Agenda of 76th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 76 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Proposed construction of Residential Building on Plot bearing C. T. S. No. 238 of Village Borivali at L. T. Road, Borivali (W) Mumbai – 400092.

Is a Violation Case: No

1.Name of Project	Proposed construction of Residential Building on Plot bearing C. T. S. No. 238 of Village Borivali at L. T. Road, Borivali (W) Mumbai – 400092.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Devkrupa Developers
4.Name of Consultant	AQURA Enviro Projects Private Limited
5.Type of project	Housing 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	C. T. S. No. 238 of Village Borivali at L. T. Road, Borivali (W) Mumbai – 400092.
9.Taluka	Borivali
10.Village	Borivali
Correspondence Name:	Kamlesh D Gangar
Room Number:	--
Floor:	Ground Floor
Building Name:	Sai - Sadan
Road/Street Name:	Roshan Nagar, Off. Chandavarkar Lane
Locality:	Borivali (West)
City:	Mumbai 400092
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Concession Report CHE/A-4262/BP/WS/AR dated 14.05.2012
	IOD/IOA/Concession/Plan Approval Number: Amended Plan CHE/A-4262/BP(WS)/AR dated 30.03.2017
	Approved Built-up Area: 11010.45
13.Note on the initiated work (If applicable)	Construction area on site: 15268.68Sq. M. Building Configuration: GROUND + P1 TO P3 + 22 FLOORS
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	5778.40 Sq. M.
16.Deductions	322.60 Sq. M.
17.Net Plot area	5455.80 Sq. M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18547.50
	b) Non FSI area (sq. m.): 21015.53
	c) Total BUA area (sq. m.): 39563.03
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 11010.45
	Approved Non FSI area (sq. m.): 14290.64
	Date of Approval: 30-03-2017
19.Total ground coverage (m2)	2901.13
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50
21.Estimated cost of the project	21500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A: Commercial	Ground + 1st To 3rd Podium	--
2	Wing A: Residential	4th.Podium / 1st Floor + 2nd To 17th .Floors	69.35
3	Wing B: Residential	Ground + 1st To 4th Podium + 2nd To 31st Floors	128.15
4	Wing C: Residential Bungalow	Ground + 1 floor	7.00

23.Number of tenants and shops	Wing A: Residential:65; Commercial: 11 Wing B: Residential: 60 Wing C: Residential (Bungalow): 1 Total: 137 Units
24.Number of expected residents / users	Wing A: Residential: 260 ; Commercial: 278 Wing B: Residential: 352 Wing C: Residential (Bungalow): 5 Total: 895
25.Tenant density per hectare	250
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	27.45 m wide Road on South
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 7.00 m
29.Existing structure (s) if any	There is an existing Bungalow on site which will be demolished in near future.
30.Details of the demolition with disposal (If applicable)	There is an existing Bungalow on site which will be demolished in near future by taking prior permission from local authority.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	58.33
	Recycled water - Flushing (CMD):	31.25
	Recycled water - Gardening (CMD):	9
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	98.58
	Fire fighting - Underground water tank(CMD):	200 cum
	Fire fighting - Overhead water tank(CMD):	20 cum
	Excess treated water	36
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	18.33+40 (RWH)
	Recycled water - Flushing (CMD):	31.25
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	98.58
	Fire fighting - Underground water tank(CMD):	200 cum
	Fire fighting - Overhead water tank(CMD):	20 cum
	Excess treated water	45
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4 to 5 meters below ground
	Size and no of RWH tank(s) and Quantity:	1 RWH Tank of 40 CUM
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	1 Lacs
	Budgetary allocation (O & M cost) :	0.05 Lacs/year
	Details of UGT tanks if any :	Fire Fighting Tank: 200 CMD Domestic Water Tank: 68 CMD Flushing Water Tank: = 37 CMD Rain Water Harvesting Tank: 40 CMD
35.Storm water drainage	**Natural water drainage pattern:**	SWD by Gravity & connected to south side
	Quantity of storm water:	0.197 m3/Sec
	Size of SWD:	Ranging from 600 mm wide storm water drain Channel, Slope 1:450
Sewage and Waste water	**Sewage generation in KLD:**	80.62 KLD
	STP technology:	Moving Bed Bio-Reactor (MBBR) Technology
	Capacity of STP (CMD):	1 STP - 90 KLD
	Location & area of the STP:	Below Ground, Area: 78 Sq. M.
	Budgetary allocation (Capital cost):	16 Lacs
	Budgetary allocation (O & M cost):	3 Lacs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris & construction waste shall be generated. Recyclable waste will be generated like empty cement bags & cans, scrap metal etc.
	Disposal of the construction waste debris:	Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers. Disposal of construction waste will be as per “Construction and Demolition waste management Rules 2016.
Waste generation in the operation Phase:	**Dry waste:**	213 KG/DAY
	Wet waste:	142 KG/DAY
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	8.4 KG/DAY
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry waste would be further segregated into recyclable and non-recyclable. Recyclable will be handed over to authorize vendors and non- recyclable will be disposed off at MCGM landfill sites.
	Wet waste:	Wet Garbage will be treated in Mechanical Composting Unit 'Organic Waste Convertor' (OWC) and the compost generated would be used as manure for gardening purpose and excess would be disposed off to landfill site of MCGM or would be sold to authorize vendors.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dry sludge would be used as manure for gardening purpose and excess would be disposed off to landfill site of MCGM or would be sold to authorize vendors
	Others if any:	NA
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	60 SQ.M.
	Area for machinery:	10 SQ. M.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10 LACS
	O & M cost:	1 Lac/year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	(At Ground Level: 414.77 Sq. m. At Podium Level: 841.28 Sq. m.) Total RG area provided: 1256.05 Sq. m , Total Open Space Area: 2877.27 Sq. m.
	No of trees to be cut :	Nil
	Number of trees to be planted :	142
	List of proposed native trees :	AZARDIRACHTA INDICA (Neem), SARACA ASOCA (Sita Ashok), BOMBAX CEIBA (Katesavar), CASSIA FISTULA (Bahawa), NYCTANTHES ARBORTRISTIS (Parijatak), Polyalthia longifolia (Asupalav), Michelia champaca (Son chafa)
	Timeline for completion of plantation :	After completion of construction work

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	AZARDIRACHTA INDICA	Neem	20	Medicinal Tree
2	SARACA ASOCA	Sita Ashok	16	Medium sized deciduous tree. Bright scarlet flowers.
3	BOMBAX CEIBA	Katesavar	20	Shady Tree
4	CASSIA FISTULA	Bahawa	20	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
5	Plumeria alba	Firangi pani	13	Medium sized deciduous tree. Bright scarlet flowers.
6	NYCTANTHES ARBORTRISTIS	Parijatak	20	Medium sized deciduous tree. Bright scarlet flowers.
7	Polyalthia longifolia	Asupalav	21	Medium sized deciduous tree. Bright scarlet flowers.
8	Michelia champaca	Son chafa	12	Medium sized evergreen tree. Bright scarlet flowers.
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Vitex Negundi (Nirgudi)	2	NA
2	Adhatoda Vasica (Adulasa)	1.75	NA
3	Ziziphus Mauritiana (Ber)	2.25	NA
4	Cassia Tora (Takala)	2	NA
5	Plumbago Zeylanica (White Plumbago)	1.5	NA
6	Stachytarpheta Sp	2.25	NA

47.Energy

Power requirement:	**Source of power supply :**	TATA Power
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	5456
	During Operation phase (Demand load):	2638
	Transformer:	2 Nos. of 1500 KVA
	DG set as Power back-up during operation phase:	1no DG set of 400 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

4.15%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Cell & Solar Hot Water Generator	18 KW to offset on PV Cells + 25% of Hot water requirement catered by Solar hot water generator.

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:**	23.30 Lacs
	O & M cost:	2.5 Lacs/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for dust suppression	0.25
2	Socio-economic Environment	Site sanitation	0.5
3	Socio-economic Environment	Disinfection at Site	0.5
4	Socio-economic Environment	Health check-up of workers	0.5

5	Environment management	Environmental Monitoring	5.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	Waste water Treatment - 1 STP of 90 KLD	16	3
2	Water Environment	Water Conservation - 1 RWH tank 40 CUM	1	0.05
3	Land Environment (Solid Waste Management)	Cost fot treatment of Biodegrabale waste of 81 Kg/Day	10	1
4	Air Environment	Tree Plantation & Landscaping	5	1
5	Energy Conservation	Solar Panels	23.30	2.5

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:	None

Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	4 Podiums AREA -12325.28 Sq. m.
	Total Parking area:	8244 Sq. m.
	Area per car:	29.00 Sq. M.
	Area per car:	29.00 Sq. M.
	Number of 2-Wheelers as approved by competent authority:	Nil
	Number of 4-Wheelers as approved by competent authority:	286 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	More than 6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park – Approx. 3.00 Km
	Category as per schedule of EIA Notification sheet	Category 'B'
	Court cases pending if any	Nil
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	Total Water Requirement (Dry season -98.58) & (Wet season – 98.58)
Waste Water Treatment	• Sewage generation in KLD: 80.62 KLD • STP technology: Moving Bed Bio-Reactor (MBBR) Technology • Capacity of STP (CMD): 1 STP - 90 KLD • Location & area of the STP: Below Ground, Area: 78 Sq. M.
Drainage pattern of the project	1) Natural water drainage pattern: SWD by Gravity & connected to south side 2) Quantity of storm water: 0.197 m3/Sec 3) Size of SWD: Ranging from 600 mm wide storm water drain Channel, Slope 1:450
Ground water parameters	4 to 5 meters below ground

Solid Waste Management	1) Waste generation in the Pre-Construction and Construction phase: • Waste generation: Debris & construction waste shall be generated. Recyclable waste will be generated like empty cement bags & cans, scrap metal etc. • Disposal of the construction waste debris: Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers. Disposal of construction waste will be as per "Construction and Demolition waste management Rules 2016. 2) Waste generation in the operation Phase: • Dry waste: 213 KG/DAY • Wet waste: 142 KG/DAY • Hazardous waste: NA • Biomedical waste (If applicable): NA • STP Sludge (Dry sludge): 8.4 KG/DAY • Others if any: NA 3) Mode of Disposal of waste: • Dry waste: Dry waste would be further segregated into recyclable and no recyclable. Recyclable will be handed over to authorize vendors and non- recyclable will be disposed off at MCGM landfill sites. • Wet waste: Wet Garbage will be treated in Mechanical Composting Unit 'Organic Waste Convertor' (OWC) and the compost generated would be used as manure for gardening purpose and excess would be disposed off to landfill site of MCGM or would be sold to authorize vendors.. • Hazardous waste: NA • Biomedical waste (If applicable): NA • STP Sludge (Dry sludge): Dry sludge would be used as manure for gardening purpose and excess would be disposed off to landfill site of MCGM or would be sold to authorize vendors • Others if any: NA 4) Area requirement: • Location(s): Ground Level • Area for the storage of waste & other material: 60 SQ.M. • Area for machinery: 10 SQ. M. • Capital cost - 10 LACS O & M cost: 1 Lac/year
Air Quality & Noise Level issues	-
Energy Management	1) Power requirement: • Source of power supply : TATA Power • During Construction Phase: (Demand Load) 100 KW • DG set as Power back-up during construction phase- NA • During Operation phase (Connected load): 5456 • During Operation phase (Demand load): 2638 • Transformer: 2 Nos. of 1500 KVA • DG set as Power back-up during operation phase: 1no DG set of 400 kVA • Fuel used: HSD • Details of high tension line passing through the plot if any: NA 2) Energy saving by non-conventional method: 4.15% 3) Detail calculations & % of saving: Solar PV Cell & Solar Hot Water Generator 18 KW to offset on PV Cells + 25% of Hot water requirement catered by solar hot water generator.
Traffic circulation system and risk assessment	Nos. of the junction to the main road & design of confluence: None
Landscape Plan	Total RG area : (At Ground Level: 414.77 Sq. m. At Podium Level: 841.28 Sq. m.) Total RG area provided: 1256.05 Sq. m , Total Open Space Area: 2877.27 Sq. m.
Disaster management system and risk assessment	Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation Min 7.00 m
Socioeconomic impact assessment	Cost per annum (Rs. In Lacs) Site sanitation 0.5, Disinfection at Site 0.5, Health check-up of workers 0.5
Environmental Management Plan	Cost per annum (Rs. In Lacs) Air Environment Water for dust suppression 0.25, Socio-economic Environment Site sanitation 0.5, Socio-economic Environment Disinfection at Site 0.5, Socio-economic Environment Health check-up of workers 0.5, Environment management Environmental Monitoring 5.00 Water Environment Waste water Treatment - 1 STP of 90 KLD-3, Water Environment Water Conservation - 1 RWH tank 40 CUM - 0.05, Land Environment (Solid Waste Management) Cost fot treatment of Biodegrabale waste of 81 Kg/Day -1, Air Environment Tree Plantation & Landscaping – 1, Energy Conservation Solar Panels - 2.5
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Proposed construction of Residential Building on Plot bearing C. T. S. No. 238 of Village Borivali at L. T. Road, Borivali (W) Mumbai – 400092. by M/s. Devkrupa Developers

PP Rohit Naik & Architect Pawar were present during the meeting along with environmental consultant AQURA Enviro Projects Private Limited

PP submitted their application for Environment Clearance for total plot area of 5778.40 Sq. Meters., Total BUA of 39563.03 Sq. Mtrs. (FSI-18547.50 Sq.m) having maximum heights of 128.15 mtrs. The proposal was previously considered in 62nd (Part – C) meeting of SEAC-II, held on 22-06-2018.

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

DECISION OF SEAC

PP has complied with the points raised in the 62nd (Part-C) meeting of SEAC-2 ***hence, Committee decided to recommend the proposal for Environmental Clearance to SEIAA.***

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 76th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 76 **Meeting Date** October 26, 2018

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

Is a Violation Case: No

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

22.Number of buildings & its configuration

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

23.Number of tenants and shops	780 Flats & 49 Shops (As per IOD: 352 Flats & 5 Shops)
24.Number of expected residents / users	3998 (As per IOD: 1770)
25.Tenant density per hectare	696
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18 mt & 60 mt
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 mt
29.Existing structure (s) if any	Open Land
30.Details of the demolition with disposal (If applicable)	Proposed is open land development.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MBMC
	Fresh water (CMD):	353 (As per IOD: 168)
	Recycled water - Flushing (CMD):	197 (As per IOD: 95)
	Recycled water - Gardening (CMD):	18 (As per IOD: 15)
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	554 KLD (As per IOD: 263 KLD)
	Fire fighting - Underground water tank(CMD):	300000
	Fire fighting - Overhead water tank(CMD):	25000
	Excess treated water	218 KLD (As per IOD: 106 KLD)
Wet season:	**Source of water**	MBMC
	Fresh water (CMD):	353 (As per IOD: 168)
	Recycled water - Flushing (CMD):	178 (As per IOD: 80)
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	5
	Total Water Requirement (CMD) :	536 KLD (As per IOD: 248 KLD)
	Fire fighting - Underground water tank(CMD):	300000
	Fire fighting - Overhead water tank(CMD):	25000
	Excess treated water	236 KLD (As per IOD: 121 KLD)
Details of Swimming pool (If any)	plant & Machinery used for treatment of Swimming pool water : Ozone system with chlorination unit along with the entire setup for water filtration and control panel. quality to be achieved for swimming pool water parameter to be monitor. Swimming pool area:151 Sq.mt (capacity: 348 m3)	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	0	353 (As per IOD: 168)	353 (As per IOD: 168)	0	35 (As per IOD: 38)	35 (As per IOD:38)	0	460 (As per IOD:230)	460 (As per IOD:230)
Gardening	0	18	18	0	18	18	0	0	0

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

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

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Diesel	Not applicable	200 KVA for DG	DG Shall be used only in emergency and power failure.
41.Source of Fuel		Not applicable		

42.Mode of Transportation of fuel to site	Not applicable

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

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	1. Alstonia scholaris	saptaparni	10	Local Plant can survive in this climate
2	2. Lagerstromea flos	reginae – Taman	10	Local Plant can survive in this climate
3	3. Azadiracta indica	Neem	8	Local Plant can survive in this climate
4	4. Caryota urens	Fish tail palm	8	Local Plant can survive in this climate
5	9. Anthocephalus kadamba	Kadamb	8	Local Plant can survive in this climate
6	8. Dalbargia sisoo	Shisam	8	Local Plant can survive in this climate
7	7. Pongamia pinnata	Karanj	8	Local Plant can survive in this climate
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	bottle brush tree	2 mt	1585.29 is part of total RG given
2	Plumeria common name Frangipani	2 mt	1585.29 is part of total RG given

47.Energy

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

48.Energy saving by non-conventional method:

Solar water heater system

8%

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

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

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Residential waste water	36	5
2	OWC	Residential solid waste	20	2
3	Landscape	Development and maintenance	15	3
4	RWH	for residential plot	15	0.24
5	Solar Hot Water System	for residential plot	60	2
6	Environment Monitoring	Air, water, noise, soil	-	3
7	Solar PV Panal System	Solar street & common area lighting	20	0.20

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for C.S.No.20/1,20/2,31/4,30/7(pt),30/8(pt),31/6 village Ghodbandar Miraroad East Thane at 20/1,20/2,31/4,30/7(pt), 30/8(pt),31/6 Village ghodbandar, Miraroad East by Abhishek Khetan.

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

PP submitted their application for prior Environmental clearance for total plot area of 16910 Sq.mt (Approved in IOD: 14134.00 Sq.m), Total BUA of 93508.26 Sq. Mtrs. and FSI area of 41125 Sq.mt (As per IOD: 15359.09 Sq.mt). It is proposed to construct Residential and Commercial buildings having maximum heights of 98.95 mt (As per IOD: 69.95 mt). The proposal was previously considered in 63rd meeting of SEAC-II dated on 29-06-2018. PP submitted compliance report which is taken on record.

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

DECISION OF SEAC

In view of above, the proposal is deferred and shall be considered further after the compliance of above observations submitted for reconsideration.

Specific Conditions by SEAC:

1) PP to submit HRC NoC.
2) PP agreed that, they will construct the DP road, Storm water drain & Sewer line and will be connect to respective lines laid by local body.
3) PP to provide saving through renewable energy up to minimum 10%
4) PP to ensure that, fire lift should be equipped with all fire fighting measures & have dedicated alternative electricity source.
5) PP to superimpose layout plan of project on ESZ map of Sanjay Gandhi National park to verify the distance of project site from ESZ. PP to submit & upload the same.
6) PP to upload the approved plan or copy of acknowledgement for plan submitted to local planning authority.

FINAL RECOMMENDATION

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

Agenda of 76th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 76 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Proposed Redevelopment Of Existing Building No. 1 To 7, Known As Saptarshi Co-op Hsg. Society Ltd on Plot Bearing CTS No. 475(pt) at Swadeshi Mill Compound, Chunabhatti – Sion, Mumbai.

Is a Violation Case: No

1.Name of Project	Proposed Redevelopment Of Existing Building No. 1 To 7, Known As Saptarshi Co-op Hsg. Society Ltd on Plot Bearing CTS No. 475(pt) at Swadeshi Mill Compound, Chunabhatti – Sion, Mumbai.
2.Type of institution	Private
3.Name of Project Proponent	M/s. S. B. Developers
4.Name of Consultant	M/s. Fine Envirotech Engineers
5.Type of project	MHADA Redevelopment Project.
6.New project/expansion in existing project/modernization/diversification in existing project	Redevelopment
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot Bearing CTS No. 475(pt) at Swadeshi Mill Compound, Chunabhatti – Sion, Mumbai.
9.Taluka	Sion
10.Village	Not applicable
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	IOD obtained
	IOD/IOA/Concession/Plan Approval Number: IOD Approval Number - Composite building-CE/4440/BPES/AL and Sale building - CE/4460/BPES/AL
	Approved Built-up Area: 41737.96
13.Note on the initiated work (If applicable)	Footings and foundation work of Composite Building no-2 is in progress.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MHADA NOC: NO.CO MB/REE/NOC/F-569/887/2014 Dated 01/08/2014.
15.Total Plot Area (sq. m.)	10305.67 sq.mt.
16.Deductions	165.06 sq.mt.
17.Net Plot area	10140.61 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 41737.96 sq.mt.
	b) Non FSI area (sq. m.): 25727.28 sq.mt.
	c) Total BUA area (sq. m.): 67465.24 sq.mt.
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)	3850.56 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	37.49 %
21.Estimated cost of the project	1614500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sale Building No 1 – Wing A, B,C,D,E & F	Stilt + 2 Podium + 3rd to 18th Residential Floors	68.05
2	Composite Building No 2 - Wing G, H, I, J, K ,L & M	Stilt + 2 Podiums + 3rd to 16th (pt) Residential Floors	54.25

23.Number of tenants and shops	Total Tenements - 591 nos. (Sale Building (No.1) - 310 nos. and Composite Building (No.2) - 281 nos.)
24.Number of expected residents / users	Total Residents - 2955 nos. [Sale Building (No.1) - 1550 nos. and Composite Building (No.2) - 1405 nos.]
25.Tenant density per hectare	616.16 Tenements 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)	24.40 m 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	Demolished with permission
30.Details of the demolition with disposal (If applicable)	Waste will be disposed off as per rules and debris management plan given by MCGM

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM / Recycled Water
	Fresh water (CMD):	285
	Recycled water - Flushing (CMD):	157
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	10 (One time)
	Total Water Requirement (CMD) :	452
	Fire fighting - Underground water tank(CMD):	500 Cum for Sale Building (No.1) and 600 Cum for Composite Buildings (No.2)
	Fire fighting - Overhead water tank(CMD):	180 Cum for Sale Building (No.1) and 210 Cum for Composite Buildings (No.2)
	Excess treated water	135

Wet season:	**Source of water**	MCGM / Recycled Water
	Fresh water (CMD):	285
	Recycled water - Flushing (CMD):	157
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	10 (One time)
	Total Water Requirement (CMD) :	442
	Fire fighting - Underground water tank(CMD):	500 Cum for Sale Building (No.1) and 600 Cum for Composite Buildings (No.2)
	Fire fighting - Overhead water tank(CMD):	180 Cum for Sale Building (No.1) and 210 Cum for Composite Buildings (No.2)
	Excess treated water	145
Details of Swimming pool (If any)	Dimension of Swimming Pool - 21.79 m x 5.10 m	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1m and 3m
	Size and no of RWH tank(s) and Quantity:	1 No. of RWH tank of capacity 40 cum for Sale building (No.1) and 1 No. of RWH tank of capacity 30 cum for Composite building (No.2)
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	Not applicale
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Rs. 20 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 2 Lakhs
	Details of UGT tanks if any :	Sale Building No. 1 • Domestic UG tank capacity - 170 cum • Flushing UG tank capacity - 90 cum • Fire UG tank capacity - 500 cum • Rain water UG tank capacity - 40 cum Composite Building No. 2 • Domestic UG tank capacity - 140 cum • Flushing UG tank capacity - 70 cum • Fire UG tank capacity - 600 cum • Rain water UG tank capacity - 30 cum
35.Storm water drainage	**Natural water drainage pattern:**	With open Channels, with grating
	Quantity of storm water:	0.211 m cum/sec
	Size of SWD:	400 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	355
	STP technology:	MBBR Technology (Moving Media Bio Reactor)
	Capacity of STP (CMD):	1 STP of capacity 195 KLD for Sale Building (No.1) and 1 STP of capacity 165 KLD for Composite Building (No.2)
	Location & area of the STP:	Location: Below Ground , Area of STP of Sale Building (No.1) - 153.64 sq.mt and area of STP of Composite Building (No.2) - 130.77 sq.mt.
	Budgetary allocation (Capital cost):	Rs. 174 Lakhs
	Budgetary allocation (O & M cost):	Rs. 10 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris material
	Disposal of the construction waste debris:	Debris material will be used for backfilling and leveling. Other will be disposed off as per rules and debris management.
Waste generation in the operation Phase:	**Dry waste:**	591 Kg/day
	Wet waste:	887 Kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	53 Kg/day
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	Wastes will be handed over to authorized agency
	Wet waste:	Wastes will be composting
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	100 sq.mt.
	Area for machinery:	6 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 22 Lakhs
	O & M cost:	Rs. 2 Lakhs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	1322.75 sq.mt. (RG on the Ground - 827.75 sq.mt and RG on the Podium - 495 sq.mt)
	No of trees to be cut :	12
	Number of trees to be planted :	117 nos.
	List of proposed native trees :	Neem, Bhava, Shirish, Kunti, Kadamb, Sita Ashoka, Apta, Fish tail palm, Mango
	Timeline for completion of plantation :	3 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Caryota urens	Fish tail palm	8	Tall evergreen tree
2	Azadirachta indica	Neem	10	Large tree, good for roadside plantation
3	Cassia fistula	Bhava	12	Medium sized deciduous tree, beautiful yellow flowers, Butterfly host plant
4	Albizia lebbeck	Shirish	14	Shady tree, yellowish green fragrant flowers
5	Murraya paniculata	Kunti	9	Small tree, Fragrant white flowers, Butterfly host plant
6	Anthocephalus cadamba	Kadamb	17	Shady tree, large deciduous tree, fast growing graceful tree, ball shaped flowers
7	Saraca asoka	Sita Ashok	34	Shady tree with red yellow flowers
8	Mangifera indica	Mango	5	Fruits bearing tree
9	Bauhinia racemosa	Apta	8	Small tree with small white flowers, butterfly host plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	M/s. Reliance Energy
	During Construction Phase: (Demand Load)	200 KW
	DG set as Power back-up during construction phase	150 KW
	During Operation phase (Connected load):	10378 KW
	During Operation phase (Demand load):	3687 KW
	Transformer:	Sale Building (No.1) - 2 Nos. x 1500 KVA and Composite Building (No.2) - 2 Nos. x 1000 KVA
	DG set as Power back-up during operation phase:	1 No. of DG set of capacity 825 KVA for Sale Building (No.1) and 1 No. of DG set of capacity 630 KVA for Composite Building (No.2)
	Fuel used:	Diesel (HSD)
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

• All lifts and pumps are proposed on VFD drives which results in 20% saving in consumption.
• All internal common area lighting are proposed to work on high energy efficient lamps (CFL) as specified in bureau of energy efficiency, which again results in saving in general consumption. The LPD is working less than 1W/m2 but still achieving the required 200LUX for ambient lighting
• 20% of the external lighting is proposed on solar. These are set of lighting which are placed at critical junction

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	External lighting on solar	S- 9636 KWH ,C-9636 KWH
2	Lifts will be with VFD drives and soft starters,	S- 169703 KWH ,C-197987KWH
3	Common Area Lighting Load	S- 50129 WH ,C-50129 KWH
4	Ventilation & Exhaust Fan Load	S- 40517 KWH ,C-39988 KWH

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. 53 Lakhs
	O & M cost:	Rs. 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	Environmental Monitoring	Air, Noise, Water, Biological	3

2	Sanitary Facility and Waste Water Management	Waste water	3
3	Solid Waste Management	Waste	2
4	Occupational Health and safety	Medical Checkup, PPE & First Aid Kit	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	Sewage Treatment Plant	1 STP of capacity 195 KLD and 1 STP of 165 KLD	174	10
2	Rain Water Harvesting System	1 RWH tank of capacity 40 Cum and 1 RWH tank of capacity 30 Cum	20	2
3	Solid Waste Management	OWC, Manpower, Colored Dustbins etc	22	2
4	Green Belt Development	RG area -1322.75 sq.mt, Tree plantation-117 nos.	18	2
5	Energy Saving Measures	...	53	2
6	Air Exhausting System	...	50	2
7	DMP	...	348.43	11.1

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	Not applicable
	Number and area of podia:	Sale Building (No. 1) - 2 nos podiums with area 3520.86 sq.mt and Composite Building (No. 2) - 2 nos podiums with area 2634.92 sq.mt
	Total Parking area:	10532.01 sq.mt
	Area per car:	Podium -34.86 sq.mt. and Ground - 28.20 sq.mt.
	Area per car:	Podium -34.86 sq.mt. and Ground - 28.20 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	156 nos.
	Number of 4-Wheelers as approved by competent authority:	545 nos.
	Public Transport:	Not applicable
	Width of all Internal roads (m):	12.20 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 a (B2) category
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	21-11-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Proposed Redevelopment Of Existing Building No. 1 To 7, Known As Saptarshi Coop Hsg. Society Ltd on Plot Bearing CTS No. 475(pt) at Swadeshi Mill Compound, Chunabhatti – Sion, Mumbai by M/s. S. B. Developers.

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

Agenda of 76th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 76 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Residential development at Badlapur

Is a Violation Case: No

1.Name of Project	Residential development at Badlapur
2.Type of institution	Private
3.Name of Project Proponent	PANVELKAR INFRASTRUCTURES 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 project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing Gut No. 46/2, 47, 49/4, 49/9, 49/11, 49/12, 49/13, 49/14, 45/2, 50, near MIDC, Village- Mankivali, Badlapur (East) - 421503.
9.Taluka	Badlapur
10.Village	Mankivali
Correspondence Name:	Mr. Rahul V. Panvelkar
Room Number:	--
Floor:	1 st floor
Building Name:	Nandi Commercial Complex, Shivdham Society
Road/Street Name:	Station road
Locality:	Ambernath (East)
City:	Ambernath
11.Area of the project	Kulgaon Badlapur Municipal Corporation (KBMC)
12.IOD/IOA/Concession/Plan Approval Number	Commencement Certificate from K.B.M.C. KBNP/NRV/B.P./ 9605/2017-18
	IOD/IOA/Concession/Plan Approval Number: Commencement Certificate from K.B.M.C. KBNP/NRV/B.P./ 9605/2017-18
	Approved Built-up Area: 39605.73
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	34570.30 Sq. mt.
16.Deductions	6721.10 Sq. mt.
17.Net Plot area	27849.20 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 33605.73
	b) Non FSI area (sq. m.): 11012.54
	c) Total BUA area (sq. m.): 44618.27
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)	2284.38
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	8.20 %
21.Estimated cost of the project	1365188027

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1	Stilt + 15 Upper floors	45.60 mt. (up to terrace level)
2	Building 2	Stilt + 15 Upper floors	45.60 mt. (up to terrace level)
3	Building 3	Stilt + 16 Upper floors	48.45 mt. (up to terrace level)
4	Building 4	Stilt + 16 Upper floors	48.45 mt. (up to terrace level)

23.Number of tenants and shops	Total Flats: 901 Nos.
24.Number of expected residents / users	3808 Nos.
25.Tenant density per hectare	324/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)	12 mt. wide D.P. Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 7.5 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**	K.B.M.C.
	Fresh water (CMD):	342
	Recycled water - Flushing (CMD):	173
	Recycled water - Gardening (CMD):	21
	Swimming pool make up (Cum):	1
	Total Water Requirement (CMD) :	537
	Fire fighting - Underground water tank(CMD):	700
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	208
Wet season:	**Source of water**	K.B.M.C. /RWH
	Fresh water (CMD):	342 (From KBMC : 321 + From RWH tank: 21)
	Recycled water - Flushing (CMD):	173
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	1
	Total Water Requirement (CMD) :	516
	Fire fighting - Underground water tank(CMD):	700
	Fire fighting - Overhead water tank(CMD):	100
	Excess treated water	229
Details of Swimming pool (If any)	Swimming pool size: 4.5 mt. X 9 mt. X 1.2 mt.	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.0 m to 3.0 m below ground level
	Size and no of RWH tank(s) and Quantity:	4 nos. of RWH tanks of capacity 25 KL each
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	--
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	Rs. 22.00 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.72 Lacs/annum
	Details of UGT tanks if any :	Domestic UG Tank : 302 KL Flushing UG Tank: 152 KL
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:	0.84 m3/sec
	Size of SWD:	1.12 m3/sec
Sewage and Waste water	**Sewage generation in KLD:**	447
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	3 nos. of STPs of capacity 110 KL, 220 KL and 160 KL
	Location & area of the STP:	Underground
	Budgetary allocation (Capital cost):	Rs. 163.10 Lacs
	Budgetary allocation (O & M cost):	Rs. 37.31 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated earth shall be partly reused on site and partly disposed to authorized landfill site
	Disposal of the construction waste debris:	Construction waste generated during construction activity shall be partly recycled and partly disposed to authorized landfill site
Waste generation in the operation Phase:	**Dry waste:**	1028 kg/day
	Wet waste:	685 kg/day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	67 kg/day
	Others if any:	Nil

Mode of Disposal of waste:	**Dry waste:**	? Non-recyclable: To K.B.M.C. ? Recyclable: To recyclers
	Wet waste:	Organic Waste Converter (OWC)
	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:	44 Sq. mt.
	Area for machinery:	24 Sq. mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 18.00 Lacs
	O & M cost:	Rs. 3.61 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 :**	2937.11 Sq. mt.
	No of trees to be cut :	--
	Number of trees to be planted :	404 Nos.
	List of proposed native trees :	As given below
	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 mentalis	Indian Xmas	34	The tree is harvested from the wild for local use as a medicine and source of dyes and tannins. It can be used in reforestation projects and is a good shade tree
2	Millingtonia hortensis	Buch	18	It grows upto18 to 25 m high and leaves upto 40 years. It grows well in various soil types. White pleasant fragrant flowers.
3	Khaya sengalensis	Khaya	19	Tree grows upto 15 to 30 m high. It has sweet scented white flower.
4	Terminalia catappa	Badam	20	Terminalia catappa is a large tropical tree in the leadwood tree family, Combretaceae, that grows mainly in the tropical regions of Asia
5	Cordia dichotoma	Bhokar	31	Cordia dichotoma is a small to moderate-sized deciduous tree with a short bole and spreading crown
6	Caryota mitis/ urens	Surmad	34	Caryota mitis has clustered stems up to 10 m (33 feet) tall and 15 cm (6 inches) in diameter. Leaves can be up to 3 m (10 feet) long. Flowers are purple, fruits dark purple or red
7	Roystonia regia	Royal Palm	26	Ornamental tree, timber is used for construction, It has medicinal properties, Fruits are eaten by birds and bats
8	Areca catechu	Supari	16	It is a medium-sized and palm tree, The seed contains alkaloids such as arecaidine and arecoline
9	Lagerstroemia flos-regineae	Tamhan	30	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, it has medicinal properties, wood is commercially used. Helps to control soil erosion

10	Mimusops Elengi	Bakul	15	Shady medium-sized evergreen tree, small white fragrant flowers, Its timber is valuable, the fruit is edible, and it is used in traditional medicine.
11	Manilkara zapota	Chikku	14	Slow-growing, long-lived tree, upright and elegant, distinctly pyramidal when young, growing up to 60 ft (18 m) high
12	Eugenia Jambolana	Jambhul	22	Eugenia jambolana beneficial for cholesterol reduction, blood sugar management, stomach aid, liver protection, anti-cancer action, good for piles
13	Michelia champaka	Sonchafa	24	Medium sized evergreen tree, strongly fragrant yellow flowers used in perfume industry, Butterfly host plant
14	Mangifera indica	Mango	18	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
15	Erythrina Indica	Indian coral tree	4	this is a medium-sized, spiny, deciduous tree normally growing to 6-9 m (occasionally 28 m) tall and 60 cm dbh.
16	Butea monosperma	Palas	5	Bright orange-red flowers, it is used for timber, resin, fodder, medicine, and dye, he wood is dirty white and soft and, being durable under water, is used for well-curbs and water scoops
17	Erythrina variegate	Pangara	2	It is a drought resistant tree. Flowers are pollinated by birds.
18	Ancardium occidentale	Cashew	16	The tree is large and evergreen. Cashew nuts are commonly used in Indian cuisine, whole for garnishing sweets or curries, or ground into a paste that forms a base of sauces for curries.
19	Ficus benjamina	Ficus	25	In tropical latitudes, the weeping fig makes a very large and stately tree for parks and other urban situations, such as wide roads. It is often cultivated for this purpose.
20	Saraca indica	Sita Ashok	4	Shady evergreen tree with red-yellow flowers.
21	Plumeria rubra	Gulabi Chafa	5	Plumeria rubra is a deciduous plant species belonging to the genus Plumeria.
22	Plumeria alba	Pandhara Chafa	10	This 2-8m evergreen shrub has narrow elongated leaves, large and strongly perfumed white flowers with a yellow center.

23	Cassia fistula	Bahava	6	Medium sized deciduous tree. Beautiful yellow flowers, it is relatively drought tolerant and slightly salt tolerant. It has medicinal properties, Butterfly host plant.
24	Bauhinia purpurea	Butterfly tree	6	Plant is attractive to bees, butterflies and/or birds.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company 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):	1998 KW
	During Operation phase (Demand load):	867 KW
	Transformer:	2 nos. of 630 kVA and 750 kVA
	DG set as Power back-up during operation phase:	2 nos. of D.G. Sets of capacity 125 kVA and 150 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

? Use of LED lights for ground floor area
? Use of VFD for lifts & star rated motors
? External Lights on Solar
? Staircase & Lobby Lighting Load on Solar

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy Saving	10 %

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. 23.50 Lacs (Solar System)
	O & M cost:	Rs. 0.24 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 and Noise quality - By outside MoEF & CC Approved Laboratory	1.10
3	Air Environment	Air and Noise quality - Sensors for Air quality & Noise level monitoring	12.50
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	--	6.50

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	16.15	1.20
5	WATER ENVIRONMENT	Cost for Sewage Treatment Plants	109.10	34.26
6	WATER ENVIRONMENT	Cost for water & waste water Monitoring - On site sensors	54.00	3.00
7	WATER ENVIRONMENT	Cost for water & waste water Monitoring - By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.08

8	WATER ENVIRONMENT	Cost for Water Conservation (Rain Water Harvesting System): Cost for RWH tanks	10.00	0.50
9	WATER ENVIRONMENT	Cost for treatment unit for Rain Water collected in tanks	12.00	0.04
10	WATER ENVIRONMENT	Cost for Rainwater Monitoring	No set up cost is involved	0.09
11	LAND ENVIRONMENT	Cost for Treatment of biodegradable garbage in OWC	18.00	3.45
12	LAND ENVIRONMENT	Cost for monitoring of OWC manure	No set up cost is involved	0.16
13	ENERGY CONSERVATION	Solar system	23.50	0.24
14	DISASTER MANAGEMENT	Cost towards Disaster Management	156.00	5.00

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:	2 nos. of entry and exit

Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	--
	Area per car:	As per NBC
	Area per car:	As per NBC
	Number of 2-Wheelers as approved by competent authority:	1228 Nos.
	Number of 4-Wheelers as approved by competent authority:	19 Nos.
	Public Transport:	Nil
	Width of all Internal roads (m):	Minimum 6 mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category 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	17-09-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	Total Water Requirement (Dry season – 537) & (Wet season –516)
Waste Water Treatment	• Sewage generation in KLD: 447 • STP technology: MBBR (Moving Bed Bio Reactor) • Capacity of STP (CMD): 3 nos. of STPs of capacity 110 KL, 220 KL and 160 KL • Location & area of the STP: Underground
Drainage pattern of the project	1) Natural water drainage pattern: The storm water collected through the storm water drains of adequate capacity will be discharged into the external SWD 2) Quantity of storm water: 0.84 m3/sec 3) Size of SWD: Width: 1.12 m3/sec
Ground water parameters	2.0 m to 3.0 m below ground level

Solid Waste Management	1) Waste generation in the Pre-Construction and Construction phase: Excavated earth shall be partly reused on site and partly disposed to authorized landfill site 2) Disposal of the construction waste debris: Construction waste generated during construction activity shall be partly recycled and partly disposed to authorized landfill site 3) Waste generation in the operation Phase: • Dry waste: 1028 kg/day • Wet waste: 685 kg/day • Hazardous waste: Not Applicable • Biomedical waste (If applicable): Not Applicable • STP Sludge (Dry sludge): 67 kg/day • Others if any: NIL 4) Mode of Disposal of waste: • Dry waste: Non-recyclable: To K.B.M.C. Recyclable: To recyclers • Wet waste: Organic Waste Converter (OWC). • Hazardous waste: Not Applicable • Biomedical waste (If applicable): Not Applicable • STP Sludge (Dry sludge): Use as manure • Others if any: Not Applicable 5) Area requirement: • Location(s): Ground • Area for the storage of waste & other material: 44 Sq. mt. • Area for machinery: 24 Sq. mt. • Capital cost - Rs. 18.00 Lacs O & M cost Rs. 3.61 Lacs /annum
Air Quality & Noise Level issues	-
Energy Management	1) Power requirement: • Source of power supply : Maharashtra State Electricity Distribution Company 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): 1998 KW • During Operation phase (Demand load): 867 KW • Transformer: - 2 nos. of 630 kVA and 750 kVA • DG set as Power back-up during operation phase: 2 nos. of D.G. Sets of capacity 125 kVA and 150 kVA • Fuel used: Diesel • Details of high tension line passing through the plot if any: NA 2) Energy saving by non-conventional method: Use of LED lights for ground floor area, Use of VFD for lifts & star rated motors, External Lights on Solar, Staircase & Lobby Lighting Load on Solar 3) Detail calculations & % of saving: Overall Energy Saving 10 %
Traffic circulation system and risk assessment	Nos. of the junction to the main road & design of confluence: 2 nos. of entry and exit
Landscape Plan	Total RG area : 2937.11 Sq. mt
Disaster management system and risk assessment	Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation Minimum 7.5 mt
Socioeconomic impact assessment	-
Environmental Management Plan	Total Cost per annum (Rs. In Lacs) Air Environment Dust suppression- 7.20, Air Environment Air and Noise quality - By outside MoEF & CC Approved Laboratory- 1.10, Air Environment Air and Noise quality - Sensors for Air quality & Noise level monitoring -12.50, Water Environment Drinking water analysis- 0.15, Land Environment Site Sanitation- 5.00, Health & Hygiene Disinfection- Pest Control- 6.00, Health & Hygiene Health-check-up of workers- 13.50, Cost towards Disaster Management- 6.50
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Residential development at Badlapur at Plot bearing Gut No. 46/2, 47, 49/4, 49/9, 49/11, 49/12, 49/13, 49/14, 45/2, 50, near MIDC, Village- Mankivali, Badlapur (East) – 421503 by PANVELKAR INFRASTRUCTURES PVT. LTD.

Representative of PP was present during the meeting along with environmental consultant Ultra-Tech

PP submitted their application for prior Environmental clearance for total plot area of 34570.30 Sq. Meters., Total BUA of 44618.27 Sq. Mtrs. and FSI area of 33605.73 Sq. Mtrs. It is proposed to construct Residential and Commercial buildings having maximum heights of 48.45 meters. The proposal was previously considered in 62nd (Part – C) meeting of SEAC-II dated on 22-06-2018. PP submitted compliance report which is taken on record.

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

DECISION OF SEAC

PP has complied with the points raised in the 62nd (Part- C) meeting of SEAC-2 ***hence, Committee decided to recommend the proposal for Environmental Clearance to SEIAA subject to condition that there will be no parking on drive way, as committed by PP.***

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Subject: Environment Clearance for For Proposed Residential cum Commercial Construction Project

Is a Violation Case: No

1.Name of Project	Mohan Alcoves
2.Type of institution	Private
3.Name of Project Proponent	Mr. Manohar Manchandya
4.Name of Consultant	NA
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 31,32/1/1, 32/1/2, 32/2 &221
9.Taluka	Ambarnath
10.Village	Valivali
Correspondence Name:	Mr. Manohar Manchandya
Room Number:	na
Floor:	NA
Building Name:	Mohan Plaza, G1
Road/Street Name:	Next to Mohan Pride, Wayle Nagar
Locality:	Khadakpada
City:	Kalyan (W) - 421 301, India.
11.Area of the project	Kulgaon-Badlpur Municipal council
12.IOD/IOA/Concession/Plan Approval Number	In Process
	IOD/IOA/Concession/Plan Approval Number: In Process
	Approved Built-up Area: 55548.67
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	21190.00 Sq. M
16.Deductions	4423.76 Sq. M
17.Net Plot area	16766.23 Sq. M
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 35659.34
	b) Non FSI area (sq. m.): 19889.33
	c) Total BUA area (sq. m.): 55548.67
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)	2011.94
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	12
21.Estimated cost of the project	1500000000

22.Number of buildings & its configuration

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

1	A1	G + 14	42.30
2	A2	G + 14	42.30
3	B3	G + 15	46.15
4	B4	G + 15	46.15
5	C5	G + 15	46.15
6	C6	G + 15	46.15
7	D7	G + 15	46.15
8	E8	G + 4	14.70
9	F9	G+12	36.60

23.Number of tenants and shops	Number of tenants - 814, Number of shops - 16
24.Number of expected residents / users	Residential Population - 4070, Commercial Population - 62, Total (Residential+Commercial) = 4132
25.Tenant density per hectare	250 Tenement /ha as per DCR
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12.0 mt. wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable as there is no existing structure & demolition activity for the same.

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**	KBMC
	Fresh water (CMD):	371
	Recycled water - Flushing (CMD):	185
	Recycled water - Gardening (CMD):	11.17
	Swimming pool make up (Cum):	125
	Total Water Requirement (CMD) :	565.62
	Fire fighting - Underground water tank(CMD):	650
	Fire fighting - Overhead water tank(CMD):	225
	Excess treated water	308.39
Wet season:	**Source of water**	KBMC
	Fresh water (CMD):	371
	Recycled water - Flushing (CMD):	185
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	125
	Total Water Requirement (CMD) :	554.45
	Fire fighting - Underground water tank(CMD):	650
	Fire fighting - Overhead water tank(CMD):	225
	Excess treated water	319.57
Details of Swimming pool (If any)	Pool dimension: 3 x 2.70 x 0.75 (Paddle pool), 4.0 x 5.0 (Kids pool), 9.0 x 6.0 (Main pool) Total volume of pool (water quantity) =125000.00 Liters approx Balancing Tank Capacity : 5% of total qtyi.e 6250 ltsapprox Turn Over Period : 3-4 Hrs	

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	371	371	Not Applicable	36.63	36.63	Not Applicable	499.01	499.01
Gardening	Not Applicable	11.17	11.17	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Fresh water requirement	Not applicable	565.62	Not applicable	Not applicable	66.62	66.62	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	10m below
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	Rain water harvesting plan is attached annexure with Form1, 1A
	Quantity of recharge pits:	12 no. of recharge pits are proposed
	Size of recharge pits :	3.0 Mt. x 3.0 Mt. x 3.0 Mt. Depth
	Budgetary allocation (Capital cost) :	INR 42 lacs
	Budgetary allocation (O & M cost) :	INR 0.48 lacs per annum
	Details of UGT tanks if any :	Capacity of UGT tank is as below Building Name UGT capacity (lit) Building A1 - 75000 Building A2 - 75000 Building B3 - 75000 Building B4 - 75000 Building C5 - 75000 Building C6 - 75000 Building D7 - 100000 Building F9 - 100000
35.Storm water drainage	**Natural water drainage pattern:**	As per contour (Refer annexure contour plan)
	Quantity of storm water:	22 cu.m/m
	Size of SWD:	600 MM dia Pipe.
Sewage and Waste water	**Sewage generation in KLD:**	500
	STP technology:	MBBR
	Capacity of STP (CMD):	520 m3/Day
	Location & area of the STP:	Location of proposed STP was shown in services location plan. Please refer services location plan attached as a annexure with Form 1, 1A
	Budgetary allocation (Capital cost):	77 lacs
	Budgetary allocation (O & M cost):	16 lacs

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	In construction phase, excavated earth and waste construction material will be used for road leveling and top soil will be used for proposed landscaping. In operation phase, total waste generation from 814 tenements & 16 shops will be 1887.70 Kg/Day. Biodegradable waste will be treated in mechanized waste converter machine & non biodegradable waste will be send to authorized vendor
	Disposal of the construction waste debris:	To authorized dealer
Waste generation in the operation Phase:	**Dry waste:**	721.0
	Wet waste:	1166.7
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	120 kg/day
	Others if any:	No
Mode of Disposal of waste:	**Dry waste:**	Through authorized vendor
	Wet waste:	Organic waste convertor
	Hazardous waste:	not applicable
	Biomedical waste (If applicable):	not applicable
	STP Sludge (Dry sludge):	used as manure for landscaping in own project premises
	Others if any:	No
Area requirement:	**Location(s):**	location of mechanized composting unit is shown in services location plan. Services location Plan is attached with form1, 1A
	Area for the storage of waste & other material:	7 Sqm
	Area for machinery:	49.7 Sqm (Machinery+segregation table+space for finished product+washing area+shredder)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	18
	O & M cost:	6.5

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 :**	1862.91 Sqm
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	290
	List of proposed native trees :	List of trees is attached as annexure with Form1, 1A
	Timeline for completion of plantation :	5 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Cassia fistula	Bahwa	34	Small, deciduous tree. Yellow colour flowers
2	Putranjiva Roxburgii	Putranjiva	16	Small Size, Evergreen tree, beautiful greenish yellow flowers
3	Michelia Champaca	Sonchapha	20	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
4	Azardirachta Indica	Neem	52	Large tree, good for roadside plantation
5	Albizzia Lebbeck	Shirish	32	Medicinal , used to produce timber
6	Mimosops Elengi	Bakul	07	Shady tree, small white fragrant flowers
7	Ailanthus Excelsa	Maharukh	29	Wood is very soft and used for building Catamarans and match sticks and boxes. Leaves and bark used in medicinal preparations.
8	Pongamia Pinnata	Karanj	29	Shady tree.
9	Saraca Asoca	Sita Ashok	28	Small size evergreen tree, flower reddish orange

10	Caryota Urens	Fishtail palm	30	Large palm. Male flowers are red in colour, female flower green
11	Areca catechu	Supari	13	Used to make medicines
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	45 KW
	DG set as Power back-up during construction phase	Approx.62.5 KVA x 1 No. as backup
	During Operation phase (Connected load):	3212 KW, 4015 KVA
	During Operation phase (Demand load):	3212 KW, 4015 KVA
	Transformer:	630 KVA X 4 Nos
	DG set as Power back-up during operation phase:	225 KVA X 1 No
	Fuel used:	Diesel at 75% loading- 39 liters. /hr.
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Using Solar system in Common Area Lighting (34 %). & Street, landscape area lights with LED lamps.
Using solar water heater system 10 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Using Solar system in Common Area Lighting	34%
2	Solar water heating system	10%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage Generation	Not applicable	STP
Wet Garbage	Not applicable	Mechanized composting unit

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	1.93 Cr
	O & M cost:	14.7 lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion Control	Dust suppression	25
2	Site safety	Nets, barricading	10
3	Site sanitation	Public toilets	5
4	Disinfection & health check up	For labours	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	Sewage Treatment Plant	To treat waste water - STP of 520 m3/day proposed	77	1.33
2	Rain Water Harvesting	12 no. of RWH pits will be proposed during operation phase	42	0.48
3	Storm Water Networking (including external line connection)	Internal & external storm water line connection	42	1
4	Solid Waste Management	For mechanized composting unit	18	6.5
5	Green Belt Development	290 no. of trees will be planted	94	9
6	Solar Water Heater	To save electrical energy proposing the solar water heaters	84	7
7	Environmental Monitoring	To maintain the provided environmental services	0	1.60
8	Safety & Awareness Training	For labours	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:	3
Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	4120 Sq.m
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	1040
	Number of 4-Wheelers as approved by competent authority:	105
	Public Transport:	NA
	Width of all Internal roads (m):	6 mt
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category B- 8 (a)
	Court cases pending if any	Nil
	Other Relevant Informations	Nil
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-

Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for For Proposed Residential cum Commercial Construction Project at S. No. 31,32/1/1, 32/1/2, 32/2 &221, Valivali by Mr. Manohar Manchandya

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

SEAC Meeting number: 76 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Expansion of Viraj Heights, Thane

Is a Violation Case: No

1.Name of Project	Viraj Heights
2.Type of institution	Private
3.Name of Project Proponent	V-Raj Buildcon
4.Name of Consultant	Enviro Analysts and Engineers Private Limited
5.Type of project	SRA scheme
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 bearing CTS no. 1025 (PT)
9.Taluka	Thane
10.Village	Kopri
Correspondence Name:	R. Srinivas
Room Number:	101
Floor:	1st Floor
Building Name:	Meet Galaxy
Road/Street Name:	LBS Road
Locality:	B/H Tip-Top Plaza, Teen Haat Naka
City:	Thane
11.Area of the project	Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD from TMC
	IOD/IOA/Concession/Plan Approval Number: TMC/TDD/0972/13
	Approved Built-up Area: 13159.0
13.Note on the initiated work (If applicable)	No work is has been started yet.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Ref/T.M.C./SVV/6189 dated 20.03.2013
15.Total Plot Area (sq. m.)	5850.05 sq. m.
16.Deductions	601.9 sq. m.
17.Net Plot area	5248.15 sq. m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15,758.94
	b) Non FSI area (sq. m.): 17,856.67
	c) Total BUA area (sq. m.): 33615.61
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2148.15
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	41
21.Estimated cost of the project	1000000000

22.Number of buildings & its configuration

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

1	Rehab Building	G + 23 floors	71.6
2	Sale building	B + LG + UG + 17 floors	62.55
3	Parking Building	B + LG + UG + 10 floors	40.00

23.Number of tenants and shops	Flats: 429 nos. Shops: 21 nos.
24.Number of expected residents / users	2336 nos.
25.Tenant density per hectare	865.3
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Access through 10 m wide Harishchandra Raut Road to Kopri Fire Station (500 m towards east)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m
29.Existing structure (s) if any	Existing 355 slum structures
30.Details of the demolition with disposal (If applicable)	Demolition not yet started

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	TMC water and recycled water
	Fresh water (CMD):	197
	Recycled water - Flushing (CMD):	104
	Recycled water - Gardening (CMD):	2
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	303
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	165
Wet season:	**Source of water**	TMC water, rain water and recycled water
	Fresh water (CMD):	197
	Recycled water - Flushing (CMD):	104
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	301
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	60
	Excess treated water	167
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3 m below ground level
	Size and no of RWH tank(s) and Quantity:	2 nos.
	Location of the RWH tank(s):	Ground Floor
	Quantity of recharge pits:	1 no.
	Size of recharge pits :	2 m x 2 m
	Budgetary allocation (Capital cost) :	1350000
	Budgetary allocation (O & M cost) :	15000
	Details of UGT tanks if any :	Domestic water tank: Rehab building: 144 m3; Sale building: 53 m3 Flushing water tank: Rehab building: 76 m3; Sale building: 28 m3 Fire water tank: Rehab building: 150 m3; Sale building: 150 m3 Domestic RWH water tank: Rehab building: 43 m3; Sale building: 25 m3
35.Storm water drainage	**Natural water drainage pattern:**	From west to east.
	Quantity of storm water:	0.2 m3/sec maximum (during peak rainfall)
	Size of SWD:	Width: 600 mm; Depth: 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	271
	STP technology:	MBBR
	Capacity of STP (CMD):	2 nos. Rehab building: 200 KLD; Sale building: 80 KLD
	Location & area of the STP:	Location: ground floor; Rehab building: 27 sq.m. Sale building: 17.5 sq.m.
	Budgetary allocation (Capital cost):	8900000
	Budgetary allocation (O & M cost):	1100000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Cement Bags: 10085 nos. Paint container & other Barrels: 1009 nos. Scrap Metal: 3 MT
	Disposal of the construction waste debris:	Cement Bags: Sold to recycler; Paint container & other Barrels: To be sold for reuse; Scrap Metal: To be sold for reuse.
Waste generation in the operation Phase:	**Dry waste:**	429 kg/day
	Wet waste:	644 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	14 KLD
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handover to authorized recyclers
	Wet waste:	Processing in organic waste converter to obtain manure which can be used for gardening.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Processing in organic waste converter to obtain manure which can be used for gardening.
	Others if any:	NA
Area requirement:	**Location(s):**	Ground floor
	Area for the storage of waste & other material:	1.5 sq.m. per day
	Area for machinery:	Rehab building: 11.5 sq.m. ; Sale building: 11.5 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	2900000
	O & M cost:	350000

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 :	773.2 sq.m. (435 sq.m. on ground + 338.2 sq.m. elevated)
	No of trees to be cut :	NA
	Number of trees to be planted :	217
	List of proposed native trees :	Shirish, Neem, Kadamb, Sita Ashok, Adulsa, Bahava etc.
	Timeline for completion of plantation :	1 year

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia Iebbeck	Shirish	20	Use of Shirish has been extensively recommended to neutralize toxins in the body. It has also been used in the treatment of respiratory afflictions like bronchial asthma.
2	Azadiracta Indiaca	Neem	20	Neem is considered as the useful tree in rehabilitating the waste land areas. . Neem bark acts as an analgesic and can cure high fever as of malaria. Even the skin diseases can be cured from the Neem leaves.
3	Anthocephallus Cadamba	Kadamba	30	Frequent use of Kadamba is highly beneficial for the patients suffering from diabetes mellitus.Kadamba produces a significant antitumor activity.
4	Saraca Asoka	Sita Ashok	55	The barks, seeds and flowers of the tree are helpful in preparing capsules and tonics to solve various gynecological problems of women.Capsules and ointments prepared from Ashok tree can be used as a natural supplement of great benefit to treat irritations and burning sensation in the skin and complexion.
5	Cassia Fistula	Bahava	30	It is used medicinally for treating constipation, common cold, chlorosis and urinary disorders.Its leaves are effective against herpes simplex and the bark of Cassia is one of the ingredients in ayurvedic and other traditional medicine antidiabetic formulations.
6	Adhatoda Vasica	Adulsa	15	Adhatoda vasica is considered useful in treating bronchitis, tuberculosis and other lung and bronchiole disorders.

7	Vitex Negundo	Nirgudi	12	It supresses kapha, vata, alleviates vata and relieves pain. It is a very famous medicinal herb for vata related problems. It enhances intellect. It is anthelmintic and kills worms and micro organisms.
8	Ziziphus Mauritiana	Ber	10	Medicinally, the fruits of wild variety are astringent, pain relieving, cooling, stomachic and styptic (check bleeding by contracting the tissues or blood vessels).
9	Passiflora Edulis	Krushna Kamal	10	Passionflower is used traditionally as a calming herb for anxiety, insomnia, seizures, and hysteria.
10	Cassia Tora	Takala	15	The plant is said to be purgative, antihelmintic and antibacterial. The plant is commonly used as a green manure crop. Seeds are broadcasted in the field at the beginning of monsoon season and a month later incorporated in to the soil.
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 Board
	During Construction Phase: (Demand Load)	50 kW
	DG set as Power back-up during construction phase	NA
	During Operation phase (Connected load):	4265 kW
	During Operation phase (Demand load):	1782 kW
	Transformer:	2 nos., Rehab building: 1000KVA; Sale building: 1000 KVA (for normal mode)
	DG set as Power back-up during operation phase:	2 nos., Rehab building: 62.5 KVA; Sale building: 140 KVA (for normal mode)
	Fuel used:	High speed diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Lifts with VFD;
LED lamps for common area, parking and flats internal lighting;
Water pumps with VFD and APMC panels;
STP with VFD etc.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Lifts with VFD	30
2	Water pumps with VFD and APMC panels	40
3	STP with VFD	20
4	Common area lighting with LED	30
5	Internal flats lighting with LED	72
6	External lighting	89
7	Solar water heaters	89

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:**	6250000
	O & M cost:	80000

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 sprinkling	Air Pollution Control	1.25
2	Safety measures and first aid facilities	Occupational Health and safety	0.75
3	Toilets and sanitary facilities	Wastewater Management	1.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	Wastewater Management	89.0	11
2	OWC	Solid waste management	29.0	0.5
3	Rainwater Harvesting	Water conservation	13.5	0.15
4	Solar water heater and PV panels	Renewable energy	18.5	0.75
5	Landscaping	Green area development	4.0	0.2
6	Energy	Energy conservation	44.0	0.5

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:	Junction: 2 nos.
Parking details:	**Number and area of basement:**	1 nos. (combined basement of sale building and parking building); Area: 1598 sq. m.
	Number and area of podia:	NA
	Total Parking area:	1993.75
	Area per car:	13.75
	Area per car:	13.75
	Number of 2-Wheelers as approved by competent authority:	429
	Number of 4-Wheelers as approved by competent authority:	145
	Public Transport:	Mumbai Suburban Railway, TMT Buses, Auto, Taxi
	Width of all Internal roads (m):	6
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park (4 km, West)
	Category as per schedule of EIA Notification sheet	8(a); Category: B
	Court cases pending if any	NA

	Other Relevant Informations	This is a proposal for Environmental Clearance for expansion of slum rehabilitation project at Kopri village, Thane (E). The project received environmental clearance under letter vide no. SEAC-2013/CR-45/TC-1 dated 28th April, 2014 for construction area of 24,571.68 sq. m. with 'Balaji Developers' being project proponent. However, no construction initiated on site. Copy of EC issued in favour of Balaji Developers In view of amendment/ expansion in the construction area from 24,571.68 sq. to 33,615.61 sq. m.it is propoed to go for the revised EC. Now it is proposed by M/s. V-Raj Buildcon' to undertake the said work as a project proponent. The Letter of Intent for this project was also received in the name of 'Balaji Developers' and we have applied for a revised Letter of Intent in the name of 'V-Raj Buildcon' which is in process. Therefore we request you to issue us revised Environmental Clearance of this project in the name of 'V-Raj Buildcon'.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	23-01-2018

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	Total Water Requirement (Dry season – 303) & (Wet season – 301)
Waste Water Treatment	• Sewage generation in KLD: 271 • STP technology: MBBR • Capacity of STP (CMD): 2 nos. Rehab building: 200 KLD; Sale building: 80 KLD • Location & area of the STP: Location: ground floor; Rehab building: 27 sq.m. Sale building: 17.5 sq.m
Drainage pattern of the project	1) Natural water drainage pattern: From west to east. 2) Quantity of storm water: 0.2 m3/sec maximum (during peak rainfall) 3) Size of SWD: Width: 600 mm; Depth: 600 mm
Ground water parameters	3 m below ground level
Solid Waste Management	1) Waste generation in the Pre-Construction and Construction phase: Cement Bags: 10085 nos. Paint container & other Barrels: 1009 nos. Scrap Metal: 3 MT 2) Disposal of the construction waste debris: Cement Bags: Sold to recycler; Paint container & other Barrels: To be sold for reuse; Scrap Metal: To be sold for reuse. 3) Waste generation in the operation Phase: • Dry waste: 429 kg/day • Wet waste: 644 kg/day • Hazardous waste: Not Applicable • Biomedical waste (If applicable): Not Applicable • STP Sludge (Dry sludge): 14 KLD • Others if any: NIL 4) Mode of Disposal of waste: • Dry waste: Non-recyclable : Handover to authorized recyclers • Wet waste: Processing in organic waste converter to obtain manure which can be used for gardening. • Hazardous waste: Not Applicable • Biomedical waste (If applicable): Not Applicable • STP Sludge (Dry sludge): Processing in organic waste converter to obtain manure which can be used for gardening. • Others if any: Not Applicable 5) Area requirement: • Location(s): Ground floor • Area for the storage of waste & other material: 1.5 sq.m. per day • Area for machinery: Rehab building: 11.5 sq.m. ; Sale building: 11.5 sq.m. • Capital cost - 2900000 O & M cost 350000
Air Quality & Noise Level issues	-

Energy Management	1) Power requirement: • Source of power supply : Maharashtra State Electricity Board • During Construction Phase: (Demand Load) 50 kW • DG set as Power back-up during construction phase- NA • During Operation phase (Connected load): 4265 kW • During Operation phase (Demand load): 1782 kW • Transformer: - 2 nos., Rehab building: 1000KVA; Sale building: 1000 KVA (for normal mode) • DG set as Power back-up during operation phase: 2 nos., Rehab building: 62.5 KVA; Sale building: 140 KVA (for normal mode) • Fuel used: High speed diesel • Details of high tension line passing through the plot if any: NA 2) Energy saving by non-conventional method: Lifts with VFD; LED lamps for common area, parking and flats internal lighting; Water pumps with VFD and APMC panels; STP with VFD etc. 3) Detail calculations & % of saving: Lifts with VFD 30, Water pumps with VFD and APMC panels 40, STP with VFD 20, Common area lighting with LED 30, Internal flats lighting with LED 72, External lighting 89, Solar water heaters 89
Traffic circulation system and risk assessment	Nos. of the junction to the main road & design of confluence: Junction: 2 nos.
Landscape Plan	Total RG area : 773.2 sq.m. (435 sq.m. on ground + 338.2 sq.m. elevated)
Disaster management system and risk assessment	Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation 6 m
Socioeconomic impact assessment	-
Environmental Management Plan	Total Cost per annum (Rs. In Lacs) Water sprinkling Air Pollution Control 1.25, Safety measures and first aid facilities Occupational Health and safety 0.75, Toilets and sanitary facilities Wastewater Management 1.5
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Expansion of Viraj Heights, Thane at Plot bearing CTS no. 1025 (PT), Kopri by V-Raj Buildcon

Representative of PP was present during the meeting along with environmental consultant Enviro Analysts and Engineers Private Limited. The proposal was previously considered in 61st (Part B) meeting of SEAC-II dated on 01-06-2018. PP submitted compliance report which is taken on record.

PP informed that, the project has received earlier environmental clearance vide dated 28th April 2014 with 'M/s. Balaji Developers' as project proponent. As per earlier EC, the total construction area was 24,571.68 sq. m. and project comprised of 3 nos. of rehab buildings and one sale building. PP further stated that, total project is revamped & there is no construction work has been initiated on site till date. PP further informed that, as per the revised plan, project under consideration comprises 1 Rehab and 1 Sale building with parking floors having total built up area 33,615.61 sq. m. Considering this, Committee appraises the proposal as fresh proposal & not as compliance case.

PP submitted their application for expansion of Environmental clearance for total plot area of 5850.05 Sq. Meters., Total BUA of 33615.61 Sq. Mtrs. and FSI area of 15758.94 Sq. Mtrs. having maximum heights of 71.6 mtrs.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to upload architect certificate for no construction undertaken on ground as per earlier EC.
2) PP to submit LoI.
3) PP to upload cancelation deed document transferring the project to V-raj.
4) PP to submit & upload the design & cross section of STPs indicating 40% area open to sky for adequate ventilation.
5) PP to ensure saving through renewable energy up to minimum 4%
6) PP to provide turning radius of 9 mt.

FINAL RECOMMENDATION

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

Agenda of 76th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 76 **Meeting Date** October 26, 2018

Subject: Environment Clearance for EC for Residential Development with shops at Thane

Is a Violation Case: No

1.Name of Project	"Green Square"
2.Type of institution	Private
3.Name of Project Proponent	M/s. Squarefeet Enterprises
4.Name of Consultant	M/s. Ultra-Tech
5.Type of project	Residential Development with shops
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The project is an expansion project. There are 3 different Sub Plots A1, A2 & A3 (adjacent to each other) of Plot A. All the buildings in Sub Plot A1 & A3 are completed and occupied as per Commencement Certificate (CC) & Occupation Certificate (OC) received from TMC. During this period we were not able to develop Sub Plot A2 as it was held up in Private forest issue (Mutated by Entry no. 2195). Hence as the total construction built-up area of Sub Plot A1 & A3 was less than 20,000 sq. mt. The project was not under purview of EIA Notification 2006, as amended. Thereafter Private forest issue was released through Hon. Supreme Court Order on 20.03.2015 (Mutation Entry no. 3138) . Then private forest entry was erased from the Holders column and we duly obtained NA for the same. Hence we are planning to develop Sub Plot A2 to utilize TDR and full potential of all the three plots as per the TMC rules and have received Permission certificate on 11.04.2016. Now since the total construction built-up area considering both existing buildings (Sub Plot A1 & A3) and proposed buildings (Sub Plot A2) will exceed 20,000 Sq. mt. we have applied for Environmental Clearance.
8.Location of the project	Plot Bearing S. No. 166/31, 168, 169, 170/p, Behind Batata Company, Kavesar, opp. Sanghavi Hills, Thane - 400615, Maharashtra.
9.Taluka	Thane
10.Village	Thane
Correspondence Name:	M/s. Square feet Enterprises
Room Number:	A1/104
Floor:	--
Building Name:	Grand Square
Road/Street Name:	G.B. Road
Locality:	Behind Rutu Enclave, Anand Nagar
City:	Thane
11.Area of the project	Thane Municipal Corporation (T.M.C.)
12.IOD/IOA/Concession/Plan Approval Number	Buildings in Sub Plot A1 & A3 Commencement Certificate (CC) received on dated 29.10.2009. Buildings in Sub Plot A1 Occupation Certificate (OC) received on dated 11.04.2016. Buildings in Sub Plot A3 Occupation Certificate (OC) received on dated 05.07.2013.
	IOD/IOA/Concession/Plan Approval Number: Buildings in Sub Plot A1 & A3 Commencement Certificate (CC): VP no. 2003/24 TMC/TDD-479. Buildings in Sub Plot A1 Occupation Certificate (OC): VP no. 2003/24 TMC/TDD-7. Buildings in Sub Plot A3 Occupation Certificate (OC): VP no. 2003/24 TMC/TDD-72.
	Approved Built-up Area: 9662.56

13.Note on the initiated work (If applicable)	The project is an expansion project. There are 3 different Sub Plots A1, A2 & A3 (adjacent to each other) of Plot A. All the buildings in Sub Plot A1 & A3 are completed and occupied as per Commencement Certificate (CC) & Occupation Certificate (OC) received from TMC. Chronology of the events are as follows: Sub Plot A1: Plot area-4372.58 Sq. mt., Commencement Certificate (CC) Dates: 29.10.2009, Occupation Certificate (OC) Dates: Part OC: 04.05.2013 Full OC: 11.04.2016, Built-up Area as per FSI: 6052.62 Sq. mt., Total Constructed (FSI + NON FSI): 8,756.61 Sq. mt. Sub Plot A2: Plot area-2687.13 Sq. mt., Commencement Certificate (CC) Dates: 29.10.2009, Occupation Certificate (OC) Dates: 05.07.2013, Built-up Area as per FSI: 3609.94 Sq. mt., Total Constructed (FSI + NON FSI): 4,758.41 Sq. mt. Total constructed work on site on A1 & A3: 13,515.02 Sq.mt. During this period we were not able to develop Sub Plot A2 as it was held up in Private forest issue (Mutated by Entry no. 2195). Hence as the total construction built-up area of Sub Plot A1 & A3 was less than 20,000 sq. mt. The project was not under purview of EIA Notification 2006, as amended. Thereafter Private forest issue was released through Hon. Supreme Court Order on 20.03.2015 (Mutation Entry no. 3138) . Then private forest entry was erased from the Holder's column and we duly obtained NA for the same. Hence we are planning to develop Sub Plot A2 to utilize TDR and full potential of all the three plots as per the TMC rules and have received Permission certificate on 11.04.2016. Now since the total construction built-up area considering both existing buildings (Sub Plot A1 & A3) and proposed buildings (Sub Plot A2) will exceed 20,000 Sq. mt. we have applied for Environmental Clearance; Total constructed work on site on A1 & A3: 13515.02
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	20,457.46 Sq. mt.
16.Deductions	Nil
17.Net Plot area	20,457.46 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 54,188.19 Sq. mt.
	b) Non FSI area (sq. m.): 41,561.56 Sq. mt.
	c) Total BUA area (sq. m.): 95749.75
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 9662.56 Sq. mt.
	Approved Non FSI area (sq. m.): 3852.46 Sq. mt.
	Date of Approval: 11-04-2016
19.Total ground coverage (m2)	9082.80 Sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	44%
21.Estimated cost of the project	1992000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Existing Constructed & Occupied buildings	--	--
2	SUB PLOT A-1	--	--
3	2 Nos. of Buildings	Ground/ Stilt + 1st to 14th Floors each	44.95
4	1 No. of Building	Stilt + 1st to 7th Floors	23.35
5	SUB PLOT A-3	--	--
6	2 Nos. of Buildings	Ground/ Stilt + 1st to 10th Floors each	33.35
7	Proposed Buildings	--	--
8	SUB PLOT A-2	--	--
9	Building 1	Ground/ Stilt + 1st to 30th Floors	91.65
10	Building 2	Stilt + Podium + 1st to 30th Floors	95.55
11	Building 3	Basement + Stilt + Podium + 1st to 30th Floors	95.55
12	Club House	Ground + 1st floor	9.55

23.Number of tenants and shops	Existing Constructed & Occupied buildings Residential Flats: 214 Nos. Shops: 20 Nos. Proposed Buildings Residential Flats: 870 Nos. Shops: 9 Nos.
24.Number of expected residents / users	Existing Constructed & Occupied buildings: 966 Nos., Proposed Buildings: 4017 Nos., Total: 4983 Nos.
25.Tenant density per hectare	520 / hectors
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	It is well connected with 40.00 mt. Wide D.P. Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 mt.
29.Existing structure (s) if any	Details as mentioned in point no. 7
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	T.M.C./ Tanker water for Swimming pool make up
	Fresh water (CMD):	Domestic: 444 KLD (T.M.C.)
	Recycled water - Flushing (CMD):	225 KLD
	Recycled water - Gardening (CMD):	36 KLD
	Swimming pool make up (Cum):	02 KLD (Tanker water of potable quality)
	Total Water Requirement (CMD) :	707 KLD
	Fire fighting - Underground water tank(CMD):	Existing Bldgs: 350 KL and Proposed Bldg: 450 KL
	Fire fighting - Overhead water tank(CMD):	Existing Bldgs: 110 KL and Proposed Bldg: 75 KL
	Excess treated water	258 KLD

Wet season:	**Source of water**	T.M.C./ Tanker water for Swimming pool make up/ Partly by RWH
	Fresh water (CMD):	Domestic: 444 KLD (370 form T.M.C. + 74 KLD from RWH)
	Recycled water - Flushing (CMD):	225 KLD
	Recycled water - Gardening (CMD):	Not Applicable
	Swimming pool make up (Cum):	02 KLD (Tanker water of potable quality)
	Total Water Requirement (CMD) :	671KLD
	Fire fighting - Underground water tank(CMD):	Existing Bldgs: 350 KL and Proposed Bldg: 450 KL
	Fire fighting - Overhead water tank(CMD):	Existing Bldgs: 110 KL and Proposed Bldg: 75 KL
	Excess treated water	294 KLD
Details of Swimming pool (If any)	Swimming pool volume: 108 m3 Swimming pool make up water requirement: 2 KLD	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.00 m below ground level
	Size and no of RWH tank(s) and Quantity:	Existing Buildings: Building A & B: 1 RWH tank of capacity 21 KL, Building C1, C2 & C3: 1 RWH tank of capacity 30 KL and Proposed Buildings: Building 1: 1 RWH tank of capacity 42 KL, Building 2: 1 RWH tank of capacity 42 KL, Building 3: 1 RWH tank of capacity 42 KL and Club House: 1 RWH tank of capacity 9 KL
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Rs. 36.60 Lacs
	Budgetary allocation (O & M cost) :	Rs. 1.26 Lacs/annum
	Details of UGT tanks if any :	Location of UG tanks: Underground

35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal SWD.
	Quantity of storm water:	0.66 m3/sec
	Size of SWD:	1.05 m3/sec
Sewage and Waste water	**Sewage generation in KLD:**	Existing Buildings: 110 KLD and Proposed Buildings: 470 KLD
	STP technology:	Moving Bed Bio Reactor (MBBR)
	Capacity of STP (CMD):	Plot A-1: 75 KLD, Plot A-2: 520 KLD, Plot A-3: 47 KLD
	Location & area of the STP:	Location: Underground; STP for Plot A-1: 70 Sq.mt., STP for Plot A-2: 400 Sq.mt. and STP for Plot A-3: 60 Sq.mt.
	Budgetary allocation (Capital cost):	Rs. 130.88 Lacs
	Budgetary allocation (O & M cost):	Rs. 32.81 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	The excavated earth shall be partly reused for back filling on site and partly disposed to authorized landfill site with permission of T.M.C.
	Disposal of the construction waste debris:	Construction waste shall be partly reused on the site and partly will be disposed to the authorized landfill site.
Waste generation in the operation Phase:	**Dry waste:**	Existing Buildings: 247 Kg/day and Proposed Buildings: 1080 kg/day
	Wet waste:	Existing Buildings: 166 kg/day and Proposed Buildings: 719 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	86 kg/day
	Others if any:	Not Applicable
Mode of Disposal of waste:	**Dry waste:**	Non-recyclable : To T.M.C and Recyclable: To recyclers
	Wet waste:	Composting in organic waste convertor
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	149 Sq. mt.
	Area for machinery:	36 Sq. mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 27.00 Lacs
	O & M cost:	Rs 6.80 Lacs/annum
37.Effluent Charecterestics		

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	5,118.18 sq. mt.
	No of trees to be cut :	Nil
	Number of trees to be planted :	376
	List of proposed native trees :	As shown below
	Timeline for completion of plantation :	At the time of completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mango	Mangifera indica	88	It is large evergreen and shady tree. Its uses are clearing digestion and acidity due to pitta (heat). Medicinal properties are attributed to different parts of mango tree.

2	Moulmein Rosewood	Milletia ovalifolia	90	Rosewood is a large deciduous or nearly evergreen tree with a cylindrical, fairly straight bole and a broad rounded crown.
3	White Frangipani	Plumeria species	6	A small tree, planted as an ornamental. Trunk is usually leaning and often branched. Leaves are long, narrow, clustered near the end of branches.
4	Neem	Azadirachta indica	30	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation.
5	Bakul	Mimusops elengi	35	Shady medium-sized evergreen tree, small white fragrant flowers, Its timber is valuable, the fruit is edible, and it is used in traditional medicine.
6	Taman	Lagestroemia speciosa	46	Small to medium sized deciduous tree. Leaves opposite, narrowly elliptic, young leaves pubescent beneath, mature leaves glabrous on both sides.
7	Badam	Terminalia catappa	72	It's large tropical tree in the lead wood 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 Its leaves are known for medicinal properties. Shady tree.
8	Existing tree	--	9	--
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Maharashtra State Electricity Distribution Company Limited (MSEDCL)
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	Existing Building: 1071 KW and Proposed Buildings: 4515 KW
	During Operation phase (Demand load):	Existing Building: 5401 KW and Proposed Buildings: 2386 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	Existing Buildings: Sub Plot A-1 - 1 DG set of 250 kVA capacity; Sub Plot A-3 - 1 DG set of 200 kVA capacity and Proposed Buildings: Sub Plot A-2 - 3 DG set of 500 kVA capacity each
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

• 30% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements.
• All Motors with VFD control use as per different stages & Time.
• All water pump motors will be used High Efficiency motors with High low level sensors.
• LED light with timer control Operated to reduce amount of light at different stages and with Solar power backup.
• All internal (Apartments) area lighting are proposed to work on high energy efficient lamps as specified in bureau of energy efficiency, which again results in saving in general consumption.
• All Apartments Geyser is proposed to be on STAR RATED in place of normal Geyser.
• All Apartments AC is proposed to be on STAR RATED in place of normal AC.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	20%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	Septic tanks and soak pits	Sewage Treatment Plant (STP)
Solid waste	--	Organic Waste Convertor

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 17.5 Lacs
	O & M cost:	Rs. 1.0 Lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression	7.20

2	Air Environment	Air and Noise Monitoring: On site Sensors	12.00
3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory	0.88
4	Water Environment	Drinking water analysis	0.72
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control	4.80
7	Health & Hygiene	Health Check-up of workers	18.00
8	Cost towards Disaster Management	--	244.08

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring	On site sensors	No set up cost is involved as already considered Construction Phase	0.50
2	AIR & NOISE ENVIRONMENT - Ambient Air quality & Noise Monitoring	By outside MoEF & CC Approved Laboratory	*No set up cost is involved	0.22
3	AIR & NOISE ENVIRONMENT - Cost for DG Stack Exhaust Monitoring	5 nos. of stacks	*No set up cost is involved	0.24
4	AIR & NOISE ENVIRONMENT - Cost for Plantation	5118.18 Sq.mt. of RG area on ground	28.15	1.20
5	WATER ENVIRONMENT - Waste water treatment	Cost for sewage Treatment Plant	130.88	32.81
6	WATER ENVIRONMENT - Cost for water & waste water Monitoring	On site sensors	54.00	3.00
7	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	*No set up cost is involved	0.08
8	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	18.60	0.93
9	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for Rain Water collected in tanks	18.00	0.06

10	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	*No set up cost is involved	0.27
11	LAND ENVIRONMENT - Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	27.00	6.80
12	LAND ENVIRONMENT - Solid Waste Management	Environmental Monitoring	*No set up cost is involved	0.08
13	ENERGY CONSERVATION - Use of renewable energy	Solar system	17.5	1.0
14	Cost towards disaster management	--	822.87	24.69

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:	3 entry and 3 exits

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	8,778.65 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	Existing Building: 245 Nos. and Proposed Buildings: 906 Nos.
	Number of 4-Wheelers as approved by competent authority:	Existing Building: 89 Nos. and Proposed Buildings: 772 Nos.
	Public Transport:	--
	Width of all Internal roads (m):	Min 6.0 mt.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (b)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	11-05-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	Total Water Requirement (Dry season – 707 KLD) & (Wet season – 671 KLD)
Waste Water Treatment	• Sewage generation in KLD: Existing Buildings: 110 KLD and Proposed Buildings: 470 KLD • STP technology: Moving Bed Bio Reactor (MBBR) • Capacity of STP (CMD): Plot A-1: 75 KLD, Plot A-2: 520 KLD, Plot A-3: 47 KLD • Location & area of the STP: Location: Underground; STP for Plot A-1: 70 Sq.mt., STP for Plot A-2: 400 Sq.mt. and STP for Plot A-3: 60 Sq.mt.
Drainage pattern of the project	1) Natural water drainage pattern: The storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal SWD. 2) Quantity of storm water: 0.66 m3/sec 3) Size of SWD: 1.05 m3/sec

Ground water parameters	3.00 m below ground level
Solid Waste Management	1) Waste generation in the Pre-Construction and Construction phase: The excavated earth shall be partly reused for back filling on site and partly disposed to authorize landfill site with permission of T.M.C. 2) Disposal of the construction waste debris: Construction waste shall be partly reused on the site and partly will be disposed to the authorized landfill site. 3) Waste generation in the operation Phase: • Dry waste: Existing Buildings: 247 Kg/day and Proposed Buildings: 1080 kg/day • Wet waste: Existing Buildings: 166 kg/day and Proposed Buildings: 719 kg/day • Hazardous waste: Not Applicable • Biomedical waste (If applicable): Not Applicable • STP Sludge (Dry sludge): 86 kg/day • Others if any: NIL 4) Mode of Disposal of waste: • Dry waste: Non-recyclable : To T.M.C and Recyclable: To recyclers • Wet waste: Composting in organic waste convertor • Hazardous waste: Not Applicable • Biomedical waste (If applicable): Not Applicable • STP Sludge (Dry sludge): Use as manure • Others if any: Not Applicable 5) Area requirement: • Location(s): Ground • Area for the storage of waste & other material: 149 Sq. mt. • Area for machinery: 36 Sq. mt. • Capital cost - Rs. 27.00 Lacs O & M cost: Rs 6.80 Lacs/annum
Air Quality & Noise Level issues	-
Energy Management	1) Power requirement: • Source of power supply : Maharashtra State Electricity Distribution Company Limited (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): Existing Building: 1071 KW and Proposed Buildings: 4515 KW • During Operation phase (Demand load): Existing Building: 5401 KW and Proposed Buildings: 2386 KW • Transformer: - • DG set as Power back-up during operation phase: Existing Buildings: Sub Plot A-1 - 1 DG set of 250 kVA capacity; Sub Plot A-3 - 1 DG set of 200 kVA capacity and Proposed Buildings: Sub Plot A-2 - 3 DG set of 500 kVA capacity each • Fuel used: Diesel • Details of high tension line passing through the plot if any: No 2) Energy saving by non-conventional method: • 30% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements. • All Motors with VFD control use as per different stages & Time • All water pump motors will be used High Efficiency motors with High low level sensors • LED light with timer control Operated to reduce amount of light at different stages and with Solar power backup • All internal (Apartments) area lighting are proposed to work on high energy efficient lamps as specified in bureau of energy efficiency, which again results in saving in general consumption • All Apartments Geyser is proposed to be on STAR RATED in place of normal Geyser. • All Apartments AC is proposed to be on STAR RATED in place of normal AC 3) Detail calculations & % of saving: Overall energy saving 20%
Traffic circulation system and risk assessment	Nos. of the junction to the main road & design of confluence: 3 entry and 3 exits
Landscape Plan	Total RG area : 5,118.18 sq. mt.
Disaster management system and risk assessment	Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation 9.00 mt
Socioeconomic impact assessment	-
Environmental Management Plan	Total Cost per annum (Rs. In Lacs) Air Environment Water for Dust Suppression 7.20, Air Environment Air and Noise Monitoring: On site Sensors 12.00, Air Environment Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory 0.88, Water Environment Drinking water analysis 0.72, Land Environment Site Sanitation 5.00, Health & Hygiene Disinfection- Pest Control 4.80, Health & Hygiene Health Check-up of workers 18.00, Cost towards Disaster Management -- 244.08
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for EC for Residential Development with shops at Thane at Plot Bearing S. No. 166/31, 168, 169, 170/p, Behind Batata Company, Kavesar, opp. Sanghavi Hills, Thane - 400615, Maharashtra by M/s. Squarefeet Enterprises.

Representative of PP was present during the meeting along with environmental consultant M/s. Ultra-Tech. PP stated that, the proposal was previously considered in 49th meeting of SEAC-II, held on 22-26 August, 2016

PP stated that actually it is a single plot A. However as some middle portion of this plot was earlier reserved as private forest, they couldn't develop it then. That time for the sake of convenience, they had named portion of plot A which was reserved as private forest as A2 and that portions of plot A on left and right side of it as A1 and A3. Thus A1, A2 and A3 are not different plots and are not amalgamated to form plot A, but are just portions (sub plots) of original plot A belonging to them. All the buildings in Sub Plot A1 & A3 are completed and occupied as per Commencement Certificate (CC) & Occupation Certificate (OC) received from TMC. Sub Plot A2 was declared as Private forest hence could not be developed. The total construction built-up area of Sub Plot A1 & A3 was less than 20,000 sq. mt. Therefore project was not under purview of EIA Notification 2006, as amended.

PP further stated that, thereafter Private forest issue was resolved through Hon. Supreme Court Order dated 20.03.2015. They also obtained the duly obtained NA for the same. Now the project under consideration is an expansion project as PP planning to develop Sub Plot A2 to utilize TDR and full potential of all the three plots as per the TMC rules and have received Permission certificate on 11.04.2016. Since the total construction built-up area considering both existing buildings (Sub Plot A1 & A3) and proposed buildings (Sub Plot A2) is more than 20,000 Sq. mt. they have applied for Environmental Clearance.

The project under consideration is having total plot area of 20,457.46 Sq. Meters., Total BUA of 95749.75 Sq. Mtrs. and FSI area of 54,188.19 Sq. Mtrs., having maximum heights of 95.55 mtrs.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to upload copies of LoI for subplot A1, A2 & A3.
2) PP to upload Hon. Supreme Court Order regarding private forest.
3) PP to upload copies of CC/OC for subplot A1 & A3.
4) PP to submit & upload fire NoC
5) PP to ensure their will be 6mt drive way all around building.
6) Committee noted that, the project site is within the 100 m of Sanjay Gandhi National Park (SGNP). PP to submit NoC from high level monitoring committee of ESZ (SGNP).

FINAL RECOMMENDATION

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

Agenda of 76th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 76 **Meeting Date** October 26, 2018

Subject: Environment Clearance for EXPANSION of Residential cum commercial project at Plot bearing S. No. 170/1, Village- Panchpakhadi, Thane (W), Tal & Dist. Thane, Maharashtra by JAGDALE INFRASTRUCTURE PVT. LTD.

Is a Violation Case: No

1.Name of Project	JAGDALE INFRASTRUCTURE PVT. LTD.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rohit Jagdale (JAGDALE INFRASTRUCTURE PVT. LTD.)
4.Name of Consultant	Dr. D. A. Patil (Mahabal Enviro Engineers Pvt. Ltd.)
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing S. No. 170/1, Village- Panchpakhadi, Thane (W), Tal & Dist. Thane, Maharashtra.
9.Taluka	Thane
10.Village	Panchpakhadi
Correspondence Name:	Mr. Rohit Jagdale
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	-
City:	-
11.Area of the project	Thane Municipal Corporation (TMC)
12.IOD/IOA/Concession/Plan Approval Number	Amended Permission/C.C No. V .P. No. SO3/0041/14/TMC/TDD/2425/17 dated 7/12/2017
	IOD/IOA/Concession/Plan Approval Number: Amended Permission/C.C No. V .P. No. SO3/0041/14/TMC/TDD/2425/17 dated 7/12/2017
	Approved Built-up Area: 24160.93
13.Note on the initiated work (If applicable)	Bldg A (Only Plinth) and Bldg B - (LG + UG + 1st to 20th Flrs) FSI Area = 8152.92 sq. mt. , Non FSI = 5112.52 sq. mt., Total construction area = 13,270.44 sq. mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	TMC/TDD/8447 dated. 19/01/2017
15.Total Plot Area (sq. m.)	6,894.00 m2
16.Deductions	1725.55 m2
17.Net Plot area	5,168.45 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12,824.19 m2
	b) Non FSI area (sq. m.): 11,485.20 m2
	c) Total BUA area (sq. m.): 24309.39
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)	3515.21 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	54.92%
21.Estimated cost of the project	700000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	BUILDING A (Residential cum Commercial)	St / G + 1st to 5th Floors	19.95 m
2	BUILDING B (Residential)	LG + G + Pod/St + 1st to 28th typical floors + 29th fitness centre	91.90 m

23.Number of tenants and shops	Flats: 181 Nos. Commercial area: 756.40 m2
24.Number of expected residents / users	981 Nos.
25.Tenant density per hectare	258/Ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	20 m wide Koras 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	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**	TMC
	Fresh water (CMD):	83
	Recycled water - Flushing (CMD):	42
	Recycled water - Gardening (CMD):	6
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	126
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	67
Wet season:	**Source of water**	TMC + RWH
	Fresh water (CMD):	61 + 22
	Recycled water - Flushing (CMD):	42
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	126
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	73
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3-4 m
	Size and no of RWH tank(s) and Quantity:	1 Rainwater Harvesting Tank of total 50 m3
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 12 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh/year
	Details of UGT tanks if any :	Underground
35.Storm water drainage	**Natural water drainage pattern:**	As per site Contour/Surface slope
	Quantity of storm water:	0.164 cu. m/s
	Size of SWD:	0.45m x 0.45m (Slope 1:300)
Sewage and Waste water	**Sewage generation in KLD:**	117 KLD
	STP technology:	MBBR technology
	Capacity of STP (CMD):	1 STP of 125 KLD Capacity
	Location & area of the STP:	Ground (Area provided: 100 m2)
	Budgetary allocation (Capital cost):	Rs. 32 lakh
	Budgetary allocation (O & M cost):	Rs. 8 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 706 m3
	Disposal of the construction waste debris:	The construction debris will be utilized at site for Road Paving/ site leveling
Waste generation in the operation Phase:	**Dry waste:**	187 kg/day
	Wet waste:	281 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Households used needles and syringes and contaminated gauge (Biomedical waste) will be disposed as per Bio-Medical Waste Management Rules, 2016
	STP Sludge (Dry sludge):	1 KLD will be used as a manure for gardening
	Others if any:	Households CFL Bulbs, tube lights, computer parts will be disposed as per E-waste (Management) Rules, 2016

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated and disposed off to recyclers
	Wet waste:	Wet garbage/biodegradable matter as leftover food, vegetables will be composted by mechanical composting method.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	Households used needles and syringes and contaminated gauge (Biomedical waste) will be disposed as per Bio-Medical Waste Management Rules, 2016
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	The E-waste shall be handed over to e-waste management vendor authorized by MPCB.
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	40 m2
	Area for machinery:	17 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 12 Lakh
	O & M cost:	Rs. 5 lakh/year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	As per the local building bye-laws the RG required is 1,216.11 m2 and RG provided is 1,279.97 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	108
	List of proposed native trees :	As below
	Timeline for completion of plantation :	2 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	CASSIA FISTULA	BAHAVA	05	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
2	NYCTANTHES ARBOR-TRISTIS	PARIJATAK	48	Small deciduous fast growing tree, beautiful flowrers.
3	SARACA ASOKA	SITA ASHOKA	06	Shady tree with red-yellow flowers.
4	ALBIZZIA LEBLECK	SHIRISH	07	Shady tree, yellowish green fragrant flowers
5	ANTHOCEPHALLUS CADANBA	KADAMB	03	Shady, large tree, ball shaped flowers.
6	CARYOTA URENS	FISH TAIL PALMS	36	Tall evergreen tree
7	ALSTONIA SCHOLARIS	SAPTAPARNI	03	Shady Tree, white fragrant flowers
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Chitrak - Plumbago Capensis	-	-
2	Raphis Palm	-	-
3	Kunti - Murraya Paniculata	-	-
4	Adulsa - Adhatoda Vasica	-	-
5	Kardal - Canna Dwarf	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 kVA
	DG set as Power back-up during construction phase	100 kVA
	During Operation phase (Connected load):	1.7 MW
	During Operation phase (Demand load):	1.0 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	325 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement
- Solar lighting in garden and road
- Solar hot water for residential buildings
- Solar street lights will be proposed
- Energy efficient lighting fixtures (LED lights) to all buildings

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy saving	21.14%
2	Energy saving through renewable energy source	16.5%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	13 Lakh
	O & M cost:	1 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	3
2	Site sanitation (Toilets)	-	4

3	Environmental Monitoring	(As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	4
4	Potable Water Supply to Labour Camp	-	3.5
5	Health check-up & first aid	-	3
6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	3
7	Traffic Management	(Sign Boards, Persons at entry exit and Parking area)	2
8	Safety nets	-	6
9	Solid Waste Management & Site maintenance activity	-	3
10	Safety - Training to Workers (Twice in Year), Safety Officer	-	2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	32	8
2	Solar Hot Water	Monthly	13	1
3	Rain Water Harvesting	Only for filtration plant.	12	1
4	Solid waste Composting plant	Continuous O & M	12	5
5	Landscape	Daily	13	2
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	4

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

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

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	20 m wide existing Korus Road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	Lower Ground Floor = 2879.54 sq.m ; Ground Floor = 2927.23 sq. m. ; Total = 5806.77 sq. m.
	Total Parking area:	8086.23 sq.m.
	Area per car:	Big Car = 13.75 sq. m. & Small Car = 10.35 sq.m.
	Area per car:	Big Car = 13.75 sq. m. & Small Car = 10.35 sq.m.
	Number of 2-Wheelers as approved by competent authority:	229
	Number of 4-Wheelers as approved by competent authority:	269
	Public Transport:	NA
	Width of all Internal roads (m):	6 & 9 m wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park is at distance of 750 m from the project site. As per the ESZ notification of Sanjay Gandhi National Park (SGNP), vide no. S. O. 3645 (E) dated 05.12.2016, our project site is outside of ESZ i.e. (100 m); hence clearance from the Standing Committee of the National Board for Wildlife is not applicable for our project.
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	Total Water Requirement (Dry season - 126) & (Wet season - 126)
Waste Water Treatment	• Sewage generation in KLD: 117 KLD • STP technology: MBBR technology • Capacity of STP (CMD): 1 STP of 125 KLD Capacity • Location & area of the STP: Ground (Area provided: 100 m2)

Drainage pattern of the project	1) Natural water drainage pattern: As per site Contour/Surface slope 2) Quantity of storm water: 0.164 cu. m/s 3) Size of SWD: 0.45m x 0.45m (Slope 1:300)
Ground water parameters	3-4 m
Solid Waste Management	1) Waste generation in the Pre Construction and Construction phase: • Waste generation: Construction debris: 706 m3 • Disposal of the construction waste debris: The construction debris will be utilized at site for Road Paving/ site leveling 2) Waste generation in the operation Phase: • Dry waste: 187 kg/day • Wet waste: 281 kg/day • Hazardous waste: NA • Biomedical waste (If applicable): Households used needles and syringes and contaminated gauge (Biomedical waste) will be disposed as per Bio-Medical Waste Management Rules, 2016 • STP Sludge (Dry sludge): 1 KLD will be used as a manure for gardening • Others if any: Households CFL Bulbs, tube lights, computer parts will be disposed as per E-waste (Management) Rules, 2016 3) Mode of Disposal of waste: • Dry waste: Dry garbage will be segregated and disposed off to recyclers • Wet waste: Wet garbage/biodegradable matter as leftover food, vegetables will be composted by mechanical composting method. • Hazardous waste: NA • Biomedical waste (If applicable): Households used needles and syringes and contaminated gauge (Biomedical waste) will be disposed as per Bio-Medical Waste Management Rules, 2016 • STP Sludge (Dry sludge): Sludge use as manure for gardening • Others if any: The E-waste shall be handed over to e-waste management vendor authorized by MPCB. 4) Area requirement: • Location(s): Ground Area for the storage of waste & other material: 40 m2 • Area for machinery: 17 m2 Budgetary allocation (Capital cost and O&M cost): • Capital cost: Rs. 12 Lakh O & M cost: Rs. 5 lakh/year
Air Quality & Noise Level issues	-
Energy Management	1) Power requirement: • Source of power supply : MSEDCL • During Construction Phase: (Demand Load) 100 kVA • DG set as Power back-up during construction phase 100 kVA • During Operation phase (Connected load): 1.7 MW • During Operation phase (Demand load): 1.0 MW • DG set as Power back-up during operation phase: 325 kVA • Fuel used: HSD • Details of high tension line passing through the plot if any: NA 2) Energy saving by non-conventional method: • Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement • Solar lighting in garden and road • Solar hot water for residential buildings • Solar street lights will be proposed • Energy efficient lighting fixtures (LED lights) to all buildings 3) Detail calculations & % of saving: • Total Energy saving 21.14% • Energy saving through renewable energy source 16.5%
Traffic circulation system and risk assessment	-
Landscape Plan	Total RG area : As per the local building bye-laws the RG required is 1,216.11 m2 and RG provided is 1,279.97 m2
Disaster management system and risk assessment	Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation – 9 mt
Socioeconomic impact assessment	-
Environmental Management Plan	(Total Cost per annum (Rs. In Lacs)) Water spray for dust suppression - 3 Site sanitation (Toilets) – 4 Environmental Monitoring (As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time) 4 Potable Water Supply to Labour Camp - 3.5 Health check-up & first aid - 3 Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.) 3 Traffic Management (Sign Boards, Persons at entry exit and Parking area) 2 Safety nets – 6 Solid Waste Management & Site maintenance activity - 3 Safety - Training to Workers (Twice in Year), Safety Officer - 2
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for EXPANSION of Residential cum commercial project at Plot bearing S. No. 170/1, Village- Panchpakhadi, Thane (W), Tal & Dist. Thane, Maharashtra by JAGDALE INFRASTRUCTURE PVT. LTD.

Representative of PP was present during the meeting along with environmental consultant Dr. D.A.Pail

PP submitted their application for prior Environmental clearance for total plot area of 6894 Sq. Mt., Total BUA of 24309.39 Sq. Mtrs. (FSI- 12824.19 Sq. Mtrs). It is proposed to construct 2 buildings having maximum heights of 91.9 meters

The proposal was previously considered in 60th meeting of SEAC-II, held on 21/04/2018. The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

PP stated that compliance condition no 3 i.e "PP to submit certified compliance report of earlier EC from RO, MOEF & CC, Nagpur" is Not applicable as this is a fresh proposal, due to availability of additional FSI as per GoM order dated 02.05.2016, plot potential exceeding 20,000 m^2 hence it is an expansion of existing project. PP has complied with the points raised in the 60th meeting of SEAC-2 ***hence, Committee decided to recommend the proposal for Environmental Clearance to SEIAA.***

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 76th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 76 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Environmental Clearane for proposed Area Development Project in Pushpak Node at Navi Mumbai

Is a Violation Case: No

1.Name of Project	Area Development Project in Pushpak Node for Navi Mumbai International Airport
2.Type of institution	Government
3.Name of Project Proponent	City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO)
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	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	Not applicable
8.Location of the project	Revenue village - Owle Survey Nos. 24pt,25pt,26,27pt,29pt,30pt,31,32pt,33,34pt,35pt,42pt,43pt,44,45,46,47pt,54pt,55,56,57,58,59,60,61,62,63pt,64,65,66,67,68,69,70pt,192PT & 193pt Revenue village - Bambavi Survey Nos. 26pt,27pt,28pt,29pt,30pt,31pt,32,33,34,35,36,37,38pt & 39pt Revenue village - Ulwe Survey Nos. 74pt,75pt,76pt & 77pt Revenue village - Kundawahal Survey Nos. 84pt
9.Taluka	Panvel
10.Village	Owale, Bambavi, Pargaon, Dungi, Ulwe & Kundeawahal
Correspondence Name:	D.R. Patil
Room Number:	--
Floor:	3rd Floor, Tower no.10
Building Name:	Belapur Railway Station Complex
Road/Street Name:	At CBD Belapur Railway Station
Locality:	CBD Belapur
City:	Navi Mumbai
11.Area of the project	CIDCO
12.IOD/IOA/Concession/Plan Approval Number	Not Applicable at this stage
	IOD/IOA/Concession/Plan Approval Number: Not Applicable at this stage
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approvals from Government of India (MoCA, MoD, MoEF& CC), Government of Maharashtra are obtained for NMIA project proposals pertaining to development of area to the south of proposed Airport site for airport support activities.
15.Total Plot Area (sq. m.)	4,39,200 sq.m. (43.92 Ha)
16.Deductions	Not Applicable at this stage
17.Net Plot area	4,39,200 sq.m. (43.92 Ha)
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Not Applicable at this stage
	b) Non FSI area (sq. m.): Not Applicable at this stage
	c) Total BUA area (sq. m.): 2029000
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Not Applicable at this stage
	Approved Non FSI area (sq. m.): Not Applicable at this stage
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	Not Applicable at this stage
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not Applicable at this stage
21.Estimated cost of the project	0

22.Number of buildings & its configuration

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

23.Number of tenants and shops	Will be worked out at Rapid EIA Stage
24.Number of expected residents / users	Approx. 250,000
25.Tenant density per hectare	Approx. 5,692

26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Minimum 9m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	No
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Hetwane Dam / Morbe Dam for fresh water and STP treated water for flushing and gardening
	Fresh water (CMD):	Will be worked out at Rapid EIA Stage
	Recycled water - Flushing (CMD):	Will be worked out at Rapid EIA Stage
	Recycled water - Gardening (CMD):	Will be worked out at Rapid EIA Stage
	Swimming pool make up (Cum):	Will be worked out at Rapid EIA Stage
	Total Water Requirement (CMD) :	11MLD
	Fire fighting - Underground water tank(CMD):	Will be worked out at Rapid EIA Stage
	Fire fighting - Overhead water tank(CMD):	Will be worked out at Rapid EIA Stage
	Excess treated water	Will be worked out at Rapid EIA Stage

Wet season:	**Source of water**	Hetwane Dam / Morbe Dam for fresh water and STP treated water for flushing
	Fresh water (CMD):	Will be worked out at Rapid EIA Stage
	Recycled water - Flushing (CMD):	Will be worked out at Rapid EIA Stage
	Recycled water - Gardening (CMD):	Will be worked out at Rapid EIA Stage
	Swimming pool make up (Cum):	Will be worked out at Rapid EIA Stage
	Total Water Requirement (CMD) :	11MLD
	Fire fighting - Underground water tank(CMD):	Will be worked out at Rapid EIA Stage
	Fire fighting - Overhead water tank(CMD):	Will be worked out at Rapid EIA Stage
	Excess treated water	Will be worked out at Rapid EIA Stage
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:**	Will be studied at Rapid EIA Stage
	Size and no of RWH tank(s) and Quantity:	Will be worked out at Rapid EIA Stage
	Location of the RWH tank(s):	Will be worked out at Rapid EIA Stage
	Quantity of recharge pits:	Will be worked out at Rapid EIA Stage
	Size of recharge pits :	Will be worked out at Rapid EIA Stage
	Budgetary allocation (Capital cost) :	Will be worked out at Rapid EIA Stage
	Budgetary allocation (O & M cost) :	Will be worked out at Rapid EIA Stage
	Details of UGT tanks if any :	Will be worked out at Rapid EIA Stage

35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage pattern will be maintained as far as possible
	Quantity of storm water:	Will be worked out at Rapid EIA Stage
	Size of SWD:	Will be worked out at Rapid EIA Stage
Sewage and Waste water	**Sewage generation in KLD:**	Will be worked out at Rapid EIA Stage
	STP technology:	Will be worked out at Rapid EIA Stage
	Capacity of STP (CMD):	Will be worked out at Rapid EIA Stage
	Location & area of the STP:	Will be worked out at Rapid EIA Stage
	Budgetary allocation (Capital cost):	Will be worked out at Rapid EIA Stage
	Budgetary allocation (O & M cost):	Will be worked out at Rapid EIA Stage
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Approx. 3.5 crore cum. excavated material will be generated from hill cutting.
	Disposal of the construction waste debris:	The excavated material removed during excavation will be reused on site or will be used as filling material in nearby areas. Bricks, metal chips, cut tiles will be used for internal paving. The damaged / cut pieces of steel, glass etc. will be sold to the scrap dealer. Remaining will be sold off to authorized dealers.
Waste generation in the operation Phase:	**Dry waste:**	Will be worked out at Rapid EIA Stage
	Wet waste:	Will be worked out at Rapid EIA Stage
	Hazardous waste:	Waste / Spent Oil from DG Set & Transformers
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be worked out at Rapid EIA Stage
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Segregation and sale of recyclables, inerts to approved landfill site
	Wet waste:	Organic Waste Composter (OWC)
	Hazardous waste:	Used oil from DG sets to be sold to authorized oil waste recycler
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be mixed with wet waste and to use it as compost after proper drying
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Will be worked out at Rapid EIA Stage
	Area for the storage of waste & other material:	Will be worked out at Rapid EIA Stage
	Area for machinery:	Will be worked out at Rapid EIA Stage
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Will be worked out at Rapid EIA Stage
	O & M cost:	Will be worked out at Rapid EIA Stage
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	Used / spent oil applicable	5.1	KL/Annum	Not applicable	As and when generated	As and when generated	Will be sold to authorized oil waste recyclers

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG Set (details will be worked out at Rapid EIA Stage)	HSD	details will be worked out at Rapid EIA Stage	As per CPCB guidelines	As per CPCB guidelines	Not applicable

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	As per requirement	As per requirement
41.Source of Fuel		Local Petrol Pump		
42.Mode of Transportation of fuel to site		Tanker		

43.Green Belt Development		
	Total RG area :	As per requirement
	No of trees to be cut :	300 approx.
	Number of trees to be planted :	As per requirement, details will be worked out at Rapid EIA Stage
	List of proposed native trees :	Native tree species with large canopy size and flower and fruit bearing variety will be selected.
	Timeline for completion of plantation :	Till the operation phase of the project

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

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

1	Will be worked out at Rapid EIA Stage	Will be worked out at Rapid EIA Stage	Will be worked out at Rapid EIA Stage	Will be worked out at Rapid EIA Stage
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	Will be worked out at Rapid EIA Stage	Will be worked out at Rapid EIA Stage	Will be worked out at Rapid EIA Stage

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	Will be worked out at Rapid EIA Stage
	DG set as Power back-up during construction phase	Will be worked out at Rapid EIA Stage
	During Operation phase (Connected load):	Will be worked out at Rapid EIA Stage
	During Operation phase (Demand load):	Will be worked out at Rapid EIA Stage
	Transformer:	Will be worked out at Rapid EIA Stage
	DG set as Power back-up during operation phase:	Will be worked out at Rapid EIA Stage
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	EHVT lines of MSETCL to JNPT port go through the site in North-South direction. There will be re-routed through underground ducts along NH48 / Amara Marg to JNPT. Approval of same is obtained from MoEFCC vide letter dt 28.08.2017

48.Energy saving by non-conventional method:

• Maximize the use of natural lighting through design.
• Attempt will be made to run external lighting which would include street lights, common area lighting, landscape etc. on solar energy.
• Purchase of energy efficient appliances.
• Use of compact fluorescent lamps and low voltage lighting.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Will be worked out at Rapid EIA Stage	Will be worked out at Rapid EIA Stage

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:**	Will be worked out at Rapid EIA Stage
	O & M cost:	Will be worked out at Rapid EIA Stage

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):			
Serial Number	**Attributes**	**Parameter**	**Total Cost per annum (Rs. In Lacs)**
1	Will be worked out at Rapid EIA Stage	NA	Will be worked out at Rapid EIA Stage

b) Operation Phase (with Break-up):				
Serial Number	**Component**	**Description**	**Capital cost Rs. In Lacs**	**Operational and Maintenance cost (Rs. in Lacs/yr)**
1	Will be worked out at Rapid EIA Stage	Will be worked out at Rapid EIA Stage	Will be worked out at Rapid EIA Stage	Will be worked out at Rapid EIA Stage

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:	Details will be worked out at Rapid EIA Stage

Parking details:	**Number and area of basement:**	Details will be worked out at Rapid EIA Stage
	Number and area of podia:	Details will be worked out at Rapid EIA Stage
	Total Parking area:	Will be worked out at Rapid EIA Stage
	Area per car:	Will be worked out at Rapid EIA Stage
	Area per car:	Will be worked out at Rapid EIA Stage
	Number of 2-Wheelers as approved by competent authority:	As per requirement
	Number of 4-Wheelers as approved by competent authority:	As per requirement
	Public Transport:	Nearest Railway Station: Panvel railway station at 6 kms. on Central Rly./ Konkan Rly., Khandeshwar- 6 km. suburban Rly. CST-Panvel Fast Track Rail/Metro with dedicated spur to Airport is being planned. New East-West road of 60m width adjacent to the Northern boundary of plot to aid traffic disbursement.
	Width of all Internal roads (m):	Internal roads to facilitate movement within the plot will be provided as a part of the project plan . Details will be worked out at Rapid EIA Stage.
	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)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Forest land involved, Survey No. 193 of Owale Village (Total area in this proposal 12.36 Ha) Forest clearance stage I / II obtained. (Annexure II of Form I IA)
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-

Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environmental Clearane for proposed Area Development Project in Pushpak Node at Navi Mumbai at Revenue village - Owle Survey Nos. 24pt,25pt,26,27pt,29pt,30pt,31,32pt, 33,34pt, 35pt,42pt,43pt, 44,45,46, 47pt,54pt,55,56, 57,58,59,60,61,62,63pt,64, 65,66,67,68,69,70pt,192PT & 193pt Revenue village - Bambavi Survey Nos. 26pt,27pt,28pt,29pt,30pt,31pt,32,33,34,35,36,37,38pt & 39pt Revenue village - Ulwe Survey Nos. 74pt,75pt,76pt & 77pt Revenue village - Kundawahal Survey Nos. 84pt by City & Industrial Development Corporation of Maharashtra Ltd. (CIDCO)

Representative of PP was present during the meeting along with environmental consultant Aditya Environmental Services Pvt. Ltd.

PP submitted their application for Environment Clearance for total plot area of 4,39,200 sq.m., Total BUA of 20,29,000 Sq. Mtrs. The proposed project is for area development in Pushpak Node at Navi Mumbai, to the south of Navi Mumbai International Airport. Proposal is an area development project and will include commercial, hospitality, public, semi-public, residential and social infrastructure and support activities, parking, etc.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

After discussion, ToR presented by PP was approved with following additional ToR in the same:

Specific Conditions by SEAC:

1) PP to lay 60 mt arterial roads from amra marg to NH4 via SH54 as DP road for approach. PP to provide proper median with provision for tree plantation, Joggers track and cycling track along with road.
2) Since RG is common for all plots. RG should be 15 % of net plot area. As DCR of CIDCO provides no provision for RG in individual plots.
3) Green lungs should be equally distributed.
4) Every plot should have minimum 10% RG for area less than 5000Sq.m & 15% RG for area more than 5000Sq.m.
5) Arterial roads should be provided with Foothpath, duct for utility services like telecom, electricity etc should be given along the length & across the road at the interval of 50 m.
6) Footpath should be with perforated garden pavers at adequate interval.
7) Solar streetlights, solar pumps should be provided for irrigation of roadside plantation. Treated waste water should be used by roadside plantation.
8) PP to submit court order anf NGT orders on hill cutting for residential development to ensure that there is no contempt of court orders.
9) PP to submit report on Impact of hill cutting on environmental aspects of the area by ecological expert and permissions from the competent authority.
10) PP to submit detail calculation & plan for STP, OWC considering the Residential, commercial & floating population as a total population.
11) PP to provide centralised STPs with dual pumping to enable reuse of treated waste water.
12) PP to provide community toilets with overhead tank & solar lights.
13) PP to provide recycling centres for E-waste & Plastic waste
14) PP to submit calculations & designs storm water drain & sewer lines along with flood management plan.
15) PP to submit green landscape plan
16) PP to submit measures to reduce the heat island effect.
17) PP to provide public parking tower considering the total population during working hours.
18) PP to submit project specific DMP.
19) PP to submit Debris management plan.
20) PP may explore the option of architectural control to maintain the uniformity in the area matching with the surrounding landscape.
21) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above.

FINAL RECOMMENDATION

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

SEAC Meeting number: 76 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Proposed Redevelopment Of Worli BDD Chawl at CTS No. 1539 & 1540, Village Lower Parel, Worli, Mumbai 400018 (Phase I)

Is a Violation Case: No

General Information:

1.Name of Project	Proposed Redevelopment Of Worli BDD Chawl at CTS No. 1539 & 1540, Village Lower Parel, Worli, Mumbai 400018 (Phase I)
2.Type of institution	Government
3.Name of Project Proponent	Mumbai House and Development Board (MHADA)
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	MHADA
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	CTS no. 1539 & 1540
9.Taluka	Mumbai
10.Village	Lower Parel
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Application has been made for IOD
	IOD/IOA/Concession/Plan Approval Number: Application has been made for IOD
	Approved Built-up Area: 139164.15
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	---
15.Total Plot Area (sq. m.)	221424.81 sq.m.
16.Deductions	72659.58 sq.m.
17.Net Plot area	148765.26 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1133515372 sq.m. Phase I 139164.15 sq.m.
	b) Non FSI area (sq. m.): 1233468.22 sq.m. (Phase I 92616.37)
	c) Total BUA area (sq. m.): 2366983.94 sq.m. Phase I 139164.15 sq.m.
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	122867.84 sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	82 % on net plot, 55% on Gross Plot
21.Estimated cost of the project	5120000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sector 1- 2 bldg	3B+1GR+1P+22Flr	69 - 90
2	Sector 3- 3 bldg	3B+1GR+1P+22Flr	69 - 90
3	Transit - 6 bldg	G+7	69 - 90

23.Number of tenants and shops	Sector 1 Residential 220+ Shop 13, Sector Residential 264+ Shop 18, Transit Camp Residential 720
24.Number of expected residents / users	Sector 1 - 1139, Sector 3 - 1374, Transit Camp- 3600
25.Tenant density per hectare	276
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Minimum 18.30 m wide road to 27.45 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Existing buildings are to be demolished
30.Details of the demolition with disposal (If applicable)	Demolition of existing building will be undertaken. Demolition waste generated will disposed to landfill as per approved debris management plan

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	Sector 1 - 99.78, Sector 3 - 119.88, Transit Camp - 32
	Recycled water - Flushing (CMD):	Sector 1 - 50.48, Sector 3 - 60.75, Transit Camp -162
	Recycled water - Gardening (CMD):	Sector 1 - 27.75, Sector 3 - 14.74, Transit Camp -0.75
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	Sector 1 - 150.26, Sector 3 - 180.63, Transit Camp - 48
	Fire fighting - Underground water tank(CMD):	Sector 1 - 300, Sector 3 - 1200, Transit Camp - 1200
	Fire fighting - Overhead water tank(CMD):	Sector 1 - 60, Sector 3 - 240, Transit Camp - 240
	Excess treated water	Sector 1 - 3.51, Sector 3 - 22.78, Transit Camp - 101.6

Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	Sector 1 - 79.78, Sector 3 - 89.88, Transit Camp - 264
	Recycled water - Flushing (CMD):	Sector 1 - 50.48, Sector 3 - 60.75, Transit Camp - 162
	Recycled water - Gardening (CMD):	Sector 1 - 00, Sector 3 - 00, Transit Camp - 00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	Sector 1 - 130.26, Sector 3 - 150.63, Transit Camp - 426
	Fire fighting - Underground water tank(CMD):	Sector 1 - 00, Sector 3 - 00, Transit Camp - 00
	Fire fighting - Overhead water tank(CMD):	Sector 1 - 00, Sector 3 - 00, Transit Camp - 00
	Excess treated water	Sector 1 - 31.26, Sector 3 - 37.51, Transit Camp - 102.38
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4 m
	Size and no of RWH tank(s) and Quantity:	Sector 1 - 2 No. x 4 mx 1.5 m x 2 m, Sector 3 - 3 No. x 4 mx 1.5 m x 2 m, Transit camp - 6No. x 4 mx 1.5 m x 2 m
	Location of the RWH tank(s):	Sector 1 - Podium, Sector 3 - Podium, Transit camp - Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Sector 1 - 4.32 Lakhs, Sector 3 - 6.48 Lakhs, Transit camp - 12.96 Lakhs
	Budgetary allocation (O & M cost) :	Sector 1 - 0.65 Lakhs, Sector 3 - 0.97 Lakhs, Transit camp - 1.94 Lakhs
	Details of UGT tanks if any :	Sector 1 Size of Domestic 3.35 M x 4.8 M x 3 M # 2 Nos Size of Flushing 7.5 M x 1.2 M x 3 M # 2 Nos Sector 3 Size of Domestic 3.35 M x 4.8 M x 3 M # 3 Nos Size of Flushing 7.5 M x 1.2 M x 3 M # 3 Nos Transit Camp Size of Domestic 3.35 M x 4.8 M x 3 M # 6 Nos Size of Flushing 7.5 M x 1.2 M x 3 M # 6 Nos
35.Storm water drainage	**Natural water drainage pattern:**	NA
	Quantity of storm water:	Sector 1-1424.88 cum/hr, Sector 3 - 854.57 cum/hr, Transit Camp - 115.13 cum/hr
	Size of SWD:	Sector 1- 600 Dia RCC Hume Pipe, Sector 3 - 600 Dia RCC Hume Pipe, Transit Camp - 600 Dia RCC Hume Pipe
Sewage and Waste water	**Sewage generation in KLD:**	Sector 1-128, Sector 3 - 154, Transit Camp - 69
	STP technology:	MBBR
	Capacity of STP (CMD):	Sector 1- 1 Nos # 150 KLD , Sector 3 - 1 Nos # 150 KLD , Transit Camp - 2 Nos # 200 KLD
	Location & area of the STP:	Sector 1- At Ground Level / Area 80 Sqmt , Sector 3 - At Ground Level / Area 100 Sqmt , Transit Camp - At Ground Level / Area 60 Sqmt
	Budgetary allocation (Capital cost):	Sector 1- 38.4 Lakhs , Sector 3 - 38.4 Lakhs, Transit Camp - 102..4 Lakhs
	Budgetary allocation (O & M cost):	Sector 1- 3.84 Lakhs , Sector 3 - 3.84 Lakhs, Transit Camp - 10.4Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	In pre-construction phase, demolition waste generated, which is disposed to landfill as per approved debris management plan.
	Disposal of the construction waste debris:	Scrap material sold to authorised vendor.
Waste generation in the operation Phase:	**Dry waste:**	Sector 1- 227.8 kg/day, Sector 3 - 274.8 kg/day, Transit Camp - 120 kg/day
	Wet waste:	Sector 1- 341.7 kg/day, Sector 3 - 412.2 kg/day, Transit Camp - 180 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sector 1- 15.33 kg/day, Sector 3 - 18.42 kg/day, Transit Camp - 8.26 kg/day

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorize recycler
	Wet waste:	Will be treated in OWC to get manure.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	Sector 1- 25 sq.m, Sector 3 - 40 sq.m, Transit Camp - 12 sq.m
	Area for machinery:	Sector 1- 40 sq.m, Sector 3 - 40 sq.m, Transit Camp - 25 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Sector 1- 17.26 Lakhs , Sector 3 - 20.82 Lakhs, Transit Camp - 9.09 Lakhs
	O & M cost:	Sector 1- 1.73 Lakhs , Sector 3 - 2.08 Lakhs, Transit Camp - 0.91 Lakhs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	Sector 1- 3700 sq.m., Sector 3 - 1965 sq.m., Transit Camp - 100 sq.m.
	No of trees to be cut :	6
	Number of trees to be planted :	Sector 1- 200., Sector 3 - 160, Transit Camp - NA
	List of proposed native trees :	Cassia fistula , Pongamia pinnata , Mimusops elengi , Azadiracta indica , Magnifera indica
	Timeline for completion of plantation :	Within one year of project implementation

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	Sita Ashok	Saraca asoka	40	Shady tree with red-yellow flowers.
2	Bhava	Cassia fistula	40	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
3	Karanj	Pongamia pinnata	40	Shady tree.
4	Bakul	Mimusops elengi	40	Shady tree, small white fragrant flowers
5	Neem	Azadiracta indica	40	Large tree, good for roadside plantation
6	Mango	Magnifera indica	40	Fruit bearing tree, Bird attracting
7	Kadam	Anthocephalus cadamba	40	Shady, large tree, ball shaped flowers
8	Apta	Bauhinia racemosa	40	Small tree with small white flowers, Butterfly host plant
9	Kunti	Murraya Paniculata	40	Small tree, Fragrant white flowers, Butterfly host plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	BEST
	During Construction Phase: (Demand Load)	250 kVA
	DG set as Power back-up during construction phase	150 kVA
	During Operation phase (Connected load):	Sector 1- 2836 kW., Sector 3 - 2827 kW, Transit Camp - 1506 kW
	During Operation phase (Demand load):	Sector 1- 1509 kW., Sector 3 - 1293 kW, Transit Camp - 815 kW
	Transformer:	Sector 1- 2 No. x 630 kVA, Sector 3 -2 No. x 630 kVA, Transit Camp - 2 No. x 500 kVA
	DG set as Power back-up during operation phase:	Sector 1- 2 No. x 750 kVA, Sector 3 -1 No. x 630 kVA & 1 No. 500 kVA, Transit Camp - 2 No. x 160 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar PV cells will be provided

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Cells Sector 1	200 Watt x 108 No. of panels
2	Solar PV Cells Sector 3	200 Watt x 91No. of panels
3	Solar PV Cells Transit	200 Watt x 335 No. of panels

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:**	Sector 1- 26.93 Lakh., Sector 3 - 22.85 Lakh, Transit Camp - 83.79 Lakh
	O & M cost:	Sector 1- 2.69 Lakh., Sector 3 - 2.28Lakh, Transit Camp - 8.38 Lakh

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading & Dust Suppression e	5
2	Environmental Monitoring	Air, Noise, Water, Biological	4
3	Sanitary Facility and Waste Water Management etc.	Sanitary Facility and Waste Water Management etc.	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	Sewage Treatment Plant	--	179.2	18.08
2	Environmental Monitoring	--	--	6
3	Rain Water Harvesting System	--	23.70	3.56
4	Solid Waste Management	--	47.17	4.72
5	Energy Saving Measures (Solar)	--	133.33	13.95
6	Green Belt Development	--	40	4
7	Occupational Health & Safety Training	--	--	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:	Separate 5 entry and 5 exit points will be provided

Parking details:	**Number and area of basement:**	3 Basement
	Number and area of podia:	1
	Total Parking area:	Sector 1- 37570.54 sq.m., Sector 3 - 24030.14 sq.m., Transit Camp - NA
	Area per car:	Sector 1- 35 sq.m., Sector 3 - 35 sq.m., Transit Camp - NA
	Area per car:	Sector 1- 35 sq.m., Sector 3 - 35 sq.m., Transit Camp - NA
	Number of 2-Wheelers as approved by competent authority:	Sector 1- 250., Sector 3 - 200, Transit Camp - NA
	Number of 4-Wheelers as approved by competent authority:	Sector 1- 914, Sector 3 - 645, Transit Camp - NA
	Public Transport:	NA
	Width of all Internal roads (m):	18.30 m and 9.0 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Proposed Redevelopment Of Worli BDD Chawl at CTS No. 1539 & 1540, Village Lower Parel, Worli, Mumbai 400018 (Phase I) by Mumbai House and Development Board (MHADA).

PP & Environment Consultant was absent during the meeting. Letter dated 26th October, 2018 submitted by Environment Consultant requesting to delist the project was taken on record, hence committee decided to delist the proposal.

DECISION OF SEAC

PP & Environment Consultant was absent during the meeting. Letter dated 26th October, 2018 submitted by Environment Consultant requesting to delist the project was taken on record, hence committee decided to delist the proposal.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

Agenda of 76th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 76 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Application for environment clearance in Proposed Residential Project at Vasind"at Plot bearing Sr. No. 114 Part,115, 116,and 120/4, Vashind , Shahapur, Thane, Maharashtra by Subal Investment & Purple Residencies

Is a Violation Case: No

1.Name of Project	"Proposed Residential Project at Vasind"at Plot bearing Sr. No. 114 Part,115, 116,and 120/4, Vashind , Shahapur, Thane, Maharashtra by Subal Investment & Purple Residencies
2.Type of institution	Private
3.Name of Project Proponent	Mr. Manoj Lalwani, Director Subal Investment & Purple Residencies
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd., F-7, Road No. 21, Wagle Estate, Thane (West)-400604, Maharashtra
5.Type of project	Residential and commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	On Plot bearing S No. 114 Part,115, 116,and 120/4 at villageVasind, Taluka Shahapur, Dist Thane
9.Taluka	Shahapur
10.Village	Vasind
11.Area of the project	Town Planning Department, Collector Office, Thane
12.IOD/IOA/Concession/Plan Approval Number	We have received Certificate of Incorporation having no 43777 of 1987
	IOD/IOA/Concession/Plan Approval Number: We have received Certificate of Incorporation having no 43777 of 1987
	Approved Built-up Area: 42776.73
13.Note on the initiated work (If applicable)	No work has been initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	39,340.00
16.Deductions	8,963.86
17.Net Plot area	30,554.82
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 42,675.10
	b) Non FSI area (sq. m.): 18,115.23
	c) Total BUA area (sq. m.): 60790
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)	Total plinth area 5,757
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	14.63
21.Estimated cost of the project	752800000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1	Ground + 7 floors	23.8
2	2	Ground + 7 floors	23.8

3	3	Ground + 7 floors	23.8
4	4	Ground + 7 floors	23.8
5	5	Ground + 7 floors	23.8
6	6	Ground + 7 Floors	23.8
7	7	Ground + 7 floors	23.8
8	8	Ground + 7 floors	23.8
9	9	Ground + 7 floors	23.8
10	Commercial Building	Ground + 1 floors	7.65

23.Number of tenants and shops	1,176 tenements & 34 Shops
24.Number of expected residents / users	6,042 users
25.Tenant density per hectare	307.89/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	DP Road 24 m wide & Internal road 6 m Wide
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m
29.Existing structure (s) if any	No
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	TMC
	Fresh water (CMD):	540
	Recycled water - Flushing (CMD):	266
	Recycled water - Gardening (CMD):	26
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	806
	Fire fighting - Underground water tank(CMD):	169
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	374
Wet season:	**Source of water**	TMC
	Fresh water (CMD):	540
	Recycled water - Flushing (CMD):	266
	Recycled water - Gardening (CMD):	14
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	806
	Fire fighting - Underground water tank(CMD):	169
	Fire fighting - Overhead water tank(CMD):	50
	Excess treated water	386
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3 m below ground level
	Size and no of RWH tank(s) and Quantity:	4 no. of rain water harvesting tank
	Location of the RWH tank(s):	underground
	Quantity of recharge pits:	Not applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Rs.24.5 lakh
	Budgetary allocation (O & M cost) :	Rs. 1.2 lakh/year
	Details of UGT tanks if any :	Domestic UGT Tank capacity: 534.05 m3 Flushing UGT Tank capacity : 283.42 m3 Fire UGT Tank capacity : 169 m3
35.Storm water drainage	**Natural water drainage pattern:**	along the road side
	Quantity of storm water:	0.1599 m3/sec
	Size of SWD:	width 300 mm * Depth 450 mm
Sewage and Waste water	**Sewage generation in KLD:**	686 m3/ day
	STP technology:	Moving Bed Bio Rector (MBBR)
	Capacity of STP (CMD):	754 m3/day
	Location & area of the STP:	on ground
	Budgetary allocation (Capital cost):	Rs.25 lakh
	Budgetary allocation (O & M cost):	Rs. 2.5 lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	14,700 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:**	595 kg/day
	Wet waste:	1,081 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	7 kg/day
	Others if any:	Inert Waste 126 kg/day

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated and disposed of to recycles.
	Wet waste:	Wet garbage will be composted and used as manure for landscaping
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	on ground
	Area for the storage of waste & other material:	Provided
	Area for machinery:	167.47 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 3.5 Lakh
	O & M cost:	Rs. 0.5 Lakh/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	4,367
	No of trees to be cut :	Nil
	Number of trees to be planted :	90
	List of proposed native trees :	provided
	Timeline for completion of plantation :	1 to 2 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca Ashoka	Ashoka	18	Flowering
2	Grevillea Robusta	Silver Oak	18	Aesthetic
3	Swieteria Macrophyla	Mahogani Tree	18	Fruit Bearing
4	Azadirachta Indica	Neem	18	Medicinal
5	Samanea Saman	Rain Tree	18	Shady
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	300 kVA
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	3,817 kW
	During Operation phase (Demand load):	4,771 kVA
	Transformer:	-
	DG set as Power back-up during operation phase:	4 nos. of DG set having total capacity is 1,290 kVA (2 Nos. * 320 kVA + 1 No. * 500 kVA+ 1 No. * 150 kVA)
	Fuel used:	As per requirement
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

CFL/T5 for parking & staircase
LED lamp for lift lobby
VFD for lift and high efficient pump
BEE certified electrical motors
Solar street lights are proposed in areas such as open space, pathways, RG etc.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar light , CFL/T5	>1%

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 40 Lakh
	O & M cost:	Rs. 3.5 Lakh/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	pH, Colour, odour, turbidity, Total hardness	1.0
2	Air & Noise Monitoring	SPM, SO2, NO2	0.8
3	Soil erosion control	Water sprinkling	1.8
4	Water Monitoring	pH, colour, odour, Turbidity, Total Hardness, Metal	1.2
5	Site Sanitation	Disinfection	1.6
6	Gardening Set up	Soil and Water	1.4
7	Disinfection - Pest Control	Disinfection	2.0
8	First Aid Facilities	First Aid Box	0.01
9	Health Check Up	monthly	1.5/year
10	Training and awareness	daily	1.0
11	Personal Protective Equipments	Safety jacket, Safety shoes, Helmate, Belt	3.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	sewage Treatment Plant	Installation of STP and Maintainance	25.0	2.5
2	Landscape Development	Plantation and Maintainance	4.5	0.5
3	Solid Waste Composting	Collection bins and OWC machine installation and maintainance	3.5	0.5

4	Rain Water Harvesting	Tank Construction And Maintanance	24.5	1.2
5	Storm Water Management	Channelization and Maintainance	30.0	2.5
6	Fire Fighting	Fire Safety Equipments and fire Safety Measures	10.0	1.0
7	Energy Conservation	Energy conservation measures	40.0	3.5
8	Environmental Monitoring	water,soil,air and Noise Monitoring	15.0	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 and 24 m wide DP Road
Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	4,706.5 m2
	Area per car:	27.5 m2
	Area per car:	27.5 m2
	Number of 2-Wheelers as approved by competent authority:	Scooter: 1,656 Nos. and Cycle 1,635 Nos.
	Number of 4-Wheelers as approved by competent authority:	20 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 a (B2)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	We already submitted project on Moef having proposal No: SIA/MH/NCP/58291/2016 on dated 10 August 2016.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	10-08-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Application for environment clearance in Proposed Residential Project at Vasind"at Plot bearing Sr. No. 114 Part,115, 116, and 120/4, Vashind, Shahapur, Thane, Maharashtra by Subal Investment & Purple Residencies.

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

PP submitted their application for Environment Clearance for total plot area of 39,340.00 Sq. Meters., Total BUA of 60790 Sq. Mtrs. and FSI area of 42,675.10 Sq. Mtrs., having maximum heights of 23.8 mtrs. The proposal was previously considered in 58th meeting of SEAC-II dated on 05/04/018.

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

DECISION OF SEAC

Committee noted that, site location is very nearer to Bhatsa River, which is the main drinking water source for Mumbai region; hence primafaci the project is not feasible at this site. After deliberation, committee decided if PP submits the remarks from Irrigation Department indicating that Construction on site is beyond high flood line or red/blue line project may be feasible. Therefore committee decided to defer the proposal for compliance of above points.

Specific Conditions by SEAC:

1) PP informed that project site is 50 mtrs away from Bhatsa River. PP to submit NOC from Chief Engineer, Konkan Division, Irrigation Department indicating that Construction on site is beyond high flood line or red/blue line as per the policy of the water resources department; indicating suitability of site for residential development.
2) PP to submit Storm water remark & Sewer line remark.
3) PP to ensure BoD of treated waste water should be less than 5 mg/lit.
4) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
5) PP informed that, for drinking water requirement they lift the water from Bhatsa River. PP to submit letter from Irrigation Department for the same & clarification from MJP. Also PP to provide water treatment plant for drinking water.
6) PP to submit site specific EMP.
7) PP informed that, the surplus treated waste water will be store in holding pond, PP to submit the details of holding pond.
8) DMP should be revised considering the disaster like non-working of STP, OWC and Flood.
9) PP & concern local authorities ensure that, project should bring to the zero discharge & total feasible solution for drinking water requirement.

FINAL RECOMMENDATION

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

Agenda of 76th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 76 **Meeting Date** October 26, 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

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

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.

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

Agenda of 76th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 76 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Proposed residential building plot no. X-21, TTC, Village Dighe, Navi Mumbai.

Is a Violation Case: No

1.Name of Project	Proposed residential building plot no. X-21, TTC, Village Dighe, Navi Mumbai.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Mahesh Patel, M/s, Pyramid Infratech Co.
4.Name of Consultant	M/s Building Environment Pvt Ltd - 4th Floor, Plot No.2, Dakshina Building, Sector 11, C.B.D Belapur, Navi Mumbai, Maharashtra 400614 Contact Number – 9930083917 |Email: sarthak@beipl.co.in, sarthak.beipl@gmail.com Web Site – www.beipl.co.in
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	NA
8.Location of the project	Lat - 19 11 62.7 N, Long - 72 59 38.33 E
9.Taluka	Thane
10.Village	Dighe
Correspondence Name:	M/s, Pyramid Infratech Co.
Room Number:	Plot No. X-21,
Floor:	---
Building Name:	Pyramid Elements
Road/Street Name:	TTC Industrial Area, Thane Belapur Road
Locality:	Dighe
City:	Navi Mumbai
11.Area of the project	Municipal Corporation in Maharashtra
12.IOD/IOA/Concession/Plan Approval Number	Approved layout in Maharashtra industrial development corporation received on date 04.08.2017
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area: 23013.348
13.Note on the initiated work (If applicable)	Construction work on the site started in the month of September 2017. A part of portion of podium slabs upto 3rd level in progress.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	6318 sqm
16.Deductions	0
17.Net Plot area	6318 sqm
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 9477
	b) Non FSI area (sq. m.): 13577.08
	c) Total BUA area (sq. m.): 23013.348
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 9436.27
	Approved Non FSI area (sq. m.): 13986.712
	Date of Approval: 04-08-2018
19.Total ground coverage (m2)	2270.772
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36%
21.Estimated cost of the project	932956554

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 building with 2 wings	G+28	88.65m
2	1 building with 2 wings	G+28	88.65m

23.Number of tenants and shops	Residential 190
24.Number of expected residents / users	896
25.Tenant density per hectare	291.23
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12m road (+3m radius)
29.Existing structure (s) if any	G+7 RCC structure to be demolished by MIDC
30.Details of the demolition with disposal (If applicable)	Demolition will be done by MIDC.Declaration letter issued by MIDC about the same. Disposal at Existing Debris Dumping Ground

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):	81.032 m3/day
	Recycled water - Flushing (CMD):	40.656 m3/day
	Recycled water - Gardening (CMD):	4.246 m3/day
	Swimming pool make up (Cum):	8.072
	Total Water Requirement (CMD) :	134.01 m3
	Fire fighting - Underground water tank(CMD):	200m3
	Fire fighting - Overhead water tank(CMD):	10m3
	Excess treated water	69 m3
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	81.032 m3/day
	Recycled water - Flushing (CMD):	40.656 m3/day
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	6.356
	Total Water Requirement (CMD) :	128.04 m3
	Fire fighting - Underground water tank(CMD):	200m3
	Fire fighting - Overhead water tank(CMD):	10m3
	Excess treated water	72.94 m3
Details of Swimming pool (If any)	Area: 142.5 cu.m The dimension of the swimming pool: 25x5.70 Total water requirement in KLD: 6.356+1.716=8.072	

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:**	NA
	Size and no of RWH tank(s) and Quantity:	90 cum 1 no
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	1500000
	Budgetary allocation (O & M cost) :	150000
	Details of UGT tanks if any :	Domestic cap: 201 m3 Firefighting cap: 200m3
35.Storm water drainage	**Natural water drainage pattern:**	The arrangement of disposal of SW through and from the plot as per the remark of SW department MCGM
	Quantity of storm water:	517.78 m3/day
	Size of SWD:	Width of trench: 550 mm, depth of trench: 350 mm
Sewage and Waste water	**Sewage generation in KLD:**	119.94 m3/day
	STP technology:	MBBR
	Capacity of STP (CMD):	125 KLD
	Location & area of the STP:	below ground
	Budgetary allocation (Capital cost):	2000000
	Budgetary allocation (O & M cost):	200000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	25 kg/day
	Disposal of the construction waste debris:	use for the levelling within the site
Waste generation in the operation Phase:	**Dry waste:**	140 kg/day
	Wet waste:	316 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	126 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handover to authorised vendor
	Wet waste:	(OWC PROVIDED OF 330 kg/day)
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	TO BE USED IN GARDEN
	Others if any:	NA
Area requirement:	**Location(s):**	Podium level
	Area for the storage of waste & other material:	40 Sq.mt
	Area for machinery:	11.39 Sq.mt
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	8,00,000
	O & M cost:	1,00,000

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	632.8 m2 i.e about 10% of the plot area (6318.00 m2)
	No of trees to be cut :	Nil
	Number of trees to be planted :	62
	List of proposed native trees :	Mimusops elengi, Nyctanthes arbor-tristis, Cassia fistula, Putranjiva raxburghi, Lagerstromia speciose, Michelia champaca, Saraca ashoka, Citrus sp, Murraya Koengii, Anthocephallus cadamba, Murraya paniculata
	Timeline for completion of plantation :	NA

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	Mimusops elengi	Bakul	10	medium size evergreen tree. beautiful white flowers
2	Nyctanthes arbor-tristis	Parijatak	5	small deciduous tree. flowers white with orange petal tube
3	Cassia fistula	Bahawa	8	small deciduous tree. flowers yellow
4	Putranjiva raxburghi	Putranjiva	2	small sized evergreen tree. beautiful greenish yellow flowers
5	Lagerstromia speciosa	Tamhan	6	small to medium sized. flowers with white to purple petals
6	Michelia champaca	Sonchafa	5	large evergreen tree. yellow flowers
7	Saraca ashoka	Seeta ashok	8	small sized evergreen tree.flowers reddish orange
8	Citrus sp	Lemon	6	butterfly host plant
9	Murraya Koengii	Curry leaf/Kadipatta	5	butterfly host plant
10	Anthocephallus cadamba	Kadamb	4	large evergreen trees. flowers creamish white
11	Murraya paniculata	Kunti	3	small tree, fragrant 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	Golden dewdrops - duranta plumieri	---	---
2	Oleander - nerium odorum	---	---
3	Paper-chase tree - mussanda clabrata	---	---
4	Bougainvillea glabra	---	---
5	Golden champak - ochna squarrosa	---	---
6	Coral creeper - antigonon leptopus	---	---

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	60 KWS
	DG set as Power back-up during construction phase	82 KVA
	During Operation phase (Connected load):	3233 KVS
	During Operation phase (Demand load):	1236 KWS
	Transformer:	3 # 630 KVA
	DG set as Power back-up during operation phase:	1 # 180 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Use of LED in the parking area, lift lobby and staircase
Using solar system in common area lightning (10%) and street/ landscape lights with LED lamps
VFD drive is proposed for all lifts

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels	36 Nos
2	Solar Hot water Panels	30 Nos

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:**	17,00,000
	O & M cost:	1,70,000

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air	Erosion control-dust suppression measures and barricading	1.0 L
2	Land	Site Sanitation	1.0 L
3	Land	Site Safety	0.50 L
4	Air, Water , Soil and Bio	Environmental Monitoring	1.0 L

5	Socio Economic	Disinfection and Health Check-up	0.25 L

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	STP	20.0 l	2,00,000
2	Solid Waste Management	OWC	8.0 L	1.0 L
3	RWH	Tank	15.0 L	1,50,000
4	Landscaping	62 trees	5.0 L	1.5
5	Environmental Monitoring	MOEF approved laboratory	---	1.0 L

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	2 podiums nos for Parking (total 4541.544 sqm)
	Total Parking area:	4231 sqm
	Area per car:	19.67 sqm
	Area per car:	19.67 sqm
	Number of 2-Wheelers as approved by competent authority:	67 nos
	Number of 4-Wheelers as approved by competent authority:	215 nos
	Public Transport:	NA
	Width of all Internal roads (m):	12
	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	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-

Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Proposed residential building plot no. X-21, TTC, Village Dighe, Navi Mumbai at Lat - 19 11 62.7 N, Long - 72 59 38.33 E, Dighe by Mr. Mahesh Patel, M/s, Pyramid Infratech Co.

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEIAA decision above.

Agenda of 76th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 76 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Environment Clearance for Vrindavan Flora- Phase- 1 ON GUT NO. 15, 16, 17/1A ,17/2 AT-CHAMBHARLI, TAL -KHALAPUR , DIST -RAIGAD

Is a Violation Case: No

1.Name of Project	Vrindavan Flora- Phase- 1 ON GUT NO. 15, 16, 17/1A ,17/2 AT-CHAMBHARLI, TAL -KHALAPUR , DIST -RAIGAD
2.Type of institution	Private
3.Name of Project Proponent	Damodar Vaman More & Others Though its POA Ashvin Laxman Patel Director of Thalia Labha Home Pvt Ltd & Partner of Thalia Labha Builders & Thalia Vastu Infra Projects
4.Name of Consultant	Building Environment India Pvt. Ltd.
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion Construction
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	At village Chambharli ,Khalapur. Gut No. 15, 16, 17/1A ,17/2
9.Taluka	Khalapur
10.Village	Chambharli
Correspondence Name:	Ashvin L. Patel- POAH
Room Number:	Shop No. 5,
Floor:	ground floor
Building Name:	Landmark
Road/Street Name:	--
Locality:	Plot No. D2, Sector-12,Kharghar
City:	Navi Mumbai - 410206
11.Area of the project	SPA MSRDC
12.IOD/IOA/Concession/Plan Approval Number	It is MMR region,DCR is under MMR region There is no provision of LOI/IOD CC is obtained after getting EC
	IOD/IOA/Concession/Plan Approval Number: Gut no. 16. MH/LNA1(B)/SR423/2011, (Dt. 10/12/2012), Gut No. 16 MSRDC/SPA/ CHAMBHARLI/ KHALAPUR/ BP03/CC/2017/268, (Dt. 27/03/2017), Gut No. 15, 16, 17/1A ,17/2 RDC/SPA/ CHAMBHARLI/ KHALAPUR/ BP126/CC/2018/554,(Dt.1/06/2018)
	Approved Built-up Area: 12725.426
13.Note on the initiated work (If applicable)	Building No. 1 construction carried out up to plinth Area = 469.995 Sq. m, Building No. 2 construction carried out up to plinth Area = 780.059 Sq. m, Building No. 3 construction completed Area = 4249.082 Sq. m, Building No. 4 construction carried out up to G+7(finishing work in progress) = 2699.808 Sq. m
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	It is MMR region,DCR is under MMR region There is no provision of LOI/IOD. CC is issued after getting EC
15.Total Plot Area (sq. m.)	16155 Sq.m
16.Deductions	531.923 Sq.m (RP road area)
17.Net Plot area	15623.077 Sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18808.751
	b) Non FSI area (sq. m.): 9515.249
	c) Total BUA area (sq. m.): 28324
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 12725.426
	Approved Non FSI area (sq. m.): 7012.516
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	3430.456

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.96%
21.Estimated cost of the project	468086720

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1	G+6	20.760
2	Building No. 2	G+9	29.400
3	Building No. 3	G+4	14.950
4	Building No. 4	G+7	23.640
5	Building No. 5	G+9	29.400
6	Clubhouse	G+1	6.600

23.Number of tenants and shops	Flats-428 Shops-00
24.Number of expected residents / users	Residential- 2140
25.Tenant density per hectare	265 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)	12 mt.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 mt.
29.Existing structure (s) if any	Building No. 1 construction carried out up to plinth Area = 469.995 Sq. m, Building No. 2 construction carried out up to plinth Area = 780.059 Sq. m, Building No. 3 construction completed Area = 4249.082 Sq. m, Building No. 4 construction carried out up to G+7(finishing work in progress) = 2699.808 Sq. m
30.Details of the demolition with disposal (If applicable)	N/A

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):	193
	Recycled water - Flushing (CMD):	96
	Recycled water - Gardening (CMD):	Gardening 9+ Car washing 0.5
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	298
	Fire fighting - Underground water tank(CMD):	As per fire NOC
	Fire fighting - Overhead water tank(CMD):	As per fire NOC
	Excess treated water	128
Wet season:	**Source of water**	MIDC
	Fresh water (CMD):	193
	Recycled water - Flushing (CMD):	96
	Recycled water - Gardening (CMD):	Gardening 0+ Car washing 0.5
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	289
	Fire fighting - Underground water tank(CMD):	As per fire NOC
	Fire fighting - Overhead water tank(CMD):	As per fire NOC
	Excess treated water	137
Details of Swimming pool (If any)	N/A	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2-3 m
	Size and no of RWH tank(s) and Quantity:	No. of Tanks = 6, Total Capacity = 50.7 Cubic Meter
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	N/A
	Size of recharge pits :	N/A
	Budgetary allocation (Capital cost) :	8 lakhs
	Budgetary allocation (O & M cost) :	0.4 lakhs
	Details of UGT tanks if any :	5 U.G Tanks for Domestic Water, total capacity = 272.65 Cubic Meter 5 U.G Tanks for Flushing Water, total capacity = 136.68 Cubic Meter 6 RWH Tank, Total Capacity = 50.7 Cubic Meter
35.Storm water drainage	**Natural water drainage pattern:**	As Per Natural Drainage Pattern
	Quantity of storm water:	--
	Size of SWD:	750 mm
Sewage and Waste water	**Sewage generation in KLD:**	260
	STP technology:	RMBR
	Capacity of STP (CMD):	No. 1, 300 KLD
	Location & area of the STP:	Underground, 150 Sq. m
	Budgetary allocation (Capital cost):	3600000
	Budgetary allocation (O & M cost):	360000
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1416 tonnes throughout construction period
	Disposal of the construction waste debris:	Construction waste will be disposed according to C&D waste rules 2016
Waste generation in the operation Phase:	**Dry waste:**	0.29 TPD
	Wet waste:	0.74 TPD
	Hazardous waste:	Waste Oil From D.G Sets
	Biomedical waste (If applicable):	N/A
	STP Sludge (Dry sludge):	0.088 TPD
	Others if any:	N/A

Mode of Disposal of waste:	**Dry waste:**	Handover to authorized vendor
	Wet waste:	OWC
	Hazardous waste:	As per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016
	Biomedical waste (If applicable):	Nil
	STP Sludge (Dry sludge):	used as manure
	Others if any:	Nil
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	40 Sq. m
	Area for machinery:	included in point no. 42.2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	18 Lakhs
	O & M cost:	3 Lakhs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	R.G Area- 1649.324 Sq. M Landscape Area-178.055 Sq. M Total-1827.379 Sq. M
	No of trees to be cut :	1
	Number of trees to be planted :	As per plot area-161, As per R.G area-83, As per replacement of cut tree- 03, Total-247
	List of proposed native trees :	As Attached
	Timeline for completion of plantation :	Plantation is carried out in construction phase

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

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

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

Serial Number	Name	C/C Distance	Area m2
1	N/A	N/A	N/A

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100kw
	DG set as Power back-up during construction phase	62.5 KVA
	During Operation phase (Connected load):	6695KVA
	During Operation phase (Demand load):	936Kva
	Transformer:	2x630KVA
	DG set as Power back-up during operation phase:	80 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NOC Attached (Gut No.16) NOC No.- EE/EHV/Panvel/ 1011

48.Energy saving by non-conventional method:

Energy saving through solar street lightening and Solar panels

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

1	Energy saving through solar street lightening and Solar panels	46KVA

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. 25,74,161.76
	O & M cost:	Rs.1.25 lakh/yr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Suspended particles	Water For Dust Suppression	2.00
2	Sanitation	Site Sanitation, Disinfection & Health Check Up	35.60
3	Environmental Monitoring	Environmental Monitoring	1.5
4	excavation/construction waste	Debris/Top soil Management	3.5
5	Health and Safety of Labourers	Health and Safety of Labourers	5
6	EMC	Environment monitoring cell	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	sewage treatment	Sewage Treatment Plant	36.00	3.6
2	Solid Waste Management	Solid Waste Management	18	3
3	Rain Water Management	Rain Water Harvesting	3	0.5
4	RG Area	Green Belt	4.5	1.15
5	Energy Saving	Energy Saving features	20	6.00
6	Fire Fighting measures	Fire Fighting measures	150	15
7	Monitoring of Environmental Parameters	Monitoring of Environmental Parameters	--	3.5
8	Environment monitoring cell	Environment monitoring cell	--	4.9

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	2731 Sq. M
	Area per car:	12.5 sq.mt
	Area per car:	12.5 sq.mt
	Number of 2-Wheelers as approved by competent authority:	Scooter - 798, Cycle - 800, Total - 1598
	Number of 4-Wheelers as approved by competent authority:	46
	Public Transport:	--
	Width of all Internal roads (m):	12 mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8B 2
	Court cases pending if any	N/A
	Other Relevant Informations	Nil

	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Environment Clearance for Vrindavan Flora- Phase- 1 ON GUT NO. 15, 16, 17/1A ,17/2 AT-CHAMBHARLI, TAL -KHALAPUR , DIST -RAIGAD by Damodar Vaman More & Others Though its POA Ashvin Laxman Patel Director of Thalia Labha Home Pvt Ltd & Partner of Thalia Labha Builders & Thalia Vastu Infra Projects.

PP- Ashwin Patel Architect- Mr. Siddharth Shirur were present during the meeting along with environmental consultant Building Environment India Pvt. Ltd.

PP submitted their application for Environment Clearance for total plot area of 16155 Sq. Meters. Total BUA of 28324 Sq. Mtrs. and FSI -18808.751 Sq. Mtrs., having maximum heights of 29.400 mtrs.

PP informed that, the earlier plan was approved is for 19,737.92Sq.m. and till date actual construction done on site is 8198.99 Sq.m. Building No. 1 & 2 construction carried out up to plinth Area and for Building No 4 (G +4) Construction is completed. PP stated that due to addition of Gut no.s 15,17/1A and 17/2 plot potential increases to 28,324 Sq.m. hence applied for expansion.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) The project considered out of turn on the basis of PMAY project. PP to submit self-declaration clearly specifying project is part of the PMAY scheme of Housing Department.
2) PP to construct PMAY portion first as project considered on priority for the said scheme.
3) PP to submit & upload the copy of acknowledgement for plan having potential of 28324 Sq.m. submitted to local planning authority.
4) PP to submit the architect certificate for construction done on site.
5) PP to follow direction given by Deputy Forest conservator, Alibag
6) PP to submit the details regarding RG area along with area beneath the High tension line.
7) PP to submit MIDC NoC for water supply.
8) Committee noted that, there is no existing sewer line, storm water line, PP to ensure that no possession shall be given before completion of the sewer lines and permission for the connection to the same by the competent authority. Local body to ensure the same. Local body to also ensure that no commencement & occupation certificate is given to the project until sewer lines and storm water is developed and connected to the project.
9) PP to submit surplus treated water disposal plan.
10) PP to submit calculation of RMC plant.
11) PP shall operate and maintain Environmental Management Facilities (EMF) including STP & fire- fighting system for 5 years after giving possession and shall also generate corpus fund for next 5 years.
12) PP to submit design of storm water drain (Size, network etc...) and also ensure that the storm water drain of project will be connects to the state high way storm water drain.
13) PP to clearly earmark the fire tender movement for each building.

FINAL RECOMMENDATION

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

Agenda of 76th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 76 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Vrindavan Flora- Phase- 2 at Gut No. 17/1B,18/1,18/2, 19,20, 21, 22,24,25 26,27,28 village Chambharli Tal-Khalapur Dist- Raigad by Sushil Bhutia & Others Though its POA Ashvin Laxman Patel Director of Thalia Labh Homemakers Pvt Ltd & Partner of Thalia Vastu Infra Projects

Is a Violation Case: No

1.Name of Project	Vrindavan Flora- Phase- 2 at Gut No. 17/1B,18/1,18/2, 19,20, 21, 22,24,25 26,27,28 village Chambharli Tal-Khalapur Dist- Raigad by Sushil Bhutia & Others Though its POA Ashvin Laxman Patel Director of Thalia Labh Homemakers Pvt Ltd & Partner of Thalia Vastu Infra Projects
2.Type of institution	Private
3.Name of Project Proponent	Ashvin L. Patel- POAH
4.Name of Consultant	Building Environment India Pvt ltd
5.Type of project	Housing
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	Not applicable
8.Location of the project	Gut No. 17/1B,18/1,18/2, 19,20, 21, 22,24,25 26,27,28 village Chambharli Tal-Khalapur Dist-Raigad
9.Taluka	Khalapur
10.Village	Chambharli
Correspondence Name:	Shop No 5, Landmark Bldg, Plot No D-2, Sector 12, Kharghar, Navi Mumbai 410210
Room Number:	Shop No 5, Landmark Bldg, Plot No D-2, Sector 12, Kharghar, Navi Mumbai 410210
Floor:	Shop No 5, Landmark Bldg, Plot No D-2, Sector 12, Kharghar, Navi Mumbai 410210
Building Name:	as above
Road/Street Name:	as above
Locality:	as above
City:	Kharghar, Navi Mumbai 410210
11.Area of the project	SPA MSRDC
12.IOD/IOA/Concession/Plan Approval Number	It is MMR region,DCR is under MMR region .There is no provision of LOI/IOD CC is obtained after getting EC
	IOD/IOA/Concession/Plan Approval Number: It is MMR region,DCR is under MMR region .There is no provision of LOI/IOD CC is obtained after getting EC
	Approved Built-up Area: 52073.772
13.Note on the initiated work (If applicable)	NIL
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	It is MMR region,DCR is under MMR region There is no provision of LOI/IOD CC is obtained after getting EC
15.Total Plot Area (sq. m.)	47305
16.Deductions	4357.852
17.Net Plot area	42947.148
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 52045.353
	b) Non FSI area (sq. m.): 33295.647
	c) Total BUA area (sq. m.): 85341
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval: 07-12-2017
19.Total ground coverage (m2)	9198.379
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	21.42

21.Estimated cost of the project	1528462000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No 1	G+9	29.4
2	Building No 2	G+9	29.4
3	Building No 3	G+9	29.4
4	Building No. 4	G+10	32.280
5	Building No. 5	G+7	23.640
6	Building No. 6	G+14	43.800
7	Building No. 7	G+7	23.640
8	Building No. 8	G+9	29.4
9	Building No. 9	G+9	29.4
10	Building No. 10	G+9	29.4
11	Building No. 11	G+9	29.4
12	Building No. 12	G+9	29.400
13	Building No. 13	G+4	14.950
14	Commercial	G+1	9.000
15	Amenity bldg.	G+4	19.800
16	Club House	G+2	13.850
17	Swimming Pool	--	--

23.Number of tenants and shops	Flats -1167 Shops-51
24.Number of expected residents / users	5835
25.Tenant density per hectare	247
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12mt. wide 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	MIDC
	Fresh water (CMD):	528KLD
	Recycled water - Flushing (CMD):	267KLD
	Recycled water - Gardening (CMD):	58KLD+Car washing 1.8
	Swimming pool make up (Cum):	2.8KLD
	Total Water Requirement (CMD) :	857KLD
	Fire fighting - Underground water tank(CMD):	as per Fire NOC
	Fire fighting - Overhead water tank(CMD):	as per Fire NOC
	Excess treated water	317
Wet season:	Source of water	MIDC
	Fresh water (CMD):	528KLD
	Recycled water - Flushing (CMD):	267KLD
	Recycled water - Gardening (CMD):	Recycled water (Gardening)0KLD+Car washing 1.8
	Swimming pool make up (Cum):	2.8KLD
	Total Water Requirement (CMD) :	799KLD
	Fire fighting - Underground water tank(CMD):	as per Fire NOC
	Fire fighting - Overhead water tank(CMD):	as per Fire NOC
	Excess treated water	375
Details of Swimming pool (If any)	Area-181.850 Sq.mt Depth-1.50 mt. Located in club house	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2-3m
	Size and no of RWH tank(s) and Quantity:	151 KL total capacity;
	Location of the RWH tank(s):	UG tanks
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	15Lakhs
	Budgetary allocation (O & M cost) :	0.75lakhs
	Details of UGT tanks if any :	Domestic:788CUM Flushing:403CUM RWH tank:151KL
35.Storm water drainage	**Natural water drainage pattern:**	As per storm water drainage work
	Quantity of storm water:	.
	Size of SWD:	750MM
Sewage and Waste water	**Sewage generation in KLD:**	715 KLD
	STP technology:	RMBR technology, 725KLD
	Capacity of STP (CMD):	1,
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	70 lakhs
	Budgetary allocation (O & M cost):	25 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	4267 tonnes through out construction period
	Disposal of the construction waste debris:	Disposed through C&D rules 2016
Waste generation in the operation Phase:	**Dry waste:**	0.81TPD
	Wet waste:	2.05 TPD
	Hazardous waste:	Waste oil from DG sets
	Biomedical waste (If applicable):	NIL
	STP Sludge (Dry sludge):	0.18TPD
	Others if any:	NIL

Mode of Disposal of waste:	**Dry waste:**	0.81TPD will be disposed through recyclers
	Wet waste:	2.05 TPD will be treated in OWC
	Hazardous waste:	waste oil from DG sets
	Biomedical waste (If applicable):	NIL
	STP Sludge (Dry sludge):	0.18TPD
	Others if any:	NA
Area requirement:	**Location(s):**	Ground floor
	Area for the storage of waste & other material:	40 sq.m
	Area for machinery:	included in point no. 42 ii
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	18 lakhs
	O & M cost:	3lakhs

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 :**	8274.292
	No of trees to be cut :	19
	Number of trees to be planted :	754
	List of proposed native trees :	Attached
	Timeline for completion of plantation :	Plantation is carried out in construction phase

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

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

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100kva
	DG set as Power back-up during construction phase	100KVA
	During Operation phase (Connected load):	10630KVA
	During Operation phase (Demand load):	2468KVA
	Transformer:	3X750KVA+1x630KVA
	DG set as Power back-up during operation phase:	100kva and 120 kva
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	(Line passing through Gut no.17/1B, 18/1, 20, 24) NOC No.- CE/EHV/PC O&M/Zone/VSH/Tech/EE/00817

48.Energy saving by non-conventional method:

Energy saving through street lighting and solar panels

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %

1	Solar street lighting and solar panels	125KVA Solar Power

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.1,23,00,000.00
	O & M cost:	5% of capital cost

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water For Dust Suppression	Water For Dust Suppression	3.00
2	Site Sanitation, Disinfection & Health Check Up	Site Sanitation, Disinfection & Health Check Up	35.60
3	Environmental Monitoring	Environmental Monitoring	2.00
4	Debris/Top soil Management	Debris/Top soil Management	3.5
5	Health and Safety of Labourers	Health and Safety of Labourers	5.00
6	Environment monitoring cell	Environment monitoring cell	5.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	Sewage Treatment Plant	70	7
2	Solid Waste Management	Solid Waste Management	18	3
3	Rain Water Harvesting	Rain Water Harvesting	3	0.5
4	Green Belt	Green Belt	4.5	1.15
5	Energy Saving features	Energy Saving features	20	6.00
6	Fire Fighting measures	Fire Fighting measures	150.0	15.00
7	Monitoring of Environmental Parameters	Monitoring of Environmental Parameters	--	3.50
8	Environment monitoring cell	Environment monitoring cell	--	4.90

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	8526.40
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	2329
	Number of 4-Wheelers as approved by competent authority:	180
	Public Transport:	nil
	Width of all Internal roads (m):	12mt and 15 mt
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NIL
	Category as per schedule of EIA Notification sheet	8B2
	Court cases pending if any	Yes.Details are attached
	Other Relevant Informations	NIL

	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-
Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Vrindavan Flora- Phase- 2 at Gut No. 17/1B,18/1,18/2, 19,20, 21, 22,24,25 26,27,28 village Chambharli Tal-Khalapur Dist- Raigad by Sushil Bhutia & Others Though its POA Ashvin Laxman Patel Director of Thalia Labh Homemakers Pvt Ltd & Partner of Thalia Vastu Infra Projects.

PP- Ashwin Patel Architect- Mr. Siddharth Shirur was present during the meeting along with environmental consultant Building Environment India Pvt. Ltd.

PP submitted their application for Environment Clearance for total plot area of 47305 Sq. Meters., Total BUA of 85341 Sq. Mtrs. and FSI area of 52045.353 Sq. Mtrs., having maximum heights of 43.800 mtrs.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) The project considered out of turn on the basis of PMAY project. PP to submit self-declaration clearly specifying project is part of the PMAY scheme of Housing Department.
2) PP to construct PMAY portion first as project considered on priority for the said scheme.
3) PP to submit & upload the copy of acknowledgement for plan submitted to local planning authority.
4) PP to submit Ventilation analysis, Shadow analysis, wind analysis report.
5) PP to submit Fire NoC.
6) PP to submit detail information regarding water requirement,
7) PP to submit detail information regarding sewage generation & disposal
8) PP to submit detail energy calculation.
9) PP to submit the details regarding RG area along with area beneath the High tension line.
10) PP to submit MIDC NoC for water supply.
11) Committee noted that, there is no existing sewer line, storm water line, PP to ensure that no possession shall be given before completion of the sewer lines and permission for the connection to the same by the competent authority. Local body to ensure the same. Local body to also ensure that no commencement & occupation certificate is given to the project until sewer lines and storm water is developed and connected to the project.
12) PP to submit surplus treated water disposal plan.
13) PP shall operate and maintain Environmental Management Facilities (EMF) including STP & fire- fighting system for 5 years after giving possession and shall also generate corpus fund for next 5 years.
14) PP to submit design of storm water drain (Size, network etc...) and also ensure that the storm water drain of project will be connects to the state high way storm water drain.
15) PP to clearly earmark the fire tender movement for each building.

FINAL RECOMMENDATION

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

Agenda of 76th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 76 **Meeting Date** October 26, 2018

Subject: Environment Clearance for Proposed "Synergy Commercial complex"

Is a Violation Case: No

1.Name of Project	Synergy Commercial complex"
2.Type of institution	Private
3.Name of Project Proponent	Shakti Commercial Premises Soc. Ltd
4.Name of Consultant	Aditya Environmental Services Pvt. Ltd.
5.Type of project	Commercial complex"
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot no.1 A, Sector 19 D, Vashi, Navi Mumbai
9.Taluka	Navi Mumbai
10.Village	Vashi
Correspondence Name:	Mr. Raj Shah
Room Number:	401
Floor:	Above Axis Bank
Building Name:	Sai Heirtage
Road/Street Name:	Tilak Road,
Locality:	Tilak Road,
City:	Mumbai- 400077
11.Area of the project	Navi Mumbai Municipal Corporation.
12.IOD/IOA/Concession/Plan Approval Number	NOT APPLICABLE
	IOD/IOA/Concession/Plan Approval Number: NOT APPLICABLE
	Approved Built-up Area: 12064
13.Note on the initiated work (If applicable)	NOT APPLICABLE
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NOT APPLICABLE
15.Total Plot Area (sq. m.)	8,042.70
16.Deductions	0
17.Net Plot area	8,042.70
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12,064
	b) Non FSI area (sq. m.): 35,803.87
	c) Total BUA area (sq. m.): 47867.87
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)	5585.79
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	69.4
21.Estimated cost of the project	700000000

22.Number of buildings & its configuration

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

1	Commercial & 1	Basement + Ground + 1st to 3rd Podium level parking + 4th to 16th UF floors	69.95

23.Number of tenants and shops	Shops - 50, Offices - 259
24.Number of expected residents / users	3020
25.Tenant density per hectare	3754
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	11 M
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 M
29.Existing structure (s) if any	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):	39
	Recycled water - Flushing (CMD):	122.10
	Recycled water - Gardening (CMD):	4.80
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	165.51
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	3.70

Wet season:	**Source of water**	NMMC
	Fresh water (CMD):	39
	Recycled water - Flushing (CMD):	122.10
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	160.71
	Fire fighting - Underground water tank(CMD):	200
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	8.5
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.00 m to 3.50 m
	Size and no of RWH tank(s) and Quantity:	1 no. x 76 cu.m
	Location of the RWH tank(s):	Basement floor
	Quantity of recharge pits:	0
	Size of recharge pits :	0
	Budgetary allocation (Capital cost) :	Rs. 20.50 Lacs
	Budgetary allocation (O & M cost) :	Rs. 4.10 Lacs/annum
	Details of UGT tanks if any :	Location(s) of the UGT tank(s): Ground level Details of UG tanks: Fire Tank – 200 kld, Domestic tank – 34.50 kld, Flushing Tank – 88.00 kld

35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage pattern will be maintained.
	Quantity of storm water:	will be designed as per maximum rainfall
	Size of SWD:	450 mm x 450 ~ 830 mm
Sewage and Waste water	**Sewage generation in KLD:**	136.50
	STP technology:	MBBR
	Capacity of STP (CMD):	1 NO. AND 150 CMD
	Location & area of the STP:	STP below ramp
	Budgetary allocation (Capital cost):	Rs. 60.50 Lacs
	Budgetary allocation (O & M cost):	Rs. 3.60 Lacs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	All Excavated earth of shall be used for backfilling on site.
	Disposal of the construction waste debris:	Debris generated during construction phase will be collected at one place and will be disposed off to NMMC approved land filling sites.
Waste generation in the operation Phase:	**Dry waste:**	272
	Wet waste:	332
	Hazardous waste:	0
	Biomedical waste (If applicable):	0
	STP Sludge (Dry sludge):	82
	Others if any:	0
Mode of Disposal of waste:	**Dry waste:**	segregation and sale of recyclables, inerts to approved landfill site.
	Wet waste:	Organic Waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	mix with wet waste and convert that into compost
	Others if any:	NA
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	44 Sq. m.
	Area for machinery:	INCLUDING AREA FOR MACHINERY
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 3.00 LACS
	O & M cost:	Rs. 0.60 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 :	1156
No of trees to be cut :	0
Number of trees to be planted :	80
List of proposed native trees :	ATTACHED AS ANNEXURE I
Timeline for completion of plantation :	4 YEARS FROM START OF CONSTRUCTION

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

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

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

Serial Number	Name	C/C Distance	Area m2
1	ATTACHED AS ANNEXURE I	ATTACHED AS ANNEXURE I	ATTACHED AS ANNEXURE I

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	62.5 KVA
	DG set as Power back-up during construction phase	62.5 kVA
	During Operation phase (Connected load):	3886 KW
	During Operation phase (Demand load):	2145 KW
	Transformer:	5 Nos of 630 kVA
	DG set as Power back-up during operation phase:	1 x 200 KVA & 1 x 125 kVA
	Fuel used:	HSD / Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Energy savings measures:
• Using Solar PV Panels
• Using regenerative type of lifts system
• Using ventilation fans with VFD
• Using inverter based VRV system
• Using water pumps for Energy Meter for monitoring
Detail calculations & % of saving:
Providing PV panels 1 % of maximum Demand Load 21.45
Providing 6 kWP it will 24 kWH

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Using Solar PV Panels, Using regenerative type of lifts system , ng ventilation fans with VFD, Using inverter based VRV system , Using water pumps for Energy Meter for monitoring	Providing PV panels 1 % of maximum Demand Load 21.45 Providing 6 kWP it will 24 kWH

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. 10.50 Lacs
	O & M cost:	Rs. 1.05 Lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Debris/Top soil Management	NA	3.00
2	Toilets for labour + drinking water + first aid arrangement	NA	1.5
3	Health and Safety of Labourers	NA	5.00
4	Monitoring of Environmental Parameters	NA	2.00
5	Environment monitoring cell	NA	2.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	NA	60.50	0.45 / Month
2	Solid Waste Management	NA	3.00	0.60
3	Rain Water Harvesting	NA	20.50	4.10
4	Green Belt	NA	1.00	0.20
5	Energy saving features + Solar Water Heater/ Solar Power	NA	10.50	1.05
6	Fire Fighting measures	NA	150.00	30
7	Monitoring of Environmental Parameters	NA	0	2.50
8	ENVIRONMENT MONITORING CELL	NA	0	3.15

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:	0
Parking details:	**Number and area of basement:**	0
	Number and area of podia:	3 Nos. & 4425 Sq.m
	Total Parking area:	5100 Sq.m
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	28
	Number of 4-Wheelers as approved by competent authority:	286
	Public Transport:	NIL
	Width of all Internal roads (m):	6 M
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	0
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Environmental Impacts of the project	-
Water Budget	-
Waste Water Treatment	-
Drainage pattern of the project	-

Ground water parameters	-
Solid Waste Management	-
Air Quality & Noise Level issues	-
Energy Management	-
Traffic circulation system and risk assessment	-
Landscape Plan	-
Disaster management system and risk assessment	-
Socioeconomic impact assessment	-
Environmental Management Plan	-
Any other issues related to environmental sustainability	-

Brief information of the project by SEAC

Environment Clearance for Proposed "Synergy Commercial complex" at Plot no.1 A, Sector 19 D, Vashi, Navi Mumbai by Shakti Commercial Premises Soc. Ltd.

Matter was postpone on the request made by PP vide letter dated 26/10/2018; hence the project is deferred.

DECISION OF SEAC

Matter was postpone on the request made by PP vide letter dated 26/10/2018; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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