Agenda of 116th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 116 **Meeting Date** October 10, 2019

Subject: Environment Clearance for for Slum Rehabilitation Scheme at Plot bearing CTS No.-A/791 (part) of village Bandra (West), Nargis Dutt Nagar, K.C Marg, Bandra (West) for "Bandra Reclamation SRA CHS (Ltd)" & other 2 SRA CHS by M/s Roshni Developers Pvt. Ltd.

Is a Violation Case: No

1.Name of Project	Prior Environment Clearance for Slum Rehabilitation Scheme at Plot bearing CTS No.-A/791 (part) of village Bandra (West), Nargis Dutt Nagar, K.C Marg, Bandra (West) for "Bandra Reclamation SRA CHS (Ltd)" & other 2 SRA CHS by M/s Roshni Developers Pvt. Ltd.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Roshni Developers Pvt.Ltd.
4.Name of Consultant	M/s. Enviro Analysts & Engineers Pvt.Ltd.
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	It is a new Project
8.Location of the project	CTS No.-A/791 (part)
9.Taluka	Bandra (west)
10.Village	Bandra (west)
Correspondence Name:	Mr. Santosh Garud
Room Number:	Omkar House, Off eastern Express Highway, Opp. Sion-Chunnabhatti Signal, Sion (E), Mumbai -400 022.
Floor:	--
Building Name:	Omkar House
Road/Street Name:	Off Eastern express Highway , Opp. Sion-Chunnabhatti signal
Locality:	Sion (E)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	LOI
	IOD/IOA/Concession/Plan Approval Number: SRA/ENG/386/HW/MHL/LOI dated 30th Jan 2019
	Approved Built-up Area: 79867.81
13.Note on the initiated work (If applicable)	N.A.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SRA/ENG/386/HW/MHL/LOI dated 30th Jan 2019
15.Total Plot Area (sq. m.)	18016.61
16.Deductions	2001.94
17.Net Plot area	16014.67
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 133624.94
	b) Non FSI area (sq. m.): 131110.13
	c) Total BUA area (sq. m.): 264735.07
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 79867.81
	Approved Non FSI area (sq. m.): --
	Date of Approval: 30-01-2019
19.Total ground coverage (m2)	9213.72
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57.53

21.Estimated cost of the project	11965000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sale Buildings - 2 Nos	4Basements + Ground + amenity+ service floor+ 28 typical floor+ 1 terrace amenity floor	115 .00
2	Rehab building -(Wing A to C)	3Basement + Ground + 38 Upper Floors	117.80

23.Number of tenants and shops	Sale Buildings: Sale shops- 18 nos, Sale Units - 534 Nos. Rehab Buildings: Residential-1345 + R/C-7 + Comm-17 + Masjid-1 + Church-1 + Community Hall-1 + Existing Amenities-5 + Proposed Amenities -38
24.Number of expected residents / users	Sale:3134 Nos. Rehab:7749 Nos.
25.Tenant density per hectare	1068
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	27.45m wide DP Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	As per requirement
29.Existing structure (s) if any	Slums
30.Details of the demolition with disposal (If applicable)	Demolition will be carried out as per debris NOC

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	979
	Recycled water - Flushing (CMD):	496
	Recycled water - Gardening (CMD):	14
	Swimming pool make up (Cum):	35
	Total Water Requirement (CMD) :	1489
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	75 KLD on each staircase
	Excess treated water	626
Wet season:	**Source of water**	MCGM & RWH
	Fresh water (CMD):	979
	Recycled water - Flushing (CMD):	496
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	35
	Total Water Requirement (CMD) :	1475
	Fire fighting - Underground water tank(CMD):	400
	Fire fighting - Overhead water tank(CMD):	75 KLD on each staircase
	Excess treated water	640
Details of Swimming pool (If any)	35 KLD for 6 SP	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	To be provided during EIA study
	Size and no of RWH tank(s) and Quantity:	6 Nos of total 275 KLD capacity tanks
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	275 Lakhs
	Budgetary allocation (O & M cost) :	1.8 Lakhs
	Details of UGT tanks if any :	Sale Buildings:3 tanks of 50 cu.mts each. Rehab Buildings:3 tanks in each wing of total capacity 125 KLD.
35.Storm water drainage	**Natural water drainage pattern:**	To be provided during EIA study
	Quantity of storm water:	0.3 cum/sec
	Size of SWD:	750 mm dia
Sewage and Waste water	**Sewage generation in KLD:**	1332
	STP technology:	MBBR
	Capacity of STP (CMD):	2 Nos. of STP of 438 CUM and 900 CUM respectively.
	Location & area of the STP:	STP 1 (438 CUM) : Below Ground , STP 2 (900 CUM): 1ST TO 3RD Basement . (Areas To be provided during EIA study)
	Budgetary allocation (Capital cost):	146 Lakhs
	Budgetary allocation (O & M cost):	14.6 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	To be provided during EIA study
	Disposal of the construction waste debris:	To be provided during EIA study
Waste generation in the operation Phase:	**Dry waste:**	2666 kg/day
	Wet waste:	3029 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	13 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Authorized Recycler
	Wet waste:	OWC
	Hazardous waste:	--
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	To be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	30 sq.m
	Area for machinery:	180 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	33 Lakhs
	O & M cost:	3.5 Lakhs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	1250.24 sq.m
	No of trees to be cut :	As per tree NOC
	Number of trees to be planted :	63
	List of proposed native trees :	As below
	Timeline for completion of plantation :	At the end of Construction Phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	15	Medicinal tree
2	Michelia champaca	Son-chafa	15	Flowering/ornamental plant
3	Mangifera indica	Mango	15	Fruiting tree
4	Mimusops elengi	Bakul	18	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	--	--	--

47.Energy

Power requirement:	**Source of power supply :**	TATA / Adani
	During Construction Phase: (Demand Load)	200 kW
	DG set as Power back-up during construction phase	1 No. of 80 KVA
	During Operation phase (Connected load):	27,480 KW
	During Operation phase (Demand load):	11,740 KW
	Transformer:	11 Nos of 1000 KVA. and 3 Nos of 1500 KVA.
	DG set as Power back-up during operation phase:	2 Nos of 1600 KVA and 1 Nos of 750 KVA DG Set.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar Panels ,LED , VFD Drives , High efficiency equipment's

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy saving of project	To be provided during EIA study

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:**	300 Lakhs
	O & M cost:	30 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Sanitation	Toilets for labour + drinking water + first aid arrangement	11.00
2	EHS	Health, safety & first aid facility	15.00
3	Environmental Monitoring Cell	Environmental Monitoring	1.00
4	Environmental Monitoring (Noise, Water & Soil-Project site (2 times a year)	Environmental Monitoring (Noise, Water & Soil-Project site (4 times a year)	2.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	Rain Water Harvesting	275	1.8
2	Water Environment	STP	146	14.6
3	Renewable Energy	Solar Energy	300	30
4	Solid Waste Management	OWC	8	1
5	Land Environment	Landscaping	Will be provided during EIA	Will be provided during EIA

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

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

52.Any Other Information

No Information Available		
53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	2 Roads abutting the plot
Parking details:	**Number and area of basement:**	Sale Buildings :4 Nos of basement with 8770 sq.mts area each ,Rehab Buildings: 3 Nos of basment with 9974.85 sq.mts total area
	Number and area of podia:	N.A.
	Total Parking area:	45051
	Area per car:	To be provided during EIA study
	Area per car:	To be provided during EIA study
	Number of 2-Wheelers as approved by competent authority:	Nil
	Number of 4-Wheelers as approved by competent authority:	1569
	Public Transport:	NA
	Width of all Internal roads (m):	Sale Buildings: 9 m , Rehab Buildings:6 m
	CRZ/ RRZ clearance obtain, if any:	ince the construction activity is proposed only on plot not affected by CRZ hence CRZ NOC is not required on the basis of circular issued by MCZMA u/no. MCZMA-2016/CR-22/T.C.-4 dated 14th December 2018.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	To be provided during EIA Study
	Category as per schedule of EIA Notification sheet	Schedule 8(b) Category B
	Court cases pending if any	Nil
	Other Relevant Informations	The details provided are as per the full potential of the project anticipating future expansion
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was present during the meeting along with environmental consultant M/s. Enviro Analysts & Engineers Pvt.Ltd..

PP informed that, the project under consideration is *new SRA scheme project. PP further stated that, t*he total plot area of the project is 18016.61 Sq.mt. having total construction area 264725.06Sq.mt. (FSI – 127305.38 sq.mt + NON FSI- 13749.68 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Sale Buildings - 2 Nos	4Basements + Ground + amenity+ service floor+ 28 typical floor+ 1 terrace amenity floor	115 .00
Rehab building -(Wing A to C)	3Basement + Ground + 38 Upper Floors	117.80

It is noted that the project earlier considered in 106th Meeting held on 20-07-2019 & deferred due to 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 (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record. Layout showing location of services including environmental infrastructure has

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP submitted the undertaking regarding 156.90 Sq.mt plot area which is affected by CRZ II, the FSI of the same is not considered under the proposal. PP to obtain the CRZ NoC, if required as per CRZ Notification, 2011.
2) PP to submit the CFO NoC.
3) PP to explore the possibility to increase the solar energy saving from 3.3 % to 5%.
4) Committee noted that Mechanical parking is provided for rehab buildings. PP to explore the other possibility to provide other type of parking by relocating or rearrange those 90 car parking.
5) PP to ensure that Derbies management should be as per Construction and Demolition Waste Management Rules 2016.
6) PP to upload the design & cross section of STPs indicating minimum 40% area open to sky for adequate ventilation
7) PP to submit the detail design & calculation of SWD dully approved by local planning authority.
8) PP to obtain the NoC from Petroleum and Explosives Safety Organisation (PESO) for DG set, if required.
9) PP to conduct the Noise level modelling for the project site.

FINAL RECOMMENDATION

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

Agenda of 116th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 116 **Meeting Date** October 10, 2019

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

Is a Violation Case: No

1.Name of Project	Mohan Alcoves
2.Type of institution	Private
3.Name of Project Proponent	Mr. Manohar Manchandya
4.Name of Consultant	NA
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 31,32/1/1, 32/1/2, 32/2 &221
9.Taluka	Ambarnath
10.Village	Valivali
Correspondence Name:	Mr. Manohar Manchandya
Room Number:	na
Floor:	NA
Building Name:	Mohan Plaza, G1
Road/Street Name:	Next to Mohan Pride, Wayle Nagar
Locality:	Khadakpada
City:	Kalyan (W) - 421 301, India.
11.Whether in Corporation / Municipal / other area	Kulgaon-Badlpur Municipal council
12.IOD/IOA/Concession/Plan Approval Number	In Process
	IOD/IOA/Concession/Plan Approval Number: In Process
	Approved Built-up Area: 55548.67
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	21190.00 Sq. M
16.Deductions	4423.76 Sq. M
17.Net Plot area	16766.23 Sq. M
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 35659.34
	b) Non FSI area (sq. m.): 19889.33
	c) Total BUA area (sq. m.): 55548.67
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	2011.94
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	12
21.Estimated cost of the project	1500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	A1	G + 14	42.30
2	A2	G + 14	42.30
3	B3	G + 15	46.15
4	B4	G + 15	46.15
5	C5	G + 15	46.15
6	C6	G + 15	46.15
7	D7	G + 15	46.15
8	E8	G + 4	14.70
9	F9	G+12	36.60

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

31.Production Details

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

32.Total Water Requirement

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

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not Applicable	371	371	Not Applicable	36.63	36.63	Not Applicable	499.01	499.01
Gardening	Not Applicable	11.17	11.17	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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

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

36.Solid waste Management

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

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

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

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

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

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

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

47.Energy

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

48.Energy saving by non-conventional method:

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

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Erosion Control	Dust suppression	25
2	Site safety	Nets, barricading	10
3	Site sanitation	Public toilets	5
4	Disinfection & health check up	For labours	5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	To treat waste water - STP of 520 m3/day proposed	77	1.33
2	Rain Water Harvesting	12 no. of RWH pits will be proposed during operation phase	42	0.48
3	Storm Water Networking (including external line connection)	Internal & external storm water line connection	42	1
4	Solid Waste Management	For mechanized composting unit	18	6.5
5	Green Belt Development	290 no. of trees will be planted	94	9
6	Solar Water Heater	To save electrical energy proposing the solar water heaters	84	7
7	Environmental Monitoring	To maintain the provided environmental services	0	1.60
8	Safety & Awareness Training	For labours	5	0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	3
Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	4120 Sq.m
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	1040
	Number of 4-Wheelers as approved by competent authority:	105
	Public Transport:	NA
	Width of all Internal roads (m):	6 mt
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Category B- 8 (a)
	Court cases pending if any	Nil
	Other Relevant Informations	Nil
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is new housing project. *PP further stated that, t*he total plot area of the project is 21190.00Sq.mt. having total construction area 55548.67Sq.mt. (FSI - 35659.34 Sq.mt. + NON FSI- 19889.33 Sq.mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
A1	G + 14	42.30
A2	G + 14	42.3
B3	G + 15	46.15
B4	G + 15	46.15
C5	G + 15	46.15
C6	G + 15	46.15
D7	G + 15	46.15
E8	G + 4	14.70
F9	G+12	36.60

It is noted that the project earlier considered in 60th & 76th Meeting held on 21/4/2018 & 26/10/2019. In 76th meeting PP was absent, hence project was deferred.

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. Layout showing location of services including environmental infrastructure has been considered by the committee.

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) Local body to ensure that no occupation certificate is given to the project until sewer lines is developed and connected to the project
2) PP to ensure that, the driveway map submitted in reply to compliance point no 4 i.e ”PP to revise & submit fire tender movement plan showing access all around the building” to be adhere to & also to get approved from council.
3) PP to submit the red/blue line of Ulhas River from water resource Department.

FINAL RECOMMENDATION

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

Agenda of 116th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 116 **Meeting Date** October 10, 2019

Subject: Environment Clearance for Amendment in Environment Clearance of Proposed Residential project "Auralis" under MMRDA Rental Housing Scheme at Plot bearing CTS No. 136/B, village Hajuri, Thane (West) by Deep Homes & Constructions LLP.

Is a Violation Case: No

1.Name of Project	Proposed Residential project "Auralis" under MMRDA Rental Housing Scheme at Plot bearing CTS No. 136/B, village Hajuri, Thane (West) by Deep Homes & Constructions LLP.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Deep Homes & Constructions LLP. Mr. Raju Khetwani
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd. Thane
5.Type of project	Residential project under MMRDA Rental Housing Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in Existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	We have received Environment Clearance from Government of Maharashtra vide file no. SEAC-2013/CR-342/TC-1 dated 04th September, 2014.
8.Location of the project	Plot bearing CTS No. 136/B, village Hajuri, Thane (West)
9.Taluka	Thane
10.Village	Hajuri
Correspondence Name:	Mr. Raju Khetwani
Room Number:	1304
Floor:	-
Building Name:	Dev Corpora
Road/Street Name:	Shree Ganesh Mandir Marg
Locality:	Cadbury Junction
City:	Thane-400601
11.Whether in Corporation / Municipal / other area	Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	We have applied to Thane Municipal Corporation (TMC)
	IOD/IOA/Concession/Plan Approval Number: We have applied to Thane Municipal Corporation (TMC)
	Approved Built-up Area: 31881
13.Note on the initiated work (If applicable)	Total Constructed Work (FSI + Non FSI): 53,527 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI from MMRDA received dt. 16.11.2010
15.Total Plot Area (sq. m.)	8,420 m2
16.Deductions	421 m2
17.Net Plot area	7,999 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 31,881 m2
	b) Non FSI area (sq. m.): 32,258 m2
	c) Total BUA area (sq. m.): 64139
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 31,881 m2
	Approved Non FSI area (sq. m.): 32,258 m2
	Date of Approval: 12-06-2019
19.Total ground coverage (m2)	4,308 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57.85%
21.Estimated cost of the project	1010000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No.1 (Sale)	Basement + Ground + Upper Stilt + 32nd Floors	103
2	Building No.2 (Sale)	Basement + Ground + Upper Stilt + 28th Floors	89.7
3	Building No.3 (MMRDA)	Stilt + 20th floors	61.35

23.Number of tenants and shops	Sale flats: 229 no. Rental flats: 462 no. Total flats: 691 no.
24.Number of expected residents / users	3,475 no.
25.Tenant density per hectare	987 tenants/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Nearest fire station is at 0.5 km distance. The project is accessed by 18 m wide road and Eastern Express Highway.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Thane Municipal Corporation (TMC)
	Fresh water (CMD):	314
	Recycled water - Flushing (CMD):	155
	Recycled water - Gardening (CMD):	7
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	469
	Fire fighting - Underground water tank(CMD):	350
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	246
Wet season:	**Source of water**	Thane Municipal Corporation (TMC)
	Fresh water (CMD):	314
	Recycled water - Flushing (CMD):	155
	Recycled water - Gardening (CMD):	7
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	469
	Fire fighting - Underground water tank(CMD):	350
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	250
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4 to 5 m
	Size and no of RWH tank(s) and Quantity:	2 nos. of RWH Tanks of Total capacity 150 m3.
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	3 nos. of recharge pits
	Size of recharge pits :	2 m x 2 m
	Budgetary allocation (Capital cost) :	Rs.18 Lakh
	Budgetary allocation (O & M cost) :	Rs.2 Lakh/year
	Details of UGT tanks if any :	Domestic: 103 m3 Flushing: 51 m3
35.Storm water drainage	**Natural water drainage pattern:**	Towards South side
	Quantity of storm water:	853 m3/hr
	Size of SWD:	450 mm
Sewage and Waste water	**Sewage generation in KLD:**	422 m3/day
	STP technology:	Moving Bed Biofilm Reactor (MBBR)
	Capacity of STP (CMD):	2 nos. with capacity of 183 m3/day for Sale Buildings and 300 m3/day for Rental Building
	Location & area of the STP:	Location - Basement; Area of STP –288 m2
	Budgetary allocation (Capital cost):	Rs.70 Lakh
	Budgetary allocation (O & M cost):	Rs.20 Lakh/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	10 kg/day
	Disposal of the construction waste debris:	Sent to authorized vendor.
Waste generation in the operation Phase:	**Dry waste:**	695 kg/day
	Wet waste:	1,043 kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	4 kg/day
	Others if any:	Not applicable

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers.
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Sludge can be used as manure for gardening.
	Others if any:	Not applicable
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	20 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.25 Lakh
	O & M cost:	Rs.15 Lakh/year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	1,314 m2
	No of trees to be cut :	Trees to be cut: 38 nos. Trees to be retained: 34 nos., Total nos. of Existing trees - 72 nos.
	Number of trees to be planted :	224 nos.
	List of proposed native trees :	Azadirachta Indica; Alstonia Scholoris; Murraya Paniculata, Albizzia Lebbeck; Polyalthea Longifolia; Bombax Cebia; Michelia Champaca
	Timeline for completion of plantation :	1-2 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	Azadirachta indica	Neem	17	Neem is a fast-growing tree, height is 15-20m. Evergreen tree. Use as a vegetable & in traditional medicinal purpose
2	Alstonia Scholoris	Satwin	34	Shady Tree, white fragrant flowers
3	Murraya Paniculata	Kunti	10	Small tree, Fragrant white flowers, Butterfly host plant
4	Albizzia lebbeck	Shirish	24	Shady tree, yellowish green fragrant flowers.
5	Polyalthea Longifolia	Ashoka	115	Ashoka is a rain forest tree. The Ashoka is prized for its beautiful foliage and fragrant flowers. Small erect evergreen tree.
6	Bombax Cebia	Katesavar	12	Small tree, Fragrant white flowers, Butterfly host plant
7	Michelia Champaca	Son Chapha	12	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
8	Total	-	224	-
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	2,598 nos of shrubs & bushes species to be planted in the podium RG	-	-

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	100 kVA
	During Operation phase (Connected load):	5 MW
	During Operation phase (Demand load):	4 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	1 x 380, 1 x 750 & 1 x 1,000 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Not applicable

48.Energy saving by non-conventional method:

The following Energy Conservation Methods are proposed in the project:
? Energy saving measures: Solar Systems & LED.
? Details calculation & % of saving: 27.68%

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1. Use of energy efficient, BEE labeled electrical fixtures, solar powered lighting in external common area. Use of T5 tubes having 2.5 to 3 times life over conventional tubes and hence rate of disposal of tubes will be reduced drastically. 2. Energy efficient fluorescent tube lights & Light Emitting Diode (LED) lamps which give approx. 30% more light output for the same watts consumed and therefore require less nos. of fixtures. 3. Solar Electrical Power + LED lighting is complimentary in Resid	27.68%

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Air Environment	Water spray for dust suppression	2
2	Site Sanitation	Toilets, safe drinking water, mobile STP	3
3	Environmental Monitoring	pH, Colour, Odour, Turbidity, Total Hardness etc.	3
4	Storm water management	Storm water drains	2
5	Disinfection	Cleaning	1
6	Health & Safety	Health Checkup & first aid, Safety jacket, Safety shoes, Helmet, Belt.	10
7	Training and awareness	-	2
8	Total	-	23

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 (Tertiary)	Continuous O & M Environment Monitoring: Monthly, STP outlet water quality for pH, BOD, COD, SS and O&G	70	20
2	Solar System	Cleaning of Surface of Panel Six monthly	24	3
3	Rain water Harvesting	Channelizing and maintenance of rain water harvesting	18	2
4	Solid Waste Management	Composting	25	15
5	Landscape Development including tree plantation along with the plot boundary	RG Area	30	6
6	Fire fighting	-	78	6
7	Total	-	245	52

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

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

52.Any Other Information

No Information Available

53.Traffic Management		
	Nos. of the junction to the main road & design of confluence:	1 no. of the junctions
Parking details:	**Number and area of basement:**	1 no. basement having Basement area: 3,763 m2
	Number and area of podia:	1 no. Podium having Podium area: 3,661 m2
	Total Parking area:	7,689 m2
	Area per car:	Basements - 35 m2, Podium floors - 30 m2, Stilt - 30 m2
	Area per car:	Basements - 35 m2, Podium floors - 30 m2, Stilt - 30 m2
	Number of 2-Wheelers as approved by competent authority:	240 no.
	Number of 4-Wheelers as approved by competent authority:	458 no.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	12 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8(a) B2 Category
	Court cases pending if any	Not applicable
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is *expansion in existing residential project under MMRDA rental housing scheme project. PP further stated that, t*he total plot area of the project is 8,420 Sq.mt having total construction area 56008 Sq.mt.(FSI – 31,881 sq.mt +NON FSI- 24127 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building No.1 (Sale)	Basement + Ground + Upper Stilt + 32nd Floors	103
Building No.2 (Sale)	Basement + Ground + Upper Stilt + 28th Floors	89.7
Building No.3 (MMRDA)	Stilt + 20th floors	61.35

It is noted that, Project has received Environmental clearance vide letter dated 04th September, 2014. PP stated that, there is vertical expansion by 4 floors in building no 1 proposed under this project.

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. Layout showing location of services including environmental infrastructure has

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) Committee noted that, PP have circulated the revised CS,PP to revised the same online also.
2) Committee noted that, there is change in nomenclature of the building configuration i.e in EC the configuration of building No.1 is B+G + upper stilt+28 floors, but in architect certificate it is mentioned as B+G+ upper stilt/podium+28 floors. PP to submit the revised dated Architect certificate addressing to committee regarding building wise construction (Configuration, FSI, NoN-FSI, TBUA) approvals from local Authority, actual construction done and proposed expansion.
3) Local planning authority to ensure the structural stability of building for which vertical expansion is proposed.
4) PP to submit the copy of plan submitted during the earlier EC.
5) PP to submit the affidavit regarding the status of proposed shops.

FINAL RECOMMENDATION

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

Agenda of 116th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 116 **Meeting Date** October 10, 2019

Subject: Environment Clearance for Proposed residential Building development at Gut No. 188/3, 188/4A, 188/4B, 188/4C, 188/4D, 188/7, 189/2, 190/1, 190/2, 190/3, 192/1, 192/2, 193/0, 194/0, 195/2, 195/3, 195/5, 195/6, 195/7, 195/8, 195/9, 198/3, 198/4, 198/5, 198/6, 198/7, 200/1, 200/2, 200/3, 200/4, 201/0 Shivkar, Panvel, Raigad.

Is a Violation Case: No

1.Name of Project	Utsav City
2.Type of institution	Private
3.Name of Project Proponent	Today Micron Developers
4.Name of Consultant	Building Environment India Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Gut No. 188/3, 188/4A, 188/4B, 188/4C, 188/4D, 188/7, 189/2, 190/1, 190/2, 190/3, 192/1, 192/2, 193/0, 194/0, 195/2, 195/3, 195/5, 195/6, 195/7, 195/8, 195/9, 198/3, 198/4, 198/5, 198/6, 198/7, 200/1, 200/2, 200/3, 200/4, 201/0
9.Taluka	Panvel
10.Village	Village- Shivkar
Correspondence Name:	Bhadresh Rajesh Shah
Room Number:	Office No. 605
Floor:	6th Floor
Building Name:	Shelton Cubic
Road/Street Name:	Plot No. 87, Sector-15
Locality:	CBD Belapur
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	NAINA
12.IOD/IOA/Concession/Plan Approval Number	Part CC received: CIDCO/NAINA/PANVEL/SHIVKAR/BP-332/AMENDED CC/2018/2492, Dated 10/12/2018
	IOD/IOA/Concession/Plan Approval Number: Part CC received: CIDCO/NAINA/PANVEL/SHIVKAR/BP-332/AMENDED CC/2018/2492, Dated 10/12/2018
	Approved Built-up Area: 12024.543
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Part CC received: CIDCO/NAINA/PANVEL/SHIVKAR/BP-332/AMENDED CC/2018/2492, Dated 10/12/2018
15.Total Plot Area (sq. m.)	33450.00 Sq. Mt.
16.Deductions	4062.245 Sq. Mt. (Existing Road area: 756.809 Sq. Mt. + Proposed 27 Mt. wide D.P. road: 1708.054 Sq. Mt. + Proposed 12 Mt. wide D.P. road: 46.433 Sq. Mt. + Amenity- 1550.949 Sq. Mt.)
17.Net Plot area	29387.755 Sq. Mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 26780.458 Sq. Mt.
	b) Non FSI area (sq. m.): 16922.531 Sq. Mt.
	c) Total BUA area (sq. m.): 43702.989
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 26780.458 Sq. Mt.
	Approved Non FSI area (sq. m.): 16922.531 Sq. Mt.
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	5592.805 Sq. Mt.

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.03 %
21.Estimated cost of the project	351054296

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1	Ground + Upper 7 floors (56 Flats)	23.65 Meters
2	Building No. 2	Ground + Upper 7 floors (56 Flats)	23.65 Meters
3	Building No. 3	Ground + Upper 7 floors (56 Flats)	23.65 Meters
4	Building No. 4	Ground + Upper 7 floors (56 Flats)	23.65 Meters
5	Building No. 5	Ground + Upper 7 floors (56 Flats)	23.65 Meters
6	Building No. 6	Ground + Upper 7 floors (56 Flats)	23.65 Meters
7	Building No. 7	Ground + Upper 7 floors (28 Flats)	23.65 Meters
8	Building No. 8	Ground + Upper 7 floors (42 Flats)	23.65 Meters
9	Building No. 9	Ground + Upper 7 floors (28 Flats)	23.65 Meters
10	Building No. 10	Ground + Upper 7 floors (56 Flats)	23.65 Meters
11	Building No. 11 (EWS/LIG)	A wing: Ground + Upper 7 floors (21 Flats) B wing: Ground + Upper 7 floors (28 Flats) C wing: Ground + Upper 7 floors (28 Flats)	23.65 Meters

23.Number of tenants and shops	Residential: 567 Nos.
24.Number of expected residents / users	2835 Nos.
25.Tenant density per hectare	169.51
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	Proposed 27 Meter wide DP road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 Meters
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

Dry season:	Source of water	NAINA + treated sewage from STP + Tanker
	Fresh water (CMD):	218.00
	Recycled water - Flushing (CMD):	109.00
	Recycled water - Gardening (CMD):	24.00
	Swimming pool make up (Cum):	5.00
	Total Water Requirement (CMD) :	356.00
	Fire fighting - Underground water tank(CMD):	0.00
	Fire fighting - Overhead water tank(CMD):	25.00 (for each building)
	Excess treated water	161.00
Wet season:	Source of water	NAINA + treated sewage from STP + Tanker
	Fresh water (CMD):	218.00
	Recycled water - Flushing (CMD):	109.00
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	5.00
	Total Water Requirement (CMD) :	332.00
	Fire fighting - Underground water tank(CMD):	0.00
	Fire fighting - Overhead water tank(CMD):	25.00 (for each building)
	Excess treated water	185.00
Details of Swimming pool (If any)	Swimming Pool area: 109.759 Sq. Mt.	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4.5 Meters
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	22 Nos.
	Size of recharge pits :	2 M X 2 M X 1.5 M
	Budgetary allocation (Capital cost) :	33.00 Lakh
	Budgetary allocation (O & M cost) :	1.32 Lakh
	Details of UGT tanks if any :	Domestic UG tank (1.5 days storage): 326.97KLD Flushing UG tank (1.5 days storage): 163.48 KLD Fire: 0.00 {As per NBC (Height- 15m to 35 m)}
35.Storm water drainage	**Natural water drainage pattern:**	The storm drainage above ground will essentially cater for the seasonal rains. The major part of discharge will be from the roof. Rain water outlets will be provided at the edges from where it will be carried down by UPVC agriculture pipes to discharge water into storm water entrance chambers below ground. Run- off from the ground and terrace will be finally discharged into rain water harvesting tank below ground. The overflow from rain water harvesting tank will be discharged into storm water c
	Quantity of storm water:	7.55 M3/min
	Size of SWD:	750 MMØ
Sewage and Waste water	**Sewage generation in KLD:**	327 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of 330 KLD
	Location & area of the STP:	At ground
	Budgetary allocation (Capital cost):	75 Lakh
	Budgetary allocation (O & M cost):	3.00 Lakh/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated soil will be used in land leveling purpose & construction debris will be handed over to authorized agency.
	Disposal of the construction waste debris:	Construction debris will be handed over to Authorized agency.
Waste generation in the operation Phase:	**Dry waste:**	333.08 Kg/day
	Wet waste:	777.18 Kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	8.25 Kg/day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorized agency.
	Wet waste:	Composting through OWC & used at site as manure.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as manure within the premises for plants. Excess shall be sold or handover to outside parties or gardens.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	40 Sq. Mt.
	Area for machinery:	20 Sq. Mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	22.50 Lakh
	O & M cost:	3.00 Lakh/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	--	Diesel- At 100% Load = 27.4Ltr/hr.	--	25.89	--	--

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 :**	Green area on Ground: 4037.00 Sq. Mt.
	No of trees to be cut :	Existing Trees: 10 Nos. Tree cut: 6 Nos.
	Number of trees to be planted :	Required Trees- 508 Nos. Proposed trees- 536 Nos.
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	5 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusops elengi	Bakul	32	Medium sized evergreen tree. Beautiful white flowers.
2	Nyctanthes arbor-tristis	Parijatak	30	Small deciduous tree. Flowers white with orange petal tube.
3	Cassia fistula	Bahava	29	Small deciduous tree. Flowers yellow.
4	Putranjiva roxburghii	Putranjiva	32	Small sized evergreen tree. Beautiful greenish yellow flowers.
5	Lagerstromia speciosa	Tahman	20	Small to medium sized. Flowers with white to purple petals
6	Saraca asoka	Seeta ashok	22	Small sized evergreen tree. Flowers reddish orange.
7	Terminilia arjuna	Arjun	28	Large deciduous tree. Flowers small, yellow.
8	Rubber	Hevea brasiliensis	22	Large deciduous tree. Flowers creamy yellow
9	Kadamb	Anthocephallus cadamba	25	Large evergreen tree. Flowers creamish white.
10	Rakta kanchan	Pterocarpus santalinus	30	Large deciduous tree. Flowers yellow
11	Pivla kanchan	Bauhinia racemosa	31	Small sized deciduous tree. Flowers white.
12	Mango	Mangifera indica	22	Large sized evergreen tree. Flowers small & green.
13	Fishtail palm	Caryota urens	25	Large palm. Male flowers red, female Flowers green.
14	Neem	Azadirachta indica	24	
15	Karanj	Millttia pinnata	26	
16	Umbar	Ficus glomerata	22	
17	Shivan	Gmelina Arborea	27	Fast growing tree with beautiful yellow flowers.
18	Nandruk	Ficusretusa	29	Medium sized, shady, evergreen tree.
19	Kunti	Murraya Paniculata	33	Small tree, Fragrant white flowers
20	Shirish	Albizzia lebbeck	27	Shady, large, fast-growing evergreen tree, Ball shaped flowers.

21	Total	--	536	--
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	Mogra	2 ft.	65.50
2	Spider Lilly	1ft.	66.20
3	Nishi gandha	1ft.	71.36
4	Acylpha Red	2 ft.	75.32
5	Ixora Miniature	1.5ft.	80.86
6	Allamanda	2 ft.	77.54
7	Fire cracker	1.5ft.	85.67
8	Canna dwarf	1 ft.	88.75
9	Nerium	2 ft.	86.84
10	Ixora Pink	1.5 ft.	82.45
11	Dracena Mahatma	1 ft.	92.67
12	Allamanda Pink	2 ft.	69.82
13	Pentas	1 ft.	90.57
14	Purple secretia	1 ft.	96.76

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	82.5 kVA
	During Operation phase (Connected load):	1647.47 kW
	During Operation phase (Demand load):	1196.55 kW
	Transformer:	630 kVA X 2 Nos. + 315 kVA X 1 Nos.
	DG set as Power back-up during operation phase:	125 kVA X 2 Nos.
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Reduction in consumption by using Energy Saving Measure:
1. Use of LED lamps for common area (open space)
2. Stair-case, Lift lobby, Passage parking Lightings
3. Use of Solar Panels for Hot Water
4. Street Lights

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar water heater	14.41%
2	PV CELL 11.91%	11.91%
3	Annual Saving only by Solar	26.32%

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:**	78.31 Lakh
	O & M cost:	3.91 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	PPE	--	5.00
2	Site Sanitation Facility	--	4.0
3	Drinking water facility	--	2.0
4	Solid Waste Management	--	2.5
5	Safety railing, platform, ladder, hoist, Cranes etc.	--	6.0
6	House keeping	--	2.0
7	Health Check	--	1.0
8	Environmental Monitoring	--	1.5
9	Anti-rusting coating on foundation steel bars	--	5.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Recharge Pits	--	33.00	1.32
2	Sewage Treatment Plant (STP)	--	75.00	3.00
3	Solid waste Management	--	22.00	3.00
4	Landscaping	--	50.00	15.00
5	Solar lighting	--	78.31	3.91
6	DMP	--	200.71	15.50

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	3121.50 Sq. Mt.
	Area per car:	13.75
	Area per car:	13.75
	Number of 2-Wheelers as approved by competent authority:	Required: 142 Proposed: 142
	Number of 4-Wheelers as approved by competent authority:	Required: 227 Proposed: 227
	Public Transport:	Panvel railway station
	Width of all Internal roads (m):	6 Mtrs.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable

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

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was absent; hence the project is deferred.

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 116th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 116 **Meeting Date** October 10, 2019

Subject: Environment Clearance for Proposed project on plot bearing CTS No. 533 (pt), 533/1, 533/2(pt) to & 553 /3 (pt) of village Nahur, L. B. S. Road, Mulund (W), T- Ward

Is a Violation Case: No

1.Name of Project	Proposed project on plot bearing CTS No. 533 (pt), 533/1, 533/2 (pt) to & 553/3 (pt) of village Nahur, L. B. S. Road, Mulund (W), T- Ward
2.Type of institution	Private
3.Name of Project Proponent	M/s. Kalpataru Ltd.
4.Name of Consultant	M/s. Enviro Analyst and 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	-
8.Location of the project	Proposed project on plot bearing CTS No. 533 (pt), 533/1, 533/2 (pt) to & 553/3 (pt) of village Nahur, L. B. S. Road, Mulund (W), T- Ward
9.Taluka	Mulund
10.Village	Nahur
Correspondence Name:	Ms. Priti Kataria
Room Number:	101,
Floor:	10th Floor
Building Name:	Kalpataru Synergy
Road/Street Name:	Opp. Grand Hyatt
Locality:	Vakola, Santacruz (E)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	-
	IOD/IOA/Concession/Plan Approval Number: -
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	-
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	15350.76
16.Deductions	0.00
17.Net Plot area	15350.76
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 51808.82
	b) Non FSI area (sq. m.): 68674.436
	c) Total BUA area (sq. m.): 120483.256
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):**
	Approved Non FSI area (sq. m.): -
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	6061.81
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	39.48
21.Estimated cost of the project	5010000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Tower 1 & 2	[2 Basements + Gr. floor / stilt + 1st to 4th podiums/ part Resi. + 5th amenity/ part Resi. +6th to 38th Resi. Floors]	119.90
2	Tower 3	Gr. floor/ Stilt + 1st to 38th Resi. Floors	119.90
3	Club House	Ground floor	3.40

23.Number of tenants and shops	Resi. Tenements : 596 Nos.
24.Number of expected residents / users	Residents : 3073 Nos.
25.Tenant density per hectare	2210
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	30.50 mt. L. B. S. Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 mt.
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	-

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM/ Recycled water
	Fresh water (CMD):	277
	Recycled water - Flushing (CMD):	138
	Recycled water - Gardening (CMD):	31
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	446
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	155
Wet season:	**Source of water**	MCGM/ Recycled water
	Fresh water (CMD):	277
	Recycled water - Flushing (CMD):	138
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	415
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	186
Details of Swimming pool (If any)	-	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Below 5.0 m
	Size and no of RWH tank(s) and Quantity:	-
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	10 Nos.
	Size of recharge pits :	10 Nos.
	Budgetary allocation (Capital cost) :	40.0 Lacs
	Budgetary allocation (O & M cost) :	0.50 Lacs/ annum
	Details of UGT tanks if any :	-
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	Estimated max. discharge - 0.612 Cum/sec.
	Size of SWD:	Avg. width - 600 mm, Avg. Depth - 800 mm
Sewage and Waste water	**Sewage generation in KLD:**	360 KLD
	STP technology:	MBR
	Capacity of STP (CMD):	STP of 390 KLD capacity
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	65.00 lakhs
	Budgetary allocation (O & M cost):	15.60 lacs/ annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation material partly reused on site for backfilling and leveling and remaining disposed by vendors.
	Disposal of the construction waste debris:	Debris will be used for backfilling and counterweight of raft, roadworks, etc. Brickbats will be used for waterproofing. Reinforcement will be sent for reuse.Excess debris shall be disposed of by means of vendors
Waste generation in the operation Phase:	**Dry waste:**	615 Kg/ day
	Wet waste:	922 Kg/ day
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	36 Kg/ day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Handed over to vendors for recycling
	Wet waste:	To be treated by OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	-
	Others if any:	-
Area requirement:	**Location(s):**	Basement
	Area for the storage of waste & other material:	80 sq. mt. (including machinery , storage of waste and other materials.)
	Area for machinery:	80 sq. mt. (including machinery , storage of waste and other materials.)
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12.50 Lacs
	O & M cost:	3.20 Lakhs/ annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	3837.69 sq. mt.
	No of trees to be cut :	35 Nos.
	Number of trees to be planted :	As per NOC from tree Authoriry
	List of proposed native trees :	-
	Timeline for completion of plantation :	At the end of construction phase

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

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

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	150 kW (Estimated)
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	4431 kW
	During Operation phase (Demand load):	2225 kW
	Transformer:	As per the requirement of Supply Agency
	DG set as Power back-up during operation phase:	DG Sets of cumulative capacity of 1000 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

• Energy efficient LED, T5 tube light which give more light output for the same watts consumed and therefore require less nos. of fixtures
• Equipment efficiency standard power factor will be maintained between 0.95 and unity for major equipment like Lift, STP etc. This will reduce electrical power distribution losses in the installation.
• Timer based lighting for parking areas.
• Motion Sensor and timers in staircases.
• Use of VFD drives in lifts.
• Habitable areas are well ventilated and are with natural light
• Recommending the benefits of adopting BEE 5 star rated electrical appliances to the customers to increase energy savings.

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	11.10 Lacs
	O & M cost:	0.20 Lac/ 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	Dust Separation	-	2.50
2	Environmental monitoring	-	1.50
3	Site Sanitation	-	1.00
4	disinfection	-	0.60
5	Health check up	-	1.11

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	-	65.00	15.60
2	Rain water Harvesting	-	40.00	0.50
3	Treatment of Bio-degradable waste	-	12.50	3.20
4	Envt. Monitoring	-	-	1.50
5	Solar PV system	-	11.10	0.20

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

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

Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	One entry and exit
Parking details:	**Number and area of basement:**	2 Basements
	Number and area of podia:	Stilt and 4Podiums for parking
	Total Parking area:	37115.695 sq. mt.
	Area per car:	39.00 sq. mt.
	Area per car:	39.00 sq. mt.
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	957 nos.
	Public Transport:	-
	Width of all Internal roads (m):	6.0 mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	1.0 Km
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	-
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Vedvati Datar was present during the meeting along with environmental consultant.. M/s. Enviro Analyst and Engineers Pvt. Ltd.

PP informed that, the project under consideration is *new housing project. PP further stated that, t*he total plot area of the project is 15350.76 Sq.mt having total construction area 120483.256 Sq. mt. (FSI - 51808.82Sq.mt + NON FSI- 68674.436 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Tower 1 & 2	[2 Basements + Gr. floor / stilt + 1st to 4th podiums/ part Resi. + 5th amenity/ part Resi. +6th to 38th Resi. Floors]	119.90
Tower 3	Gr. floor/ Stilt + 1st to 38th Resi. Floors	119.90
Club House	Ground floor	3.40

It is noted that the project earlier considered in 112th meeting held on 17-09-2019 & deferred with observations namely. 1) to upload the full time employment certificate of the person representing the PP. 2) to submit the copy of order regarding sub-division of plot under consideration, else to apply for full likely potential (even may be conceptual plan) on the entire plot. 3) to revise the fire tender movement plan so that all flats of North East side will be access by fire engine. 4) to ensure that 40% area of STP tanks should be open to sky for adequate ventilation. 5) to upload the soil analysis report, which is submitted during presentation. 6) to ensure that, no natural drains, if any should not be diverted. 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

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

Specific Conditions by SEAC:

1) As the PP is insisting that instead of layout on whole plot, the layout on only proposed sub-divided portion 'A' of plot be appraised, it can be considered so if the PP undertakes on affidavit that (i) the sub-division will be got approved from competent Revenue/ Survey department and (ii) it will remain sub-divided so and will not be amalgamated with portions 'B' and'C' of the plot and (iii) sub-division is not being done to avoid seeking TOR and consequent presentation of EIA if becoming applicable.
2) PP to provide Fire hydrants on north and east side of podium along with necessary equipment and separate stair case which go direct to the podium for fire man.
3) PP to abide the CFO Conditions laid down vide letter dated 15/4/2019.
4) PP to submit the specific remarks from SWD department of the MCGM regarding diversion/changing of nalla is in accordance with the Brihanmumbai Stormwater Disposal System (BRIMSTOWAD) report prepared to avoid flooding/ water logging. If so, PP to submit the copy of report with maps with respect to this site.
5) PP to submit Contour and slope analysis in the project and 500 mtr around the project. Also PP to ensure that, no construction should carry put on 1:5 slope or more than 1:5

FINAL RECOMMENDATION

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

Agenda of 116th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 116 **Meeting Date** October 10, 2019

Subject: Environment Clearance for PROPOSED SLUM REHABILITATION SCHEME ON PLOT BEARING C.T.S NO. 163-A (PT) OF VILLAGE AKURLI, SITUATED AT HANUMAN NAGAR, AKURLI ROAD, KANDIVALI (EAST), MUMBAI – 400 101.

Is a Violation Case: No

1.Name of Project	Proposed Slum Rehabilitation Scheme On Plot Bearing C.T.S No. 163-A (Pt) Of Village Akurli, Situated At Hanuman Nagar, Akurli Road, Kandivali (East), Mumbai – 400 101.
2.Type of institution	Private
3.Name of Project Proponent	Mr. Devanshu Bansal
4.Name of Consultant	M/s. Building Environment (I) Pvt. Ltd.
5.Type of project	Residential Building
6.New project/expansion in existing project/modernization/diversification in existing project	Redevelopment Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No
8.Location of the project	Proposed Slum Rehabilitation Scheme On Plot Bearing C.T.S No. 163-A (Pt) Of Village Akurli, Situated At Hanuman Nagar, Akurli Road, Kandivali (East), Mumbai – 400 101.
9.Taluka	Borivali
10.Village	Kandivali
Correspondence Name:	Mr. Devanshu Bansal
Room Number:	C -5
Floor:	Ground Floor
Building Name:	Abhishek
Road/Street Name:	Dalia Industrial Estate, Andheri Link Road
Locality:	Andheri, (West).
City:	Mumbai 400053
11.Whether in Corporation / Municipal / other area	MCGM
12.IOD/IOA/Concession/Plan Approval Number	SRA/ENG/3788/RS/MHL/AP
	IOD/IOA/Concession/Plan Approval Number: SRA/ENG/1294/RS/MHL/LOI 03.11.2017
	Approved Built-up Area: 90653
13.Note on the initiated work (If applicable)	Sale:-B wing plinth completed(Arch certificate attached) SRA:-Plinth completed (Arch certificate attached)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	13508.5 sq.m
16.Deductions	2441.57 sq.m
17.Net Plot area	11066.93 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 69362.894 sq.m
	b) Non FSI area (sq. m.): 63138.559 sq.m
	c) Total BUA area (sq. m.): 132501.453
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 64999.06 sq.m
	Approved Non FSI area (sq. m.): 25654.76 sq.m
	Date of Approval: 30-11-2017
19.Total ground coverage (m2)	4148.5319 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	37%
21.Estimated cost of the project	2750000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Building	Ground + 23rd upper floors	70.90 M
2	Sale Building wing A	Ground + 1st to 4th podium + 5th to 37th upper floors	118.05 M
3	Sale Building wing B	Ground + 1st to 4th floor + 5th to 31st upper floor.	100.65 M
4	Sale Building wing C - D	Ground + 1st to 4th floor + 5th to 31st upper floor	100.65 M
5	Sale Building wing E - F	Ground + 1st to 4th floor + 5th to 31st upper floor	115.15 M

23.Number of tenants and shops	Sale – Flats – 1022, Society Office – 1, Gym- 6, Shop – 21, Commercial Office - 21 Rehab – Flats – 712, welfare – 3, Balwadi – 3, Amenity – 6, Society Office – 8,Shop – 46, Commercial Office – 1, Community Hall – 1.
24.Number of expected residents / users	Sale Building – 5195 95 person for each flats, 2 persons for each Shops/office, 1 person for Society Office) Rehab Building – 3698 (5 persons for each flats, 3 persons for each welfare/Balwadi/Amenity, 2 persons for each Shops/Office, 1 person for Society office)
25.Tenant density per hectare	1370
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 mts
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	12-9 M
29.Existing structure (s) if any	102 (Existing structure)
30.Details of the demolition with disposal (If applicable)	1324 Bras Demolition Waste to. the extent of 2100Brass X 2.83 = 5,943Cu.Mtr only to designated unloading site at Earth t1lling in area between Rail Line and NH-348A from Dastan-Phata to Junction of NH-348A and Port road in JN Port (Part A & B). 776 Bras used for site leveling

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	Rehab – 326 KLD Sale – 461 KLD
	Recycled water - Flushing (CMD):	Rehab – 162 KLD Sale – 230 KLD
	Recycled water - Gardening (CMD):	Rehab – 3.14 KLD Sale – 2.44 KLD
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	Rehab - 326 KLD Sale – 461KLD
	Fire fighting - Underground water tank(CMD):	Rehab - 200 KLD Sale - 300 KLD
	Fire fighting - Overhead water tank(CMD):	Rehab- 100 KLD Sale – 200KLD
	Excess treated water	Rehab- 155.5 KLD Sale – 233.1 KLD
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	Rehab – 326 KLD Sale – 461 KLD
	Recycled water - Flushing (CMD):	Rehab – 162 KLD Sale – 230 KLD
	Recycled water - Gardening (CMD):	Rehab – 0 KLD Sale – 0 KLD
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	Rehab - 326 KLD Sale – 461 KLD
	Fire fighting - Underground water tank(CMD):	Rehab- 200 KLD Sale - 300 KLD
	Fire fighting - Overhead water tank(CMD):	Rehab- 100 KLD Sale – 200 KLD
	Excess treated water	Sale – 235.5 KLD Rehab – 158.4 KLD
Details of Swimming pool (If any)	20000 Liters Kid's Pool & 60000 Liters Pool with 6000 Liters Balancing Tank (1.9m x 2.5m x 1.9m Depth) & 9000 Liters Filtration Tank (2m X 3m x 3m Depth)	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	6 m to 33 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	2 nos.
	Size of recharge pits :	Length – 1.5 m, width –1.5 m, Depth – 2m
	Budgetary allocation (Capital cost) :	Rehab – 1 Lakh Sale - 1 Lakh
	Budgetary allocation (O & M cost) :	Rehab – 0.10 Lakh Sale – 0.10 Lakh
	Details of UGT tanks if any :	Rehab Fire tank – 200 KLD Domestic – 326 KLD Flushing Tank – 162 KLD Sale - Fire tank – 300 KLD Domestic – 461 KLD Flushing Tank – 230 KLD
35.Storm water drainage	**Natural water drainage pattern:**	Natural water drainage pattern: Storm Water drains (SWD) are laid at a slope of 1: 200 to the municipal storm water line.
	Quantity of storm water:	Sale - 0.071 cum/sec Rehab - 0.023 cum/sec
	Size of SWD:	Rehab - Size of SWD 450mm Wide with 450 mm depth Sale - Size of SWD 600mm Wide with 600 mm depth
Sewage and Waste water	**Sewage generation in KLD:**	Rehab – 45 KLD Sale - 65 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Rehab – 450 KLD Sale – 650 KLD
	Location & area of the STP:	Rehab – Below Ground Sale – Below Ground
	Budgetary allocation (Capital cost):	Rehab – 94 Lakh Sale – 1.38 Crore
	Budgetary allocation (O & M cost):	Rehab – 4 Lakh Sale – 6 Lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Top Soil – 600 cum. Excavated Material – 3710 cum. Empty Cement Bags – 3,00,000 bag Paint container & other Barrels – 2977 Empty Cans Scrap metal generated – 233 tonnes Tiles – 9210 sq.m
	Disposal of the construction waste debris:	Top Soil – To be stockpiled for further use in landscaping, Excavated Material – Around 30% shall be used on site & rest shall be disposed off as per debris, Empty Cement Bags – Will be handed over to recycler. Paint container & other Barrels – Will be sold reuse. Scrap metal generated – 100 % will be sold for recycling Tiles – Waste tiles will be used for skirting. Broken pieces will be used for china mosaic waterproofing of Terraces

Waste generation in the operation Phase:	**Dry waste:**	Rehab – 728 kg/day, Sale – 1025 kg/day
	Wet waste:	Rehab – 1075 kg/day, Sale – 1521 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Rehab – 45 KLD Sale - 65 KLD
	Others if any:	NA
Mode of Disposal of waste:	**Dry waste:**	Hand over to Vendor
	Wet waste:	OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as Manure
	Others if any:	NA
Area requirement:	**Location(s):**	Rehab – On Ground Floor Sale - On Ground Floor
	Area for the storage of waste & other material:	Rehab – 71 Sqm Sale - 81 Sqm
	Area for machinery:	9 Sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rehab – 8 Lakh Sale - 8 Lakh
	O & M cost:	Rehab – 60 Thousand Sale - 60 Thousand

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	1106.76 sq.m
	No of trees to be cut :	17 Nos.
	Number of trees to be planted :	91
	List of proposed native trees :	Neem, Ashoka, Pipal, Rui, Jaswand, Tagar, Chafa, Coconut, Umbar, Jambhul (Jamun), Amla, Guava, Jackfruit, Banyan, Badam , Papaya, Custard Apple, Putranjiva, Agati , Lal Zumbar, Royal palm, Indian Laburnum,Golden Dewdrop , Oleander, Paper-Chase Tree , Bougainvillea, Golden Champak , Coral Creeper , Camel's Foot tree, Pride of India , Champa (white), Champa (red), Geranium Tree, Cashewnut tree , Chinese Fan Palm , Christmas Tree , Colville's Glory, Copper Pod, Coral Wood Tree, Cycas
	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	Azardichta indica	Neem	4	Neem is a fast-growing evergreen resistance tree that can reach a height of 15–20 metres (49–66 ft). The tree in general is has high medicinal properties. Traditionally Neem leaves are used as insecticide and pesticide for storing grains and clothes. The flowers are also used in many Indian festivals . The tender shoots and flowers of the neem tree are eaten as a vegetable in India Neem tree purifies the surrounding area and make it free from harmful chemicals. The temperature under neem tree is
2	Polyalthia longifolia	Ashoka	4	is an evergreen tree, commonly planted due to its effectiveness in alleviating noise pollution. The tree is known to grow over 30 ft in height.
3	Ficus religiosa	Pipal	2	A large tree considered sacred in India and is grown for its religious value. Also used by many birds as roosting sites.

4	Calotropis Procera	Rui	1	Calotropis is a perennial xerophytic woody shrub that has a great capacity to inhabit abandoned lands, it tolerats poor soils with limited nutrition and moisture. It has an immense ecologic role being habitat for several organisms, displaying phytoremedy properties in contaminated soils and its ability to rehabilitate deserted land restoring that habitat
5	Hibiscus ros-sinensis	Jaswand	7	It is an Aerial, erect, cylindrical, woody and branched perennial shrub It is an ornamental plant and attracts many birds, butterflies
6	Tabernaemontana divaricata	Tagar	4	An evergreen shrub or small tree growing from 0.5 - 5 metres tall The plant can flower all year round. It is an ornamental plant with medicinal properties
7	Michelia champaca	Chafa	2	It is a large evergreen tree, known for its fragrant flowers and grows upto 50 metres (160 ft) or taller with a trunk of up to 1.9 metres (6.2 ft) in diameter. It is an ornamental plant which attract lot of birds and butterflies
8	Cocos nucifera	Coconut	4	The coconut tree is a palm thrives on sandy soils and is highly tolerant of salinity. Coconuts also need high humidity (at least 70–80%) for optimum growth. The coconut is ornamental as well as a economically important plant. Also many animals feed on the coconut.
9	Ficus racemosa	Umbar	2	Cluster fig is an evergreen or, in drier areas, deciduous tree, often with an irregular crown; it can grow 20 - 30 metres tall. The bole becomes deeply buttressed as the tree grows older and can be 36 - 90cm in diameter. It is often cultivated, both for its fruit and also as a shade tree in plantations and an ornamental tree in parks, large gardens. The fruits are a favourite staple of the common Indian macaque along with many bird species
10	Syzigium cumini	Jambhul (Jamun)	2	A slow growing species, it can reach heights of up to 30 m and can live more than 100 years. Its dense foliage provides shade and is grown just for its ornament. The leaves are used as food for livestock, as they have good nutritional value al value

11	Phyllanthus embelicus	Amla	2	The tree is small to medium in size, reaching 1–8 m (3 ft 3 in–26 ft 3 in) in height The light and medium heavy soils except purely sandy soil is ideal for amla cultivation. The fruit is edible and has medicinal values
12	Psidium guajava	Guava	1	This is an evergreen shrub or small tree and can grow to 33 feet but the average height of the tree is 10 feet to 15 feet. It is a hardy plant and can tolerate high temperatures and drought conditions but it is susceptible to severe frost. Guava is an edible fruit and can be eaten raw or cooked. The processing of the fruits yields by-products that can be fed to livestock. The leaves can also can be used as fodder and has medicinal value
13	Artocarpus heterophylla	Jackfruit	1	The jackfruit tree is well-suited to tropical lowlands, and its fruit is the largest tree-borne fruit, reaching as much as 55 kg in weight. It is 30 to 70 ft (9-21 m) tall
14	Ficus bengalensis	Banyan	1	Banyan trees can be large with sprawling multiple secondary trunks. Banyan tree fruits are popular with birds and monkeys, and also produces flowers that attract wasps for pollination. It is a large tree with a very big girth banyan tree is also used for medicinal purposes.
15	(Terminalia catappa)	Badam	1	The tree grows to 35 m (115 ft) tall, with an upright, symmetrical crown and horizontal branches. It is an ornamental tree, grown for the deep shade its large leaves provide
16	Carica papaya	Papaya	1	The papaya is a small, sparsely branched tree, usually with a single stem growing from 5 to 10 m (16 to 33 ft) tall, with spirally arranged leaves confined to the top of the trunk. It is grown for its edible fruit.
17	Sitafal	Custard Apple	1	The custard apple tree needs a tropical climate Height ranges from 15 to 35 ft (4.5-10 m). It is grown for its edible fruit which also attracts many birds and animals including bats
18	Putranjiva roxburghii	Putranjiva	5	Is a mostly dioecious, evergreen tree with pendant branches, attaining a height of up to c. 20m. and a girth of 2cm It grown a s ornamental plant and also attracts birds and small mammals

19	Sesbania grandiflora	Agati	1	Is a small soft wooded fast-growing tree up to 3–8 m (10–26 ft) tall. It is an ornamental tree
20	Brownea coccinea	Lal Zumdar	1	Is a slow-growing, small tree upto 12-15 ft. grown for its ornamental properties
21	Roystonea regia	Royal palm	1	A large and attractive palm, it has been planted as an ornamental tree which reaches a height of 20–30 metres (66–98 ft) tall
22	Cassia fistula	Indian Laburnum	1	The golden shower tree is a medium-sized tree, growing to 10–20 m (33–66 ft) tall with fast growth. It is a popular ornamental plant and is also used in herbal medicine
23	Duranta plumieri	Golden Dewdrop	1	Is a sprawling shrub or (infrequently) a small tree. It can grow to 6 m (20 ft) tall and can spread to an equal width.It is an ornamental plant and attracts many birds and butterflies
24	Nerium Odorum	Oleander	1	Oleander is a shrub or small tree grows to 2–6 m (6.6–19.7 ft) tall, with erect stems that splay outward as they mature Oleander is one of the most poisonous commonly grown garden plants.
25	Mussanda Clabrata	Paper-Chase Tree	1	Mussaenda species is an ornamental plant very attractive to birds & butterflies due to its strinking flower color.It is hardy and grow in cooler subtropical districts (such as Sydney) in sheltered spots. Mussaendas generally grow 1.5 to 2.5 metres (5 to 8 feet) tall in cultivation. They benefit from a light annual pruning
26	Bougainvillea Glabra	Bougainvillea	2	Bougainvillea glabra is an evergreen, climbing shrub with thorny stems. It usually grows 3-4m (10–12feet) tall, occasionally up to 9m (30 feet). They tend to flower all year round and grown as an ornamental plant for roads, gardens
27	Ochna Squarrosa	Golden Champak	3	is a small growing deciduous plant (or shrub) that can reach in between 5-8 ft in height. It is a single stem plant having branched at the top. It is an ornamental plant with attractive flowers
28	Antigonon Leptopus	Coral Creeper	4	It is a fast-growing Tuberous rooted woody climbing vine that holds on via tendrils, and is able to reach 25 ft or more in length. Grown for its ornamental value due to its attractive flowers

29	Bauhinia Blackanea	Camel's Foot tree	3	Bauhinia trees typically reach a height of 6–12 m and their branches spread 3–6 m outwards. Grown for its ornamental value due to its attractive flowers
30	Lagerstroemia flos reginae	Pride of India	4	It is a small to medium-sized tree growing to 20 metres (66 ft) tall, with smooth, flaky bark. Grown for its ornamental value due to its attractive flowers
31	Plumeria alba	Champa (white)	2	is a fast-growing, medium-sized, deciduous, sub-canopy tree with an upright, round crown The tree usually grows 15 metres tall or more, with some specimens up to 26 metres. Grown for its ornamental value due to its attractive flowers.
32	Plumeria rubra	Champa (red)	1	It grows as a spreading tree to 7–8 m (23–26 ft) high and wide, and is flushed with fragrant flowers. Grown for its ornamental value due to its attractive flowers
33	Cordia Sebestena	geranium tree	1	grows to a maximum height of 25–30 feet at maturity, with a nearly equal spread. The crown is round to vase-shaped. Flowers are produced in clusters at branch ends throughout the year. Grown for its ornamental value due to its attractive flowers
34	Anacardium occidentale	Cashewnut tree	2	is a tropical evergreen tree that produces the cashew nut which has high economic value. It can grow as high as 14 m (46 ft), but the dwarf cashew, growing up to 6 m (20 ft),
35	Livistona chinensis	Chinese Fan Palm	2	It is a solitary palm species and the Trunk grows to 15 m tall, 20-30 cm in diam. Grown for its ornamental look
36	Araucaria sp.	Christmas Tree	3	Araucaria are mainly large trees with a massive erect stem, reaching a height of 5–80 metres (16–262 ft). The horizontal, spreading branches grow in whorls and are covered with leathery or needle-like leaves. Grown for its ornamental look
37	Colvillea racemosa	Colville's Glory	2	The tree is particularly known for its bright orange flowers that grow in large cone or cylinder shaped clusters fast growing tropical briefly deciduous tree that can reach 30 to 50 feet tall
38	Peltophorum pterocarpum	Copper Pod	4	It is a deciduous tree growing to 15–25 m (rarely up to 50 m) tall, with a trunk diameter of up to 1 m. it is a popular ornamental tree grown around the world

39	Adenanthera pavonina	Coral Wood Tree	4	A tall tree (up to 20m) with pretty leaves which looks like beautiful peacock feathers which gives its name Pavonia (Pavo), Grown for its onamental look
40	Cycas revoluta	Cycas	1	Has a crown of shiny, dark green leaves on a thick shaggy trunk that is typically about 20 cm (7.9 in) in diameter, sometimes wider. the plant is very slow-growing
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance Energy Ltd.
	During Construction Phase: (Demand Load)	470 KW
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	Rehab building – 4761 kW Sale Building – 7554 kW
	During Operation phase (Demand load):	Rehab building – 2700 kW Sale Building – 4624 kW
	Transformer:	Rehab Building – 4000 KVA Sale Building – 7000 KVA
	DG set as Power back-up during operation phase:	Not Applicable (As supply is taken from alternate
	Fuel used:	Not Applicable
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED Lights, BEE 5 star Equipment	For Sale:- 13.58 % & For Rehab:- 12.84 %
2	Solar	For Sale:- 4.36 % & For Rehab:- 4.69 %

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:**	1.33 Cr
	O & M cost:	10.0 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	Dust suppression measures and barricading	2.00
2	Land	Site sanitation	10.0
3	Land	Site Safety	10.00
4	Air, Water, Soil and Bio	Environmental Monitoring	1.50
5	Socio-economic	Disinfection and Health check-up	2.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plants	Rehab – 1 No. and Sale – 1 No.	Rehab – 94.0 Lakh and Sale – 1.38 cr	Rehab – 4.0 Lakh and Sale – 6.0 Lakh
2	Rainwater harvesting System	Rehab – 1 No. and Sale – 1 No.	Rehab – 1.0 Lakh and Sale – 1.0 Lakh	Rehab – 10 Thousand and Sale – 10 Thousand
3	Environmental Monitoring	MOEF approved agency for monitoring	MOEF approved agency for monitoring	16.39 Lakh
4	Solid Waste Management	Rehab – 1 No. and Sale – 1 No.	Rehab – 8.0 Lakh and Sale – 8.0 Lakh	Rehab – 60 Thousand and Sale – 60 Thousand
5	Electrical System	Rehab and Sale	1.33 Cr	10.0 Lakh

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	1 nos of part basement for services
	Number and area of podia:	4 Nos Of Podium, Area – 10222.31 sq.m
	Total Parking area:	4750 sq.m
	Area per car:	12.5 sq.m & 10.35 sq.m
	Area per car:	12.5 sq.m & 10.35 sq.m
	Number of 2-Wheelers as approved by competent authority:	68 nos.
	Number of 4-Wheelers as approved by competent authority:	Required 357 proposed 380
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 m to 9.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	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

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was absent; hence the project is deferred.

DECISION OF SEAC

PP was absent; hence the project is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 116th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 116 **Meeting Date** October 10, 2019

Subject: Environment Clearance for the proposed Township "Hiranandani Sands" at Tal. Alibaug, Dist. Raigad by M/s. Dynamix Vacation Resorts Pvt Ltd.

Is a Violation Case: No

1.Name of Project	Hiranandani Sands
2.Type of institution	TOR
3.Name of Project Proponent	Dynamix vacation Resorts Pvt ltd
4.Name of Consultant	Building Environment India Pvt ltd
5.Type of project	Township
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	Survey No. 1237, 1281, 1291, 1292, 1451, 1456, 1457, 1459, 1461, 1462, 1464, 1473, 1474, 1475, 1477, 1478, 1481, 1485, 1492, 1503, 1509, 1525, 1567, 1570, 1571, 1572, 1575, 1594, 1682, 1729, 1731, 1280, 1403, 1405, 1406, 1468, 1469, 1476, 1487, 1574, 1592, 1685, 1463, 1483, 1493 and also extra land from Survey No. 1499, 1499, 1565, 1565, 1597, 1599, 1605, 1606, 1672 at Village - Nagaon, Tal. Alibag, Dist. Raigad. Survey No. 5, 6, 7,8,9 10, 11, 12, 13, 14, 15, 16, 17, 18, 18, 18, 19, 20, 22, 23, 24, 25, 26, 27, 29, 31, 32, 33, 34, 35, 36, 37, 40, 41, 42, 197, 240, 249,250, 251, 252, 254, 262, 263, 264, 270, 3, 4, 46, 253, 30 at Village - Bagmala, Tal. Alibag, Dist. Raigad. Survey No. 632B + 645, 632B + 645, 632/1, 632A, 632, 632, 644, 632 at Village - Chaul, Tal. Alibag, Dist. Raigad. Survey No. 191, 193, 193, 193, 192, 194, 203, 203, 204 at Village - Revdanda, Tal. Alibag, Dist. Raigad. Survey No. 51, 51, 55, 56, 57, 58 Village - Mandve, Tal. Alibag, Dist. Raigad.
9.Taluka	Alibaug
10.Village	Nagaon, Bagmala, Chaul, Revdanda and Mandve Turf Bamangaon
Correspondence Name:	M/s. Dynamix Vacation Resorts Pvt. Ltd.
Room Number:	--
Floor:	11th
Building Name:	Alpha, Hiranandani Business Park
Road/Street Name:	--
Locality:	Powai
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Nagaon Village Panchayat
12.IOD/IOA/Concession/Plan Approval Number	Serial No. / LNA 1(A)/Letter of Intent/34183/2017
	IOD/IOA/Concession/Plan Approval Number: Serial No. / LNA 1(A)/Letter of Intent/34183/2017
	Approved Built-up Area: 2125751
13.Note on the initiated work (If applicable)	--
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI obtained from Raigad Collector Office on 23.05.2018 Serial No. / LNA 1(A)/Letter of Intent/34183/2017
15.Total Plot Area (sq. m.)	9,55,714.00 m2
16.Deductions	--
17.Net Plot area	9,55,714.00 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** Total: 17,71,459.61 m2 Phase-I: 3,16,407.61 m2
	b) Non FSI area (sq. m.): Total: 3,54,291.92 m2 Phase-I: 63,281.52 m2
	c) Total BUA area (sq. m.): 2125751

18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** Total: 17,71,459.61 m2 Phase-I: 3,16,407.61 m2
	Approved Non FSI area (sq. m.): Total: 3,54,291.92 m2 Phase-I: 63,281.52 m2
	Date of Approval: 23-05-2018
19.Total ground coverage (m2)	Total: 2,50,178 m2 Phase-I: 44,685.00 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Phase-I: 9.00% Total: 50.00%
21.Estimated cost of the project	4000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Townhouse (239 No. of bldgs.)	S+2	15 m
2	Semi-Detached Villa (123 No. of bldgs.)	S+2	15 m
3	Bungalow (Total 41 No. of bldgs. all are proposed in Phase I)	S+2	15 m
4	Luxury Bungalow (8 No. of bldgs.)	G+2	15 m
5	Residential Mid -Rise (Total 34 No. of bldgs. Of which 2 Nos. proposed in Phase-1)	B+G+P+14	60 m
6	Residential Point Tower (Total 31 No. of bldgs. Of which 9 Nos. proposed in Phase-1)	2B+G+P+24	90 m
7	Retail & Market (35 No. of bldgs.)	G+1	9 m
8	Hotel (Total 9 No. of bldgs. Of which 3 Nos. proposed in Phase-1)	G+15	60 m
9	Club & Country club (Total 6 No. of bldgs. Of which 2 Nos. proposed in Phase-1)	G+1 & G+9	50 m
10	School (1 No. of bldgs.)	G+6	25 m
11	Health Care (1 No. of bldgs.)	G+8	30 m
12	Commercial office (1 No. of bldgs.)	G+10	40 m
13	Convention Centre (1 No. of bldgs.)	G+5	20 m
14	EWS (14 No. of bldgs.)	G+6	25 m
15	Public transport Utility (1 No. of bldgs.)	G+1	7 m

23.Number of tenants and shops	Total: 12740-Units Phase-I: Residential: 1520 units Hotel & Club House: 300 Villas: 41 Nos. School:1 (Existing)
24.Number of expected residents / users	Phase-I: 15,038.00 Total: 84,192.00
25.Tenant density per hectare	881/ 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)	9.0 m -24 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min 9.0 m
29.Existing structure (s) if any	Two Bungalows and one school building are at site. Bungalows will be demolished
30.Details of the demolition with disposal (If applicable)	Expected waste to be generated from demolition of the bungalows 55.74 T. Recyclable materials will be reused on site for land levelling and remaining will be handed over to authorized vendors for disposal as per C&D waste Management Rule, 2016.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Alibag - MIDC
	Fresh water (CMD):	Phase I: 900.00 KLD
	Recycled water - Flushing (CMD):	Phase I: 450 KLD
	Recycled water - Gardening (CMD):	Phase I: 43 KLD
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	Phase I: 1393 KLD Total: 7800 KLD
	Fire fighting - Underground water tank(CMD):	(Storage at building level) Phase I: 160,753.00 KLD Total: 900000 KLD
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	Phase-I: 601

Wet season:	**Source of water**	Alibag - MIDC
	Fresh water (CMD):	Phase I: 900.00 KLD
	Recycled water - Flushing (CMD):	Phase I: 450 KLD
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	Phase I: 1350 KLD Total: 7800 KLD
	Fire fighting - Underground water tank(CMD):	(Storage at building level) Phase I: 160,753.00 KLD Total: 900000 KLD
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	Phase-1:644
Details of Swimming pool (If any)	Swimming pool area in hotel: 5,400.00 sq.mt (30M x 15M) x 12 nos. Phase –I: 965.00 m2	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Will be provided in EIA.
	Size and no of RWH tank(s) and Quantity:	10 Nos of 1.0 Lakh litre Capacity- (2days storage Tanks)
	Location of the RWH tank(s):	Within Building Foot Print / Cluster Level.
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	1.70 Crore
	Budgetary allocation (O & M cost) :	1.20 Lakhs per Annum
	Details of UGT tanks if any :	NA--

35.Storm water drainage	**Natural water drainage pattern:**	Will be provided in EIA.
	Quantity of storm water:	28.18 Cum/Sec
	Size of SWD:	Min size of SWD 2.00 Mx 2.60 M Max size of SWD 18.00M x 2.80M

Sewage and Waste water	**Sewage generation in KLD:**	Total: 10499 KLD Phase I: 1,875.00 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	10,499 KLD (Depending on the sewage generation 18 numbers of STP's are planned. Hence the capacity of STP varies as per requirement with respect to the cluster.) Total: 10,449.00 KLD Phase I: 1,875.00 KLD
	Location & area of the STP:	10,499 KLD (Depending on the sewage generation 18 numbers of STP's are planned. Hence the capacity of STP varies as per requirement with respect to the cluster.) Total: 10499 KLD Phase I: 1,875.00 KLD
	Budgetary allocation (Capital cost):	Total: 52.495 Crores Phase I: 9.00 Crores
	Budgetary allocation (O & M cost):	Total: 1.57 Crores Phase I: 0.27 Crores

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Expected waste to be generated from demolition of the bungalows 55.74 T.
	Disposal of the construction waste debris:	Recyclable materials will be reused on site for land levelling and remaining will be handed over to authorized vendors for disposal as per C&D waste Management Rule, 2016.
Waste generation in the operation Phase:	**Dry waste:**	Total: 13.71 TPD Phase I: 2 TPD
	Wet waste:	Total: 20.56 TPD Phase I: 4 TPD
	Hazardous waste:	Spillage from DG
	Biomedical waste (If applicable):	It will be not applicable for phase I
	STP Sludge (Dry sludge):	182 Kg/Day
	Others if any:	--
Mode of Disposal of waste:	**Dry waste:**	Will be handed over to Authorised Recyclers as per MSW Rule, 2016.
	Wet waste:	Will be treated in OWC
	Hazardous waste:	Will be handled as per Hazardous waste Rules, 2018
	Biomedical waste (If applicable):	It will be not applicable for phase I
	STP Sludge (Dry sludge):	Will be used as a manure
	Others if any:	--
Area requirement:	**Location(s):**	Building wise
	Area for the storage of waste & other material:	1200 m2
	Area for machinery:	Will be provided in EIA.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 3.63 Cr.
	O & M cost:	Rs. 25 Lacs/month

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	Total: 47,785.70 m2 Phase I: 8,535.00 m2
	No of trees to be cut :	NA
	Number of trees to be planted :	800
	List of proposed native trees :	Attached
	Timeline for completion of plantation :	Throughout the construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Will be provided in EIA.	Will be provided in EIA.	Will be provided in EIA.	Will be provided in EIA.
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Will be provided in EIA.	Will be provided in EIA.	Will be provided in EIA.

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	1 MW from Local Authority
	DG set as Power back-up during construction phase	1 DG x 320 kVA capacity
	During Operation phase (Connected load):	Phase I: 26.00 MW Total Connected load: 143.98 MW
	During Operation phase (Demand load):	Phase I: 12 MW Total demand load: 67.6 MVA
	Transformer:	3 Nos. 25MVA, 220/22KV in main EHV substation
	DG set as Power back-up during operation phase:	1. 2 Nos. of 320KVA, DG Set for Water Supply & Fire Fighting System for Infra Level only 2. 1 No of 180 KVA DG set for STP
	Fuel used:	Bio-diesel / Diesel
	Details of high tension line passing through the plot if any:	The 22KV Overhead Line Passing through project site will be shifted.

48.Energy saving by non-conventional method:

--

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Details of solar water heaters and solar street lights will be provided in EIA.	Details of solar water heaters and solar street lights will be provided in EIA.

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Water	Not applicable	STP
Soil & Land	Not applicable	OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	will be provided in EIA.
	O & M cost:	will be provided in EIA.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water for Dust Suppression	Water for Dust Suppression	Will be provided in EIA.
2	Site Sanitation, Disinfection & Health Check Up	Site Sanitation, Disinfection & Health Check Up	Will be provided in EIA.
3	Environmental Monitoring	Environmental Monitoring	Will be provided in EIA.

4	Debris/Top soil Management	Debris/Top soil Management	Will be provided in EIA.
5	Health and Safety of Labourers	Health and Safety of Labourers	Will be provided in EIA.
6	EMC	Environment monitoring cell	Will be provided in EIA.

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment	Sewage Treatment Plant	Phase I: 9.00 Crores Total: 52.495 Crores	Phase I: 0.27 Crores Total: 1.57 Crores
2	Solid Waste Management	Organic waste converter	Rs. 3.63 Cr.	Rs. 25 Lacs/month
3	Rain Water Management	Rain Water Harvesting	1.70 Crore	1.20 Lakhs per Annum
4	RG Area	Green Belt	Will be provided in EIA.	Will be provided in EIA.
5	Energy Saving	Energy Saving features	Will be provided in EIA.	Will be provided in EIA.
6	Fire Fighting measures	Fire Fighting measures	Will be provided in EIA.	Will be provided in EIA.

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Will be provided in EIA.

Parking details:	**Number and area of basement:**	1 basement at Residential Mid-Rise. 2 basements at Residential Point Tower
	Number and area of podia:	1 podium at Residential Mid Rise. 1 podium at Residential Point Tower
	Total Parking area:	2.0 Lakhs m2
	Area per car:	3.0x 6.0/ 2.5 x 5.5 m2
	Area per car:	3.0x 6.0/ 2.5 x 5.5 m2
	Number of 2-Wheelers as approved by competent authority:	Phase I: 5,261.00 Nos. Total: 29,456.00 Nos.
	Number of 4-Wheelers as approved by competent authority:	Phase I: 1,571.00 Nos. Total: 8793 Nos.
	Public Transport:	Bus Stops will be provided at Strategic locations
	Width of all Internal roads (m):	9 m- 24 m
	CRZ/ RRZ clearance obtain, if any:	Application has been done on 23rd April,2019.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Phansad Wildlife sanctuary is Approx.9.84 Km away from the project site.
	Category as per schedule of EIA Notification sheet	Category 8 B
	Court cases pending if any	--
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

TOR Suggested Changes

Consolidated Statement Point Number	Original Remarks	Submitted Changes

8.Location of the project	Survey No. 1237, 1281, 1291, 1292, 1451, 1456, 1457, 1459, 1461, 1462, 1464, 1473, 1474, 1475, 1477, 1478, 1481, 1485, 1492, 1503, 1509, 1525, 1567, 1570, 1571, 1572, 1575, 1594, 1682, 1729, 1731, 1280, 1403, 1405, 1406, 1468, 1469, 1476, 1487, 1574, 1592, 1685, 1463, 1483, 1493 and also extra land from Survey No. 1499, 1499, 1565, 1565, 1597, 1599, 1605, 1606, 1672 at Village - Nagaon, Tal. Alibag, Dist. Raigad. Survey No. 5, 6, 7, 8, 9 10, 11, 12, 13, 14, 15, 16, 17, 18, 18, 18, 19, 20, 22, 23, 24, 25, 26, 27, 29, 31, 32, 33, 34, 35, 36, 37, 40, 41, 42, 197, 240, 249,250, 251, 252, 254, 262, 263, 264, 270, 3, 4, 46, 253, 30 at Village - Bagmala, Tal. Alibag, Dist. Raigad. Survey No. 632B + 645, 632B + 645, 632/1, 632A, 632, 632, 644, 632 at Village - Chaul, Tal. Alibag, Dist. Raigad. Survey No. 191, 193, 193, 193, 192, 194, 203, 203, 204 at Village - Revdanda, Tal. Alibag, Dist. Raigad. Survey No. 51, 51, 55, 56, 57, 58 Village - Mandve, Tal. Alibag, Dist. Raigad.	Survey No. 1237, 1281, 1291, 1292, 1451, 1456, 1457, 1459, 1461, 1462, 1464, 1473, 1474, 1475, 1477, 1478, 1481, 1485, 1492, 1503, 1509, 1525, 1567, 1570, 1571, 1572, 1575, 1594, 1595, 1682, 1729, 1731, 1736, 1739, 1741, 1280, 1403, 1405, 1406, 1468, 1469, 1476, 1487, 1574, 1592, 1685, 1463, 1483, 1493 and also extra land from Survey No. 1499, 1565, 1597, 1599, 1605, 1606, 1672 at Village - Nagaon, Tal. Alibag, Dist. Raigad. Survey No. 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 29, 31, 32, 33, 34, 35, 36, 37, 40, 41, 197, 240, 249,250, 251, 252, 254, 262, 263, 264, 270, 3, 4, 46, 253, 30 at Village - Bagmala, Tal. Alibag, Dist. Raigad. Survey No. 632B + 645, 632B + 645, 632/1, 632A, 632, 632, 644, 632 at Village - Chaul, Tal. Alibag, Dist. Raigad. Survey No. 191, 192, 194, 204 at Village - Revdanda, Tal. Alibag, Dist. Raigad. Survey No. 51/1, 51/2, 55, 56, 57, 58 Village - Mandve, Tal. Alibag, Dist. Raigad.
15.Total Plot Area (sq. m.)	9,55,714.00 m2	9,12,044.00 m2
Deductions (Sq. m.)	--	2,36,742.00 m2
17.Net Plot area	9,55,714.00 m2	6,75,302.00 m2
18.Proposed Built-up Area (FSI & Non-FSI)	--	--
FSI:	Total: 17,71,459.61 m2, Phase-I: 3,16,407.61 m2	Total: 16,39,411.08 m2, Phase-I: 2,07,622.85 m2
NON FSI:	Total: 3,54,291.92 m2, Phase-I: 63,281.52 m2	Total: 4,86,339.93 m2 Phase-I: 1,72,065.78m2
Total Built-up Area	Total: 21,25,751 m2, Phase I: 3,79,689.13 m2	Total: 21,25,750 m2 Phase-I:3,79,688.63 m2
19.Total ground coverage (m2)	Total: 2,50,178 m2 Phase-I: 44,685.00 m2	Total: 2,94,945 m2 Phase-I: 40,143.50 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Total: 50.00% Phase-I: 9.00%	Total: 50.00% Phase-I: 9.00%
22.Number of buildings & its configuration	--	--
--	Townhouse (239 No. of bldgs.) (S+2 & 15 m)	RESIDENTIAL
--	Semi-Detached Villa (123 No. of bldgs.) (S+2 & 15 m)	Residential Mid-Rise (2 are proposed in Phase I) (S+16 & 60 m)
--	Bungalow (Total 41 No. of bldgs. all are proposed in Phase I) (S+2 & 15 m)	Residential high-Rise (3 are proposed in Phase I) (B+S+30 & 100 m)
--	Luxury Bungalow (8 No. of bldgs..) (G+2 & 15 m)	Residential Point Tower (6 are proposed in Phase I) (B+S+P+33 & 110 m)
--	Residential Mid -Rise (Total 34 No. of bldgs. Of which 2 Nos. proposed in Phase-1) (B+G+P+14 & 60 m)	Luxury Bungalow (G+2 & 15 m)
--	Residential Point Tower (Total 31 No. of bldgs. Of which 9 Nos. proposed in Phase-1) (2B+G+P+24 & 90 m)	Bungalow (39 are proposed in Phase I) (S+2 & 15 m)
--	Retail & Market (35 No. of bldgs.) (G+1 & 9 m)	Semi-Detached Villa (S+2 &15 m)

--	Hotel (Total 9 No. of bldgs. Of which 3 Nos. proposed in Phase-1) (G+15 & 60 m)	Townhouse (S+2 & 15 m)
--	Club & Country club (Total 6 No. of bldgs. Of which 2 Nos. proposed in Phase-1) (G+1, G+9 & 50 m)	Retail (1 are proposed in Phase I) (G+1 & 9 m)
--	School (1 No. of bldgs.) (G+6 & 25 m)	Market (1 are proposed in Phase I) (G+1 & 15 m)
--	Health Care (1 No. of bldgs.) (G+8 & 30 m)	HOTEL
--	Commercial office (1 No. of bldgs..) (G+10 & 40 m)	Hotel –I (B+S+6 & 50 m)
--	Convention Centre (1 No. of bldgs..) (G+5 & 20 m)	Leisure Hotel (1 are proposed in Phase I) (B+G+12 & 50 m)
--	EWS (14 No. of bldgs.) (G+6 & 25 m)	Combo Hotel (1 are proposed in Phase I) (B+S+18 & 70 m)
--	Public transport Utility (1 No. of bldgs..) (G+1 & 7 m)	Boutique Hotel (1 are proposed in Phase I) (G+3 & 30 m)
--	--	Hotel – II (B+S+P+12 & 50 m)
--	--	Hotel II Villas (G+2 & 15 m)
--	--	Hotel III (B+S+P+25 & 110 m)
--	--	Hotel IV (B+S+P+20 & 90 m)
--	--	Commercial office (B+S+10 & 40 m)
--	--	Club House (1 are proposed in Phase I) (G+1 & 10 m)
--	--	Country club (1 are proposed in Phase I) (B+G+10 & 50 m)
--	--	Existing School (1 are proposed in Phase I) (G+1 & 10 m)
--	--	School (S+6 & 50 m)
--	--	HEALTH CARE
--	--	Health Care I (1 are proposed in Phase I) (G+1 & 30 m)
--	--	Health Care II (B+S+P+10 & 70 m)
--	--	Convention Centre + Hotel (B+S+P+14 & 90 m)
--	--	Commercial (B+S+2P+25 & 110 m)
--	--	EWS & Social Housing
--	--	EWS & Social Housing I (7 are proposed in Phase I) (G+6 & 25 m)
--	--	EWS & Social Housing II (B+S+16 & 60 m)
--	--	Police Station (G+1 & 7 m)
--	--	Fire Brigade Station (G+1 & 7 m)
--	--	Bus station / Public parking (G+1 & 15 m)
23.Number of tenants and shops	Total: 12740-Units Phase-I: Residential: 1520 units Hotel & Club House: 300 Villas: 41 Nos. School:1 (Existing)	Total: 12736 Units & Phase-I: 2345 Units, PHASE - 1: Residential Mid-Rise (Phase 1): 2, Residential high-Rise (Phase 1) :3, Residential Point Tower (Phase 1) :6, Retail (Phase 1): 1, Bungalow : 39, Market (Phase 1): 1, Leisure Hotel (Phase 1): 1, Combo Hotel (Phase 1) :1, Boutique Hotel (Phase 1) :1, Club House (Phase 1): 1, Country club (Phase 1) :1, Existing School (Phase 1): 1,Health Care I (Phase 1) :1 & EWS & Social Housing I (Phase 1) :7

24.Number of expected residents / users	Phase-I: 15,038.00 Total: 84,192.00	Total: 80,395 Nos Phase: 1- 17,802 Nos
25.Tenant density per hectare	881/ Ha	881/ Ha
32. Total Water Requirement	--	--
Dry season	Source of water: Alibag - MIDC	Source of water Irrigation Dept.
--	Fresh water (CMD): Phase I: 900.00 KLD	Fresh water (CMD): Overall - 7483 KLD, Phase I: 1179 KLD
--	Recycled water - Flushing (CMD): Phase I: 450 KLD	Recycled water - Flushing (CMD): Overall - 7104 KLD, Phase I: 790 KLD
--	Recycled water - Gardening (CMD): Phase I: 43 KLD	Recycled water - Gardening (CMD): Overall – 2655 KLD, Phase I: 171 KLD
--	Total Water Requirement (KLD): Phase I: 1393 KLD Total: 7800 KLD	Total Water Requirement (KLD): Total: 17242 KLD Phase I: 2140 KLD
--	Firefighting - Underground water tank (KLD): (Storage at building level) Phase I: 160,753.00 KLD Total: 900000 KLD	Firefighting - Underground water tank (KLD) (Storage at building level) Total: 90000 KLD Phase I: 2100.00 KLD
--	Excess treated water Phase I- 601	Excess treated water Phase I- 516 KLD
Wet season	Source of water Alibag - MIDC	Source of water Irrigation Dept.
--	Fresh water (CMD): Phase I: 900.00 KLD	Fresh water (CMD): Overall - 7483 KLD, Phase I: 1179 - KLD
--	Recycled water - Flushing (CMD): Phase I: 450 KLD	Recycled water - Flushing (CMD): Overall - 7104 KLD, Phase I: 790 KLD
--	Recycled water - Gardening (CMD): --	Recycled water - Gardening (CMD): --
--	Total Water Requirement (CMD): Phase I: 1350 KLD Total: 7800 KLD	Total Water Requirement (CMD): Total: 14587 KLD Phase I: 1969 KLD
--	Firefighting - Underground water tank (CMD): (Storage at building level) Phase I: 160,753.00 KLD Total: 900000 KLD	Firefighting - Underground water tank (CMD): (Storage at building level) Total: 90000 KLD Phase I: 2100 KLD
--	Excess treated water Phase I- 644	Excess treated water Phase I- 516 KLD
Details of Swimming pool (If any)	Swimming pool area in hotel: 5,400.00 sq.mt (30M x 15M) x 12 nos. Phase –I: 965.00 m2	Swimming pool area in hotel: 5,400.00 sq.mt (30M x 15M) x 12 nos. Phase –I: 848.00 m2
34. Rain Water Harvesting (RWH)	Level of the Ground water table: Will be provided in EIA.	Level of the Ground water table: 1.0 Mtr to 3.5 Mtr below the ground surface
--	Size and no of RWH tank(s) and Quantity: 10 Nos of 1.0 Lakh litre Capacity- (2days storage Tanks)	Size and no of RWH tank(s) and Quantity: 27 Nos of 1.0 Lakh litre Capacity- (2days storage Tanks)
35. Storm water drainage	Natural water drainage pattern Will be provided in EIA.	Natural water drainage pattern Towards sea
--	Quantity of storm water: 28.18 Cum/Sec	Quantity of storm water: 28.18 Cum/Sec
--	Size of SWD: Min size of SWD 2.00 Mx 2.60 M Max size of SWD 18.00M x 2.80M	Size of SWD: Min size of SWD 2.00 Mx 2.60 M Max size of SWD 18.00M x 2.80M
36. Sewage and Waste water	Sewage generation in KLD: Total: 10499 KLD Phase I: 1,875.00 KLD	Sewage generation in KLD: Total: 11524 KLD Phase I: 1679 KLD
--	STP technology: MBBR	STP technology: MBBR
--	Capacity of STP (KLD): 10,499 KLD (Depending on the sewage generation 18 numbers of STP's are planned. Hence the capacity of STP varies as per requirement with respect to the cluster.) Total: 10,449.00 KLD Phase I: 1,875.00 KLD.	Capacity of STP (KLD): 11524 KLD (Depending on the sewage generation 20 numbers of STP's are planned. Hence the capacity of STP varies as per requirement with respect to the cluster.) Total: 11524 KLD Phase I: 1679 KLD

--	Location & area of the STP: 10,499 KLD (Depending on the sewage generation 18 numbers of STP's are planned. Hence the capacity of STP varies as per requirement with respect to the cluster.) Total: 10499 KLD Phase I: 1,875.00 KLD.	Location & area of the STP: 11524 KLD (Depending on the sewage generation 20 numbers of STP's are planned. Hence the capacity of STP varies as per requirement with respect to the cluster.) Total: 11524 KLD Phase I: 1679 KLD
--	Budgetary allocation (Capital cost) Total: 52.495 Crores Phase I: 9.00 Crores	Budgetary allocation (Capital cost) Total: 50 Crores Phase I: 8.00 Crores
--	Budgetary allocation (O & M cost) Total: 1.57 Crores Phase I: 0.27 Crores	Budgetary allocation (O & M cost) Total: 1.50 Crores Phase I: 0.24 Crores
37.Solid waste Management	--	--
Waste generation in the operation Phase	Dry waste: Total: 13.71 TPD Phase I: 2 TPD	Dry waste: Total: 13 TPD Phase I: 2.5 TPD
--	Wet waste: Total: 20.56 TPD Phase I: 4 TPD	Wet waste: Total: 20 TPD Phase I: 3.67 TPD
--	Area requirement: Location(s): Building wise, Area for the storage of waste & other material: 1200 m2 & Area for machinery: Will be provided in EIA.	Area requirement: Location(s): Building wise, Area for the storage of waste & other material: 1 Acre & Area for machinery: --
44.Green Belt Development	Total RG area Total: 47,785.70 m2 Phase I: 8,535.00 m2	Total RG area Total: 45,607.00 m2 Phase I: 17,265.00 m2 -
--	No of trees to be cut NA	No of trees to be cut NA
--	Number of trees to be planted: 800	Number of trees to be planted: 1730 Nos
--	List of proposed native trees: Attached	List of proposed native trees: Attached
48.Energy	--	--
Power requirement	Source of power Supply MSEB	Source of power Supply MSEDCL
--	During Construction Phase: (Demand Load) 1 MW from Local Authority	During Construction Phase: (Demand Load) 1 MW
--	DG set as Power back-up during construction phase 1 DG x 320 kVA capacity	DG set as Power back-up during construction phase 125 KVA – 3 Nos and 320 KVA genset -1 No
--	During Operation phase (Connected load): Phase I: 26.00 MW Total Connected load: 143.98 MW	During Operation phase (Connected load): Total Connected load: 148.2 MW Phase I: 18.90 MW
--	During Operation phase (Demand load): Phase I: 12 MW Total demand load: 67.6 MVA	During Operation phase (Demand load): Total demand load: 75 MVA Phase I: 10 MW
--	Transformer: 3 Nos. 25MVA, 220/22KV in main EHV substation	Transformer: 3 Nos. 25MVA, 220/22KV in main EHV substation
--	DG set as Power back-up during operation phase 1. 2 Nos. of 320 KVA, DG Set for Water Supply & Fire Fighting System for Infra Level only 2. 1 No of 180 KVA DG set for STP	DG set as Power back-up during operation phase 1. 2000 KVA – 2nos, 1750 KVA -2 Nos, 1600 KVA – 2nos, 500 kvA- 1 , 320 KVA – 6 nos 2. 275 KVA -4 nos, 200 KVA -1 and 100 KVA -1 No
49.Energy saving by non-conventional method:	--	Details of solar water heaters and solar street lights will be provided in EIA.
50.Detail calculations & % of saving:	Energy Conservation Measures & Saving % :will be provided in EIA.	Energy Conservation Measures : solar water heaters, Saving % : 20%
52.Environmental Management plan Budgetary Allocation	--	--
a) Construction phase (with Break-up):	Water for Dust Suppression: Total Cost will be provided in EIA.	Water for Dust Suppression: Total Cost per annum 5.00 lacs

--	Site Sanitation, Disinfection & Health Check Up: Total Cost will be provided in EIA.	Site Sanitation, Disinfection & Health Check Up: Total Cost per annum 10.0 lacs
--	Environmental Monitoring : Total Cost will be provided in EIA.	Environmental Monitoring: Total Cost per annum 2.0 lacs
--	Debris/Top soil Management : Total Cost will be provided in EIA.	Debris/Top soil Management: Total Cost per annum 5.0 lacs
--	Health and Safety of Labourers : Total Cost will be provided in EIA.	Health and Safety of Labourers: Total Cost per annum 5.0 lacs
--	EMC : Total Cost will be provided in EIA.	EMC: Total Cost per annum 2.0 lacs
--	Total Cost: will be provided in EIA.	Total Cost: 29.00 lacs per annum
b) Operation Phase (with Break-up):	Sewage Treatment Plant: Capital cost : Phase I: 9.00 Crores Total: 52.495 Crores & Operational and Maintenance cost :Phase I: 0.27 Crores Total: 1.57 Crores	Sewage Treatment Plant: Capital cost :500 Lacs & Operational and Maintenance cost : 150 Lacs/yr
--	Solid Waste Management: Capital cost :Rs. 3.63 Cr. & Operational and Maintenance cost :Rs. 25 Lacs/month	Solid Waste Management: Capital cost: 363 Lacs & Operational and Maintenance cost :75 Lacs/yr
--	Rain Water Management: Capital cost :1.70 Crore & Operational and Maintenance cost :1.20 Lakhs per Annum	Rain Water Harvesting + water treatment plant: Capital cost :170 Lacs & Operational and Maintenance cost :1.20 Lacs/yr
--	RG Area: Will be provided in EIA.	Storm water Drain:Capital cost :750 Lacs & Operational and Maintenance cost :30 Lacs/yr
--	Energy Saving:Will be provided in EIA.	Gardening & Landscaping:Capital cost: 400 Lacs & Operational and Maintenance cost :20 Lacs/yr
--	Fire Fighting measures: Will be provided in EIA.	Energy Saving:Capital cost :1500 Lacs & Operational and Maintenance cost :75 Lacs/yr
--	Total:Will be provided in EIA.	DMP: Capital cost :98 Lacs & Operational and Maintenance cost :30 Lacs/yr
--	--	Total:Capital cost :3781 Lacs & Operational and Maintenance cost 381.2 Lacs/yr
54. Traffic Management	--	--
Parking details	Number and area of basement: 1 basement at Residential Mid-Rise. 2 basements at Residential Point Tower	Number and area of basement: 1 No Total: 184898.35m2 Phase I: 34833.64 m2
--	Number and area of podia: 1 podium at Residential Mid Rise. 1 podium at Residential Point Tower	Number and area of podium: 2 Nos Total:138334.76 m2 Phase I: 12228.38 m2
--	Total Parking area: 2.0 Lakhs m2	Total Parking area: 5.0 Lakhs m2
--	Number of 2- Wheelers as approved by competent authority: Phase I: 5,261.00 Nos. Total: 29,456.00 Nos.	Number of 2- Wheelers as approved by competent authority: Total: 29,456.00 Nos. Phase I: 5488.00 Nos.
--	Number of 4- Wheelers as approved by competent authority Phase I: 1,571.00 Nos. Total: 8793 Nos.	Number of 4- Wheelers as approved by competent authority Total: 8769 Nos. Phase I: 1,815.00 Nos.

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was present during the meeting along with environmental consultant M/s. Building Environment India Pvt ltd.

The project under consideration is new township Project having total construction area 2125751 Sq.mt and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Townhouse (230 No. of bldgs.)	G+2	15
Semi-Detached Villa (123 No. of bldgs.)	G+2	15
Bungalow (Total 41 No. of bldgs. all are proposed in Phase I)	G+2	15
Luxury Bungalow (8 No. of bldgs.)	G+2	15
Residential Mid -Rise (Total 34 No. of bldgs. Of which 2 Nos. proposed in Phase-1)	G+15+P+14	60
Residential Point Tower (Total 31 No. of bldgs. Of which 9 Nos. proposed in Phase-1)	2B+G+P+24	96
Retail & Market (35 No. of bldgs.)	G+1	9
Hotel (Total 9 No. of bldgs. Of which 3 Nos. proposed in Phase-1)	G+35	60
Club & Country club (Total 6 No. of bldgs. Of which 2 Nos. proposed in Phase-1)	G+1 & G+9	50
School (1 No. of bldgs.)	G+6	25
Health Care (1 No. of bldgs.)	G+8	30
Commercial office (1 No. of bldgs.)	G+39	60
Convention Centre (1 No. of bldgs.)	G+5	06
EWS (14 No. of bldgs.)	G+6	25
Public transport Utility (1 No. of bldgs.)	G+1	7

PP stated & presented that, the total plot area of the project is 9,55,714.00 Sq.mt **having total construction area 2125751** Sq.mt. (FSI - 1639411.08 Sq.mt Phase-I- 267622.85sq.mt +NON FSI- 486339.92Sq.mt Phase-I-172065. 785q.mt) **and the building configuration which was submitted during the presentation is as follow -**

Building Name	Building number in Phase I	Number of floors	Height (Mtrs)
Residential			
Residential Mid -Rise	2	G+16	60
Residential high -Rise	9	S+G+39	100
Residential Point Tower	9	S+G+P+33	100
Luxury Bungalow		G+2	15
Bungalow	39	G+2	15
Semi-Detached Villa		G+2	15
Townhouse		G+2	15
Retail	1	G+1	9
Market	1	G+1	9
Hotel			
Hotel- I		S+G+6	30
Leisure Hotel	1	S+G+12	60
Combo Hotel	1	S+G+18	70
Boutique Hotel	1	G+3	30
Hotel- II		S+G+P+12	50
Hotel- II villas		G+2	15
Hotel- III		S+G+P+25	100
Hotel- IV		S+G+P+20	80
Commercial office		S+G+10	45
Club house	1	G+1	15
Country club	1	S+G+10	50
Existing school	1	G+1	10
school		G+6	30
Health Care			
Health Care I		G+1	30
Health Care II	1	S+G+P+10	70
Convention Centre + Hotel		S+G+P+14	60
Commercial		S+G+2P+25	110
EWS & Social housing			
EWS & Social housing I		G+9	25
EWS & Social housing II	2	S+G+15	60
Police station		G+1	7
Fire Bridget station		G+1	7
Bus Station/Public parking		G+1	15

It is noted that the project earlier considered in 107th (Day-2) Meeting held on 29-07-2019 & ToR accorded for the same. In 115th meeting held on 4-5th October 2019 EIA submitted was appraised along with Project location, accessibility of the project, solid waste management, Landscape plan of the entire project, RG, traffic, Water requirement, Socio-economic, Energy these chapters & ToR points were discussed in detail & project deferred with observations namely 1) **It is noted that the application submitted to the MCZMA is for 223 Acers while plot area is 225.36 Acers .PP to** assent the MCZMA application accordingly. 2) to submit the detail calculation regarding water requirement along with detail plan for water supply. 3) to submit the detail calculation regarding water requirement along with detail plan for water supply. 4) to resubmit the details regarding ground water levels. 5) demolition waste, and concrete debris can be recycled for making paver blocks and use these to the extent possible in the project itself. 6) to obtain the Petroleum and Explosives Safety Organisation PESO NoC, if require. 7) to provide electric charging points/ stations in parking area. 8) **to provide the facility for waste collects, segregation, recycling of dry waste through self-help groups.** Accordingly, PP submitted the compliance & EIA report which was taken on record. **SWD, Hydrology, Wind, shadow analysis** chapters discussed in detail.

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP has already uploaded the storm water drain capacity study report by considering the rainfall intensity for 4 hours. PP to ensure that, the drain size & design should be as per that capacity. PP to also provide the appropriate holding ponds during phase wise construction as per SWD design.
2) Committee noted that, the part of land fall in CRZ I & III. PP to obtain the MCZMA clearance.
3) As shown during the presentation, PP to upload the Layout showing location of services including environmental infrastructure on the website immediately. PP to produce the same to SEIAA.
4) PP to abide the all conditions stipulated in the location clearance.
5) PP to abide by the phase wise plan of the use of surplus water of STP. PP to also explore the possibility to use surplus treated water of other project for the phase I of their project. All the STPs as proposed in the project should remain on ground with minimum 40% open to sky and that BOD should not exceed 5.
6) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.
7) PP to ensure ECBC norms are complied with.
8) PP to obtain clearance from competent authority with reference to Thane creek Flamingo Sanctuary if any part of Project falls within 10 km radius from the boundary of said Sanctuary, and other ESZ/CRZ clearances, if applicable. The planning authority to ensure fulfillment of this condition before granting the CC.
9) PP not to undertake any construction on slopes 1:5 and more, if any.
10) No any natural drain in the project area to be diverted.
11) PP to ensure segregation of dry and wet waste at source.
12) PP to take up the CER activities as stipulated in MOEF &CC office order dated 1.5.2018.

FINAL RECOMMENDATION

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

1.Name of Project	"Plutonium Business Park" at Turbhe, Navi Mumbai.
2.Type of institution	Private
3.Name of Project Proponent	M/s. Plutonium Business solutions Pvt. Ltd. (Mr. Ratilal Patodia –Director)
4.Name of Consultant	M/s. ULTRA TECH
5.Type of project	IT Park
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Plot No. 7 & 7A adjoining Ikea, Near Turbhe Railway Station, Thane Belapur Road, Turbhe, Navi Mumbai.
9.Taluka	Navi Mumbai
10.Village	Turbhe
Correspondence Name:	M/s. Plutonium Business Solutions Pvt. Ltd. (Mr. Ratilal Patodia –Director)
Room Number:	--
Floor:	Plot No.7
Building Name:	--
Road/Street Name:	Turbhe-Thane Belapur Road
Locality:	Belapur Road
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	Maharashtra Industrial Development Corporation (MIDC)
12.IOD/IOA/Concession/Plan Approval Number	Application No.: SWC/14/521/20190408/625263 Dated 27.09.2019
	IOD/IOA/Concession/Plan Approval Number: Application No.: SWC/14/521/20190408/625263 Dated 27.09.2019
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not Applicable
15.Total Plot Area (sq. m.)	10268.00 Sq. mt.
16.Deductions	--
17.Net Plot area	10,268.00 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 30,785.60 Sq. mt.
	b) Non FSI area (sq. m.): 36,908.05 Sq. mt.
	c) Total BUA area (sq. m.): 67693.65
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** --
	Approved Non FSI area (sq. m.): --
	Date of Approval: 27-09-2019
19.Total ground coverage (m2)	5313.093
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	51.74 %
21.Estimated cost of the project	3087071281

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	One Building	Ground + 1st floor + 2nd to 5th Parking floor + 6th Podium + 7th to 18th floors	75.70

23.Number of tenants and shops	I.T Support services and I.T Offices
24.Number of expected residents / users	4348 Nos. (Floating population)
25.Tenant density per hectare	--
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	It is well connected by 32.00 m wide Thane Belapur 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	At present there is factory building present on site which will be demolished
30.Details of the demolition with disposal (If applicable)	Demolition Debris shall be partly recycled and partly shall be disposed to authorized landfill site with permission of MIDC

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	M.I.D.C.
	Fresh water (CMD):	74 KLD
	Recycled water - Flushing (CMD):	68 KLD
	Recycled water - Gardening (CMD):	15 KLD
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	157 KLD
	Fire fighting - Underground water tank(CMD):	2 tanks with combine capacity of 200 KL
	Fire fighting - Overhead water tank(CMD):	30 KL
	Excess treated water	31 KLD
Wet season:	**Source of water**	M.I.D.C./ Partly by RWH in monsoon season
	Fresh water (CMD):	74 KLD (53 from MIDC + 21 KLD from RWH)
	Recycled water - Flushing (CMD):	68 KLD
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	142 KLD
	Fire fighting - Underground water tank(CMD):	2 tanks with combine capacity of 200 KL
	Fire fighting - Overhead water tank(CMD):	30 KL
	Excess treated water	46 KLD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Details shall be submitted
	Size and no of RWH tank(s) and Quantity:	RWH Tank of Capacity 70 KL
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	Nil
	Size of recharge pits :	Not applicable
	Budgetary allocation (Capital cost) :	Rs. 8.00 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.31 Lacs/annum
	Details of UGT tanks if any :	Location of UG tanks: Underground
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal SWD.
	Quantity of storm water:	0.23 m3/sec
	Size of SWD:	450 mm X 600 mm channel with slope 1:300
Sewage and Waste water	**Sewage generation in KLD:**	127 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	STP of Capacity 140 KL
	Location & area of the STP:	Location: Ground; Area: 113 Sq. mt.
	Budgetary allocation (Capital cost):	Rs. 52.95 Lacs
	Budgetary allocation (O & M cost):	Rs. 12.59 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavation material shall be disposed to Authorized landfill site.
	Disposal of the construction waste debris:	Construction waste material shall be partly reused/ recycled and remaining shall be disposed to the authorized site.
Waste generation in the operation Phase:	**Dry waste:**	261 Kg/day
	Wet waste:	174 Kg/day
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	19 kg/day
	Others if any:	E-waste: 222 kg/month

Mode of Disposal of waste:	**Dry waste:**	To Authorized recyclers
	Wet waste:	Treatment in Organic Waste Convertor
	Hazardous waste:	Not applicable
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	E- Waste: To Authorized recyclers
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	13 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. 0.81 Lacs/annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not app45) Hazardous Waste Details Description Cat UOM Existing Proposed Total Method of Disposal licable	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	Not applicable	--	--
41.Source of Fuel		--		
42.Mode of Transportation of fuel to site		--		

43.Green Belt Development	**Total RG area :**	Green area - On ground: 1106.363 Sq. mt. On Podium : 2152.967 Sq. mt.
	No of trees to be cut :	As per Tree NOC
	Number of trees to be planted :	Total 103 Nos. of trees shall be planted
	List of proposed native trees :	As shown below
	Timeline for completion of plantation :	Before completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Erythrina indica	Pangara	15	It is a drought resistant tree
2	Azadiracta indica	Neem	16	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties
3	Cassia fistula	Bahawa	10	Beautiful yellow flowers, it is relatively drought tolerant and slightly salt tolerant. It has medicinal properties
4	Mimusops elengi	Bakul	12	Its timber is valuable, the fruit is edible, and it is used in traditional medicine.
5	Lagerstroemia flosregineae	Tamhan	10	Medium sized tree, beautiful purple flowers, it has medicinal properties
6	Cassia javanica	Pink shower	10	It is planted as ornamental plant. It is a butterfly host plant.
7	Saraca asoca	Ashoka	9	Shady evergreen tree with red-yellow flowers.
8	Acacia auriculiformis	Maha Babul	11	Planted as ornamental plant, shady tree
9	Alstonia scholaris	Saptparni	10	Evergreen Shady Tree with fragrant flowers, Medicinal properties
10	Total	--	103	-
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)	150 KW
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	4158 KW
	During Operation phase (Demand load):	2495 KW
	Transformer:	4 nos. of 1000 kVA
	DG set as Power back-up during operation phase:	1 no. of 750 kVA and 2 nos. of 1000 kVA each
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

- Provision of LED lights
- Use of VFDs
- Energy efficient system
- Use of Solar power for external lighting, lift lobby passage and staircase lighting, parking lights

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	25 %
2		

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. 26.00 Lacs
	O & M cost:	Rs. 1.00 Lac/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	Cost for Dust Suppression	0.72

2	Air Environment	Air and Noise Monitoring: On site Sensors	2.50
3	Air Environment	Air and Noise Monitoring: By outside MoEF & CC Approved Laboratory	0.22
4	Water Environment	Drinking water analysis	0.03
5	Land Environment	Site Sanitation	1.00
6	Health & Hygiene	Disinfection at site - Pest Control	1.20
7	Health & Hygiene	Health Check-up of workers	4.50

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR & NOISE ENVIRONMENT – Cost for Ambient Air quality & Noise Monitoring:On site sensors	On site sensors	No set up cost is involved as already considered Construction Phase	0.50
2	AIR & NOISE ENVIRONMENT – Cost for Ambient Air quality & Noise Monitoring:On site sensors	By outside MoEF & CC Approved Laboratory	*No set up cost is involved	0.22
3	AIR & NOISE ENVIRONMENT - Cost for DG Stack Exhaust Monitoring	2 nos. of stacks	*No set up cost is involved	0.10
4	AIR & NOISE ENVIRONMENT - Cost for Plantation	3259.33 Sq.mt. of Green area	17.93	1.20
5	WATER ENVIRONMENT – Cost for Waste water treatment	Cost for sewage Treatment Plant	34.95	11.59
6	WATER ENVIRONMENT - Cost for water & waste water Monitoring	On site sensors	18.00	1.00
7	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	*No set up cost is involved	0.03
8	WATER ENVIRONMENT - Water Conservation (Cost for Rain Water Harvesting System & Monitoring)	Cost for RWH Tank	5.00	0.25

9	WATER ENVIRONMENT - Water Conservation (Cost for Rain Water Harvesting System & Monitoring)	Cost for treatment unit for rain water tanks	3.00	0.01
10	WATER ENVIRONMENT - Water Conservation (Cost for Rain Water Harvesting System & Monitoring)	By outside MoEF & CC Approved Laboratory	*No set up cost is involved	0.05
11	LAND ENVIRONMENT – (Cost for Solid Waste Management)	Cost for Treatment of biodegradable garbage in OWC	9.00	0.73
12	LAND ENVIRONMENT – (Cost for Solid Waste Management)	Cost for Manure Monitoring	*No set up cost is involved	0.08
13	ENERGY CONSERVATION - Use of renewable energy	Solar system	26.00	1.00
14	Cost towards disaster management	--	723.00	37.46

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	3 nos. of entry exits

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	2nd to 5th Parking floor & 6th Podium
	Total Parking area:	16438.09 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	Required: 62 Nos. Provision: 96 Nos.
	Number of 4-Wheelers as approved by competent authority:	Required: 678 Nos. Provision: 766 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Min 6.0 mt. driveway
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	Not Applicable
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is *new IT park project. PP further stated that, t*he total plot area of the project is 10268.00 Sq.mt having total construction area 67693.65 Sq.mt.(FSI – 30785.60 sq.mt +NON FSI- 36908.05 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
One Building	Basement + Ground + 1st floor + 2nd to 6th Parking floor + 7th Podium + 8th to 22nd floors	93.16

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. Layout showing location of services including environmental infrastructure has

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to explore the possibility that demolition waste and concrete debris can be recycled for making paver blocks and use these to the extent possible in the project itself.
2) As shown during the presentation, PP to upload the Layout showing location of services including environmental infrastructure on the website immediately. PP to produce the same to SEIAA.
3) PP to ensure that Derbies management should be as per Construction and Demolition Waste Management Rules 2016. Also the Derbies management plan should approved by local planning authority.
4) PP to ensure that, E-waste management should be as per E-waste management rule, 2016
5) PP to provide adequate (1:5) electric charging points/ stations in parking area.
6) PP to upload CFO NoC. Also PP to provide Fire hydrants along with necessary equipment on top of the podium and separate stair case which go direct to the podium for fire man.
7) PP to explore the possibility to increase the solar energy saving from 2 % to 3%.
8) PP to ensure ECBC norms are complied with.
9) PP to obtain the NoC from Petroleum and Explosives Safety Organisation (PESO) for DG set, if required.
10) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
11) PP to submit CER (as per green field) prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 116th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 116 **Meeting Date** October 10, 2019

Subject: Environment Clearance for Environment Clearance for Proposed Commercial IT Building development at Plot No. D-107, TTC Industrial area, Shiravane, Nerul, Navi Mumbai.

Is a Violation Case: No

1.Name of Project	Proposed Commercial IT Building Development
2.Type of institution	Private
3.Name of Project Proponent	Greenscape Realty
4.Name of Consultant	Building Environment (I) Pvt. Ltd.
5.Type of project	Commercial IT Building Development
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No. D-107, TTC Industrial area, Shiravane, Nerul, Navi Mumbai.
9.Taluka	Thane
10.Village	--
Correspondence Name:	Suresh Ambavi Wavia
Room Number:	1908
Floor:	19
Building Name:	Cyber One
Road/Street Name:	--
Locality:	Sector-30A, Behind Odisha Bhavan, Vashi,
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	MIDC
12.IOD/IOA/Concession/Plan Approval Number	Commencement Certificate
	IOD/IOA/Concession/Plan Approval Number: Part Commencement Certificate received: MIDC No.EE/DN.II/MHP/SPA/ B41403/of 2019; Dated- 24/04/2019
	Approved Built-up Area: 41738.576
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Commencement Certificate
15.Total Plot Area (sq. m.)	5400.00
16.Deductions	Nil
17.Net Plot area	5400.00
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 16170.900
	b) Non FSI area (sq. m.): 25567.676
	c) Total BUA area (sq. m.): 41738.576
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 16170.900
	Approved Non FSI area (sq. m.): 25567.676
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	2709.60
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	50.18 %
21.Estimated cost of the project	847500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 Building with 1 wing	Ground + 1st to 5th Floor Parking podiums + 6th Floor Landscape podium + 7th to 25th Floors	94.55 Meters

23.Number of tenants and shops	No. of Shops- 08 No. of Offices- 175
24.Number of expected residents / users	Shops: 180 Persons, Offices: 1687 Persons, Visitors (15%): 280 Persons
25.Tenant density per hectare	338.90
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24.50 Meters
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	09 Meters
29.Existing structure (s) if any	Yes , Godown
30.Details of the demolition with disposal (If applicable)	Demolition structure volume:10775 Cu. M. (demolished metal will be used for fencing and debris will be used with in the site only)

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MIDC + STP treated water
	Fresh water (CMD):	39.00
	Recycled water - Flushing (CMD):	50.00
	Recycled water - Gardening (CMD):	11.00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	100.00
	Fire fighting - Underground water tank(CMD):	200.00
	Fire fighting - Overhead water tank(CMD):	30.00
	Excess treated water	12.00
Wet season:	**Source of water**	MIDC + RWH + STP treated water
	Fresh water (CMD):	5.71 (MIDC) + 33.29 (RWH) = 39.00
	Recycled water - Flushing (CMD):	50.00
	Recycled water - Gardening (CMD):	0.00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	89.00
	Fire fighting - Underground water tank(CMD):	200.00
	Fire fighting - Overhead water tank(CMD):	30.00
	Excess treated water	23.00
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Ground water table is below 4 Meters hence recharge pits are not provided.
	Size and no of RWH tank(s) and Quantity:	1 RWH tank of 35 KLD
	Location of the RWH tank(s):	On Ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	4.00 Lacs
	Budgetary allocation (O & M cost) :	1.00 Lacs/ Year
	Details of UGT tanks if any :	U/G Tank for Domestic Water Supply- 44,000 litres U/G Tank for Flushing Water Supply- 54,000 litres
35.Storm water drainage	**Natural water drainage pattern:**	The storm drainage above ground will essentially cater for the seasonal rains. The major part of discharge will be from the roof. Rain water outlets will be provided at the edges from where it will be carried down by UPVC agriculture pipes to discharge water into storm water entrance chambers below ground. Dewatering submersible pumps inside the sumps will pump water from the sumps to storm water entrance chambers outside the basement below the ground. Run- off from the ground and terrace will b
	Quantity of storm water:	0.13 cum/sec
	Size of SWD:	0.45 x 0.6 m
Sewage and Waste water	**Sewage generation in KLD:**	80 KLD
	STP technology:	Microfiltration technology based on KSQ Flat sheet membrane
	Capacity of STP (CMD):	1 STP of 90 KLD
	Location & area of the STP:	On ground and area 72 Sq. Mtrs.
	Budgetary allocation (Capital cost):	10 Lacs
	Budgetary allocation (O & M cost):	4 Lacs/Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated soil will be used in land leveling purpose & construction debris will be handed over to authorized agency.
	Disposal of the construction waste debris:	Construction debris will be handed over to Authorized agency.
Waste generation in the operation Phase:	**Dry waste:**	327.17 Kg/day
	Wet waste:	218.11 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	2.25 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be handed over to authorize agency.
	Wet waste:	Composting through OWC & used at site as manure.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure within the premises for plants. Excess shall be sold /handover to outside parties or gardens.
	Others if any:	E-waste (approx 3 T/Year)
Area requirement:	**Location(s):**	On ground
	Area for the storage of waste & other material:	30 Sq. Mt.
	Area for machinery:	30 Sq. Mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	7.50 Lacs
	O & M cost:	3.50 Lacs/ Year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	--	High Speed Diesel ;Fuel Consumption :- @75% Load – 99Ltrs/Hour @100% Load – 132Ltrs/Hour Fuel Tank Capacity :- 990 Ltrs	--	3.42	0.3	--

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 :**	Total RG area: 2095.504 Sq. Mt. (RG area on Ground: 565.504 Sq. Mt. and on 6th Floor Podium: 1530.00 Sq. Mt.)
	No of trees to be cut :	Existing Trees: 18 Nos. (No. of Trees proposed for felling: 11 Nos. No. of Trees to be kept as it is: 07 Nos.)
	Number of trees to be planted :	94 Nos.
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	5 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Citrus sp.	Lemon	20	Butterfly host plant having high Air Pollution Index Tolerance (APIT) tree, small white fragrant flowers.
2	Nyctanthes arbor-tristis	Parijatak	14	Small deciduous fast growing tree, beautiful flowers
3	Cassia fistula	Bahava	10	Medium sized deciduous tree Beautiful yellow flowers, Butterfly host plant
4	Bauhiniaracemosa	Apta	10	Small tree with small white flowers, Butterfly host plant
5	Saraca asoka	Sita Asoka	10	Shady tree with Red-Yellow Flowers
6	Polyalthia longifolia	False Asoka	10	Med. Tree having high Air Pollution Index Tolerance (APIT)
7	Areca sp.	Palm	10	Ornamental
8	Michellia champaca	Soanchaffa	10	Ornamental
45.Total quantity of plants on ground				

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

Serial Number	Name	C/C Distance	Area m2
1	Nirgudi, Adulsa, White Plumbago, Ber , Stachytarpheta, Takala, Tarwad, Krushna Kamal	--	1530.00 Sq. Mt.

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	100 kVA
	During Operation phase (Connected load):	2174 kW
	During Operation phase (Demand load):	1739 kW
	Transformer:	1000 kVA x 3 nos.
	DG set as Power back-up during operation phase:	600 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Reduction in consumption by using Energy Saving Measure:
1. LED Light for Offices
2. LED Lights for Lift Lobby passage and Staircase
3. Saving in lift by using VFD
4. Solar Lighting for External Lighting
5. Solar Power for Lift Lobby passage and Staircase Lighting
6. Solar Power for Parking Lights

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Annual Saving only by Solar	7.5 %
2	Total Annual Saving	22 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	25.00 Lacs
	O & M cost:	1.00 Lacs/ Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	PPE	--	5.00
2	Site Sanitation Facility	--	4.00
3	Drinking water Facility	--	2.00

4	Solid Waste Management	--	2.50
5	Safety railing, platform, ladder, crane, hoist etc.	--	6.00
6	House Keeping	--	2.00
7	Health check	--	1.00
8	Environmental Monitoring	--	1.50
9	Anti rust coating on foundation steel bars	--	5.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain water harvesting (RWH)	--	4.00	1.00
2	Sewage Treatment Plant (STP)	--	10.00	4.00
3	Solid waste Management	--	7.50	3.50
4	Landscaping	--	6.50	0.60
5	Solar lighting	--	25.00	1.00
6	DMP	--	315.71	27.78

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	6 Podiums: 1st Floor Podium: 1923.496 Sq. Mt., 2nd Floor Podium: 2612.885 Sq. Mt., 3rd Floor Podium: 2612.885 Sq. Mt., 4th Floor Podium: 2612.885 Sq. Mt., 5th Floor Podium: 2612.885 Sq. Mt. and 6th Floor Podium: 2361.05 Sq. Mt.
	Total Parking area:	Total Parking Area- 10271.237 Sq. Mt. (Parking area on Ground: 750.00 Sq. Mt., 1st Floor Podium: 1435.197 Sq. Mt., 2nd Floor Podium: 2021.51 Sq. Mt., 3rd Floor Podium: 2021.51 Sq. Mt., 4th Floor Podium: 2021.51 Sq. Mt. and 5th Floor Podium: 2021.51 Sq. Mt.)
	Area per car:	28.77 Sq. Mt.
	Area per car:	28.77 Sq. Mt.
	Number of 2-Wheelers as approved by competent authority:	Required: 33 Nos. and Provided: 33 Nos.
	Number of 4-Wheelers as approved by competent authority:	Required: 356 Nos. and Proposed: 369 Nos.
	Public Transport:	Nerul Railway Station
	Width of all Internal roads (m):	9 & 6 Meters
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 (a) B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr. Jayesh was present during the meeting along with environmental consultant M/s. Building Environment (I) Pvt. Ltd.

PP informed that, the project under consideration is *new commercial IT building development project. PP further stated that, t*he total plot area of the project is 5400.00Sq.mt. having total construction area 41738.576Sq.mt. (FSI – 16170.900 sq.mt + NON FSI - 25567.676 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
1 Building with 1 wing	Ground + 1st to 5th Floor Parking podiums + 6th Floor Landscape podium + 7th to 25th Floors	1. 55.

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. Layout showing location of services including environmental infrastructure has been

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP informed that there is change in online CS with respect to date of approval of plan. PP to revise the same online also.
2) As shown during the presentation, PP to upload the Layout showing location of services including environmental infrastructure on the website immediately. PP to produce the same to SEIAA.
3) PP to ensure that, E-waste management should be as per E-waste management rule, 2016
4) PP to increase the solar energy saving from 1.5 % to 4%.
5) PP to provide Fire hydrants along with necessary equipment on top of the podium and separate stair case which go direct to the podium for fire man.
6) PP to abide the all conditions of CFO NoC.
7) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
8) PP to submit CER (as per green field) prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 116th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 116 **Meeting Date** October 10, 2019

Subject: Environment Clearance for for proposed SRA Scheme on land bearing C.S. no. 110 (pt.) of Lower Parel Division, Mumbai City District, at Manjrekar Lane, Gandhi Nagar, Worli, Mumbai-400 018 for "PAREL LOKSEVA SRA CHS LTD."

Is a Violation Case: No

1.Name of Project	Environmental clearance for proposed SRA Scheme for Parel Lokseva Co. Op. HSG Society at Worli
2.Type of institution	Private
3.Name of Project Proponent	Mr. Rajesh Jain
4.Name of Consultant	Building Environment India Pvt. Ltd.
5.Type of project	Building construction
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	C.S. no. 110(PT)
9.Taluka	Mumbai
10.Village	Lower Parel
Correspondence Name:	Mr. Sunil Dujari
Room Number:	807/808
Floor:	8th Floor
Building Name:	Hubtown Solaris
Road/Street Name:	N.S. Phadke Marg
Locality:	Near Regency Hotel
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Rehab :- SRA/ENG/2774/GS/ML/AP dtd. 08.04.2019 Sale :- SRA/ENG/3822/GS/ML/AP dtd. 08.04.2019
	IOD/IOA/Concession/Plan Approval Number: Rehab :- SRA/ENG/2774/GS/ML/AP dtd. 08.04.2019 Sale :- SRA/ENG/3822/GS/ML/AP dtd. 08.04.2019
	Approved Built-up Area: 22624.64
13.Note on the initiated work (If applicable)	Rehab building construction is in process. Till date constructed BUA is 8658.82 sq.m. It is not a violation case as per circular by Environment Department, no. ENV 2013/CR 39/TC-1 dtd 21st April 2015
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	SRA/ENG/798/GS/ML/LOI SRA/ENG/718/GS/ML/LOI dtd. 02.04.2019
15.Total Plot Area (sq. m.)	2348.40 sq.m
16.Deductions	4.57 sq.m
17.Net Plot area	2343.83 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 14639.27 sq.m
	b) Non FSI area (sq. m.): 12768.59 sq.m
	c) Total BUA area (sq. m.): 27407.86
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 11782.56 sq.m
	Approved Non FSI area (sq. m.): 10842.08 sq.m
	Date of Approval: 08-04-2019
19.Total ground coverage (m2)	1454.43 sq.m
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	62.05

21.Estimated cost of the project	1145000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab building no. 1	One Basement, Ground, 23 upper floors	75.10 mt. (upto OHT top)
2	Sale building no. 2	One Basement, Ground floor (shops/commercial), 1st floor part (shops/commercial/part parking), 2nd floor part (offices/ shops/commercial part parking) , 3rd floor Podium for amenity and 4th to 40th Residential upper floors	142.85 mt. (upto LMR top)

23.Number of tenants and shops	Rehab Building Residential: 146, Shops: 32, RC: 6, Balwadi: 1, Welfare Center: 1, Society office: 2, Library: 1, Woman Entrepreneurship: 1, PAP: 11 Total: 201 Sale Building Shops: 18, Flats: 140 Total: 158
24.Number of expected residents / users	Rehab: 732 nos. Sale: 751 nos.
25.Tenant density per hectare	650
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 Manjrekar road and 27.45 m Drainage channel marg.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m. site is accessible from 2 side Roads (13.40mt. & 27.45mt.)
29.Existing structure (s) if any	Slums existed on site which are demolished.
30.Details of the demolition with disposal (If applicable)	Slum demolition debris will be disposed at place at NMSEZ additional Phase-I, Kalamboli, Taluka Panvel as per NOC received from MCGM.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM and recycled water
	Fresh water (CMD):	Rehab: 61.0 (including 0.6 KLD for Car washing) Sale: 68.0 (including 3.6 KLD for Car washing)
	Recycled water - Flushing (CMD):	Rehab: 31.0 Sale: 32.5
	Recycled water - Gardening (CMD):	Rehab: 0.5 Sale: 1.7
	Swimming pool make up (Cum):	Rehab: 0.0 Sale: 4.3 (by Tanker supply)
	Total Water Requirement (CMD) :	Rehab: 92.5 Sale: 106.5 Total: 199.0
	Fire fighting - Underground water tank(CMD):	Rehab: tank 1 (75.0 m3), tank 2 (75.0 m3), tank 3 (50 m3) Sale: 300.0 m3
	Fire fighting - Overhead water tank(CMD):	Rehab: 38.0 Sale: 30.0
	Excess treated water	About 110 KLD excess treated sewage shall be discharged into municipal sewer as per norms.
Wet season:	**Source of water**	MCGM, RWH and recycled water
	Fresh water (CMD):	Rehab: 33.0 Sale: 32.0
	Recycled water - Flushing (CMD):	Rehab: 31.0 Sale: 32.5
	Recycled water - Gardening (CMD):	Rehab: 0.0 Sale: 0.0
	Swimming pool make up (Cum):	Rehab: 0.0 Sale: 4.3 KLD (by Tanker supply)
	Total Water Requirement (CMD) :	Rehab: 64.0 Sale: 69.0
	Fire fighting - Underground water tank(CMD):	Rehab: tank 1 (75.0 m3), tank 2 (75.0 m3), tank 3 (50 m3) Sale: 300.0 m3
	Fire fighting - Overhead water tank(CMD):	Rehab: 38.0 Sale:30.0
	Excess treated water	About 113 KLD of excess treated sewage will be discharged into municipal sewer as per norms.
Details of Swimming pool (If any)	Swimming pool for Sale building Area: 119.81 sq.m Volume: 161.74 m3	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	4.3 m BGL
	Size and no of RWH tank(s) and Quantity:	No. of tank: 1 Size: 64 cum
	Location of the RWH tank(s):	Sale building basement
	Quantity of recharge pits:	0
	Size of recharge pits :	0
	Budgetary allocation (Capital cost) :	10 Lacs
	Budgetary allocation (O & M cost) :	0.02 Lacs
	Details of UGT tanks if any :	Rehab: Fire tank 1 (75.0 m3), Fire tank 2 (75.0 m3), Fire tank 3 (50 m3), Flush tank (25 m3), Commercial domestic tank (10 m3) Sale: Fire tank (300.0 m3), Flush tank (55 m3), Domestic water (107 m3), RWH (64 m3)
35.Storm water drainage	**Natural water drainage pattern:**	Natural drainage slope is towards South direction. Slope of SWD channel is 1:200
	Quantity of storm water:	0.041 m3/sec
	Size of SWD:	Area of drain channel: 0.135 sq.m
Sewage and Waste water	**Sewage generation in KLD:**	Rehab: 86 KLD Sale: 90 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Rehab: 94 CMD Sale: 99 CMD
	Location & area of the STP:	Rehab: Below ground level (65 sq.m) Sale: Basement (111 sq.m)
	Budgetary allocation (Capital cost):	1.2 Cr
	Budgetary allocation (O & M cost):	12 Lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Soil, Sand & Gravel: 746475 Kg Brick & Masonary: 642798 Kg Concrete: 476914.7 Kg Metals: 103677 Kg Bitumen: 41471 Kg Wood: 41471 Kg Others: 20735 Kg
	Disposal of the construction waste debris:	Construction debris will be used for levelling at site and excess will be disposed as per MCGM NOC at NMSEZ additional Phase-I, Kalamboli, Taluka Panvel.
Waste generation in the operation Phase:	**Dry waste:**	Rehab: 149 Kg/day Sale: 145 Kg/day
	Wet waste:	Rehab: 214 Kg/day Sale: 202 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Rehab: 10kg/day Sale: 8kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to authorized vendor
	Wet waste:	Composting through OWC
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge will be treated in OWC and used as manure in gardening.
	Others if any:	-
Area requirement:	**Location(s):**	Rehab: Ground floor Sale: 1st Podium
	Area for the storage of waste & other material:	Rehab: 2.5 sq.m Sale: 2.5 sq.m
	Area for machinery:	Rehab: 4.42 sq.m Sale: 4.42 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	20 Lacs
	O & M cost:	5.6 Lacs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	As per required: - Rehab:- 125.00 sq.m Sale :- 82.00sq.m As provided: Rehab:- 125.00 sq.m Sale :- 82.00sq.m RG on Ground: 207.00 sq.m RG on Podium: 123.80 sq.m Total: 330.8 sq.m
	No of trees to be cut :	nil
	Number of trees to be planted :	25
	List of proposed native trees :	Sonchafa, scarlet cordia, Kanchan tree, Frangipani and Parijatak
	Timeline for completion of plantation :	After completion of Construction and before obtaining O.C

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	Magnolia champaca	Sonchafa	04	It is a large evergreen tree with a close tapering conical to cylindrical crown composed of ascending branches. The tree is also used in reforestation projects. is commonly cultivated as an ornamental and wayside tree throughout the tropics, being valued especially for its fragrant flowers, which are often used in religious ceremonies
2	Cordia sebestena	Scarlet cordia	05	Scarlet cordia is a small shapely tree which grows up to be 25 feet tall and as wide and can develop a trunk 12 inches thick. Flowers are orange, with a narrowly crinkly tube, flaring open into a flat-faced flower
3	Bauhinia purpurea	Kanchan	06	Bauhinia purpurea is a small to medium-sized deciduous fast-growing tree. The tree has ornamental value because of its gorgeous flowers
4	Plumeria alba	Frangipani	04	A small tree, planted as an ornamental. Trunk is usually leaning and often branched. Leaves are long, narrow, clustered near the end of branches. Branches have many scars showing where leaves have fallen off. White latex drips out where a leaf is broken off, or from any cut in bark or stems
5	Nyctanthes arbor tristis	Parijatak	06	Grows as large shrub or small tree depending on how it is trained. The large attractive leaves are rough and hairy. The sweet scented flowers are small, attractive with white petals and an orange-red tube in center
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	Cape Jasmine	450 mm	9.10
2	Parrot Flower	250 mm	20.87
3	Lady Palm	600 mm	23.62
4	Umbrella Plant	350 mm	19.64
5	Tasman Flax Lily	200 mm	3.77

47.Energy

Power requirement:	**Source of power supply :**	BEST
	During Construction Phase: (Demand Load)	350 KW
	DG set as Power back-up during construction phase	no
	During Operation phase (Connected load):	Rehab: 2116 KW Sale: 3333 KW Total: 5449 KW
	During Operation phase (Demand load):	Rehab: 948 KW Sale: 1593 KW Total: 2540 KW
	Transformer:	1* 1630 KVA
	DG set as Power back-up during operation phase:	Rehab: 1*700 KVA Sale: 1*700 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Total energy saving: 19.5 %
Energy saving through solar system: 8.05 %

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED fittings for flats and shops	40
2	LED lights for parking, lobby, terrace and road lights	60
3	Solar hot water system	20
4	Use of BEE certified motors for car lifts	20

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Domestic Sewage and waste	Not applicable	STP, OWC

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	60 Lacs
	O & M cost:	12 Lacs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust suppression	Water sprinkling	6.0
2	EHS	Site sanitation, disinfection & Health check up	10.0
3	Environmental monitoring	Ambient Air, Noise monitoring, Soil quality	17.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	OWC	Solid waste management	20	5.6
2	STP	Sewage management	120	12.0
3	RWH system	Water conservation	10	0.02
4	Solar panels	Energy conservation	60	12
5	Landscaping	Green belt development	150	1.0

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	Rehab: 241.01 sq.m. Sale: 588.38 sq.m
	Number and area of podia:	Rehab: Nil Sale: 1st Podium (677.68 sq.m) 2nd Podium (673.50 sq.m)
	Total Parking area:	Rehab: 50.92 Sq.mt Sale: 52.83 sq.mt.
	Area per car:	13.8 sq.m
	Area per car:	13.8 sq.m
	Number of 2-Wheelers as approved by competent authority:	Nil
	Number of 4-Wheelers as approved by competent authority:	Rehab: 30 nos. Sale: 179 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	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP Mr.Rajesh Jain was present during the meeting along with environmental consultant M/s. Building Environment India Pvt. Ltd.

PP informed that, the project under consideration is building construction *project. PP further stated that, t*he total plot area of the project is 2348.40 Sq.mt having total construction area 27407.86 Sq.mt. (FSI – 14639.27 sq.mt +NON FSI- 312768.59Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Rehab building no. 1	One Basement, Ground, 23 upper floors	75.10 mt.
Sale building no. 2	One Basement, Ground floor (shops/commercial), 1st floor part (shops/commercial/part parking), 2nd floor part (offices/ shops/commercial part parking) , 3rd floor Podium for amenity and 4th to 40th Residential	upper142.85 mt. (upto LMR top) floors

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. Layout showing location of services including environmental infrastructure has

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit & upload the copy of acknowledgement for plan submitted to local planning authority for FSI 14639.27 Sq.mt
2) PP to submit dated Architect certificate addressing to committee regarding building wise construction (Configuration, FSI, NoN-FSI, TBUA) approvals from local Authority, actual construction done and proposed expansion.
3) As agreed by PP, PP to relocate the substation & to provide the requisite RG on ground. PP to submit the revised RG calculations.
4) PP to submit the revised drawing regarding both STPs showing 40% area of STP tanks open to sky for adequate ventilation.
5) PP to submit HRC NoC.
6) PP to increase the solar energy saving from 2 % to 5% by providing solar panels.

FINAL RECOMMENDATION

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