

Agenda of 101th SEAC-2 Day-2 meeting held on 31st May, 2019


SEAC Meeting number: 101 (Day-2) Meeting Date May 31, 2019

Subject: Environment Clearance for Proposed Redevelopment of Police Staff Quarters on Plot Bearing C.T.S. No. 258/A, Aarey Village (SRPF) at Goregaon (East), Mumbai.

Is a Violation Case: No

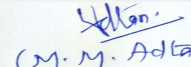
1.Name of Project	Proposed Redevelopment of Police Staff Quarters on Plot Bearing C.T.S. No. 258/A, Aarey Village (SRPF) at Goregaon (East), Mumbai.
2.Type of institution	Government
3.Name of Project Proponent	Maharashtra State Police Housing & Welfare Corporation Limited. Mumbai
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	Housing 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	NA
8.Location of the project	C.T.S. No. 258/A, Aarey Village (SRPF) at Goregaon (East), Mumbai.
9.Taluka	Goregaon
10.Village	Aarey village
Correspondence Name:	Maharashtra State Police Housing & Welfare Corporation Limited. Mumbai
Room Number:	NA
Floor:	NA
Building Name:	Maharashtra State Police Housing & Welfare Corporation Limited.
Road/Street Name:	Sir Pochkhanwala Road
Locality:	Near Police Officers, Mess Worli.
City:	Mumbai
11.Area of the project	The project comes under Municipal Corporation of Greater Mumbai (MCGM).
12.IOD/IOA/Concession/Plan Approval Number	Applied IOD/IOA/Concession/Plan Approval Number: Applied Approved Built-up Area: 43347.06
13.Note on the initiated work (If applicable)	Not yet started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	95,987.97 sq.mt.
16.Deductions	Deduction for internal road - 18,699.90 sq.mt.
17.Net Plot area	77,288.07 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 43,347.06 sq.mt. b) Non FSI area (sq. m.): 36,210.23 sq.mt. c) Total BUA area (sq. m.): 79557.29
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Applied Approved Non FSI area (sq. m.): Applied Date of Approval:
19.Total ground coverage (m2)	12,323.21 sq.mt
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	12.84 %
21.Estimated cost of the project	2170000000

22.Number of buildings & its configuration


Mr. Surykant Nikam
(Secretary SEAC-II)

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(M. M. Adtani)
Shri M.M.Adtani (Chairman
SEAC-II)


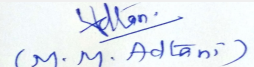
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No.1	Ground +1st to 12th Floor	40.65
2	Building No.2	Ground +1st to 8th Floors	28.65
3	Building No.3 With A, B, C, D, E Wing	Ground +1st Podium+ 1st to 20th Floors	68.60
4	Building No.4 (Club House)	Ground Floor	4.35
5	Site Office	Ground Floor	3.45

23.Number of tenants and shops	Total Residential Tenements - 620 nos.
24.Number of expected residents / users	Total Residents - 3100 nos.
25.Tenant density per hectare	65 Tenant Per Hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18.30 mt.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	14 mt.
29.Existing structure (s) if any	7 Buildings to be demolished.
30.Details of the demolition with disposal (If applicable)	3400 Cu. M of demolition debris shall be disposed as per debris management plan.


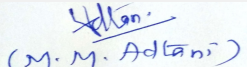
31.Production Details

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

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Dry season:	Source of water	MCGM								
	Fresh water (CMD):	280								
	Recycled water - Flushing (CMD):	141								
	Recycled water - Gardening (CMD):	103								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	524								
	Fire fighting - Underground water tank(CMD):	575								
	Fire fighting - Overhead water tank(CMD):	155								
	Excess treated water	97								
Wet season:	Source of water	MCGM								
	Fresh water (CMD):	280								
	Recycled water - Flushing (CMD):	141								
	Recycled water - Gardening (CMD):	NA								
	Swimming pool make up (Cum):	NA								
	Total Water Requirement (CMD) :	421								
	Fire fighting - Underground water tank(CMD):	575								
	Fire fighting - Overhead water tank(CMD):	155								
	Excess treated water	200								
Details of Swimming pool (If any)	NA									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	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	

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	15 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	23 nos.
	Size of recharge pits :	Area - 9 sq.mt and Depth - 3 m
	Budgetary allocation (Capital cost) :	60.72 Lakhs.
	Budgetary allocation (O & M cost) :	3 Lakhs/Year
Details of UGT tanks if any :	Building No.1 : Fire fighting water tank -75cu.m; Domestic water tank -18cu.m; Flushing water tank - 09cu.m Building No.2 : Domestic water tank -18cu.m; Flushing water tank - 09cu.m Building No.3 (Wing A) : Fire fighting water tank -200 cu.m; Domestic water tank -156 cu.m; Flushing water tank - 80 cu.m Building No.3 (Wing D) : Fire fighting water tank -300 cu.m; Domestic water tank -234 cu.m; Flushing water tank - 120 cu.m	
35.Storm water drainage	Natural water drainage pattern:	As per contour
	Quantity of storm water:	Storm-water is designed for 50mm/hr for entire plot.
	Size of SWD:	Catch basin with pipe drain is proposed for storm-water, sizing will vary along length of drain.
Sewage and Waste water	Sewage generation in KLD:	379
	STP technology:	Phytorid
	Capacity of STP (CMD):	1 STP of 650 kld and 1 STP of 75 kld
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	86.71 Lakhs
	Budgetary allocation (O & M cost):	9 Lakhs/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction debris quantity: 1200 cu. m , Excavated materials quantity : 73400 cu. m
	Disposal of the construction waste debris:	Construction debris 1200 cu. m and excavation material 49700 cu. m shall be partly reused on site and remaining 23700 cu. m shall be disposed of by covered trucks to the authorized sites.
Waste generation in the operation Phase:	Dry waste:	620 kg/day
	Wet waste:	930 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	38 kg.
	Others if any:	NA
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Mode of Disposal of waste:	Dry waste:	Wastes will be handed over to authorized agency/recycler
	Wet waste:	Waste will be process in Organic Waste Converter and compost will be used as manure for gardening
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure for gardening
	Others if any:	NA
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	40 sq.mt
	Area for machinery:	10 sq.mt
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	18.65 Lakhs
	O & M cost:	6.20 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

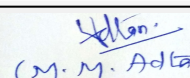
40.Details of Fuel to be used

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		


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43.Green Belt Development	Total RG area :	20,574.57 sq.mt (On Ground -16,945.80 sq.mt + On Podium -3,628.77 sq.mt)
	No of trees to be cut :	Will be provided during presentation
	Number of trees to be planted :	1200 nos.
	List of proposed native trees :	Apta, Bhava, Son chapa, Bakul, Kadam, Sita Ashoka, Neem, Mango
	Timeline for completion of plantation :	2 Years

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

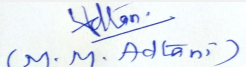
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia racemosa	Apta	200	Small tree with small white flowers, butterfly host plant
2	Cassia fistula	Bhava	200	Medium sized deciduous tree, beautiful yellow flowers, Butterfly host plant
3	Michalia champaca	Son Chapa	200	Medium sized evergreen tree, fragrant yellow flowers, butterfly host plant
4	Mimusops elengi	Bakul	150	Shady tree, small white fragrant flowers
5	Anthocephallus cadamba	Kadam	150	Shady, large deciduous tree, fast growing graceful tree, ball shaped flowers
6	Saraca asoka	Sita Ashoka	150	Shady tree with red yellow flowers
7	Azadiracta indica	Neem	100	Large tree, good for roadside plantation
8	Magnifera indica	Mango	50	Fruits bearing tree

45.Total quantity of plants on ground

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

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

47.Energy

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Power requirement:	Source of power supply :	Reliance Energy
	During Construction Phase: (Demand Load)	347 KW
	DG set as Power back-up during construction phase	250 KVA
	During Operation phase (Connected load):	10877.46 KW
	During Operation phase (Demand load):	3475.19 KW
	Transformer:	1 x 500 KVA + 5 x 1000 KVA
	DG set as Power back-up during operation phase:	1 x 650 KVA +1 x 500 KVA +1 x 250 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

- 1) Common area lighting is LED
- 2) Solar PV cells for common area lighting.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving by using LED light in common area	0.92 %
2	Energy saving by Solar PV cell	4 %

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:	149.04 Lakhs
	O & M cost:	1.49 Lakh

51. Environmental Management plan Budgetary Allocation

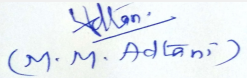
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air and Noise	Site Barricading and Dust Control Measures	5
2	Water	Tanker Water For Construction And Waste Water Management	6
3	Solid waste	Construction Waste Management	4


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4	Occupation Health and safety	Health Checkup of Workers, Disinfection at Site, First Aid Facility, Personal Protective Equipment	5
5	Environmental Monitoring	Air, Noise, Water, Biological	7

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 no. of STP of capacity 650 kld and 1 no. of STP of capacity 75 kld	86.71	9.00
2	Rainwater Harvesting System	23 nos. of recharge pits	60.72	3.00
3	Solid Waste Management	OWC, Manpower and colored dustbins	18.65	6.20
4	Green Belt Development	Landscaping and tree plantation	30.00	6.00
5	Energy Saving Measures	LED lights and Solar PV cells for common area lighting	149.04	1.49

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


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

52.Any Other Information

No Information Available

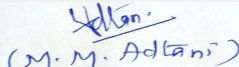
53.Traffic Management

Nos. of the junction to the main road & design of confluence:	One no. of 16.50 mt wide road. One no. of 13.60 mt wide road.
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Parking details:	Number and area of basement:	NA
	Number and area of podia:	1 Podium in Building No.3 Area of podium - 5,654.31 sq.mt.
	Total Parking area:	11,413.33 sq.mt.
	Area per car:	28.60 sq. mt.
	Area per car:	28.60 sq. mt.
	Number of 2-Wheelers as approved by competent authority:	287 nos.
	Number of 4-Wheelers as approved by competent authority:	399 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	3.00 km from Sanjay Gandhi National Park
	Category as per schedule of EIA Notification sheet	8a (B2) Category
	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

Summorisred in brief information of Project as below.


Brief information of the project by SEAC

DECISION OF SEAC

PP was absent, however PP submitted the letter regarding his absence; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

 Mr. Surykant Nikam (Secretary SEAC-II)	SEAC Meeting No: 101 (Day-2) Meeting Date: May 31, 2019	Page 9 of 86	 Shri M.M.Adtani (Chairman SEAC-II)
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SEAC-II decided to defer the proposal. Kindly find SEAC decision above.

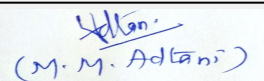
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Shri M.M.Adtani (Chairman
SEAC-II)


Agenda of 101th SEAC-2 Day-2 meeting held on 31st May, 2019

SEAC Meeting number: 101 (Day-2) Meeting Date May 31, 2019

Subject: Environment Clearance for Proposed Residential cum Commercial project on plot bearing CTS Nos. 3019, 3256, 3464 pt, 3466 pt, 3588 pt, 3592, 3598 pt, 3599 pt, 3657 to 3664, 3667 pt to 3669 pt, 3670 pt, 3671 to 3675, 3750 to 3756 at village:- Mire (Mahajanwadi); Tal & Dist - Thane by ZIRCON INFRASTRUCTURE LLP

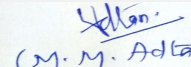
Is a Violation Case: No

1.Name of Project	ZIRCON INFRASTRUCTURE LLP
2.Type of institution	Private
3.Name of Project Proponent	Mr. Aditya V Mirchandani
4.Name of Consultant	Dr. D. A. Patil, Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	On plot bearing CTS Nos. 3019, 3256, 3464 pt, 3466 pt, 3588 pt, 3592, 3598 pt, 3599 pt, 3657 to 3664, 3667 pt to 3669 pt, 3670 pt, 3671 to 3675, 3750 to 3756 at village:- Mire (Mahajanwadi); Tal & Dist - Thane by ZIRCON INFRASTRUCTURE LLP
9.Taluka	Thane
10.Village	Mire (Mahajanwadi)
Correspondence Name:	Zircon Infrastructure LLP
Room Number:	505/506
Floor:	5th
Building Name:	Shalimar morya park
Road/Street Name:	New Link Road
Locality:	-
City:	Andheri (W), Mumbai - 400053
11.Area of the project	Mira Bhayander Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	662/2018-19 DT: 04/05/2018 IOD/IOA/Concession/Plan Approval Number: 662/2018-19 DT: 04/05/2018 Approved Built-up Area: 6514.76
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	8673.43 m2
16.Deductions	1361.73 m2
17.Net Plot area	7311.7 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 19057.42 m2
	b) Non FSI area (sq. m.): 13114.57 m2
	c) Total BUA area (sq. m.): 32171.99
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 6,514.76 m2
	Approved Non FSI area (sq. m.): 5,006.41 m2
	Date of Approval: 04-05-2018
19.Total ground coverage (m2)	1,508.83 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.63 %
21.Estimated cost of the project	800000000


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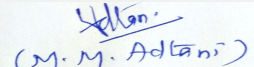
22. Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	BLDG.NO-1(WING -A&B)	S+22 FLR.	69.95
2	BLDG.NO.-2	S+15 FLR.	48.95
3	BLDG.NO.-3(HALL)	G+1 FLR.	8.70
23.Number of tenants and shops	No of tenants: 455 Nos. Commercial Area: 284.90 m2 Club house: 163.56 m2		
24.Number of expected residents / users	2314 Nos.		
25.Tenant density per hectare	650/Ha		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	The project site is accessed by 60 m wide DP Road (National Highway -8)		
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	Defunct Godown will be demolished.		
30.Details of the demolition with disposal (If applicable)	Total demolition disposal quantity is 100 m3		

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

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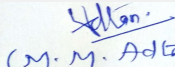
Dry season:	Source of water	MBMC							
	Fresh water (CMD):	206							
	Recycled water - Flushing (CMD):	103							
	Recycled water - Gardening (CMD):	9							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	309							
	Fire fighting - Underground water tank(CMD):	As per CFO NOC							
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC							
	Excess treated water	174							
Wet season:	Source of water	MBMC							
	Fresh water (CMD):	173							
	Recycled water - Flushing (CMD):	103							
	Recycled water - Gardening (CMD):	-							
	Swimming pool make up (Cum):	-							
	Total Water Requirement (CMD) :	309							
	Fire fighting - Underground water tank(CMD):	As per CFO NOC							
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC							
	Excess treated water	183							
Details of Swimming pool (If any)	NA								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Ground water table at depth of 3 to 4 m
	Size and no of RWH tank(s) and Quantity:	Well is existing on site & same we will recharge with rainwater.
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	-
	Budgetary allocation (O & M cost) :	0.8 Lakh/year
	Details of UGT tanks if any :	Underground
35.Storm water drainage	Natural water drainage pattern:	The slope of the plot is towards West side
	Quantity of storm water:	The storm water generation 937.59 m3/hr
	Size of SWD:	450 mm x 600 mm wide internal SWD drains
Sewage and Waste water	Sewage generation in KLD:	288 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 300 KLD capacity
	Location & area of the STP:	Underground and Area of STP: 175 m2
	Budgetary allocation (Capital cost):	Rs.69 Lakh
	Budgetary allocation (O & M cost):	Rs. 16 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction debris: 975 m3
	Disposal of the construction waste debris:	The construction debris waste will be disposed as per Construction debris and demolition waste management Rule 2016
Waste generation in the operation Phase:	Dry waste:	687 kg/day
	Wet waste:	458 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	3 kg/day
	Others if any:	-


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Mode of Disposal of waste:	Dry waste:	Dry garbage will be disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	Household E-waste generation
Area requirement:	Location(s):	On ground
	Area for the storage of waste & other material:	80 m ²
	Area for machinery:	26 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 28 Lakh
	O & M cost:	Rs. 11 Lakh/yr

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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

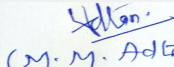
40. Details of Fuel to be used

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		


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43.Green Belt Development	Total RG area :	RG on Ground: 1720.40 m2
	No of trees to be cut :	Existing trees on site:14 Nos. Trees to be retained: 14 Nos
	Number of trees to be planted :	95 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	Within 2 years of completion of construction activity

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


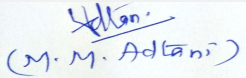
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	ERYTHRINA INDICA	Pangara	10	As medicinal value, Bird and insect attractive.
2	LAGERSTROEMIA SPECIOSA	Tamhan	10	Edible, mature fruit as medicinal value, Bird and insect attractive
3	MIMUSOP ELENGI	Bakul	8	As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

45.Total quantity of plants on ground

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

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

47.Energy

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Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	50 kVA
	DG set as Power back-up during construction phase	50 kVA
	During Operation phase (Connected load):	2.5 MW
	During Operation phase (Demand load):	1.4 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	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 PV Hot water to Residential Buildings, Solar Street lighting in landscape , common area passages

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	<ul style="list-style-type: none"> • Use of Energy Efficient Pumps & Motors for firefighting, UG Tanks and STP • Energy efficient lighting fixtures (LED lights) to buildings • Use of energy efficient lifts • Efficient wall systems like solid blocks with fly ash content • Natural shading through elevation features of chajjas to minimize heat gain and reduce air-conditioning requirement 	22.56

50. Details of pollution control Systems


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

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

51. Environmental Management plan Budgetary Allocation

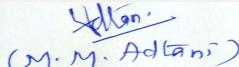
a) Construction phase (with Break-up):

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


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3	Potable Water Supply to Labour	-	3
4	Solid waste management	-	4
5	Disinfection	-	3
6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	4
7	Traffic Management (Sign Boards, Persons, at entry exit and Parking area)	-	2
8	Safety nets	-	5
9	Safety Training to Workers (Twice in Year), Safety Officer	-	5
10	Environmental Monitoring	(As per the CPCB guidelines through MoEF&CC Approved laboratories - Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	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)	-	69	16
2	Solar System	-	26	1.3
3	Rainwater harvesting	-	-	0.8
4	Solid Waste Composting plant	-	28	11
5	Landscape	-	17	2
6	Environmental Monitoring	-	-	4

51.Storage of chemicals (inflammable/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


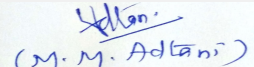
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	Nos. of the junction to the main road & design of confluence:	-
Parking details:	Number and area of basement:	No Basement
	Number and area of podia:	No Podium
	Total Parking area:	Total Parking Area = 1096.80 m ²
	Area per car:	10.35 m ²
	Area per car:	10.35 m ²
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	94 Nos
	Public Transport:	-
	Width of all Internal roads (m):	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 : 250 m approx
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is *proposed New Housing project*. PP further stated that, the total plot area of the project is 8673.43Sq.mt. having total construction area 32171.99 Sq.mt. (FSI - 19057.42 Sq.mt. + NON FSI- 13114.57 Sq.mt.) and the building configuration is as follow-


Building Name & number	Number of floors	Height (Mtrs)
BLDG.NO-1(WING -A&B)	S+22 FLR.	69.95
BLDG.NO.-2	S+15 FLR.	48.95
BLDG.NO.-3(HALL)	G+1 FLR.	8.70

It is noted that the project earlier considered in 93rd SEAC-2 Meeting held on 25-03-2019. & deferred with observations namely 1) to revise day light analysis by achieving minimum 200 lux level in living room. 2) to revise parking plans by removing stack parking. 3) to Provide contiguous RG with minimum 7.5 m width on Mother Earth. To follows guidelines of Hon. Supreme court order in providing R.G 3) to submit undertaking to incorporate provision of clear 6 mtr + 6mtr drive way regarding right of way in sale deed after duly getting registered document from the adjoining plot owner about right of way from plot. 4) to submit & upload the design & cross section of STP indicating 40% area open to sky for adequate ventilation. 5) to submit measures how the traffic will get improved. 6) PP to ensure ECBC norms are complied with. 7) to specify the purpose of proposed hall & submit the parking requirement accordingly. 8) to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertake under CER to be got approved from collector/ local body or Environment Department. 9) to revise parking plans by removing stack parking. Accordingly PP Submitted the Compliance which was 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,

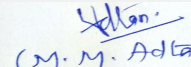
DECISION OF SEAC

record.


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

Specific Conditions by SEAC:

- 1) Committee noted that, plot area which was shown in 93rd meeting has been changed with different plot boundaries during presentation. PP to submit the explanatory note regarding why the proposal should not be rejected for misleading the committee.
- 2) PP to submit corrected plot boundary map with supportive documents like maps issued by city surveyor department.

FINAL RECOMMENDATION

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

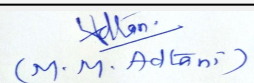
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**Shri M.M.Adtani (Chairman
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Agenda of 101th SEAC-2 Day-2 meeting held on 31st May, 2019


SEAC Meeting number: 101 (Day-2) Meeting Date May 31, 2019

Subject: Environment Clearance for Amendment in EC for Residential Development with shops at village Daighar, District - Thane.

Is a Violation Case: No


1.Name of Project	Amendment in EC for Residential Development with shops
2.Type of institution	Private
3.Name of Project Proponent	M/s. Glory Township LLP
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	Amendment in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The project has received Environmental Clearance dt 18.06.2015 form EAC, Delhi, MoEF & CC (F. No. 21-141/2014-IA.III)
8.Location of the project	Plot bearing S. no. 89, 88/4, 90/2/5, 90/2/4, 90/1, 90/4, 101/1-2, 101/2, 101/3 of village Daighar, District - Thane.
9.Taluka	Thane
10.Village	Daighar
Correspondence Name:	M/s. Glory Township LLP
Room Number:	Shop no. 4
Floor:	--
Building Name:	Janki Niwas
Road/Street Name:	Dr. Moose Road
Locality:	Near Gadkari Rangaytan
City:	Thane
11.Area of the project	Thane Municipal Corporation (T.M.C.)
12.IOD/IOA/Concession/Plan Approval Number	Received Commencement Certificate from T.M.C. V.P. No. S11/0181/18 dt. 15.10.2018
	IOD/IOA/Concession/Plan Approval Number: Commencement Certificate V.P. No. S11/0181/18 dt. 15.10.2018
	Approved Built-up Area: 31077.63
13.Note on the initiated work (If applicable)	The total constructed area (FSI + NON FSI) on site till date: 698.45 Sq.mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	27,398.67 Sq. mt.
16.Deductions	6,973.13 Sq. mt.
17.Net Plot area	20,425.54 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 55,557.06 Sq. mt.
	b) Non FSI area (sq. m.): 51,936.25 Sq. mt.
	c) Total BUA area (sq. m.): 107493.31
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 31,077.63 sq.mt.
	Approved Non FSI area (sq. m.): 34,904.99 sq.mt.
	Date of Approval: 15-10-2018
19.Total ground coverage (m2)	10,617.96 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	52 %
21.Estimated cost of the project	2831000000

22.Number of buildings & its configuration


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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building Type A1	Stilt + 18th Floor	57.75
2	Building Type A2	Gr./Stilt + 18th Floor	57.75
3	Building Type B1	Gr./Stilt + 18th Floor	57.75
4	Building Type C1	Gr./Stilt + 28th Floor	87.25
5	Building Type C2	Gr./Stilt + 28th Floor	87.25
6	Building Type D1	Basement + Stilt + Podium + 29th Floor	94.15
7	Building Type D2	Basement + Stilt + Podium + 30th Floor	97.10
8	Building Type D3	Basement + Stilt + Podium + 30th Floor	97.10
9	Building Type D4	Basement + Stilt + Podium + 30th Floor	97.10
10	Building Type B2 (MHADA + Sale)	Gr./Stilt + 18th Floor	57.75

23.Number of tenants and shops	Residential Flats: 1272 Nos. Shops: 40 Nos.
24.Number of expected residents / users	5943 Nos.
25.Tenant density per hectare	592 / 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 60.00s mt. wide Kalyan Shilphata 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	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable


31.Production Details

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

32.Total Water Requirement


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Dry season:	Source of water	T.M.C./ Tanker water for Swimming pool make up							
	Fresh water (CMD):	Domestic: 527 KLD (T.M.C.)							
	Recycled water - Flushing (CMD):	263 KLD							
	Recycled water - Gardening (CMD):	31 KLD							
	Swimming pool make up (Cum):	4 KLD (Tanker water of potable quality)							
	Total Water Requirement (CMD) :	825 KLD							
	Fire fighting - Underground water tank(CMD):	10 nos. of tanks of capacity 150 KL each							
	Fire fighting - Overhead water tank(CMD):	300 KL							
	Excess treated water	322 KL							
Wet season:	Source of water	T.M.C./ Tanker water for Swimming pool make up/ Partly by RWH							
	Fresh water (CMD):	Domestic: 527 KLD (504 form T.M.C. + 23 KLD from RWH)							
	Recycled water - Flushing (CMD):	263 KLD							
	Recycled water - Gardening (CMD):	NA							
	Swimming pool make up (Cum):	4 KLD (Tanker water of potable quality)							
	Total Water Requirement (CMD) :	794 KLD							
	Fire fighting - Underground water tank(CMD):	10 nos. of tanks of capacity 150 KL each							
	Fire fighting - Overhead water tank(CMD):	300 KL							
	Excess treated water	353 KL							
Details of Swimming pool (If any)	Swimming pool volume: 297.98 m3 Swimming pool make up water requirement: 04 KLD								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
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



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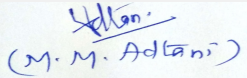

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	The Ground water level is between 2.40 mt. to 2.70mt. below existing ground level.
	Size and no of RWH tank(s) and Quantity:	3 nos. of RWH tanks of total 85 KL capacity
	Location of the RWH tank(s):	For building type D1, D2, D3 & D4: Basement ; For building type A1, A2, B1, B2, C1 & C2: Underground
	Quantity of recharge pits:	4 nos.
	Size of recharge pits :	--
	Budgetary allocation (Capital cost) :	Rs. 18.70 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.65 Lacs/annum
	Details of UGT tanks if any :	For building type D1, D2, D3 & D4: Basement For building type A1, A2, B1, B2, C1 & C2: 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:	0.43 m3/sec
	Size of SWD:	600mm wide SWD with slope 1: 500
Sewage and Waste water	Sewage generation in KLD:	684 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	720 KLD
	Location & area of the STP:	Location: Basement level (Area: 600 Sq. mt.)
	Budgetary allocation (Capital cost):	Rs. 235.90 Lacs
	Budgetary allocation (O & M cost):	Rs. 31.64 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Excavated earth shall be partly reused for back filling on site and partly disposed to authorized landfill site
	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:	1579 Kg/day
	Wet waste:	1053 Kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	103 kg/day
	Others if any:	Not Applicable


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Mode of Disposal of waste:	Dry waste:	Non-recyclable : To T.M.C ; 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:	108 Sq. mt.
	Area for machinery:	12 Sq. mt.
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 9.00 Lacs
	O & M cost:	Rs. 3.85 Lacs/annum

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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

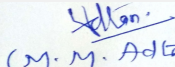
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	--	--	--

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


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43.Green Belt Development	Total RG area :	5174.53 sq. mt.
	No of trees to be cut :	Nil
	Number of trees to be planted :	435
	List of proposed native trees :	As shown below
	Timeline for completion of plantation :	At the time of completion of project

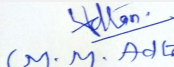
44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbek	Shirish	21	Shady tree, yellowish green fragrant flowers, fast growing tree, soil moisture remains high under lebbek as it provides dense canopy.
2	Azadirachta indica	Neem	21	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation
3	Ailanthus excelsa	Maharukh	17	Large tree, aromatic good for roadside plantation
4	Pongamia pinnata / Millettia pinnata	Karanj	7	It has large canopy which spreads equally wide, It has potential to grow in salt water soil, drought-tolerant.
5	Saraca indica	Sita Ashok	15	Shady evergreen tree with red-yellow flowers
6	Anthocephallus cadamba	Kadamb	23	It is a quick growing, large traffic like spreading branches, its fragment orange flowers attracts pollinators, it helps in improving physical and chemical properties of soil, Shady, large tree, ball shaped flowers. It acquires profitable medicinal and commercial properties.
7	Cassia Fistula	Bahava	24	Medium sized deciduous tree. Beautiful yellow flowers, it is relatively drought tolerant and slightly salt tolerant. It has medicinal properties, Butterfly host plant.
8	Mimusops elengi	Bakul	4	Shady medium-sized evergreen tree, small white fragrant flowers, Its timber is valuable, the fruit is edible, and it is used in traditional medicine.
9	Nyctanthes arbortristis	Parijat	55	Small deciduous fast growing tree or shrub, beautiful fragrant flowers, Its leaves and bark has medicinal properties.


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10	Lagerstroemia flos-regineae	Tamhan	20	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers, it has medicinal properties, and wood is commercially used. Helps to control soil erosion
11	Murraya paniculata	Kunti	60	Small tropical, evergreen tree, Fragrant white flowers, planted as ornamental tree, it has potential of medicinal properties, family tree for bees, Butterfly host plant
12	Gmelina arborea	Shivan	19	Fast growing tree with beautiful yellow flowers, its timber is used in constructions, furniture, carriages, sports, musical instruments and artificial limbs. Its root, bark and fruit have medicinal properties.
13	Bauhinia racemosa	Apta	10	Small tree with small white flowers, leaves, Butterfly host plant
14	Caryota urens	Fish Tail palm	15	Solitary-trunked tall evergreen tree. Pulp of the fully grown up plant is cut, sun dried, powdered and is edible. Ornamental plant.
15	Michelia champaca	Sonchafa	13	Medium sized evergreen tree, strongly fragrant yellow flowers used in perfume industry, Butterfly host plant
16	Putranjiva roxburghii	Putrajiva	8	Medium sized evergreen tree, Its bark, leaves and fruit has medicinal properties.
17	Citrus sp.	Lemon	77	Small evergreen tree, Fruit is edible, Butterfly host plant
18	Dillenia indica	Elephant apple tree	18	It is an evergreen large shrub or small to medium-sized tree growing to 15 m tall. Fruit pulp is bitter-sour and used in Indian cuisine in curries, jam and jellies. It is extensively used in Dal and in fish preparations in Assam.
19	Millingtonia hortensis	Indian cork tree	8	It grows upto 18 to 25 m high and leaves up to 40 years. It grows well in various soil types. White pleasant fragrant flowers. Birds fed on its fruit.

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)	150 KW
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	13942 KW
	During Operation phase (Demand load):	8604 KW
	Transformer:	4 nos. of 1000 kVA
	DG set as Power back-up during operation phase:	1x500 kVA, 1x225 kVA, 1x750 kVA and 1x910 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

LED lights instead of conventional CFL/T5 lamps
 High Efficiency motors with BEE 5 stars rated
 All water pump motors with high efficiency power
 Use of star rated Geyser
 Fluorescent light fixtures on solar system
 Solar panels for street lighting

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	21%

50. Details of pollution control Systems


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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 27.30 Lacs
	O & M cost:	Rs. 0.42 Lacs/annum

51. Environmental Management plan Budgetary Allocation

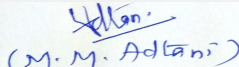
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression	9.00
2	Air Environment	Air and Noise Monitoring: On site Sensors	12.5


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3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory	1.10
4	Water Environment	Drinking water analysis	0.90
5	Land Environment	Site Sanitation	5.00
6	Health & Hygiene	Disinfection- Pest Control	6.00
7	Health & Hygiene	Health Check-up of workers	22.50
8	Cost towards Disaster Management	--	1770.30

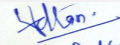
b) Operation Phase (with Break-up):

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	4 nos. of stacks	No set up cost is involved	0.19
4	AIR & NOISE ENVIRONMENT - Cost for Plantation	5174.53 Sq.mt. of RG area on ground	28.46	1.20
5	WATER ENVIRONMENT - Waste water treatment	Cost for sewage Treatment Plant	217.90	30.61
6	WATER ENVIRONMENT - Cost for water & waste water Monitoring	On site sensors	18.00	1.00
7	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.027
8	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	8.50	0.43
9	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for Rain Water collected in tanks	9.00	0.03


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10	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rain water harvesting pits	1.20	0.06
11	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	No set up cost is involved	0.14
12	LAND ENVIRONMENT - Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	9.00	3.77
13	LAND ENVIRONMENT - Solid Waste Management	Environmental Monitoring	No set up cost is involved	0.08
14	ENERGY CONSERVATION - Use of renewable energy	Solar system	27.30	0.42
15	Cost towards disaster management	--	1590.95	36.16

51.Storage of chemicals (inflammable/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

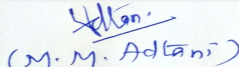
53.Traffic Management

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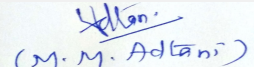

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Parking details:	Number and area of basement:	1 Basement for Building type D1, D2, D3 & D4 (Area: 5943.92 sq.mt.)
	Number and area of podia:	1 Podium for Building type D1, D2, D3 & D4 (Area: 6913.93 sq.mt.)
	Total Parking area:	19,177.79 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	1340 Nos.
	Number of 4-Wheelers as approved by competent authority:	603 Nos.
	Public Transport:	Not Applicable
	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) B2
	Court cases pending if any	No
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	29-10-2018
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

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PP was present during the meeting along with environmental consultant M/s. M/s. Ultra-Tech.

PP informed that, the project under consideration is proposed amendment in EC for residential development with shops project. PP further stated that, the total plot area of the project is 27,398.67 Sq.mt. having total construction area 107493.31 Sq.mt. (FSI - 55,557.06 sq.mt +NON FSI- Total - 51,936.25 sq.mt) and the building configuration is as follow-


Building Name & number	Number of floors	Height (Mtrs)
Building Type A1	Stilt + 18th Floor	57.75
Building Type A2	Gr./Stilt + 18th Floor	57.75
Building Type B1	Gr./Stilt + 18th Floor	57.75
Building Type C1	Gr./Stilt + 28th Floor	87.25
Building Type C2	Gr./Stilt + 28th Floor	87.25
Building Type D1	B+ Stilt + Podium + 29 th Floor	94.15
Building Type D2	B + Stilt + Podium + 30 th Floor	97.10
Building Type D3	B + Stilt + Podium + 30thFloor	97.10
Building Type D4	B + Stilt + Podium + 30thFloor	97.10
Building Type B2	(MHADA + Sale) Gr./Stilt + 18th Floor	57.75

It is noted that, the project has received Environmental clearance vide letter dated 18.06.2015 for total built up area 72812.92 Sq.mt. PP stated that, only 1193 Sq.mt construction was carried out till date on site.

It is noted that the project earlier listed in 100th SEAC-2 Meeting held on 20-05-2019 & not heard due to time constraint.

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.


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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) PP to upload the copy of approved plan
- 2) PP to submit the comparative analysis for shadow analysis for earlier plan & project under consideration.
- 3) PP to ensure that STP tank should be open to sky.
- 4) PP to ensure that slope of ramp provided to D1,D2,D3,D4 buildings should be 1:12
- 5) 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.
- 6) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.
- 7) PP to submit corrected Swept path analysis.
- 8) Local Planning Authority to ensure that Completion Certificate / Occupation Certificate to be issued only after garneted water supply & after sewer line & storm water drains constructed for the project.

FINAL RECOMMENDATION

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

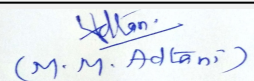
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Agenda of 101th SEAC-2 Day-2 meeting held on 31st May, 2019


SEAC Meeting number: 101 (Day-2) Meeting Date May 31, 2019

Subject: Environment Clearance for CONSTRUCTION OF IT PARK AT Plot No. A-1 Sector - I, in MIDC TTC Industrial Area Navi Mumbai, Maharashtra by RUPA INFOTECH & INFRASTRUCTURE PVT. LTD.

Is a Violation Case: Yes


1.Name of Project	RUPA INFOTECH & INFRASTRUCTURE PVT. LTD.
2.Type of institution	Private
3.Name of Project Proponent	Shri Bimal Desai
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	CONSTRUCTION OF IT PARK
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No. A-1 Sector - I, in MIDC TTC Industrial Area Navi Mumbai, Maharashtra
9.Taluka	Thane
10.Village	Mahape
Correspondence Name:	Shri Bimal Desai, Rupa Infotech & Infrastructure Pvt. Ltd.
Room Number:	401
Floor:	-
Building Name:	Rupa Plaza
Road/Street Name:	Jawahar Road
Locality:	Ghatkopar (E),
City:	Mumbai
11.Area of the project	MIDC
12.IOD/IOA/Concession/Plan Approval Number	MIDC Approval
	IOD/IOA/Concession/Plan Approval Number: IT BLDG: DE/SPA/Bldg No. A-1/MBP/B06744/2015 dt. 07.04.2015; MLCP BLDG: DE/SPA/Bldg No. A-1/MBP/B06739/2015 dt. 07.04.2015
	Approved Built-up Area: 66268.39
13.Note on the initiated work (If applicable)	Entire Construction is completed.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	66,271.58
16.Deductions	Not Applicable
17.Net Plot area	66,271.58
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 66,268.39
	b) Non FSI area (sq. m.): 50,063.61
	c) Total BUA area (sq. m.): 116332
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 66,268.39
	Approved Non FSI area (sq. m.): 50,063.61
	Date of Approval: 07-04-2015
19.Total ground coverage (m2)	7334
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	10%
21.Estimated cost of the project	2500000000

22.Number of buildings & its configuration



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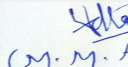

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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	IT Building	2B + G + 1 to 16 Upper floors	63.00	
2	Multi-level Car Parking Bldg	G + 6 Upper floors	23.40	
23.Number of tenants and shops	Not Applicable			
24.Number of expected residents / users	6627			
25.Tenant density per hectare	Not Applicable			
26.Height of the building(s)				
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 m			
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m			
29.Existing structure (s) if any	Modernization of existing IT Building			
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				



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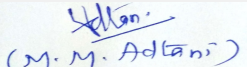

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Dry season:	Source of water	MIDC								
	Fresh water (CMD):	166								
	Recycled water - Flushing (CMD):	-								
	Recycled water - Gardening (CMD):	-								
	Swimming pool make up (Cum):	-								
	Total Water Requirement (CMD) :	298								
	Fire fighting - Underground water tank(CMD):	As per norms								
	Fire fighting - Overhead water tank(CMD):	As per norms								
	Excess treated water	-								
Wet season:	Source of water	MIDC								
	Fresh water (CMD):	131								
	Recycled water - Flushing (CMD):	-								
	Recycled water - Gardening (CMD):	-								
	Swimming pool make up (Cum):	-								
	Total Water Requirement (CMD) :	298								
	Fire fighting - Underground water tank(CMD):	As per norms								
	Fire fighting - Overhead water tank(CMD):	As per norms								
	Excess treated water	-								
Details of Swimming pool (If any)	Not Applicable									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	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	



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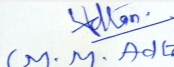

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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	10 -15 m
	Size and no of RWH tank(s) and Quantity:	2 RWH tanks with total capacity: 70 m3
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	16.1 Lakh
	Budgetary allocation (O & M cost) :	1.6 Lakh/yr
	Details of UGT tanks if any :	UG tanks are provided below ground
35.Storm water drainage	Natural water drainage pattern:	The slope of the site and area is towards North West side
	Quantity of storm water:	840 m3/hr
	Size of SWD:	600 mm wide drain channel
Sewage and Waste water	Sewage generation in KLD:	282
	STP technology:	The sewage from IT building is connected to MIDC STP
	Capacity of STP (CMD):	The sewage from IT building is connected to MIDC STP
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	-
	Budgetary allocation (O & M cost):	-
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	Dry waste:	530 kg/d
	Wet waste:	795 kg/d
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	-
	Others if any:	E- Waste: 3.5 tonnes /yr


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Mode of Disposal of waste:	Dry waste:	disposed off to recyclers
	Wet waste:	Mechanical composting
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	The E-waste to e-waste management vendor authorized by MPCB.
Area requirement:	Location(s):	on ground
	Area for the storage of waste & other material:	50 m ²
	Area for machinery:	30 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	32 Lakh
	O & M cost:	12.8 Lakh/yr

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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

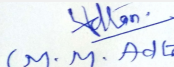
40. Details of Fuel to be used

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		


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43.Green Belt Development	Total RG area :	1950.90 m2
	No of trees to be cut :	-
	Number of trees to be planted :	40 Nos.
	List of proposed native trees :	Details given below.
	Timeline for completion of plantation :	Already planted

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 asoka	Ashoka	23	Shady tree with red-yellow flowers
2	Grevillea robusta	Silver Oak	9	Fst growing evergreen tree
3	Bambusoideae	Bamboo	8	The bamboos are evergreen perennial flowering plants

45.Total quantity of plants on ground

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


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

47.Energy

Power requirement:	Source of power supply :	MSEDCL
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	12 MW
	During Operation phase (Demand load):	8 MW
	Transformer:	1 x 12.5 mVa
	DG set as Power back-up during operation phase:	6500 kVA (4 x 1500; 1 x 500)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

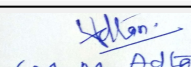
48.Energy saving by non-conventional method:

Solar PV Panels of 181.35 kWp capacity is provided


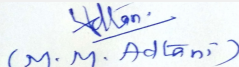

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Shri M.M.Adtani (Chairman
SEAC-II)


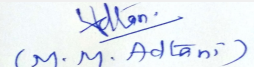
49.Detail calculations & % of saving:							
Serial Number	Energy Conservation Measures				Saving %		
1	Installation of Soalr PV Panles				-		
50.Details of pollution control Systems							
Source	Existing pollution control system				Proposed to be installed		
Not applicable	Not applicable				Not applicable		
Budgetary allocation (Capital cost and O&M cost):		Capital cost:		Rs. 102.35 Lakh			
		O & M cost:		Rs. 1.5 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	-	-	-				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Solar System	Weekly monitoring	102.35	1.5			
2	Rain water harvesting	Cleaning of UG tanks and filtration units before rainy seasons	16.1	1.6			
3	Solid waste composting plant	Continuous O & M	32	12.8			
4	Landscape	Daily	4	0.5			
51.Storage of chemicals (inflammable/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 junctions (MBP Entry and Exit Junction)			

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Parking details:	Number and area of basement:	Lower Basement and Upper Basement: 16,777.1 m2
	Number and area of podia:	Not Applicable
	Total Parking area:	16,675 m2 (Net Area)
	Area per car:	12.5 m2
	Area per car:	12.5 m2
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	1334 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Min 9 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	No

SEAC-AGENDA-0000000275

	Other Relevant Informations	<p>We have developed IT Building at Plot No. A-1 Sector-I, in MIDC TTC Industrial Area Navi Mumbai, Maharashtra having plot area 66,271.58 m2 (larger plot area of MIDC)</p> <ol style="list-style-type: none"> Ours is the part of the project developed by MIDC under Millennium Business Park which was started way back in the 1990s prior to EIA Notification come into force (07.07.2004). The project was completed and OC was granted on 09.08.2002 Subsequently additional FSI was added and the building was extended. MIDC has provided all common facilities like STP, SWD etc. therefore all the environmental infrastructure is in place and charges for the same was paid by us. We were of opinion that earlier plinth was prior to 7.7.2004 and constructed the additional floors. As per the MoEF & CC notification No. S.O. 804(e) dated 14.03.2017 for consideration of violation projects; we had applied to MoEF&CC on 12.09.2017 (Proposal No. IA/MH/NCP/68722/2017) The MoEF&CC vide its notification no. S.O. 1030 (E) dated 08.03.2018 has prescribed the procedure for appraisal of violation cases under Category A and Category B projects. The cases of violation category B projects will be appraised by SEAC/SEIAA at state level. Now, The MoEF&CC has transferred all the projects at state level, we are resubmitting the application for EC under Violation Category. <p>We were not aware that this is violation case as all environmental infrastructures were already developed and all requisite fees were paid to the MIDC. And this is part of the project developed by MIDC way back in 1990s at that time EC was not required for this type of projects (IT Park)</p>
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	12-09-2017
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summarised in brief information of Project as below.		
Brief information of the project by SEAC		
DECISION OF SEAC		
<i>PP was absent, however PP submitted the letter regarding his absence; hence the project is deferred.</i>		
Specific Conditions by SEAC:		
FINAL RECOMMENDATION		
SEAC-II decided to defer the proposal. Kindly find SEAC decision above.		

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Agenda of 101th SEAC-2 Day-2 meeting held on 31st May, 2019

SEAC Meeting number: 101 (Day-2) Meeting Date May 31, 2019

Subject: Environment Clearance for Amendment in Environment Clearance for proposed Affordable Residential Group Housing scheme under PMAY

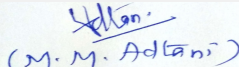
Is a Violation Case: No

1.Name of Project	"Vijay Estate Vakas" Residential cum Commercial project by M/s. Vijay Citispace Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	Shri. Deepak Furia (Director)
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Residential cum Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project (Amendment in Environment Clearance)
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. Environmental Clearance obtained Vide Letter No. SEAC-2212/CR-470/TC-2 dated 21st February, 2015
8.Location of the project	Plot bearing Old Survey No. *(New Survey No.) 52/3pt (18/3pt)*, 52/5 (18/5)*, 52/6 (18/6)*, 52/7 (18/7)*, 52/9 (18/9)*,68/1D(34/1D)*, 68/3(34/3)*,69/1A/3A (35/1A/3A)*, 69/1A/3B (35/1A/3B)*, 69/2 (35/2)*, 69/4 (35/4)*, 69/5 (35/5)*, 69/6 (35/6)*, 69/7 (35/7)*, 69/9 (35/9)*, 69/10 (35/10)*, 69/11(35/11)*, 69/12 (35/12)*, 69/13 (35/13)*
9.Taluka	Karjat
10.Village	Vakas
Correspondence Name:	Shri. Deepak Furia (Director)
Room Number:	205
Floor:	Second Floor
Building Name:	Marine Chambers
Road/Street Name:	43
Locality:	New Marine Lines
City:	Mumbai-400020
11.Area of the project	Collector, Town planning - Alibaug, District - Raigad
12.IOD/IOA/Concession/Plan Approval Number	To be applied for Amended approval. IOD/IOA/Concession/Plan Approval Number: Received Town Planning N.A. order cum Commencement certificate vide file no. kra.M.Sha/L.N.A.1(B)/Pra.Kra.88/2014 dtd. 20.05.2015 for existing proposal Approved Built-up Area: 99290
13.Note on the initiated work (If applicable)	No work has been initiated on site. Plot is vacant.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	73,332 m2
16.Deductions	12,344 m2 (includes state highway road area + 10% amenity space)
17.Net Plot area	60,988 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Permissible FSI area : - 81,856 m2 and Proposed FSI area : - 57,728 m2 b) Non FSI area (sq. m.): 41,562 c) Total BUA area (sq. m.): 99290
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): In process. as applied for Amendment in Municipal Approval Approved Non FSI area (sq. m.): In process. as applied for Amendment in Municipal Approval Date of Approval: 01-01-1900
19.Total ground coverage (m2)	9,986
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	15%
21.Estimated cost of the project	2096200000


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22. Number of buildings & its configuration


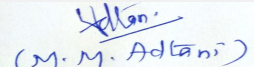
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Type-A (16 Buildings)	Ground + 7	23.40
2	Type-AT (5 Buildings)	Ground + 7	23.40
3	Type-AO (5 Buildings)	Ground + 7	23.40
4	Type-AS (14 Buildings)	Stilt (pt) + 7	23.40
5	Club House (338.58 m2)	Ground + 1	8.4
6	Convenient Shops (1976.46 m2)	At Ground floor	-

23. Number of tenants and shops	2,116 no. of tenements 84 no. of shops
24. Number of expected residents / users	Total Population : 6,580 nos. (Residential : 6,348 nos. and Commercial : 232 nos.)
25. Tenant density per hectare	289/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))	Existing 5.5 m Neral-Kashele Village Road (Proposed state highway no.103 is 60 m 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 m
29. Existing structure (s) if any	Yes. Following existing structures are present on site which will be demolished during construction. 1. Old bungalow is Ground + 1st floor. 2. Temporary labour hutments as well as site office.
30. Details of the demolition with disposal (If applicable)	No


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

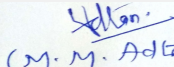
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Dry season:	Source of water	River Pej ???								
	Fresh water (CMD):	581								
	Recycled water - Flushing (CMD):	286								
	Recycled water - Gardening (CMD):	37								
	Swimming pool make up (Cum):	Not Applicable								
	Total Water Requirement (CMD) :	867								
	Fire fighting - Underground water tank(CMD):	Not Applicable								
	Fire fighting - Overhead water tank(CMD):	1,000 (25 m3 per building)								
	Excess treated water	214 (to be discharged into artificial pond)								
Wet season:	Source of water	River Pej ???								
	Fresh water (CMD):	581								
	Recycled water - Flushing (CMD):	286								
	Recycled water - Gardening (CMD):	18								
	Swimming pool make up (Cum):	Not Applicable								
	Total Water Requirement (CMD) :	867								
	Fire fighting - Underground water tank(CMD):	Not Applicable								
	Fire fighting - Overhead water tank(CMD):	1,000 (25 m3 per building)								
	Excess treated water	233 (to be discharged into artificial pond)								
Details of Swimming pool (If any)	Not applicable									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Gardening	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	


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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	Approx. 1.5 to 5m
	Size and no of RWH tank(s) and Quantity:	Not applicable
	Location of the RWH tank(s):	Not applicable
	Quantity of recharge pits:	33 Nos.
	Size of recharge pits :	2.5 m x 2.5 m x 3 m depth
	Budgetary allocation (Capital cost) :	Rs. 33 Lakh
	Budgetary allocation (O & M cost) :	Rs. 2.64 Lakh/Year
	Details of UGT tanks if any :	Domestic UG tank capacity - 867 m3 (Block wise UG Tank = 5 nos.) Flushing UG tank capacity -300 m3/day (Block wise UG Tank = 5 nos.) Fire UG tank capacity -Not applicable (As per NBC 2016).


35.Storm water drainage	Natural water drainage pattern:	Along with internal road side & as per contour of the plot
	Quantity of storm water:	7,333 m3/hr
	Size of SWD:	1400 mm x 600 mm & 850 mm x 750 mm. Also as per contour vary from 300 mm to 600 mm

Sewage and Waste water	Sewage generation in KLD:	781 m3/day
	STP technology:	MBBR (Moving Bed Biofilm Reactor) technology
	Capacity of STP (CMD):	Block wise 5 nos. of STP having total capacity = 870 m3/day i.e. (200 m3/day +180 m3/day +130 m3/day +190 m3/day +170 m3/day)
	Location & area of the STP:	On Ground and area of the STP is 500 m2
	Budgetary allocation (Capital cost):	Rs. 95.70 Lakh
	Budgetary allocation (O & M cost):	Rs.7.66 Lakh/Year

36.Solid waste Management

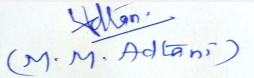
Waste generation in the Pre Construction and Construction phase:	Waste generation:	1. Total waste generation from Labour colony is 125 kg/day. 2. Quantity of the top soil to be preserved: 6,088 m3.
	Disposal of the construction waste debris:	This material shall be used for back filing and leveling of the plot within project.

Waste generation in the operation Phase:	Dry waste:	1,836 kg/day
	Wet waste:	1,288 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	156 kg/day
	Others if any:	Inert waste : 97 kg/day


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Mode of Disposal of waste:	Dry waste:	Dry waste will be segregated & disposed of to the recyclers
	Wet waste:	Wet waste will be treated by using Organic waste converter machine (5 nos. unit)
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Dry sludge can be used as manure for plantation & gardening purposes inside the premises
	Others if any:	Not applicable
Area requirement:	Location(s):	On Ground
	Area for the storage of waste & other material:	100 m ²
	Area for machinery:	530 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 35 Lakh
	O & M cost:	Rs. 1.75 Lakh/year

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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

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43.Green Belt Development	Total RG area :	6,776 m2
	No of trees to be cut :	8 nos. (to be transplant)
	Number of trees to be planted :	410 nos.
	List of proposed native trees :	Provided
	Timeline for completion of plantation :	Approx. 5 years

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


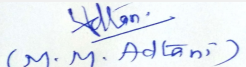
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Peltophorum pterocarpum	Pongam Oiltree	50	Fruit bearing tree
2	Lagerstroemia speciosa	Queens Crape-Myrtle	40	Flowering bearing tree
3	Plumeria alba	White Frangipani	45	Flowering bearing tree
4	Mangifera indica	Mango	50	Fruit bearing tree
5	Tabebuia rosea	Basant rani	45	Fruit bearing tree
6	Filicium decipiens	Fern Tree	45	Fruit bearing tree
7	Delonix regia	Gulmohar	45	Deciduous with red flowering
8	Bauhinia blakeana	Hong Kong Orchid Tree	32	Deciduous with red flowering
9	Acacia auriculiformis	Auri	33	Fruit bearing tree
10	Samanea Saman	-	25	Evergreen tree

45.Total quantity of plants on ground

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

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

47.Energy

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Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Company Ltd. (MSEDCL)
	During Construction Phase: (Demand Load)	252 KW
	DG set as Power back-up during construction phase	250 kVA - 1 no. DG set
	During Operation phase (Connected load):	4,690 KW
	During Operation phase (Demand load):	3,283 KW
	Transformer:	5 nos. of 1250 kVA Transformers
	DG set as Power back-up during operation phase:	1. Block-wise = 5 Nos. 2. For residential building staircase, passage, Lift, Lobby STP, water Pumps etc. 225 kVA - 2 no. ,200 kVA - 2 no., 180 kVA - 1 no. , 3. For Club House, Landscape area & Common area lighting. 140 kVA - 1 no.
	Fuel used:	High Speed Diesel (HSD)
	Details of high tension line passing through the plot if any:	Not applicable

48. Energy saving by non-conventional method:

1. Energy efficient, 4STAR, BEE labelled electrical fixtures, Energy efficient fluorescent tube lights, LED & CFL lamps.
2. Solar water heating is provided for residential flats.
3. Solar street lights are proposed for common areas such as open spaces, pathways etc.

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of energy efficient BEE labelled electrical fixtures, solar powered lighting in external common area	8%

50. Details of pollution control Systems


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

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 507.21 Lakh
	O & M cost:	Rs. 25.36 Lakh/Year

51. Environmental Management plan Budgetary Allocation

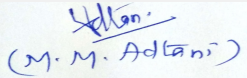
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	pH, colour, odour, turbidity, total hardness	13
2	Site Sanitation	Site sanitation, Toilets, STP, safe drinking water, Disinfection	16


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3	Environmental Monitoring	Air, water, soil and noise monitoring	3
4	Disinfection	Disinfection	3
5	Health Check up	Health check up for workers, first Aid kit	2
6	Environment management	Site Fencing & noise barrier, Traffic management, Vehicle maintenance, washing area, tyre cleaning, Tree plantation & water utilization	34
7	Training and Awareness	Safety personal protective equipment & Training programs and Safety Net	15

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment plant	(Block wise)- 5 Nos. of STP having total capacity = 870 m3/day (200 m3/day+180 m3/day+130 m3/day+170 m3/day + 190 m3/day)	95.70	7.66
2	Rain water Harvesting and Storm Water Management	33 nos. of Recharge Pits	33	2.64
3	Solid Waste Management	OWC Treatment (Blockwise - 5 nos. of OWC machine)	35	1.75
4	Landscape Development	Tree Plantation & Landscaping, Lawns area, Shrub area development	3.11	0.16
5	Environmental Monitoring	Monitoring and analysis of Air and Noise, Water, Soil etc.	0.00	3.00
6	Energy Conservation	Energy [Lighting fixtures, Solar Street Light, Solar Hot Water System, DG set etc.]	507.11	25.36
7	Artificial Pond	1 no. of Pond having capacity - 2,000 cum	10	0.50

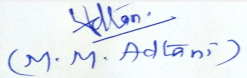
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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



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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 the junction					
Parking details:	Number and area of basement:	Not Applicable					
	Number and area of podia:	Not Applicable					
	Total Parking area:	2 Wheeler parking area - 11,358 m ² , Cycle parking area - 3,786 m ² , 4 Wheeler parking area - 500 m ² , Total parking area - 15,644 m ²					
	Area per car:	2 Wheeler - 4.2 m ² , Cycle - 1.4 m ² , 4 Wheeler - 25 m ²					
	Area per car:	2 Wheeler - 4.2 m ² , Cycle - 1.4 m ² , 4 Wheeler - 25 m ²					
	Number of 2-Wheelers as approved by competent authority:	2,704 nos.					
	Number of 4-Wheelers as approved by competent authority:	20 nos.					
	Public Transport:	Not applicable					
	Width of all Internal roads (m):	12 m, 9m internal roads and 4.5 m wide pathway.					
	CRZ/ RRZ clearance obtain, if any:	Not Applicable					
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Neral - Matheran bird sanctuary is 16.2 km from project site and Karnala bird sanctuary is 49 km					
	Category as per schedule of EIA Notification sheet	8 (a) B2 Category					
	Court cases pending if any	Not applicable					
	Other Relevant Informations	1. We are applying for the amendment in the environmental clearance. 2. Environmental clearance obtained vide file no. SEAC-2212/CR-470/TC-2 dated 21/02/2015.					
	Have you previously submitted Application online on MOEF Website.	No					
	Date of online submission	-					
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS							


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Shri M.M. Adtani (Chairman SEAC-II)

Summorised in brief information of Project as below.

Brief information of the project by SEAC

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

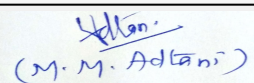
SEAC-AGENDA-0000000275



Mr. Surykant Nikam
(Secretary SEAC-II)

SEAC Meeting No: 101 (Day-2) Meeting Date:
May 31, 2019

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Shri M.M.Adtani (Chairman
SEAC-II)

Agenda of 101th SEAC-2 Day-2 meeting held on 31st May, 2019


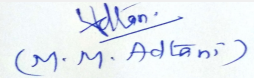
SEAC Meeting number: 101 (Day-2) Meeting Date May 31, 2019

Subject: Environment Clearance for Residential and commercial project with SRA Scheme by Khushi Builders & Developers

Is a Violation Case: No

1.Name of Project	Residential and commercial project with SRA Scheme
2.Type of institution	Private
3.Name of Project Proponent	Khushi Builders & Developers
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	C.T.S. No. 2603.(Pt.)
9.Taluka	Borivali
10.Village	Dahisar
Correspondence Name:	Veekaylal Investment co. Pvt. Ltd.
Room Number:	1017/18
Floor:	10th floor
Building Name:	Dalamal Tower
Road/Street Name:	-
Locality:	211, Nariman Point
City:	Mumbai 400021
11.Area of the project	MCGM
12.IOD/IOA/Concession/Plan Approval Number	SRA/ENG/3067/RN/PL/AP Dated 12.09.2014 IOD/IOA/Concession/Plan Approval Number: SRA/ENG/3067/RN/PL/AP Dated 12.09.2014 Approved Built-up Area: 13267.2
13.Note on the initiated work (If applicable)	Total Construction Area: 13240.40 m ² , The construction was carried out as per approval received vide No. SRA/ENG/3067/RN/PL/AP Dated 12.09.2014
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SRA/ENG/1958/RN/STGL/LOI Dated 14.01.2011
15.Total Plot Area (sq. m.)	4565.20 m ²
16.Deductions	980.94 m ²
17.Net Plot area	3584.26 m ²
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 24569.77 m ²
	b) Non FSI area (sq. m.): 15078.04 m ²
	c) Total BUA area (sq. m.): 39647.81
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 7800.83 m ²
	Approved Non FSI area (sq. m.): 5466.37 m ²
	Date of Approval: 12-09-2014
19.Total ground coverage (m2)	45.6%
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	45.6%
21.Estimated cost of the project	940000000

22.Number of buildings & its configuration


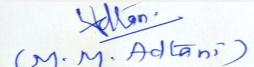
 Mr. Surykant Nikam (Secretary SEAC-II)	SEAC Meeting No: 101 (Day-2) Meeting Date: May 31, 2019	Page 54 of 86	 Shri M.M.Adtani (Chairman SEAC-II)
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Composite Bldg. [Rehab + Sale]	B + G + 22 F	68
2	Sale Bldg.	S+1st to 21F + service Floor + 22nd to 39F	119.25
23.Number of tenants and shops	Sale : 417 Nos., Shops: 09 Nos, Nursing Home-1 1 Health club. Rehab: 108 Nos. R/C: 5 Nos., PAP: 130 Nos. Balwadi:02, Welfare Center: 02 Nos., Soc. Office: 03 Nos, Health care:- 2 Nos, Library :- 2 Nos, Community Hall :- 1No, Rehab Shops: 18, etc.		
24.Number of expected residents / users	3330		
25.Tenant density per hectare	1466 tenements / 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))	13.4 m wide DP road and existing S. N. Dube Road		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	min 7.5 mt		
29.Existing structure (s) if any	Slums 261 Nos		
30.Details of the demolition with disposal (If applicable)	Demolition quantity: 2900 m3		

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

 Mr. Surykant Nikam (Secretary SEAC-II)	SEAC Meeting No: 101 (Day-2) Meeting Date: May 31, 2019	Page 55 of 86	 Shri M.M.Adtani (Chairman SEAC-II)
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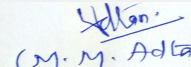
Dry season:	Source of water	MCGM								
	Fresh water (CMD):	298 m3/day								
	Recycled water - Flushing (CMD):	149 m3/day								
	Recycled water - Gardening (CMD):	2 m3/day								
	Swimming pool make up (Cum):	2 m3/day								
	Total Water Requirement (CMD) :	419 m3/day								
	Fire fighting - Underground water tank(CMD):	As per NBC								
	Fire fighting - Overhead water tank(CMD):	As per NBC								
	Excess treated water	266 m3/day								
Wet season:	Source of water	MCGM								
	Fresh water (CMD):	264.5 m3/day								
	Recycled water - Flushing (CMD):	149 m3/day								
	Recycled water - Gardening (CMD):	0								
	Swimming pool make up (Cum):	-								
	Total Water Requirement (CMD) :	417 m3/day								
	Fire fighting - Underground water tank(CMD):	As per NBC								
	Fire fighting - Overhead water tank(CMD):	As per NBC								
	Excess treated water	268 m3/day								
Details of Swimming pool (If any)	16.93 m x 4.05 m									
33.Details of Total water consumed										
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)			
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total	
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

34.Rain Water Harvesting (RWH)	Level of the Ground water table:	7 to 8 m
	Size and no of RWH tank(s) and Quantity:	2 Nos. 35 m ³ capacity each
	Location of the RWH tank(s):	Below Ground and basement
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 13 Lakh
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh/year
	Details of UGT tanks if any :	UG Tanks will be provided as per NBC
35.Storm water drainage	Natural water drainage pattern:	The natural slope of the area is towards west Side
	Quantity of storm water:	0.14 m ³ / sec
	Size of SWD:	450 mm
Sewage and Waste water	Sewage generation in KLD:	417 m ³ /day
	STP technology:	MBBR
	Capacity of STP (CMD):	2 STP , Total capacity 440 KLD (200 KLD and 240 KLD)
	Location & area of the STP:	Ground, Area: 225 m ²
	Budgetary allocation (Capital cost):	Rs. 94 Lakhs
	Budgetary allocation (O & M cost):	Rs. 17 Lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Construction Debris: 1019 m ³
	Disposal of the construction waste debris:	The Construction debris will be disposed as per Construction and Demolition Waste Management rule 2016, Materials such as steel, aluminum scrap, glass scrap will be given to authorized recyclers for recycling.
Waste generation in the operation Phase:	Dry waste:	670 kg/day
	Wet waste:	1004 kg/day
	Hazardous waste:	Household E waste
	Biomedical waste (If applicable):	20 kg/day
	STP Sludge (Dry sludge):	103 kg/day
	Others if any:	-


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Mode of Disposal of waste:	Dry waste:	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet waste will be composted using Organic Waste convertor and used as organic manure for landscaping.
	Hazardous waste:	-
	Biomedical waste (If applicable):	The Biomedical waste will be handed over to MPCB authorized vendor
	STP Sludge (Dry sludge):	STP Sludge will be used as manure
	Others if any:	-
Area requirement:	Location(s):	Ground
	Area for the storage of waste & other material:	110 m ²
	Area for machinery:	60 m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 25 Lakhs
	O & M cost:	Rs. 12 lakhs/year

37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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		

 Mr. Surykant Nikam (Secretary SEAC-II)	SEAC Meeting No: 101 (Day-2) Meeting Date: May 31, 2019	Page 58 of 86	 Shri M.M. Adtani (Chairman SEAC-II)
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43.Green Belt Development	Total RG area :	370.69 m2
	No of trees to be cut :	8 Nos.
	Number of trees to be planted :	50 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	After completion of construction activity

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


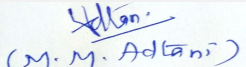
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	PONGAMIA PINNATA	Karanj	9	Ornamental Plant, Medicinal Plant
2	BAUHINIA PURPUREA	Apta	8	Small tree with small white flowers, butterfly host plant
3	AZADIRACHTA INDICA	Kadunimba	6	Medicinal Plant
4	BAUHINIA	Kanchan	7	Flowering Plant, Medicinal Plant
5	MANGIFERA INDICA	Aamba	4	Fruit Plant, Medicinal Plant
6	PLUMERIA ALBA	Chafa	10	Flowering Plant, Medicinal Plant
7	ALSTONIA SCHOLARIS	Saptaparni	6	Medicinal Plant
8	Total	-	50	-

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

 Mr. Surykant Nikam (Secretary SEAC-II)	SEAC Meeting No: 101 (Day-2) Meeting Date: May 31, 2019	Page 59 of 86	 Shri M.M.Adtani (Chairman SEAC-II)
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Power requirement:	Source of power supply :	Reliance
	During Construction Phase: (Demand Load)	150 KW
	DG set as Power back-up during construction phase	1 DG Set of 100 KVA
	During Operation phase (Connected load):	6.5 MW
	During Operation phase (Demand load):	1.8 MW
	Transformer:	Will be provided
	DG set as Power back-up during operation phase:	1 x 600 kVA, 1 x 250 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	No

48. Energy saving by non-conventional method:

Solar Hot water
Solar Street lighting in landscape area

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	<ul style="list-style-type: none"> • Natural shading through elevation features to minimise heat gain • LED Lights for Common and Habitable area • Energy efficient lifts and pumps • Solar water Heater System • Solar Street lighting in landscape area 	20.72%

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. 20 Lakh
	O & M cost:	Rs.1 Lakh/year

51. Environmental Management plan Budgetary Allocation

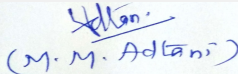
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	3
2	Site sanitation Facility and its maintenance	-	4
3	Potable Water Supply to Labour	-	3


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4	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	-	6
5	Health check-up & first aid	-	2
6	Solid waste management	-	4
7	Safety nets	-	5
8	Disinfection	-	2.5
9	Environmental Monitoring	-	2
10	TOTAL	-	31.5

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	STP of 175 KLD and 250 KLD capacity	94	17
2	Solar System	Solar water Heater System AND • Solar Street lighting in landscape area	35	2
3	Rain Water Harvesting	2 RWH Tanks (20 m3 and 35 m3)	13	1
4	Mechanical composting	OWC 600 kg/day & 400 kg/day capacity	25	12
5	Tree Plantation (Landscape Cost)	-	5	2
6	Environment Monitoring	-	-	2
7	Total		172	36

51.Storage of chemicals (inflammable/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

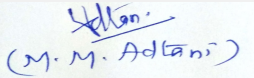
53.Traffic Management

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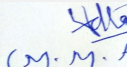

Shri M.M.Adtani (Chairman SEAC-II)

Parking details:	Number and area of basement:	One basement for composite building, 1065.86 m2
	Number and area of podia:	Nil
	Total Parking area:	2210 m2
	Area per car:	20.8 m2
	Area per car:	20.8 m2
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	106 Nos.
	Public Transport:	Auto Rickshaws, Taxis available within 500 mt Bus stop available within 1.0 km
	Width of all Internal roads (m):	Minimum 6.00 mt wide drive-ways
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	300 m from SGNP. Project is located outside the SGNP boundary
	Category as per schedule of EIA Notification sheet	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		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		


Mr. Surykant Nikam
 (Secretary SEAC-II)

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SEAC-II)

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

PP informed that, the project under consideration is proposed new SRA Scheme project. PP further stated that, the total plot area of the project is 4565.20 Sq.mt having total construction area 39647.81 Sq. mt. (FSI - 24569.77 Sq.mt + NON FSI- 15078.04Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Composite Bldg. [Rehab + Sale]	B + G + 22 F	68
Sale Bldg.	S+1st to 21F + service Floor +22nd to 39F	119.25

It is noted that the project earlier considered in 91st SEAC-2 Meeting held on 07-03-2019) & deferred as requested by PP to grant some time.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) Committee noted that, PP have constructed 1 building upto B+G+ 15th Floors having FSI area of 7800.83 m2, Non FSI area of 5439.57 m2 and Total construction area of 13,240.40 m2 area, PP & Environment Consultant need to be submit the explanatory note for the same along with the chronology of the project.

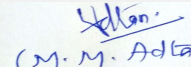
FINAL RECOMMENDATION

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


Mr. Surykant Nikam
(Secretary SEAC-II)

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(M. M. Adtani)
Shri M.M.Adtani (Chairman
SEAC-II)

Agenda of 101th SEAC-2 Day-2 meeting held on 31st May, 2019


SEAC Meeting number: 101 (Day-2) Meeting Date May 31, 2019

Subject: Environment Clearance for VILLA REALCON LLP

Is a Violation Case: No


1.Name of Project	VILLA REALCON LLP
2.Type of institution	Private
3.Name of Project Proponent	Mr. Prabhulal Patel
4.Name of Consultant	Building Environment India pvt Ltd, 4th Floor, Plot No.2, Dakshina Building, Sector 11, C.B.D Belapur, Navi Mumbai, Maharashtra 400614 Contact Number - 9930083917
5.Type of project	Housing
6.New project/expansion in existing project/modernization/diversification in existing project	New Construction
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot no. 1,2,3,4,5,6,7, Sector 25, kamothe
9.Taluka	Panvel
10.Village	Panvel
Correspondence Name:	Mr. Prabhulal Patel
Room Number:	Shop No. 18
Floor:	--
Building Name:	Shiv Chambers
Road/Street Name:	plot no 21, sector 11
Locality:	Kamothe
City:	Navi Mumbai
11.Area of the project	PANVEL MUNICIPAL CORPORATION
12.IOD/IOA/Concession/Plan Approval Number	Applied For LOI to Commissioner Panvel Municipal Corporation
	IOD/IOA/Concession/Plan Approval Number: Applied For LOI to Commissioner Panvel Municipal Corporation
	Approved Built-up Area: 12484.387
13.Note on the initiated work (If applicable)	None
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Applied for
15.Total Plot Area (sq. m.)	8323.550 Sq. M
16.Deductions	nil
17.Net Plot area	8323.550 Sq. M
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 12484.387
	b) Non FSI area (sq. m.): 25940.164
	c) Total BUA area (sq. m.): 38424.551
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): 12484.387
	Approved Non FSI area (sq. m.): 25940.164
	Date of Approval: 31-03-2018
19.Total ground coverage (m2)	5255.520
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	63.14
21.Estimated cost of the project	1133801109

22.Number of buildings & its configuration


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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1 Wing A	G+ 2 Level Podium Parking + 1 Podium Garden +10 Floors	40.3
2	Building 1 Wing B	G+ 2 Level Podium Parking + 1 Podium Garden +11Floors	43
3	Building 2 Wing C	G+ 2 Level Podium Parking + 1 Podium Garden +11Floors	43
4	Building 2Wing D	G+ 2 Level Podium Parking + 1 Podium Garden +10 Floors	40.3

23.Number of tenants and shops	Commercial units 55 Nos. Residential units 330 Nos.
24.Number of expected residents / users	1362 (Residential) + 220 (Commercial)
25.Tenant density per hectare	306
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	20.0 m.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA


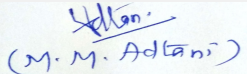
31.Production Details

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

 Mr. Surykant Nikam (Secretary SEAC-II)	SEAC Meeting No: 101 (Day-2) Meeting Date: May 31, 2019	Page 65 of 86	 Shri M.M.Adtani (Chairman SEAC-II)
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Dry season:	Source of water	Panvel Muncipal Corporation							
	Fresh water (CMD):	142.49							
	Recycled water - Flushing (CMD):	75.51 m3/day							
	Recycled water - Gardening (CMD):	10.11 m3/day							
	Swimming pool make up (Cum):	2.743 m3/day							
	Total Water Requirement (CMD) :	228.10 m3/day							
	Fire fighting - Underground water tank(CMD):	150 CUM							
	Fire fighting - Overhead water tank(CMD):	10 CUM							
	Excess treated water	107.62 m3/day							
Wet season:	Source of water	Panvel Muncipal Corporation							
	Fresh water (CMD):	142.49							
	Recycled water - Flushing (CMD):	75.51 m3/day							
	Recycled water - Gardening (CMD):	0							
	Swimming pool make up (Cum):	2.743 m3/day							
	Total Water Requirement (CMD) :	217.99 m3/day							
	Fire fighting - Underground water tank(CMD):	150 CUM							
	Fire fighting - Overhead water tank(CMD):	10 CUM							
	Excess treated water	117.73 m3/day							
Details of Swimming pool (If any)	TOTAL DAILY SWIMMING POOL = 2.743 cum/day = MAKEUP WATER 0.61cum/day + BACKWASH 2.133 cum/day) Swimming Pool Area = 48.00 above podium								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	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

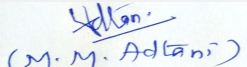
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	0.0 m to 2.1 m from ground level
	Size and no of RWH tank(s) and Quantity:	142 CUM
	Location of the RWH tank(s):	Under Ground Level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	600000
	Budgetary allocation (O & M cost) :	100000/Year
Details of UGT tanks if any :	<p>RESIDENTIAL: DOMESTIC TANK UG= 205 CUM FLUSHING TANK UG=118 CUM DOMESTIC TANK OH= 68 CUM FLUSHING TANK OH= 40 CUM</p> <p>COMMERICAL: DOMESTIC TANK UG= 10 CUM FLUSHING TANK UG= 12 CUM DOMESTIC TANK OH= 2 CUM FLUSHING TANK OH= 4 CUM</p> <p>FIRE TANK: FIRE TANK UG= 150 CUM FIRE TANK OH=10 CUM (ON EACH TOWER)</p> <p>RWH tank 142 CUM</p>	
35.Storm water drainage	Natural water drainage pattern:	as per natural drainage pattern
	Quantity of storm water:	296.14 CUM./HR
	Size of SWD:	No.of Trench 2 no.s, AREA OF TRENCH : 0.09 m ² ,WIDTH OF TRENCH IN MM: 300 ,ASSUME DEPTH OF THE TRENCH IN MM: 400
Sewage and Waste water	Sewage generation in KLD:	203.41 m ³ /day
	STP technology:	MBBR
	Capacity of STP (CMD):	1 and 210 m ³ /day
	Location & area of the STP:	under ground level
	Budgetary allocation (Capital cost):	3500000
	Budgetary allocation (O & M cost):	400000/Year
36.Solid waste Management		


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Waste generation in the Pre Construction and Construction phase:	Waste generation:	1921.22755 tonnes
	Disposal of the construction waste debris:	Debris & excavated material generated shall be disposed by covered trucks to the authorized sites with permission from Panvel Municipal corporation
Waste generation in the operation Phase:	Dry waste:	0.38TPD
	Wet waste:	0.30TPD
	Hazardous waste:	Waste oil from DG sets
	Biomedical waste (If applicable):	N/A
	STP Sludge (Dry sludge):	51 Kg/day
	Others if any:	N/A
Mode of Disposal of waste:	Dry waste:	Handed over to Panvel Municipal Corporation
	Wet waste:	OWC & used at site / as manure
	Hazardous waste:	it will be disposed through authorised agency
	Biomedical waste (If applicable):	N/A
	STP Sludge (Dry sludge):	Will be used as manure and remaining will be sold to near by nursery
	Others if any:	N/A
Area requirement:	Location(s):	Ground level
	Area for the storage of waste & other material:	As above
	Area for machinery:	72 Sq. mt
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	15 lakhs
	O & M cost:	3 lakhs/annum



37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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

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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 :	876.498S q.m			
		No of trees to be cut :	Nil			
		Number of trees to be planted :	104 no.s			
		List of proposed native trees :	Attached			
		Timeline for completion of plantation :	through out the construction period			
44.Number and list of trees species to be planted in the ground						
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance		
1	Attached	Attached	Attached	Attached		
45.Total quantity of plants on ground						
46.Number and list of shrubs and bushes species to be planted in the podium RG:						
Serial Number	Name	C/C Distance	Area m2			
1	Nil	Nil	Nil			
47.Energy						

Power requirement:	Source of power supply :	MSED Co. Ltd / CIDCO
	During Construction Phase: (Demand Load)	1805 KWS
	DG set as Power back-up during construction phase	One 200 kVA DG
	During Operation phase (Connected load):	3899 KWS
	During Operation phase (Demand load):	1805 KWS
	Transformer:	4X630 KVA
	DG set as Power back-up during operation phase:	One 200 KVA DG
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48. Energy saving by non-conventional method:

Solar PV panels and Solar hot water system

49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Savings due to lamp	22%
2	Savings due to electronic ballast	18%
3	Savings due to timer / sensor	50%
4	Savings within apartment with use of energy efficient motors, Star rated geysers and AC	15%
5	TOTAL AVERAGE ANNUAL ENERGY SAVINGS WITH SOLAR WATER HEATING + SOLAR PV PANELS :	2.51%
6	AVERAGE ANNUAL ENERGY SAVINGS	24%


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:	15
	O & M cost:	5

51. Environmental Management plan Budgetary Allocation

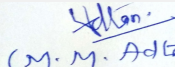
a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Dust pollution control	2


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2	Health and Safety	Site Sanitation, Disinfection & Health Check Up	5
3	Environment Monitoring	Environmental Monitoring of air, noise, soil and water	4.5
4	Noise Environment	Barricading, Screens along perimeter of site	10
5	Green Area Development	Landscaped area development	4
6	EM Cell	EM cell	3
7	DMP	DMP equipments Firefighting equipments, Disaster Management Kit (First Aid Facility, Stretcher, A portable battery-powered radio, Flashlight and extra batteries, First aid kit and first aid manual, Safety shoes, helmets, Hand gloves, fire mask, fire blanket, Axe, Cutter), Well-equipped Control Room, CCTV, 2 way Public announcement system, Personal Protective equipments	67.42
8	maintenance of construction equipment	Periodic maintenance of construction equipment	1.5

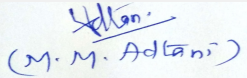
b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Wastewater Treatment	STP (MBBR technology)	35	4
2	Rain Water Harvesting	RWH	6	1
3	Green Area Development	Landscaped area	covered in Construction phase	0.5
4	Solid waste Management	Solid waste management	15	3
5	Energy Conservation	Energy conservation	15	5
6	DMP	DMP equipments Fire fighting equipments, Disaster Management Kit (First Aid Facility, A portable battery-powered radio, Flashlight and extra batteries, First aid kit and fire mask, fire blanket, Axe, Cutter), Well-equipped Control Room, CCTV, 2 way Public announcement system.	--	7.64


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7	EM Cell	EM cell	covered in Construction phase	0.4
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51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)


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

52.Any Other Information

No Information Available

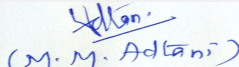
53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	one
Parking details:	Number and area of basement:	N/A
	Number and area of podia:	3 Nos. Area = 11662.757 Sq. M
	Total Parking area:	11662.757 Sq. M
	Area per car:	39 Sq. M
	Area per car:	39 Sq. M
	Number of 2-Wheelers as approved by competent authority:	23
	Number of 4-Wheelers as approved by competent authority:	299 as per GDCR. including visitor
	Public Transport:	N/A
	Width of all Internal roads (m):	6m
	CRZ/ RRZ clearance obtain, if any:	.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	13.7 Km Karnala Bird Sanctuary
	Category as per schedule of EIA Notification sheet	8B2
	Court cases pending if any	NIL


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	Other Relevant Informations	NIL
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS		
Summorisred in brief information of Project as below.		
Brief information of the project by SEAC		

SEAC-AGENDA-0000000275

Representative of PP was present during the meeting along with environmental consultant M/s. Building Environment India pvt Ltd.


PP informed that, the project under consideration is *proposed new housing construction*. PP further stated that, the total plot area of the project is 8323.550 Sq.mt. having total construction area 38424.551Sq.mt(FSI - 12484.387 sq.mt +NON FSI- Total - 25940.164 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building 1 Wing A	G+ 2 Level Podium Parking + 1 Podium Garden +10 Floors	40.3
Building 1 Wing B	G+ 2 Level Podium Parking + 1 Podium Garden +11Floors	43
Building 2 Wing C	G+ 2 Level Podium Parking + 1 Podium Garden +11Floors	43
Building 2Wing D	G+ 2 Level Podium Parking + 1 Podium Garden +10 Floors	40.3

It is noted that the project earlier considered in 94th SEAC-2 Meeting held on 02-04-2019 & deferred with observations namely 1) to upload letter authorising person to represent him in the meeting. 2) to superimpose the plot lay out on CRZ map to confirm plot falls in CRZ or not. 3) to submit CRZ remarks & status of mangroves from CIDCO/Planning Authority. 4) to submit nalla remarks. Accordingly, PP Submitted the Compliance which was taken on record.

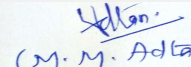
The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of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

DECISION OF SEAC


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In view of above, the proposal is deferred and will be appraised only after CRZ NOC is submitted by the PP.

Specific Conditions by SEAC:

1) Committee noted that, site is in the CRZ II as per the CZMP of 2011. PP to obtain CRZ NoC from MCZMA first.

FINAL RECOMMENDATION

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

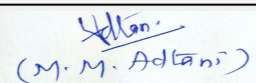
SEAC-AGENDA-0000000275



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Agenda of 101th SEAC-2 Day-2 meeting held on 31st May, 2019


SEAC Meeting number: 101 (Day-2) Meeting Date May 31, 2019

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


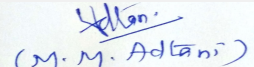

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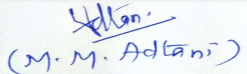
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Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)	
1	1 building with 2 wings	G+28	88.65m	
2	1 building with 2 wings	G+28	88.65m	
23.Number of tenants and shops	Residential 190			
24.Number of expected residents / users	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				

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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

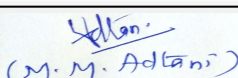
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34.Rain Water Harvesting (RWH)	Level of the Ground water table:	NA
	Size and no of RWH tank(s) and Quantity:	90 cum 1 no
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital 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


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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 Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	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

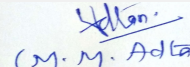
40. Details of Fuel to be used

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		


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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

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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

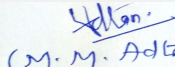
a) Construction phase (with Break-up):

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


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5	Socio Economic	Disinfection and Health Check-up	0.25 L
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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 (inflammable/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

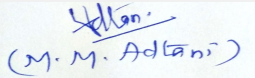
53.Traffic Management

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

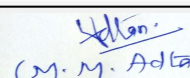
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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


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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

PP Mr. Mahesh Patel was present during the meeting along with environmental consultant M/s. Building Environment Pvt Ltd.


PP informed that, the project under consideration is *proposed new housing project*. PP further stated that, the total plot area of the project is 6318Sq.mt. having total construction area 23013.348 Sq.mt. (FSI - 9477 sq.mt + NON FSI 13577.08 sq.mt) and the building configuration is as follow-

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

It is noted that the project earlier considered in 76th SEAC-2 Meeting held on 26-10-2018 & deferred as PP was absent.

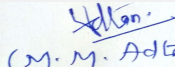
The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of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

DECISION OF SEAC


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During meeting PP requested for time to submit his say on the proposal, Committee agreed to this & hence, the proposal is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

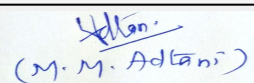
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