Agenda of 127th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 127 (Day-2) **Meeting Date** February 6, 2020

Subject: Environment Clearance for Proposed Expansion of "VIVA SHELTER" (Revalidation & Expansion) Proposed Residential building with shop line project at land bearing S.No.110/4, S.No.111/3,9,13,14, S.No.127/2, S.No.128/13 & S.No.352 of village Virar, Taluka: Vasai, District Thane by M/s. Swastik Builders

Is a Violation Case: No

1.Name of Project	Proposed Expansion of "VIVA SHELTER" (Revalidation & Expansion) Proposed Residential building with shop line project
2.Type of institution	Private
3.Name of Project Proponent	Mr. Kishor Naik, M/s. Swastik Builders. 2nd Floor, Gulmohar Plaza Virar (West), Thane 401303
4.Name of Consultant	Mr. H.K. Desai ,Enviro Analysts & Engineers Pvt. Ltd., B-1003, Enviro House Western Edge II, Behind Metro Mall Western Express Highway Borivali (E), Mumbai-400066
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received vide letter NO. 21-449/2006- IA.III dated 7/03/2007 Total constructed area=33516.09 sq.m.
8.Location of the project	land bearing S.No.110/4, S.No.111/3,9,13,14, S.No.127/2, S.No.128/13 & S.No.352 of village Virar, Taluka: Vasai, District Thane
9.Taluka	vasai
10.Village	virar
Correspondence Name:	Mr. Kishor Naik
Room Number:	-
Floor:	2nd floor
Building Name:	swastik Builders, Gulmohar Plaza Virar (West)
Road/Street Name:	-
Locality:	virar
City:	virar
11.Whether in Corporation / Municipal / other area	vasai virar city municipal corporation (VVCMC)
12.IOD/IOA/Concession/Plan Approval Number	yes
	IOD/IOA/Concession/Plan Approval Number: yes
	Approved Built-up Area: 33516.09
13.Note on the initiated work (If applicable)	Construction work has being initiated at present as per E.C received vide letter NO. 21-449/2006- IA.III dated 7/03/2007 ,Total constructed area=33516.09 sq.m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	nil
15.Total Plot Area (sq. m.)	32070.00 sq.m.
16.Deductions	2923.88 sq.m.(encrochment, road set back ,PG etc.)
17.Net Plot area	29146.12 sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 33594.44
	b) Non FSI area (sq. m.): 8505.01
	c) Total BUA area (sq. m.): 42099.45
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)	8217.07
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	25.62
21.Estimated cost of the project	900000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg. No. 1 -10, Bldg. No. 13	G +4	14.85
2	Bldg. No. 11	G+2	9.75
3	Bldg. No. 12	G+12	38.55
4	CFC Bldg.	G+3	13.50

23.Number of tenants and shops	tenements = 871 No.s Shops = 101 Nos. CFC= 1450.00 sq.m.
24.Number of expected residents / users	Res. = 4355 Nos., Comm=303 Nos., Others =145 Nos., Total = 4803 Nos.
25.Tenant density per hectare	301/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)	20.00 m wide DP Rd
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	min 9.00 m
29.Existing structure (s) if any	Bldg. no. 1-10,11,13 are constructed on site. Bldg. No. 12 is consttructed up to G+1
30.Details of the demolition with disposal (If applicable)	Nil

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	VVCMC/treated water from STP
	Fresh water (CMD):	401
	Recycled water - Flushing (CMD):	207
	Recycled water - Gardening (CMD):	22
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	630
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	10
	Excess treated water	208
Wet season:	**Source of water**	VVCMC/treated water from STP /RWH tank
	Fresh water (CMD):	401
	Recycled water - Flushing (CMD):	207
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	608
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	10
	Excess treated water	230
Details of Swimming pool (If any)	nil	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	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 m
	Size and no of RWH tank(s) and Quantity:	12 no. of RWH tanks having totalcapacity
	Location of the RWH tank(s):	at ground level
	Quantity of recharge pits:	nil
	Size of recharge pits :	nil
	Budgetary allocation (Capital cost) :	RS. 115 .00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 5.70 Lakhs
	Details of UGT tanks if any :	domestic tank =401 cum flushing = 229 cum fire UG= 75 cum Fire OH= 10 cum
35.Storm water drainage	**Natural water drainage pattern:**	NE to SW
	Quantity of storm water:	0.170 cum/sec
	Size of SWD:	0.45 mm X 0.30 mm
Sewage and Waste water	**Sewage generation in KLD:**	486 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	490 total capacity (3 nos.)
	Location & area of the STP:	at ground level
	Budgetary allocation (Capital cost):	Rs. 40.00 Lakhs
	Budgetary allocation (O & M cost):	Rs. 10 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	-
	Disposal of the construction waste debris:	-
Waste generation in the operation Phase:	**Dry waste:**	949 Kg/day
	Wet waste:	1340 Kg/day
	Hazardous waste:	nil
	Biomedical waste (If applicable):	nil
	STP Sludge (Dry sludge):	24 Kg
	Others if any:	Nil

Mode of Disposal of waste:	**Dry waste:**	will be hand over the local recyclers for recycling.
	Wet waste:	To be processed in the Organic Waste Converter and manure so obtained will be used for landscaping
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	To be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	at ground level
	Area for the storage of waste & other material:	84 sq.m.
	Area for machinery:	3.00 sq.m.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 23.00 lakhs
	O & M cost:	Rs. 6.00 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 :**	4371.92 sq.m.
	No of trees to be cut :	Nil
	Number of trees to be planted :	300 nos.
	List of proposed native trees :	as below
	Timeline for completion of plantation :	already exists as per previous EC recieved

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	Anthocephallus cadamba	kadamb	20	shaded
2	Alstonia scholaris	Satwin	15	shaded
3	Peltofourm	Yellow Gulmohar	15	flowering
4	Mimusops elengi	Bakul	20	flowering
5	Terminalia cattapa	Almond tree	20	fruiting
6	Cassia renigera	Cassia Sps.	20	shaded tree
7	Adina cordifolia	Kadam	25	shaded
8	Albizia lebbeca	Shirish	20	shaded
9	Tabernaemontana divaricata	Tagar	20	flowering
10	Michelia champaca	Sonchafa	25	flowering
11	Polyalthia logifolia	Asu palav	30	dust toletant
12	Callistemon sps	Australian Bottle Brush	20	flowering
13	Grevillea robusta	Silver oak	20	flowering
14	Azadirachta indica	Neem	15	medicinal
15	Barreingtonia racemosa	Samundraphal	20	flowering
16	Caryota urens	Fish Tail Palm	20	ornamental
17	Roystonea regia	Royal Palm	25	ornamental
18	Bauhinia purpuria	Purple Orchid Tree	25	Drought tolerant species.
19	Millingtonia hortensis	Indian Cork Tree	25	shaded
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	100 KVA
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	EXISTING = 4245 KW, PROPOSED = 789 KW
	During Operation phase (Demand load):	EXISTING = 2793 KW, PROPOSED = 483KW
	Transformer:	-
	DG set as Power back-up during operation phase:	EXISTING = 5 X20 KVA, PROPOSED=1X125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1.Road/Landscape - 60% Solar Lighting
2.Parking - T5 lights
3.Lobby & staircase LED lights - 60% Solar
4.Lift-Regenerative Types
5.Solar Hot Water system

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	as above	16%

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. 19.4 Lakhs
	O & M cost:	Rs. 2.2 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Dust Suppression	2.0
2	Land Environment	Site Sanitation	1.5
3	Environmental Monitoring	Analysis of water, air ,soil etc	15.0
4	EHS	Disinfection	1.0
5	EHS	Health check up	2.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	water environment	Rain Water Harvesting	115	5.70
2	solid waste	SWM	23.00	6.00
3	water environment	STP	40.00	10.00
4	Energy Saving	Energy Conservation	19.4	2.2
5	land environment	landscaping	3.00	1.00

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 no.s fo entry exit from 20.00 m wdie DP rd
Parking details:	**Number and area of basement:**	nil
	Number and area of podia:	nil
	Total Parking area:	4860 sq.m.
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	456
	Number of 4-Wheelers as approved by competent authority:	163
	Public Transport:	NA
	Width of all Internal roads (m):	9 m wide internal road,6.00 m internal road
	CRZ/ RRZ clearance obtain, if any:	na

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	tugareshwar national park = 7.00 km
	Category as per schedule of EIA Notification sheet	category B, shedule 8(a)
	Court cases pending if any	no
	Other Relevant Informations	the project was presented in 50th SEAC-II meeting as an Item no. 19 dtd .07-09-2016. the project was deffered. compliance for the same has been submitted.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-07-2016

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is expansion housing *project. PP further stated that, t*he total plot area of the project is 32070.00 Sq.mt having total construction area 42099.45 Sq.mt (FSI - 33594.44 Sq.mt + NON FSI- 8505.01 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Bldg. No. 1 -10, Bldg. No. 13	G +4	14.85
Bldg. No. 11	G+2	9.75
Bldg. No. 12	G+12	38.55
CFC Bldg.	G+3	13.50

It is noted that, Project has received Environmental clearance vide letter dated 7/03/2007.

It is noted that the project earlier considered in SEAC-2 61st (Part B) (Day-1) Meeting held on 01-06-2018. & decided to refer the matter to SEIAA for alleged violation. It is further noticed that the case was considered by SEIAA in its 142 Meeting held on 10-10-2018 & in 177th SEIAA Meeting held on 13-10-2019 & decided to refer back the proposal to SEAC-2 for appraisal as per Notification dated 14.03.2017 & 08.03.2018. According SEAC-2 Considered the matter, PP agreed that it is a violation of EIA Notification.

Department of Environment has constituted a Committee for formulating Guidelines to Consideration of proposal involving violation of EIA notification, 2006 amended till date in order to asses for the Environmental Damage and for Estimation of Remediation Costs for Building Construction Projects on similar Parameters to avoid any discrepancies. SEAC-2 has been discussed the said guidelines & accordingly additional ToR of remediation plan and natural & community resource augmentation plan has been finalised in 87th SEAC-2 meeting held on 7/02/2019 committee instructed PP to carry out EIA as per ToR approved & also follow the format which was uploaded & available on website in public domain under 'Public Document of ec website (ec.mpcb.in)

After detailed deliberations on the proposal committee confirmed the case to be of violation of the EIA Notification, 2006 and as per Notification No 1030(E)/1031(E) dated 8th March, 2018 issued by the Ministry of Environment, Forest & Climate Change, decided to issuing following Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP).

DECISION OF SEAC

As per Notification No 1030(E)/1031(E) dated 8th March, 2018 issued by the Ministry of Environment, Forest & Climate Change, decided to issue Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP).

Specific Conditions by SEAC:

1) PP to submit Project description, its importance and the benefits,
2) PP to submit Project site details (location, top sheet of the study area, coordinates, google map, layout map, land use, geological features and geo-hydrological status of the study area, drainage).
3) PP to submit Land use as per the approved Master Plan of the area, Permission/approvals required from the land owning agencies, Development Authorities, Local Body, Water Supply & Sewerage Board, etc.
4) PP to submit Baseline environmental study for ambient air (PM10, PM2.5, SO2, NOx & CO), water (both surface and ground), noise and soil as per MoEF&CC/CPCB guidelines at minimum 5 to 10 locations in the study area.
5) PP to submit Details on flora and fauna and socio-economic aspects in the study area.
6) PP to submit Likely impact of the project on the environmental parameters (ambient air, surface and ground water, land, flora and fauna and socio-economic, etc),
7) PP to submit Waste water management (treatment, reuse and disposal) for the project and also the study area.
8) PP to submit Management of solid waste and the construction & demolition waste for the project vis-à-vis the Solid Waste Management Rules, and the Construction & Demolition Rules
9) PP to submit DP remarks.
10) PP to submit real time traffic analysis report.
11) PP to submit chronologically building wise plan approval along with plinth completion CC date, OC date.
12) PP to submit architect certificate regarding construction done on site along with FSI, Non FSI area, date of CC, date of OC.
13) PP to submit detail area statement along with RG area.
14) PP to submit the nall remarks.
15) PP to ensure that no nalla should be diverted or covered.
16) PP to submit the six monthly compliance report submitted to the RO, MoEF.

FINAL RECOMMENDATION

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

Agenda of 127th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 127 (Day-2) **Meeting Date** February 6, 2020

Subject: Environment Clearance for Plot bearing Old S.No :247 New S.No:247 New S No:39,H.no :1,2,3,4 ,A, Old SS no:244, New S No:35, Old s.no :245, new s no :36,H.no:5 ,6, Old S no:241, New S.No: 34, H.No:2 at village Navghar, Taluka & dist. Thane.

Is a Violation Case: Yes

1.Name of Project	Eden Park
2.Type of institution	TOR
3.Name of Project Proponent	Mr. Navin Patil
4.Name of Consultant	Enviro Analysts 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	NA
8.Location of the project	Plot bearing Old S.No :247 New S.No:247 New S No:39,H.no :1,2,3,4 ,A, Old SS no:244, New S No:35, Old s.no :245, new s no :36,H.no:5 ,6, Old S no:241, New S.No: 34, H.No:2 at village Navghar, Taluka & dist. Thane.
9.Taluka	Thane
10.Village	Navghar
Correspondence Name:	Mr. Navin Patil
Room Number:	Shop No 6
Floor:	Ground Floor
Building Name:	Rachana Apts.
Road/Street Name:	Laxmi Narayan Temple Road
Locality:	Eksar (Borivali) , West
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Mira Bhayander Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	MBMC/NR/1906 2018-19
	IOD/IOA/Concession/Plan Approval Number: MBMC/NR/1906 2018-19
	Approved Built-up Area: 32838.55
13.Note on the initiated work (If applicable)	Work has been completed for Total Construction area of 32838.55 Sq.mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MBMC/NR/1906 2018-19
15.Total Plot Area (sq. m.)	30460.00
16.Deductions	16520.65
17.Net Plot area	13939.35
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 24399.96
	b) Non FSI area (sq. m.): 8438.59
	c) Total BUA area (sq. m.): 32838.55
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 24399.96
	Approved Non FSI area (sq. m.): 8438.59
	Date of Approval: 17-07-2018
19.Total ground coverage (m2)	3182.00
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22.83
21.Estimated cost of the project	330000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg - 1 (Wing- A,B,C)	St + 7 Upper Floors	22.80
2	Bldg - 2 (Wing- A,B,C)	G/ST(pt) + 12 Upper Floors	40.50
3	Bldg - 3	G/St (pt) + 7 Upper Floors	23.90
4	Bldg - 4	G/St (pt) + 7 Upper Floors	23.90
5	Bldg - 5	G/St (pt) + 7 Upper Floors	23.90
6	Bldg - 6	G/St (pt) + 13 Upper Floors	41.60

23.Number of tenants and shops	Flats : 505 Nos Core House: 5 Nos Shops:74 Nos
24.Number of expected residents / users	2502 No's
25.Tenant density per hectare	315 tenements / hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	15 mt wide D.P Road at South- West , 12 mt wide D.P Road at South – East ,30 m wide DP Road at North east.
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	Work has been initiated as per Commencement certificate issued from competent Authority. Total Constructed area is 32838.55 Sq.mt
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**	MCGM & STP
	Fresh water (CMD):	210
	Recycled water - Flushing (CMD):	108
	Recycled water - Gardening (CMD):	17
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	334
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	10
	Excess treated water	145
Wet season:	**Source of water**	MCGM , STP & RWH
	Fresh water (CMD):	210
	Recycled water - Flushing (CMD):	108
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	318
	Fire fighting - Underground water tank(CMD):	150
	Fire fighting - Overhead water tank(CMD):	10
	Excess treated water	162
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:**	2-3 m below ground level
	Size and no of RWH tank(s) and Quantity:	6 Nos of RWH Tanks with a total capacity of 289 KLD
	Location of the RWH tank(s):	Ground Level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	30 Lakhs
	Budgetary allocation (O & M cost) :	1.5 Lakhs
	Details of UGT tanks if any :	Location(s) of the UG tank(s) : Ground level Domestic water tank capacity: 222 KLD Flushing water tank capacity:110 KLD RWH Tanks : 289 KLD FIRE Tanks:150 KLD
35.Storm water drainage	**Natural water drainage pattern:**	S to N
	Quantity of storm water:	0.157 m3 /sec
	Size of SWD:	450 mm X 300 mm
Sewage and Waste water	**Sewage generation in KLD:**	300 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 No of 315 KLD
	Location & area of the STP:	Location : Ground Level , Area : 190 Sq.m
	Budgetary allocation (Capital cost):	Rs. 40 lakhs
	Budgetary allocation (O & M cost):	Rs. 7 lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated material, Cement Bags , Paint container (@20L), Scrap metal generated,Broken Tiles.
	Disposal of the construction waste debris:	Excavated material used on site for back filling and for internal roads. Cement Bags Empty bags handed over to recycler. Paint container (@20L) handed over to recycler. Scrap metal generated sold for recycling, Broken Tiles Waste tiles used for skirting. Broken pieces used for china mosaic waterproofing of terraces.
Waste generation in the operation Phase:	**Dry waste:**	469 Kg / day
	Wet waste:	715 Kg / day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	7 Kg
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be hand over for recycling.
	Wet waste:	Will be processed in the OWC for manure for landscaping / gardening
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as a manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	62 sq.m
	Area for machinery:	5 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	8 Lakhs
	O & M cost:	2 Lakhs

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	3485.00 Sq.m
	No of trees to be cut :	--
	Number of trees to be planted :	190 Nos.
	List of proposed native trees :	As listed below
	Timeline for completion of plantation :	At the end of construction phase

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Millingtonia hortensis	Cork Tree	30	Ornamental
2	Cassia fistula	Indian Laburnum	30	Medicinal
3	Azadirachta indica	Neem Tree	30	Medicinal
4	Michelia champaca	PiwalaChampa / Sonchapha	30	Ornamental & Medicinal
5	Alistonia scholaris	Devils tree/ Satvin	30	Medicinal
6	Pongamia pinnata	Karanj	30	Ornamental
7	Polyalthia longifolia	Mast Tree	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	--	--	--

47.Energy

Power requirement:	**Source of power supply :**	Adani /TATA
	During Construction Phase: (Demand Load)	150 KW
	DG set as Power back-up during construction phase	100 kVA
	During Operation phase (Connected load):	1685 Kw
	During Operation phase (Demand load):	1105 Kw
	Transformer:	1400 KVA
	DG set as Power back-up during operation phase:	1 X 250 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:

LED Lights
Solar Hot Water System
Lift with VFD and regenerative type
T5 Tube lights
Solar Lighting
Energy Efficient motors
Energy metering
Transformer monitoring
Cable Sizing to minimise losses

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Savings	22.7 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	23
	O & M cost:	2

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development	10.0

2	Noise Environment	Noise Baricades and Green Belt Developments	3.0
3	Water Environment	Modular STP , Drainage with sedimentation tanks	8.00
4	Good Health Practices	Site Sanitation & Health Care	5.00
5	Environment Monitoring	Air,water,noise soil monitoring during construction phase	1.00

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 Tanks	30	1.5
2	Solid waste management	OWC	8	2
3	Waste water management	STP	40	7
4	Energy Conservation	Solar	23	2
5	Green Belt	Landscaping	10	2

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:	15 mt wide and 30 m wide DP roads are abutting project site.

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	3263.00 sq.m
	Area per car:	60.42 sq.m
	Area per car:	60.42 sq.m
	Number of 2-Wheelers as approved by competent authority:	--
	Number of 4-Wheelers as approved by competent authority:	54 Nos
	Public Transport:	NA
	Width of all Internal roads (m):	Minimum width of 6.00 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	--
	Category as per schedule of EIA Notification sheet	8(a) - B2
	Court cases pending if any	Yes
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was absent; 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 127th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 127 (Day-2) **Meeting Date** February 6, 2020

Subject: Environment Clearance for Redevelopment project on plot bearing C S No. 311 of Malabar Cumbala Hill division, situated at Walkeshwar Road, Mumbai – 400006.

Is a Violation Case: No

1.Name of Project	Redevelopment Project
2.Type of institution	Private
3.Name of Project Proponent	Sitaldas Estate Pvt. Ltd.
4.Name of Consultant	Mahabal Enviro Engg. Pvt. Ltd.; Dr. D. A. Patil
5.Type of project	Redevelopment project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing C S No. 311 of Malabar Cumbala Hill division, situated at Walkeshwar Road, Mumbai – 400006.
9.Taluka	Mumbai
10.Village	Malabar Cumbala Hill division
Correspondence Name:	Atul Jangam; Sitaldas Estate Pvt. Ltd.
Room Number:	-
Floor:	-
Building Name:	Lodha Excelus
Road/Street Name:	N. M. Joshi Marg
Locality:	Mahalaxmi
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Received MC's concession dated 10.05.2019 & Applied for IOD BMC FILE NO - CHE / CTY/5920/D/337(NEW)
	IOD/IOA/Concession/Plan Approval Number: CHE / CTY/5920/D/337(NEW)
	Approved Built-up Area: 30427.18
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Mhada NOC /F-2620/7200/MBRRB-18 dated 14.08.2018
15.Total Plot Area (sq. m.)	4390.96 m2
16.Deductions	-
17.Net Plot area	4390.96 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 17638.53
	b) Non FSI area (sq. m.): 12788.65
	c) Total BUA area (sq. m.): 30427.18
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 17638.53
	Approved Non FSI area (sq. m.): 12788.65
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	1786.54
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40.68%
21.Estimated cost of the project	469500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Towe 1 (Wing A)	Gr + 1st to 29th Floors	120
2	Parking Building & Services (Wing B)	1NO.PT.GR/PT.BASE+2NOS.PT.POD/PT.BASE+1NO.PT.POD/PT.UP GR LEVEL+5 NOS UP.POD PARKING LEVEL	29.15

23.Number of tenants and shops	Flats: 108 Nos.
24.Number of expected residents / users	540
25.Tenant density per hectare	251/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)	27.45 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6m - 9m
29.Existing structure (s) if any	Yes. There are existing structures on site.
30.Details of the demolition with disposal (If applicable)	Demolition quantity 7091 m3 and demolition waste will be disposed per MCGM approval

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):	49
	Recycled water - Flushing (CMD):	24
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	75
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	80
	Excess treated water	38
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	49
	Recycled water - Flushing (CMD):	24
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	2
	Total Water Requirement (CMD) :	75
	Fire fighting - Underground water tank(CMD):	300
	Fire fighting - Overhead water tank(CMD):	80
	Excess treated water	43
Details of Swimming pool (If any)	Swimming pool is provided	

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:**	12-19m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	3 Nos
	Size of recharge pits :	3 m X 3 m X 4 m Deep
	Budgetary allocation (Capital cost) :	4 lakhs
	Budgetary allocation (O & M cost) :	0.2 Lakhs/Years
	Details of UGT tanks if any :	UG Tanks are provided
35.Storm water drainage	**Natural water drainage pattern:**	Towards road side (South-South west)
	Quantity of storm water:	313.40 m3/hr
	Size of SWD:	450 X 350 mm Wide
Sewage and Waste water	**Sewage generation in KLD:**	68 cum/day
	STP technology:	MBBR
	Capacity of STP (CMD):	80 cum/day
	Location & area of the STP:	Ground Floor
	Budgetary allocation (Capital cost):	19 Lakhs
	Budgetary allocation (O & M cost):	5 Lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	884 m3
	Disposal of the construction waste debris:	The construction debris waste will be disposed as per construction debris and demolition waste management Rules 2016
Waste generation in the operation Phase:	**Dry waste:**	Non Bio-Degradable 108 kg/d
	Wet waste:	Bio-Degradable 162 kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	1 KLD
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	Household E-Waste generation
Area requirement:	**Location(s):**	On ground floor
	Area for the storage of waste & other material:	35 sqm
	Area for machinery:	10 sqm
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	8 Lakhs
	O & M cost:	3 Lakhs/Yr.

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	947.41 m2
	No of trees to be cut :	Total Number of trees on site:-34, No of tress to be cut:-10, Number of trees retained:-6, Number of trees to be transplanted:-18 Nos.
	Number of trees to be planted :	80 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	2-3 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	7	Shady tree, yellowish green fragrant flowers
2	Azadiracta indica	Neem	6	Large tree, good for roadside plantation
3	Alstonia scholaris	Satwin	11	Shady Tree, white fragrant flowers
4	Pongamia pinnata	Karanj	13	Shady tree.
5	Saraca asoka	Sita Ashok	9	Shady tree with red-yellow flowers
6	Bombax ceiba	Katesavar	8	Large tree, red flowers
7	Cassia fistula	Bahava	12	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
8	Nyctanthes arbor-tristis	Parijatak	14	Small deciduous fast growing tree, beautiful flowrers
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	BEST
	During Construction Phase: (Demand Load)	200 kVA
	DG set as Power back-up during construction phase	200 kVA
	During Operation phase (Connected load):	4408 kW
	During Operation phase (Demand load):	1583 kW
	Transformer:	2 X 1250 kVA
	DG set as Power back-up during operation phase:	1000 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

LED lighting in common area, lifts lobbies, staircase.
Solar water heating for top 5 floors.
High efficiency (IE3) motors.
APFC panel for club house load

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy Saving	20.99%

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.15 Lakhs
	O & M cost:	Rs. 0.8 Lakh/Yr.

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	7
2	Site sanitation and Facility and its maintenance	-	4
3	Potable Water Supply to Labor	-	4

4	Solid Waste Management	-	1.5
5	Disinfection	-	3
6	Safety Personal Protective Equipment	-	8
7	Traffic Management	-	3
8	Safety nets	-	15
9	Safety Training to Workers	-	5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuos O & M	19	5
2	Solar System	Weekly	15	0.8
3	Rainwater harvesting	During Rainy Season	4	0.2
4	Solid Waste Composting plant	Continuos O & M	8	3
5	Landscape	Daily	9	1
6	Environmental Monitoring	As per CPCB Norms	-	4

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	Total Basement area: 661.48 m2
	Number and area of podia:	Total Podium area: 3392.9 m2
	Total Parking area:	4054.38 m2
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	193 Nos
	Public Transport:	-
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Applied
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	No
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Jangam was present during the meeting along with environmental consultant. M/s Mahabal Enviro Engg. Pvt. Ltd.

PP informed that, the project under consideration is new redevelopment project. PP further stated that, the total plot area of the project is 4390.96 Sq.mt having total construction area 30427.18 Sq.mt (FSI - 17638.53 Sq.mt + NON FSI-12788.65 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Towe 1 (Wing A)	Gr + 1st to 29th Floors	120
Parking Building & Services (Wing B)	1NO.PT.GR/PT.BASE+2NOS.PT.POD/PT.BASE+1NO.PT.POD/PT.UPGR LEVEL+5 NOS UP.POD PARKING LEVEL	29.15

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) Committee noted that, PP have circulated the revised CS with respect to building height, PP to revised the same online also.
2) PP to submit the CRZ NoC.
3) PP to ensure that, pavers provided on south east side should be restricted to 6mt width.
4) PP to ensure ECBC norms are complied with
5) PP to provide 25% electric charging points/ stations in parking area.
6) As agreed by PP, demolition waste, and concrete debris can be recycled for making paver blocks and use these to the extent possible in the other project of PP, if any.
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 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 127th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 127 (Day-2) **Meeting Date** February 6, 2020

Subject: Environment Clearance for Amendment in Environmental Clearance of Redevelopment of Vimukta Shantiniketan Nagar C.H.S on Plot bearing C.T.S No. 115, 115/1 to 12 of village Chembur, Kurla (E), Mumbai by Vimukta Shantiniketan Nagar C.H.S.

Is a Violation Case: No

1.Name of Project	Vimukta Shantiniketan Nagar C.H.S.
2.Type of institution	Private
3.Name of Project Proponent	Vimukta Shantiniketan Nagar C.H.S.; Mr. Yogesh Gala
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd.; Dr. D. A. Patil,
5.Type of project	Redevelopment project (Residential cum Commercial)
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in EC
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Obtained EC letter vide no. SEAC-2014/CR.62/TC-1 dt. 18.04.2016
8.Location of the project	Plot bearing C.T.S No. 115, 115/1 to 12 of village Chembur, Kurla (E), Mumbai.
9.Taluka	Kurla
10.Village	Chembur
Correspondence Name:	Vimukta Shantiniketan Nagar C.H.S.
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	-
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Approved IOD Plan received on 14.01.2015; Approved amended IOD plan dt. 25.06.2017; Approved amended IOD plan CE/2889/BPES/AL dt. 20.06.2018
	IOD/IOA/Concession/Plan Approval Number: Approved IOD Plan received on 14.01.2015; Approved amended IOD plan dt. 25.06.2017; Approved amended IOD plan CE/2889/BPES/AL dt. 20.06.2018
	Approved Built-up Area: 23223
13.Note on the initiated work (If applicable)	The construction is carried out as per EC received. Total area constructed on the site till date is 19,903.38 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approved IOD Plan received on 14.01.2015; Approved amended IOD plan dt. 25.06.2017; Approved amended IOD plan CE/2889/BPES/AL dt. 20.06.2018
15.Total Plot Area (sq. m.)	6,802.50 m2
16.Deductions	387.15 m2
17.Net Plot area	6,415.35 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 21,645.61 m2
	b) Non FSI area (sq. m.): 12,330.69 m2
	c) Total BUA area (sq. m.): 33976.30
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 15,588.97 m2
	Approved Non FSI area (sq. m.): 7,634.35 m2
	Date of Approval: 20-06-2018
19.Total ground coverage (m2)	3,619.46 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	63%
21.Estimated cost of the project	2150000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A, B, C	2B+ G (pt) + 18 Floors	57.15
2	Wing D	G (pt) + 18 Floors	57.15
3	Wing E	2B+ G (pt) + 18 Floors	57.10
4	Wing F	2B+ G (pt) + 3 Floors	16.35
5	Clubhouse	G+1	7.50

23.Number of tenants and shops	No of tenants: 378 Nos. Shops: 41 Nos.
24.Number of expected residents / users	1,972 Nos.
25.Tenant density per hectare	641/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)	45.75 m wide road from East side and 18.30 m wide road from South side
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	-
30.Details of the demolition with disposal (If applicable)	-

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	172 KLD
	Recycled water - Flushing (CMD):	87 KLD
	Recycled water - Gardening (CMD):	7 KLD
	Swimming pool make up (Cum):	4 KLD
	Total Water Requirement (CMD) :	263 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	145 KLD
Wet season:	**Source of water**	MCGM+RWH
	Fresh water (CMD):	104+68 KLD
	Recycled water - Flushing (CMD):	87 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	263 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	152 KLD
Details of Swimming pool (If any)	Provided as per norms	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3-4 m
	Size and no of RWH tank(s) and Quantity:	RWH tanks with 135 m3 capacity
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	Rs. 31 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 2 Lakhs/Year
	Details of UGT tanks if any :	UG Tanks will be provided as per NBC norms
35.Storm water drainage	**Natural water drainage pattern:**	The slope of the area is towards West & South side
	Quantity of storm water:	730.89 m3/hr
	Size of SWD:	450 mm x 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	242 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	250 KLD
	Location & area of the STP:	Location: Ground; Area: 125 m2
	Budgetary allocation (Capital cost):	Rs 58 Lakhs
	Budgetary allocation (O & M cost):	Rs. 13 Lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 987 m3
	Disposal of the construction waste debris:	The construction debris waste will be disposed as per Construction debris and demolition waste management Rule 2016
Waste generation in the operation Phase:	**Dry waste:**	385 kg/day
	Wet waste:	577 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	2 kg/day
	Others if any:	Household E-Waste will be disposed to authorized vendors.

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be disposed off to recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	Sludge will be used as manure for gardening
	Others if any:	Household E-Waste will be disposed to authorized vendors
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	25 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 24 Lakhs
	O & M cost:	Rs. 10 Lakhs/year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	RG area required : 1,350.60 m2; RG area Provided : 1,423.46 m2
	No of trees to be cut :	-
	Number of trees to be planted :	85 Nos.
	List of proposed native trees :	Given below
	Timeline for completion of plantation :	Will be planted after completion of construction work

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Delonix regia	Gulmohor	8	Flowering plant, Shady tree, ornamental tree
2	Terminalia tomentosa	Ain	6	Deciduous tree, shady tree
3	Terminalia Paniculata	Kinjal	6	Extensively used in Pharmaceutical timber, leather and silk industries
4	Cocus nucifera	Coconut	10	Used in disease curing agent, especially lethal yellowing disease.
5	Terminalia arjuna	Arjun	6	Tall tree, forms wide canopy, used for medicinal purpose.
6	Syzygium cumini	Jambhul	5	Evergreen tropical tree seeds of fruit used for medicinal purpose.
7	Pongamia pinnata	Karanj	5	Shady tree
8	Saraca Indica	Sita Asoka	10	Beautiful red flowers and dense foliage tree, uses in medicinal purpose
9	Areca catechu	Supari	12	Commercially important seed crop, used as interior landscaping
10	Albizia lebbeck	Shirish	6	Shady tree, yellowish green fragrant flowers
11	Terminalia catappa	Indian Badam	6	Shady Tree, good for roadside plantation
12	Cassia fistula	Bahava	5	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Tata
	During Construction Phase: (Demand Load)	200 kVA
	DG set as Power back-up during construction phase	200 kVA
	During Operation phase (Connected load):	2.7 MW
	During Operation phase (Demand load):	1.5 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	800 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	Nil

48.Energy saving by non-conventional method:

- Use of Energy Efficient Pumps & Motors for firefighting, UG Tanks and STP
- Energy efficient lighting fixtures (LED lights) to buildings
- Use of energy efficient lifts
- Efficient wall systems like solid blocks with fly ash content
- Natural shading through elevation features of chajjas to minimize heat gain and reduce air-conditioning requirement

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total Energy Savings	>20%

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.28 Lakhs
	O & M cost:	Rs. 1 Lakhs/year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	3
2	Site sanitation and Potable Water Supply to Labour	-	6

3	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time	4
4	Health check-up & first aid	-	2
5	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	6
6	Traffic Management	Sign Boards, Persons, at entry exit and Parking area	2
7	Safety Nets	-	3
8	Solid waste management and site maintenance Activity	-	1.5
9	Tyre Cleaning and vehicle maintenance	-	1
10	Safety Training to Workers (Twice in Year), Safety Officer	-	3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M	58	13
2	Solar System	Weekly	28	1
3	Rainwater harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	31	2
4	Solid Waste Composting plant	Continuous O & M	24	10
5	Landscape	Daily	14	1
6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	-	4

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	45.75 m wide road from eat side and 18.30 m wide road from south side
Parking details:	**Number and area of basement:**	2 Basement with total area of 6,129.24 m2
	Number and area of podia:	-
	Total Parking area:	1,818.2 m2
	Area per car:	25.50 m2
	Area per car:	25.50 m2
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	360 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 m and 9 m Wide
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: 9 km
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Consultant of the project submitted the letter dated 4/2/2020 regarding withdrawal of the project. Committee accepted the same.

DECISION OF SEAC

Environment Consultant of the project submitted the letter dated 4/2/2020 regarding withdrawal of the project. Committee accepted the same.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

Agenda of 127th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 127 (Day-2) **Meeting Date** February 6, 2020

Subject: Environment Clearance for Residential cum commercial project

Is a Violation Case: No

1.Name of Project	Leena Construction Company
2.Type of institution	Private
3.Name of Project Proponent	Mr Gaurav Porwal
4.Name of Consultant	EIA coordinator : Sourabh jaiswar, M/s SGM Corporate Consultant Pvt Ltd
5.Type of project	Residential cum commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	574/8A,575/1 (OLD), 276/8A,268/1 (New), Village – Bhaynder, Dist: Thane
9.Taluka	Mira Bhanynder
10.Village	Bhanynder
Correspondence Name:	Mr Gaurav Porwal
Room Number:	Ground
Floor:	Ground
Building Name:	Bhairav Shrushti
Road/Street Name:	150 feet road
Locality:	opp Maxus Mall
City:	Mira Bhayander
11.Whether in Corporation / Municipal / other area	MBMC
12.IOD/IOA/Concession/Plan Approval Number	building permission
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 12358.22
13.Note on the initiated work (If applicable)	work of proposed buildings are not started.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	6681.38
16.Deductions	1143.85
17.Net Plot area	5537.53
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 12358.22
	b) Non FSI area (sq. m.): 14327.67
	c) Total BUA area (sq. m.): 26685.89
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 12358.22
	Approved Non FSI area (sq. m.): 14327.67
	Date of Approval: 05-03-2019
19.Total ground coverage (m2)	1399
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	29.97
21.Estimated cost of the project	650000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Residential building	B + S+ P+19	70.00
2	Commercial Building	B + G + 4	26.40

23.Number of tenants and shops	Residential Building : 111 No Flats commercial building : shops, Offices
24.Number of expected residents / users	Permanment Population : 555 No's
25.Tenant density per hectare	140
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	12.00 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m
29.Existing structure (s) if any	04 Existing buildings
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**	MBMC
	Fresh water (CMD):	56
	Recycled water - Flushing (CMD):	31
	Recycled water - Gardening (CMD):	05
	Swimming pool make up (Cum):	05
	Total Water Requirement (CMD) :	97
	Fire fighting - Underground water tank(CMD):	80
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	26
Wet season:	**Source of water**	MBMC
	Fresh water (CMD):	56
	Recycled water - Flushing (CMD):	31
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	05
	Total Water Requirement (CMD) :	92
	Fire fighting - Underground water tank(CMD):	80
	Fire fighting - Overhead water tank(CMD):	20
	Excess treated water	31
Details of Swimming pool (If any)	1 Swimming Pool	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2.0 to 4.0 m
	Size and no of RWH tank(s) and Quantity:	60
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	00
	Size of recharge pits :	00
	Budgetary allocation (Capital cost) :	10.00
	Budgetary allocation (O & M cost) :	0.50
	Details of UGT tanks if any :	Domestic : 60 cum Flushing : 30 cum Fire fighting : 80 cum
35.Storm water drainage	**Natural water drainage pattern:**	Municipal drain
	Quantity of storm water:	0.10 cum/sec
	Size of SWD:	300 x 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	76
	STP technology:	MBBR
	Capacity of STP (CMD):	01 X 85 CUM
	Location & area of the STP:	Below ground
	Budgetary allocation (Capital cost):	35.0
	Budgetary allocation (O & M cost):	5.20
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	broken tiles, scrap, cement bags, paint containers etc
	Disposal of the construction waste debris:	Debris will be used for back filling and counter weight of raft, road work etc. Brickbats will be used for waterproofing. Reinforcement will be sent for reuse Nominal surplus construction debris shall be disposed of by covered trucks to the authorized sites with the permission of local body
Waste generation in the operation Phase:	**Dry waste:**	152 kg/day
	Wet waste:	192 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10 KG
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorised vendor of MBMC
	Wet waste:	Convert in to compost
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	25 sq.m
	Area for machinery:	8 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	10.0 L
	O & M cost:	3.20 l

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 :**	823.73 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	95
	List of proposed native trees :	enclosed
	Timeline for completion of plantation :	Dec 2021

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	Sarca indica	Sita Ashok	20	Large size , shady, yellow flowering tree.
2	Cassia fistula	Indian Labrenum	15	Medium size deciduous tree, Draught tolerant, Beautiful yellow flower, butterfly host plant.
3	Michelia champaca	Sonchafa	10	Medium size evergreen tree. Fragrant yellow flowers, butterfly host plant.
4	Azadirachta indica	Neem	10	Semi - evergreen / shady tree with medicinal value.
5	Mangifera indica	Aam	10	State tree of maharashtra , greening & popular edible fruits, medicinal & butterfly host tree.
6	Roystonesa regia	Royal palm	10	Ornamental Plant
7	Emblica Officinalis	Awala	02	Medicinal plant, edible fruits, butterfly host tree.
8	Plumeria Alba	Temple tree	08	Evergreen medium size ornamental / white flowering tree, medicinal value
9	Jacaranda Mimosifolia	Jacaranda	10	Deciduous tree, spreading type with purple flowering
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	Enclosed	Enclosed	Enclosed

47.Energy

Power requirement:	**Source of power supply :**	Tata/ Adani Power
	During Construction Phase: (Demand Load)	100
	DG set as Power back-up during construction phase	50 KVA
	During Operation phase (Connected load):	2128 KW
	During Operation phase (Demand load):	1664 KVA
	Transformer:	2000 KVA
	DG set as Power back-up during operation phase:	250 & 125 Kva
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Solar lighting on PV Panels
2. T5 & LED lights for staircase and Lobby area
3. Pole Lights put on Solar Panels
4. Hot water Solar Panels

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1. Solar lighting on PV Panels 2. T5 & LED lights for staircase and Lobby area 3. Pole Lights put on Solar Panels 4. Hot water Solar Panels	18.80 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	40 Lakhs
	O & M cost:	4.4 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	Water for Dust Suppression	To control air pollution	1.20
2	Site Sanitation, Disinfection & Safety	To maintain hygienic condition	4.40
3	EnvironmentalMonitoring	Air, water, noise and soil analysis	1.50

4	Health Check Up	To check fitness of workers	2.20

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 sewage	35.0	5.20
2	Rain Water Harvesting	To harvest rain water	10.0	0.50
3	Solid Waste Managment	Segregation & To treat biodegradable solid waste	10.0	3.20
4	Energy saving measures	For use of solarlighting and Energy Efficient Equipment's	40.0	4.40
5	Green Belt Development	Plantation	12.50	2.50

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:	02

Parking details:	**Number and area of basement:**	01 & 3450.00 sq.m
	Number and area of podia:	01 & 2291.48 sq.m
	Total Parking area:	6300.80 sq.m
	Area per car:	12.50 sq.m
	Area per car:	12.50 sq.m
	Number of 2-Wheelers as approved by competent authority:	60
	Number of 4-Wheelers as approved by competent authority:	185
	Public Transport:	Bus, Auto rickshaw
	Width of all Internal roads (m):	6.0
	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	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr Porwal was present during the meeting along with environmental consultant M/s. SGM Corporate Consultant Pvt Ltd.

PP informed that, the project under consideration is new residential cum commercial project. PP further stated that, the total plot area of the project is 6681.38 Sq.mt having total construction area 26685.89 Sq.mt (FSI - 12358.22 Sq.mt + NON FSI- 14327.67 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Residential building	B + S+ P+19	70.00
Commercial Building	B + G + 4	26.40

It is noted that the project earlier considered in SEAC-2 113th (Day-2) Meeting held on 24-09-2019 & decided to refer the matter to SEIAA for violation. It is further noticed that the case was considered by SEIAA in its 182nd Meeting held on 06-12-2019 & in 183rd SEIAA Meeting held on 12-12-2019 & decided to refer back the proposal to SEAC-2 for fresh appraisal as the plan is approved as a single layout indicating three separate area Performa for layout 1,2 and 3. All the three layouts are owned by different owners (as approved by MBMC). The layouts have been approved as a single layout due to utilisation of D.P. road TDR/FSI. Further, it is observed that the building no 3 is constructed by different builder as per building permission dated 09.05.2006 i.e. prior to EIA Notification, 2006. However, building no 2 and 4 constructed by Leena Builders and total constructed built up area of building no 2 and 4 is about 19524.79 m2 i.e. less than 20000m2 as per architect letter. Considering the above facts, SEIAA observed that this case is not come under violation and each layout should be considered as individual application for granting prior EC of new proposed building. Accordingly, SEAC-2 Considered the matter.

Thus the proposal having been referred back by SEIAA to this Committee for fresh appraisal after overruling the earlier decision of this Committee about violation in the case, the project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements,

DECISION OF SEAC

record.

In view of above discussion, the proposal is recommended to SEIAA for Environmental Clearance subject to compliance of below points

Specific Conditions by SEAC:

1) PP to submit the copy of MoU regarding exchange of land in between 3 owners i.e salasar Pvt, Leena construction & Dilip Porwal mentioned in common approval dated 5/3/2019.
2) PP to submit the architect certificate for construction done on site.
3) Committee noted that fire tender movement plan is not tally with layout plan approved in 5/3/2019. PP to submit the correct fire tender movement plan
4) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.
5) Committee noted that RG on podium neither mentioned in PPT nor calculated in RG calculation. PP to submit the revised RG calculations.

FINAL RECOMMENDATION

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

Agenda of 127th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 127 (Day-2) **Meeting Date** February 6, 2020

Subject: Environment Clearance for Residential cum Commercial project

Is a Violation Case: No

1.Name of Project	Leena Builders
2.Type of institution	Private
3.Name of Project Proponent	SHRI Dilip Porwal
4.Name of Consultant	EIA Coordinator : Sourabh Jasiwar; M/s SGM Corporate Consultant Pvt Ltd
5.Type of project	Residential cum Commercial project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	567/2,8, 573/1 to 5, 575/1,4to13 ,678/4(old) 267/2,8, 270/1 to 5,268/1,4to13,275/4(new) Village – Bhaynder, Dist: Thane
9.Taluka	Mira Bhanyander
10.Village	Bhanynder
Correspondence Name:	SHRI Dilip Porwal
Room Number:	Ground
Floor:	Ground
Building Name:	Bhairav Shrushti
Road/Street Name:	150 feet road
Locality:	opp Maxus Mall
City:	Mira Bhayander
11.Whether in Corporation / Municipal / other area	MBMC
12.IOD/IOA/Concession/Plan Approval Number	Applied
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 24105.06
13.Note on the initiated work (If applicable)	This project is part of single layout with different owners. Now, We are proposing 04 buildings on plot No A2 & A3.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	21877.55
16.Deductions	4601.56
17.Net Plot area	17275.99
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 33787.23
	b) Non FSI area (sq. m.): 19982.95
	c) Total BUA area (sq. m.): 53770.18
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 24105.06
	Approved Non FSI area (sq. m.): 15125.04
	Date of Approval: 05-03-2019
19.Total ground coverage (m2)	4259.54
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.86
21.Estimated cost of the project	850000000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Commercial Building No.1	B + G + 4 (pt)	20.40
2	Residential cum commercial No. 5	B + St+ 20	64.50
3	Commercial Building No.6	B + G + 4	21.60
4	Commercial Building No 7	G + 3	14.70

23.Number of tenants and shops	01 Residential Building : 154 No Flats, 32 no Shops & 7 offices 03 commercial building : shops, Offices
24.Number of expected residents / users	Permanment Population : 770 No's
25.Tenant density per hectare	180
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.00 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5 m
29.Existing structure (s) if any	Thre area three Existing buildings. Bldg No 03 belongs to other builder having total constructed area about 6131.36 sq.m and Bldg No 2 & 4 belong to Mr. Dilip Porwal and having FSI area (13070.60) + Non FSI area (6470.19) sq.m
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**	MBMC
	Fresh water (CMD):	90
	Recycled water - Flushing (CMD):	60
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	160
	Fire fighting - Underground water tank(CMD):	25, 100,
	Fire fighting - Overhead water tank(CMD):	10 ,20
	Excess treated water	47
Wet season:	**Source of water**	MBMC
	Fresh water (CMD):	90
	Recycled water - Flushing (CMD):	60
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	150
	Fire fighting - Underground water tank(CMD):	25,100
	Fire fighting - Overhead water tank(CMD):	10 ,20
	Excess treated water	47
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:**	2.0 to 4.0 m
	Size and no of RWH tank(s) and Quantity:	02 No of 30 cum RWH tank
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	00
	Size of recharge pits :	00
	Budgetary allocation (Capital cost) :	12.00
	Budgetary allocation (O & M cost) :	0.50
	Details of UGT tanks if any :	Domestic : 70, 20, 20 , 10 cum Flushing : 35, 10, 10, 10 cum Fire fighting : 100, 25 cum
35.Storm water drainage	**Natural water drainage pattern:**	Municipal drain
	Quantity of storm water:	0.33 cum/sec
	Size of SWD:	750 x 475 mm
Sewage and Waste water	**Sewage generation in KLD:**	130
	STP technology:	MBBR
	Capacity of STP (CMD):	135 & 15 CUM
	Location & area of the STP:	Below ground
	Budgetary allocation (Capital cost):	65.0
	Budgetary allocation (O & M cost):	7.50
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	broken tiles, scrap, cement bags, paint containers etc
	Disposal of the construction waste debris:	Debris will be used for back filling and counter weight of raft, road work etc. Brickbats will be used for waterproofing. Reinforcement will be sent for reuse Nominal surplus construction debris shall be disposed of by covered trucks to the authorized sites with the permission of local body
Waste generation in the operation Phase:	**Dry waste:**	354 kg/day
	Wet waste:	331 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	15 KG
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Handed over to authorised vendor of MBMC
	Wet waste:	Convert in to compost
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	25 sq.m
	Area for machinery:	8 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	12.0 L
	O & M cost:	4.80 L

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 :**	2520.63 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	275
	List of proposed native trees :	enclosed
	Timeline for completion of plantation :	Dec 2021

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	Sarca indica	Sita Ashok	60	Large size , shady, yellow flowering tree.
2	Cassia fistula	Indian Labrenum	30	Medium size deciduous tree, Draught tolerant, Beautiful yellow flower, butterfly host plant.
3	Michelia champaca	Sonchafa	30	Medium size evergreen tree. Fragrant yellow flowers, butterfly host plant.
4	Azadirachta indica	Neem	20	Semi - evergreen / shady tree with medicinal value.
5	Mangifera indica	Aam	20	State tree of maharashtra , greening & popular edible fruits, medicinal & butterfly host tree.
6	Roystonesa regia	Royal palm	25	Ornamental Plant
7	Emblica Officinalis	Awala	10	Medicinal plant, edible fruits, butterfly host tree.
8	Spathodia companulata	Yellow Gulmohor	10	Evergreen medium size ornamental / white flowering tree, medicinal value
9	Butea monosperma	Palas	22	Deciduous tree, spreading type with purple flowering
10	Erythrina indica	Coral tree	20	Deciduous tree, spreading type with purple flowering
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	Enclosed	Enclosed	Enclosed

47.Energy

Power requirement:	**Source of power supply :**	Tata/ Adani Power
	During Construction Phase: (Demand Load)	100
	DG set as Power back-up during construction phase	50 KVA
	During Operation phase (Connected load):	2914.20 KW
	During Operation phase (Demand load):	2090.66 KVA
	Transformer:	2 x 1250 KVA
	DG set as Power back-up during operation phase:	300 x125 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

1. Solar lighting on PV Panels
2. T5 & LED lights for staircase and Lobby area
3. Pole Lights put on Solar Panels
4. Hot water Solar Panels

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	1. Solar lighting on PV Panels 2. T5 & LED lights for staircase and Lobby area 3. Pole Lights put on Solar Panels 4. Hot water Solar Panels	20.80 %

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:**	65 Lakhs
	O & M cost:	5.4 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	Water for Dust Suppression	To control air pollution	1.60
2	Site Sanitation, Disinfection & Safety	To maintain hygienic condition	5.20
3	EnvironmentalMonitoring	Air, water, noise and soil analysis	1.50

4	Health Check Up	To check fitness of workers	2.40

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 sewage	65.0	7.50
2	Rain Water Harvesting	To harvest rain water	12.0	0.50
3	Solid Waste Managment	Segregation & To treat biodegradable solid waste	12.0	5.20
4	Energy saving measures	For use of solarlighting and Energy Efficient Equipment's	65.0	5.40
5	Green Belt Development	Plantation	16.50	3.60

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:	02

Parking details:	**Number and area of basement:**	5820.10 sq.m (1 Basement Resi + 1 Commercial + 1 Commercial)
	Number and area of podia:	00
	Total Parking area:	7080.00 sq.m
	Area per car:	12.50 sq.m
	Area per car:	12.50 sq.m
	Number of 2-Wheelers as approved by competent authority:	85
	Number of 4-Wheelers as approved by competent authority:	240
	Public Transport:	Bus, Auto rickshaw
	Width of all Internal roads (m):	6.0
	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	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. Dilip Porwal was present during the meeting along with environmental consultant. M/s. SGM Corporate Consultant Pvt Ltd.

PP informed that, the project under consideration is expansion residential cum commercial project. PP further stated that, the total plot area of the project is 21877.55 Sq.mt having total construction area 53770.18 Sq.mt (FSI - 33787.23 Sq.mt + NON FSI- 19982.95 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Commercial Building No.1	B + G + 4 (pt)	20.40
Residential cum commercial No. 5	B + St+ 20	64.50
Commercial Building No.6	B + G + 4	21.60
Commercial Building No 7	G + 3	14.70

It is noted that the project earlier considered in SEAC-2 113th (Day-2) Meeting held on 24-09-2019. & decided to refer the matter to SEIAA for violation. It is further noticed that the case was considered by SEIAA in its 182nd Meeting held on 06-12-2019 & in 183rd SEIAA Meeting held on 12-12-2019 & decided to refer back the proposal to SEAC-2 for appraisal as per The plan is approved as a single layout indicating three separate area Performa for layout 1,2 and 3. All the three layouts are owned by different owners (as approved by MBMC). The layouts have been approved as a single layout due to utilisation of D.P. road TDR/FSI. Further, it is observed that the building no 3 is constructed by different builder as per building permission dated 09.05.2006 i.e. prior to EIA Notification, 2006. However, building no 2 and 4 constructed by Leena Builders and total constructed built up area of building no 2 and 4 is about 19524.79 m2 i.e. less than 20000m2 as per architect letter. Considering the above facts, SEIAA observed that this case is not come under violation and each layout should be considered as individual application for granting prior EC of new proposed building. According SEAC-2 Considered the matter.

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

DECISION OF SEAC

record.

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

Specific Conditions by SEAC:

1) Committee noted that, the application for EC is for plot area 21877.55 Sq.mt but this plot area also includes the part of plot which belongs to Mr. Patil also. Further the present application was not applied jointly therefore EC for plot area 21877.55 Sq.mt cannot be granted to present applicant. PP to amend/ withdraw this application & apply for area of his ownership.

FINAL RECOMMENDATION

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

Agenda of 127th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 127 (Day-2) **Meeting Date** February 6, 2020

Subject: Environment Clearance for proposed Slum Rehabilitation Scheme project on plot bearing CTS No. 532(pt.), Village Pahadi Goregaon East, Taluka – Borivali, Valbhat Road, Cama Estate, Goregaon East, Mumbai - 400063

Is a Violation Case: No

1.Name of Project	proposed Slum Rehabilitation Scheme project on plot bearing CTS No. 532(pt.), Village Pahadi Goregaon East, Taluka – Borivali, Valbhat Road, Cama Estate, Goregaon East, Mumbai - 400063
2.Type of institution	Private
3.Name of Project Proponent	M/S. Samarth Erectors and Developers
4.Name of Consultant	M/S. Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Clubbed SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing CTS No. 532(pt.), Village Pahadi Goregaon East, Taluka – Borivali, Valbhat Road, Cama Estate, Goregaon East, Mumbai – 400063.
9.Taluka	Borivali
10.Village	Pahadi Goregaon East
Correspondence Name:	M/S. Samarth Erectors and Developer
Room Number:	1
Floor:	NA
Building Name:	Sanjay Nagar CHSL.
Road/Street Name:	Walbhat Road, Off. Western Express Highway
Locality:	Goregaon (East)
City:	mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	yes
	IOD/IOA/Concession/Plan Approval Number: LOI No: SRA/ENG/1288/PS/ML/LOI and LOI No: SRA/ENG/1386/PS/ML/LOI
	Approved Built-up Area: 139720.94
13.Note on the initiated work (If applicable)	Construction of project buildings is in process as per the earlier EC received. Total construction area constructed is 1,39,720.94 sq. m.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI No: SRA/ENG/1288/PS/ML/LOI – dated 15th June 2017 Shiv Shakti & Samrat Ashok Nagar LOI No: SRA/ENG/1386/PS/ML/LOI – dated 15th June 2017 Sanjay Nagar
15.Total Plot Area (sq. m.)	12494.40
16.Deductions	1278.18
17.Net Plot area	11216.22
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 74387.11
	b) Non FSI area (sq. m.): 65333.53
	c) Total BUA area (sq. m.): 139720.94
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 61613.26
	Approved Non FSI area (sq. m.): 65333.53
	Date of Approval: 15-06-2017
19.Total ground coverage (m2)	5477.88
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	43.84
21.Estimated cost of the project	4460000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Shivshakti CHS – Composite Building	Ground+ 21 Floors	65.40
2	Samrat Ashok Nagar CHS – Commercial Building	2 Basement + Ground Floor + 8 Podiums + 1st to 23 Upper Floors	115.05
3	Sanjay Nagar Rahiwasi CHS – Rehab Wing A (Residential)	Ground + 23 Upper Floors	69.90
4	Sanjay Nagar Rahiwasi CHS – Rehab Wing B (Residential	Ground + 22 Upper Floors	68.15
5	Sanjay Nagar Rahiwasi CHS – Rehab Wing C (Commercial)	Ground + 9 Upper Floors	42.60
6	Sanjay Nagar Rahiwasi CHS – Sale Wing A, B, C (Residential)	Stilt + 22 Upper Floors	68.65

23.Number of tenants and shops	1000 Flats. 426 Shops / Industrial Gala 66 Nos (Amenities)
24.Number of expected residents / users	7997 No's
25.Tenant density per hectare	800
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 m wide Existing Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	As per the requirement
29.Existing structure (s) if any	3 nos. of worship structures. Existing well on site. (To be retained)
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**	MCGM/ Recycled water /RWH
	Fresh water (CMD):	461
	Recycled water - Flushing (CMD):	261
	Recycled water - Gardening (CMD):	8
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	730
	Fire fighting - Underground water tank(CMD):	As per CFO NOC
	Fire fighting - Overhead water tank(CMD):	As per CFO NOC
	Excess treated water	178
Wet season:	**Source of water**	MCGM/ Recycled water /RWH
	Fresh water (CMD):	461
	Recycled water - Flushing (CMD):	261
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	722
	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)	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:**	-
	Size and no of RWH tank(s) and Quantity:	5 Nos of RWH Tanks/ Recharge Pits.
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	NA
	Size of recharge pits :	na
	Budgetary allocation (Capital cost) :	14 Lakhs
	Budgetary allocation (O & M cost) :	1.5 lakhs
	Details of UGT tanks if any :	Domestic tank Capacity: 480 Cum. (UG Tank) Flushing tank Capacity: 165 Cum. (UG Tank) Fire tank Capacity: 600 Cum (UG Tank)
35.Storm water drainage	**Natural water drainage pattern:**	East to West
	Quantity of storm water:	0.25 m3/sec
	Size of SWD:	300 * 600 mm dia
Sewage and Waste water	**Sewage generation in KLD:**	630
	STP technology:	MBBR
	Capacity of STP (CMD):	2 STP's are provided of total capacity of 665 KLD (425 KLD + 240 KLD)
	Location & area of the STP:	Below Ground of Total area of 328 sq.m for the 2 STPs.
	Budgetary allocation (Capital cost):	123 Lakh
	Budgetary allocation (O & M cost):	18 Lakh / Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Recyclable waste will be generated like empty cement bags and cans, scrap metal etc. Debris and construction waste shall be generated.
	Disposal of the construction waste debris:	Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers.
Waste generation in the operation Phase:	**Dry waste:**	1122 kg/day
	Wet waste:	1682 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	33 Kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers/Vans
	Wet waste:	Processed in OWC. The manure obtained shall be used for Gardening; Excess manure shall be sold to nearby end users.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dry sludge will be used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	156 sq m
	Area for machinery:	10 sq m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	21 lakhs
	O & M cost:	6 Lacs /annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	Proposed RG Area on ground: 1104.69 Sq.m. Proposed RG on Terrace Floor: 572.55 sq.m. Total RG Area - 1677.24 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	140 nos
	List of proposed native trees :	Enlisted 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	Millingtonia hortensis	Cork Tree	20	Flowering
2	Cassia fistula	Indian Laburnum	20	Medicinal
3	Azadirachta indica	Neem	20	Medicinal
4	Michelia champaca	PiwalaChampa / Sonchapha	20	Flowering
5	Alistonia scholaris	Devils tree/ Satvin	20	Flowering
6	Pongamia pinnata	Karanj	20	Ornamnental
7	Polyalthia longifolia	Mast tree	20	Ornamnental
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 :**	Adani / TATA
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	100 KVA
	During Operation phase (Connected load):	14076 kW
	During Operation phase (Demand load):	7951 kW
	Transformer:	2 X 2200 kVA + 2 X 2100 kVA + 1 X 900 kVA
	DG set as Power back-up during operation phase:	DG1: 1 X 1500kVA, DG2: 1 X 350kVA, DG3: 1 X 250kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

-

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total saving	13 %

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:**	82 Lac
	O & M cost:	3.5 lakhs/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	Water for dust Suppression	3
2	EHS	Site Sanitation	5
3	Environmental Monitoring	Environmental Monitoring	15
4	EHS	Disinfection	1.5
5	EHS	Health Check Up	1.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	STP	123	18
2	Rain Water Harvesting	RWH tanks	14	1.8
3	Energy Saving	Energy Saving measures	82	3.5
4	Solid Waste Management	OWC	21	6
5	Land Environment	Landscaping	12	1

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 nos.
Parking details:	**Number and area of basement:**	2 no. of basement is proposed. Area of Basement: 5802.00 Sq.m.
	Number and area of podia:	8 no. of Podiums is proposed. Area of podium:17162.21 Sq.m.
	Total Parking area:	25024.43 Sq.m.
	Area per car:	32.54 Sq.m.
	Area per car:	32.54 Sq.m.
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	Parking Required: 640 Nos. Parking proposed: 691 Nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6.00 m, 4.00 m, 3.00 m wide road
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	-
	Category as per schedule of EIA Notification sheet	Schedule 8(a) Category B
	Court cases pending if any	YES
	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

Representative of 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 expansion in existing clubbed SRA scheme *project. PP further stated that, t*he total plot area of the project is 12494.40 Sq.mt having total construction area 155458.97 Sq.mt (FSI - 90895.05 Sq.mt + NON FSI- 64563.92 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Shivshakti CHS – Composite Building	Ground+ 21 Floors	65.40
Samrat Ashok Nagar CHS – Commercial Building	2 Basement + Ground Floor + 8 Podiums + 1st to 29th Upper Floors	136.65
Sanjay Nagar Rahiwasi CHS – Rehab Wing A (Residential cum Commercial)	Ground + 23 Upper Floors	69.90
Sanjay Nagar Rahiwasi CHS – Rehab Wing B (Residential cum Commercial)	Ground + 22 Upper Floors	68.15
Sanjay Nagar Rahiwasi CHS – Rehab Wing C (Commercial)	Ground + 9 Upper Floors	42.60
Sanjay Nagar Rahiwasi CHS – Sale Wing A, B, C (Residential)	Stilt + 22 Upper Floors	68.65

It is noted that the project earlier considered in SEAC-2 112th (Day-2) Meeting held on 18-09-2019 & decided to refer the matter to SEIAA for alleged violation as they have constructed more number of floors in all buildings for e.g instead of approved building profile G+18, G+7 & G+9 they have already constructed G+21-23, G+9 & G+20 floors respectively. It is further noticed that the case was considered by SEIAA in its 182nd Meeting held on 06-12-2019 & decided to refer back the proposal to SEAC-2 for fresh appraisal mentioning “PP has not crossed the BUA limit approved in the earlier EC and has utilised the approved BUA during construction without exceeding the same, it is a vertical expansion. In the view of above, SEIAA is of the view of that, as PP has not exceeded the BUA approved in the existing EC, no case of violation of conditions of the earlier EC dated 26.12.2011.” Accordingly, SEAC-2 Considered the matter.

PP stated that, the Proposal submitted was for the total construction of 1,55,458.97 sqm, considering additional incentive FSI of 1.10 for Sale Area. However, proposal approved for the additional incentive FSI of 1.05 for Sale Area as per DCPR 2034. On account of this, the construction area will be reduced to 1,39,720.94 sqm (FSI Area of 74,387.41 sq m & Non FSI Area of 65,333.53 sq m).

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.

(Narendra Toke)

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit the copy of final approved plan by SRA.
2) Committee noted that, PP have circulated the revised CS,PP to revised the same online also.
3) 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. Along with date of CC, date of OC received time to time.
4) PP to submit the six monthly compliance report submitted to the Ro, MoEF & CC. Committee noted that STP is common for sale & rehab component. PP to ensure that, the STP should be maintain by Sale & PP shall operate and maintain STP for 10 years after giving possession and shall also generate corpus fund for next 5 years. PP to submit the undertaking for the same.
5) PP to submit the CFO NoC.
6) PP to explore the possibility to increase the solar energy saving to 5%.
7) PP to ensure that, North-east & South west side should be paved with green paver so that it can be used as drive way for fire tender also.

FINAL RECOMMENDATION

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

Agenda of 127th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 127 (Day-2) **Meeting Date** February 6, 2020

Subject: Environment Clearance for Expansion Project at village Poiser, Kandivali (East), Mumbai

Is a Violation Case: No

1.Name of Project	Expansion Project at village Poiser, Kandivali (East), Mumbai
2.Type of institution	Private
3.Name of Project Proponent	S. D. CORPORATION PVT. LTD. (A Shapoorji Pallonji - Dilip Thacker Group Joint Venture)
4.Name of Consultant	Ultra-Tech Environmnetal Consultancy & Laboratory
5.Type of project	Residential Development (MHADA)
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Received Environmental Clearance dt. 28.12.2011 and subsequent Amendment in EC dt. 10.11.2014 and 17.07.2017
8.Location of the project	CTS No. 837 to 840 of Poisar village, Kandivali (East). Mumbai
9.Taluka	Kandivali
10.Village	Poisar
Correspondence Name:	Mr. Rajendra Joshi (CEO)
Room Number:	41/44
Floor:	-
Building Name:	--
Road/Street Name:	Minoo Desai Marg
Locality:	Colaba
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (M.C.G.M.)
12.IOD/IOA/Concession/Plan Approval Number	Building 1 (IOD): CHE/ A-4921/BP(WS)/AR dated 02.02.2018; Building 2 (IOD): CHE/A-5098/BP(WS)/AR dated 09.05.2017; Building 3 (IOD): CHE/WSII/0757/R/S/337(NEW) dated 07.03.2016 And Approval from CFO – FB / HRC/ RIV/65
	IOD/IOA/Concession/Plan Approval Number: Building 1 (IOD): CHE/ A-4921/BP(WS)/AR dated 02.02.2018; Building 2 (IOD): CHE/A-5098/BP(WS)/AR dated 09.05.2017; Building 3 (IOD): CHE/WSII/0757/R/S/337(NEW) dated 07.03.2016 And Approval from CFO – FB / HRC/ RIV/65
	Approved Built-up Area: 219490.15
13.Note on the initiated work (If applicable)	Total constructed work (FSI+ Non FSI): 2, 83,078.81 Sq. mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Received MHADA NOC no. CO/MB/REE/NOC/717/2014 dt.1/07/2014 and CO/MB/REE/NOC/1075/2016 dt. 12.07.2016
15.Total Plot Area (sq. m.)	2, 22,820.72. Plot area considered for development: 45,400.00 Sq. mt.
16.Deductions	23,821.41 Sq. mt.
17.Net Plot area	1, 98,999.29 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 2, 19,490.15 Sq. mt.
	b) Non FSI area (sq. m.): 2, 11,540.94 Sq. mt.
	c) Total BUA area (sq. m.): 431031.09
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 2, 19,490.15
	Approved Non FSI area (sq. m.): 2, 11,540.94
	Date of Approval: 12-07-2016
19.Total ground coverage (m2)	28,305.28 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	62.3 % of Plot area considered for development and 16.9% of Net plot area
21.Estimated cost of the project	18500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1 - Rehabilitation	--	--
2	Building No. 1A: Wing A & B	1 Basement + Ground + 2 Podia + 32 upper floors each	106.10
3	Building No. 1A: Wing C	1 Basement + Stilt + 2 Podia + 33 upper floors	103.20
4	Building No. 1B: Wing D	1 Basement + Stilt + 2 Podia + 33 upper floors	106.10
5	Building No. 1B: Wing E	1 Basement + Stilt + 2 Podia + 32 upper floors	103.20
6	Building No. 1C: Wing F	1 Basement + Stilt + 2 Podia + 32 upper floors	103.20
7	Building No. 1D: Wing G	1 Basement + Stilt + 2 Podia + 30 upper floors	97.40
8	Building 2 – Sale (One Building with 2 Wings)	--	--
9	Wing A & B	Basement + Stilt + 5 Podia + R1 + R2 + R3 + 54 floors	196.50
10	Building 3 – Sale (One Building with 3 Wings)	--	--
11	Wing A	Part basement + Ground Floor + 1st to 5th Level Podium + 6th E deck Floor + 1 FCF + 1st to 37th Upper Floor	143.50
12	Wing B	Part basement + Ground Floor +1st to 5th Level Podium + 6th E deck Floor + 1 FCF + 1st to 37th Upper Floor	143.50
13	Wing C	Part basement + Ground Floor +1st to 5th Level Podium + 6th E deck Floor + 1 FCF + 1st to 37th Upper Floor	143.50

23.Number of tenants and shops	Building 1: Rehabilitation: Total flats: 1975 Nos. And Shops: 95 Nos. Building 2: Sale : Total flats: 400 Nos. Building 3: Sale: Total flats: 696 Nos. And Shops: 6 Nos.
24.Number of expected residents / users	16196 Nos.
25.Tenant density per hectare	800/hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 mt. wide D.P. Road and 36.30 mt. wide D.P. Road

28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 mt.
29.Existing structure (s) if any	There is one structure on the plot which shall be demolished and construction has been started
30.Details of the demolition with disposal (If applicable)	Demolition debris shall be partly reused/recycled on site and partly disposed to Authorized landfill site with permission from M.C.G.M.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	M.C.G.M./Tanker water of potable quality
	Fresh water (CMD):	1436
	Recycled water - Flushing (CMD):	723
	Recycled water - Gardening (CMD):	131
	Swimming pool make up (Cum):	16
	Total Water Requirement (CMD) :	2306
	Fire fighting - Underground water tank(CMD):	2600 KL
	Fire fighting - Overhead water tank(CMD):	360 KL
	Excess treated water	830 KLD

Wet season:	**Source of water**	M.C.G.M./Tanker water of potable quality
	Fresh water (CMD):	From M.C.G.M.: 1359 KLD + From RWH Tank: 77 KLD
	Recycled water - Flushing (CMD):	723
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	16
	Total Water Requirement (CMD) :	2175
	Fire fighting - Underground water tank(CMD):	2600 KL
	Fire fighting - Overhead water tank(CMD):	360 KL
	Excess treated water	961 KLD
Details of Swimming pool (If any)	Swimming Pool make up water requirement: 16 KLD	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5 mt. to 6 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	Building 1: 8 tanks of total capacity 506 KL, Building 2: 2 tanks of total capacity 120 KL And Building 3: 3 tanks of total capacity 87 KL
	Location of the RWH tank(s):	Basement
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 110.30 Lacs
	Budgetary allocation (O & M cost) :	Rs. 4.28 Lacs/annum
	Details of UGT tanks if any :	Location(s) of the UGT tank(s): Basement

35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged into the external SWD
	Quantity of storm water:	3.63 m3/sec
	Size of SWD:	5.0 m wide and 3.0m depth trained nalla abutting to the plot

Sewage and Waste water	**Sewage generation in KLD:**	Building 1: 1166 KLD, Building 2: 234 KLD And Building 3: 471 KLD
	STP technology:	MBBR (Moving Bed Bio Reactor)
	Capacity of STP (CMD):	Building 1: One STP of 1200 KL; Building 2: One STP of 260 KLD And Building 3: 3 STPs of total capacity 520 KL
	Location & area of the STP:	Basement
	Budgetary allocation (Capital cost):	Rs. 557.00 Lacs
	Budgetary allocation (O & M cost):	Rs. 87.34 Lacs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Use of excavated material for back filling
	Disposal of the construction waste debris:	Construction waste material shall be partly reused/ recycled and remaining shall be disposed to the authorized land fill site.
Waste generation in the operation Phase:	**Dry waste:**	2699 kg/day
	Wet waste:	4485 kg/day
	Hazardous waste:	Nil
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	281 kg/day
	Others if any:	--
Mode of Disposal of waste:	**Dry waste:**	To Authorized recyclers
	Wet waste:	Organic Waste Converter (OWC)
	Hazardous waste:	--
	Biomedical waste (If applicable):	--
	STP Sludge (Dry sludge):	As manure
	Others if any:	--
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	348 Sq. mt.
	Area for machinery:	48 Sq. mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 36.00 Lacs
	O & M cost:	Rs. 16.97 Lacs /annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	RG on the ground (sq. m.): 11534.67 And RG on the podium (sq. m.): 13528.79
	No of trees to be cut :	Will be submitted
	Number of trees to be planted :	397 nos.
	List of proposed native trees :	As given below in "List of proposed plantation on ground"
	Timeline for completion of plantation :	Before occupancy

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Murraya paniculata	Kunti	--	Evergreen plant Small, white, scented flowers, Grown as an ornamental tree or hedge
2	Saraca asoka	Site Ashok	--	Shady evergreen tree with red-yellow flowers. Medicinal plant
3	Gmelina arborea	Shivan	--	Fast growing tree with beautiful yellow flowers, its timber is used in constructions, furniture, carriages, sports, musical instruments and artificial limbs. Its root, bark and fruit has medicinal properties.

4	Azadiracta indica	Neem	--	Large tree, fast-growing evergreen tree, drought resistance, Medicinal properties, good for roadside plantation.
5	Bombax ceiba	Katesawar	--	Large Deciduous Shady tree Its flowers are the attraction for some bees and carpenter bees.
6	Erythrina variegate	Pangara	--	It is a drought resistant tree. Flowers are pollinated by birds.
7	Butea monosperma	Palas	--	Good charcoal can be made from it. The leaves are usually very leathery and not eaten by cattle; the flowers are used to prepare a traditional Holi color. It is also used as a dyeing color for fabric.
8	Caryota urens	Fish tail palm	--	Solitary-trunked tall evergreen tree. Pulp of the fully grown up plant is cut, sun dried, powdered and is edible. Ornamental plant.
9	Magnolia champaca	Son chafa	--	Medium sized evergreen tree, strongly fragrant yellow flowers used in perfume industry. Butterfly host plant
10	Neolamarckia cadamba	Kadamba	--	It is a quick growing , large traffic like spreading branches, its fragment orange flowers attracts pollinators, it helps in improving physical and chemical properties of soil, Shady, large tree, ball shaped flowers. It acquires profitable medicinal and commercial properties.
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance Energy Ltd.
	During Construction Phase: (Demand Load)	--
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	41494 KW
	During Operation phase (Demand load):	16961 KW
	Transformer:	--
	DG set as Power back-up during operation phase:	Building 1: 2 DG sets of 500 kVA each, Building 2: 2 DG sets of 250 kVA each And Building 3: 3 DG sets of 275 kVA each and 1 DG Set of 500 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	--

48.Energy saving by non-conventional method:

? Use of VFD and APFC Panel on water pumps with 90% efficiency
? Use of LED Lights
? Provision of solar panels

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
--	--	--

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Will be submitted
	O & M cost:	Will be submitted

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Dust suppression	7.20
2	Air Environment	Air and Noise quality: By outside MoEF & CC Approved Laboratory	1.10
3	Air Environment	Air and Noise quality: Sensors for Air quality & Noise level monitoring	12.50

4	Water Environment	Drinking water analysis	0.15
5	Land Environment	Site Sanitation	10.00
6	Health & Hygiene	Disinfection- Pest Control	6.00
7	Health & Hygiene	Health-check-up of workers	81.00
8	Cost towards Disaster Management	--	30.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR & NOISE ENVIRONMENT: Cost for Ambient Air quality & Noise Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.22
2	Cost for Ambient Air quality & Noise Monitoring	On site sensors	No set up cost is involved as already considered Construction Phase	0.50
3	Cost for DG Stack Exhaust Monitoring	4 nos. of stacks	No set up cost is involved	0.19
4	Cost for Plantation	25063.46 Sq.mt. of green area on ground & podium	137.85	1.20
5	WATER ENVIRONMENT: Cost for Waste water treatment	Cost for Sewage Treatment Plants	467.00	82.20
6	Cost for water & waste water Monitoring	On site sensors	90.00	5.00
7	Cost for water & waste water Monitoring	By outside MoEF & CC Approved Laboratory	No set up cost is involved	0.14
8	Cost for Water Conservation (Rain Water Harvesting System)	Cost for RWH tanks	71.30	3.57
9	Cost for Water Conservation (Rain Water Harvesting System)	Cost for treatment unit for Rain Water collected in tanks	39.00	0.13
10	Cost for Water Conservation (Rain Water Harvesting System)	Cost for Rainwater Monitoring	No set up cost is involved	0.59
11	Cost for Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	36.00	16.65
12	Cost for Solid Waste Management	Cost for monitoring of OWC manure	No set up cost is involved	0.32
13	Cost towards Disaster Management	--	3015.00	60.30

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 & exit
Parking details:	**Number and area of basement:**	Building 1: One Basement for Building 1A, 1B, 1C and 1D ; Building 2: One Basement And Building 3: Part Basement
	Number and area of podia:	Building 1: 2 Podia for Building 1A, 1B, 1C and 1D ; Building 2: 5 Podia And Building 3: 5 Podia
	Total Parking area:	78,769.47 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	199 nos.
	Number of 4-Wheelers as approved by competent authority:	2286 nos.
	Public Transport:	nil
	Width of all Internal roads (m):	12.20 mt.
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: Approx. 1.00 km (Aerial distance)
	Category as per schedule of EIA Notification sheet	8(b) B1
	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

Environment Consultant of the project submitted the letter dated 4/2/2020 regarding withdrawal of the project. Committee accepted the same.

DECISION OF SEAC

Environment Consultant of the project submitted the letter dated 4/2/2020 regarding withdrawal of the project. Committee accepted the same.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

Agenda of 127th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 127 (Day-2) **Meeting Date** February 6, 2020

Subject: Environment Clearance for Proposed building construction project - Residential cum Commercial Project

Is a Violation Case: No

1.Name of Project	FBKA Jewels
2.Type of institution	Private
3.Name of Project Proponent	FBKA Developers LLP
4.Name of Consultant	Sneha Hi Tech Products, Bangalore
5.Type of project	Residential cum Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot bearing survey no. 145,H.No.1,Sector 11
9.Taluka	Thane
10.Village	Shil
Correspondence Name:	Mr.Zoeb Abbas Sahiwala
Room Number:	-
Floor:	Ground floor
Building Name:	Mazgaon Reclmn Estate
Road/Street Name:	1st cross street
Locality:	Darukhana
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Thane Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	Received IOD & CC –For Building no.01 – upto 4 floors ,For Building no.02 – upto 10 floors, Club House - G+1, Received CFO for entire building, Application for LOA is submitted & scrutiny is in process..Application for HRC is submitted & it's in process.
	IOD/IOA/Concession/Plan Approval Number: 1) V. P. No. S11/0175/18 2) Permission video V. P. No. S11/0175/18/TMC/TDD/2855/18 dated 24.10.2018 3)TMC/CFO/M/HRC/45/45 dated 23.01.2019 4)CC vide V. P. No. S11/0175/18TMC/TDD/3053/19 dated 18.04.2019
	Approved Built-up Area: 16858.80
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	7020 sq.mt.
16.Deductions	2186.05 sq.mt.
17.Net Plot area	4833.95 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 15460.24
	b) Non FSI area (sq. m.): 17759.09
	c) Total BUA area (sq. m.): 33219.33
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 6079.27
	Approved Non FSI area (sq. m.): 10779.53
	Date of Approval: 24-10-2018
19.Total ground coverage (m2)	3582.53
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	51.03% of total plot area and 74.11% of total net plot area
21.Estimated cost of the project	840000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1 (Commercial)	Ground + 1st + 2nd + 3rd + 4th (p)	21.60
2	Building No 2 (Residential)	Ground + Podium 1+ Podium 2 + Stilt/Podium 3 + 1st & 2nd (p) + 3rd to 19th Floor + Fire Check Floor + 20th to 30th Floors	108.05

23.Number of tenants and shops	Building No.01 - Commercial - 8 shops +32 offices - Commercial Occupants - 659 Nos. Building No.02 - Residential - 332 Tenements - Residential occupants - 1660 Nos.
24.Number of expected residents / users	Residential - 1660 Residents
25.Tenant density per hectare	250 per hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	60m wide DP Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	TMC
	Fresh water (CMD):	162.58 m3/day
	Recycled water - Flushing (CMD):	91.175 m3/day
	Recycled water - Gardening (CMD):	6 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	259.755 m3/day
	Fire fighting - Underground water tank(CMD):	400 CUM
	Fire fighting - Overhead water tank(CMD):	30 CUM
	Excess treated water	152.825 m3/day
Wet season:	**Source of water**	TMC
	Fresh water (CMD):	162.58 m3/day
	Recycled water - Flushing (CMD):	91.175 m3/day
	Recycled water - Gardening (CMD):	0 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	253.755 m3/day
	Fire fighting - Underground water tank(CMD):	400 CUM
	Fire fighting - Overhead water tank(CMD):	30 CUM
	Excess treated water	158.825 m3/day
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:**	For summer season – Range from 1.5m To 2.0m below ground For rainy season – at ground surface (0.0m) For winter season – Range from 1.3m To 1.6m below ground
	Size and no of RWH tank(s) and Quantity:	NA - Using recharge pits for RWH
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	3 Nos
	Size of recharge pits :	3m diameter & 6m depth
	Budgetary allocation (Capital cost) :	Rs 8,00,000
	Budgetary allocation (O & M cost) :	Rs 4,00,000 Annually
	Details of UGT tanks if any :	Fire Tank -400 CUM Domestic & Drinking Water Tank-106.5 CUM Flushing water tank-63 CUM
35.Storm water drainage	**Natural water drainage pattern:**	The slope of water is towards the 60.0m main road.(towards South-west direction)
	Quantity of storm water:	452 cum per day generated & 90cum recharged in RWH
	Size of SWD:	Starting from 450mm to 600mm wide & depth upto 600mm
Sewage and Waste water	**Sewage generation in KLD:**	221.24 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 No, 250 KLD
	Location & area of the STP:	Area - 32.87 sqmt, Location - NW
	Budgetary allocation (Capital cost):	Rs 55,00,000
	Budgetary allocation (O & M cost):	Rs 6,00,000 Annually
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	60kg per day wet & 5kg per day dry waste
	Disposal of the construction waste debris:	NA
Waste generation in the operation Phase:	**Dry waste:**	100 kg/day
	Wet waste:	700kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	50kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Authorized Vendor
	Wet waste:	Organic Waste Convertor
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be Using Manure after treatment in OWC
	Others if any:	NA
Area requirement:	**Location(s):**	-
	Area for the storage of waste & other material:	8.22 sq.mt
	Area for machinery:	OWC - 6.79 sq.mt OWP - 6.00 sq.mt
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	700 kg/day -1 no. – 30 lac
	O & M cost:	700 kg/day -1no.– 2.5lac/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	DG SET – 1no.100kVA	HSD – 30 lit/Hr	Stack no.01	5.0 m	As per norms	-

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	Not applicable	30 lit/Hr	30 lit/Hr
41.Source of Fuel		Bharat Petroleum/HP Petroleum		
42.Mode of Transportation of fuel to site		By Roadway		

43.Green Belt Development	**Total RG area :**	Provided On Ground - 651.38 sqmt, On Podium 3 - 1004.32 sqmt
	No of trees to be cut :	0
	Number of trees to be planted :	As per MOEF - 88 nos
	List of proposed native trees :	Total Trees Proposed 112, Flowering Tree - 57, Ornamental Tree - 29 ,Fruit Tree - 26
	Timeline for completion of plantation :	4 years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	PELTOPHORUM INERME	COPPERPOD	20	Fast growing evergreen plant with dense, spreading umbrella shaped spreading.
2	MIMUSOPS ELENGI	BAKUL	29	Evergreen plant with sweet scented flowers.
3	MANGIFERA INDICA	MANGO	04	Large Tree with a dense dome-shaped crown. Fruit bearing tree.
4	MANILKARA ZAPOTA	CHIKOO	22	Long lived, evergreen tree, Fruit bearing tree.
5	MILLINGTONIA HORTENSIS	INDIAN CORK	10	Tall straight plant, Ornamental Plant, gives aesthetical value to the surrounding.
6	THEVETIA NERIIFOLIA	-	16	Ornamental Plant, gives aesthetical value to the surrounding.
7	BAUHINIA PURPUREA	ORCHID	03	Fast growing, attractive & deciduous plant.
8	PLUMERIA RUBRA	CHAMPA	08	Deciduous plant, semi succulent shrub or small tree with broad crown.
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	BAUHINIA PURPUREA (ORCHID)	2.5m	7.09Sq.M
2	PLUMERIA RUBRA (CHAMPA)	2.5m	6.31Sq.M
3	THEVETIA NERIIFOLIA	2.5m	4.97Sq.M

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	45 KW
	DG set as Power back-up during construction phase	25kVA
	During Operation phase (Connected load):	1795 kVA
	During Operation phase (Demand load):	1140 kVA
	Transformer:	1 x 1500 kVA
	DG set as Power back-up during operation phase:	1 x 100 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Solar Power

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Panels ,Timer Logic Controller,Electronic V3F drive for Lifts,Solar water heater	19% Saving

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	-	Green belt will be provided
Water	-	STP will be installed & excess treated water used for flushing & gardening
Noise	-	Noise monitoring will be done in once a fortnight. Traffic management plan to be prepared. Acoustically enclosed DG set will be brought & installed.
Solid waste	-	Wet Waste will be treated in OWC. STP sludge will be Used as Manure after treatment in OWC Dry Waste will be given to SWACH

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	60 lakh
	O & M cost:	2.5 Lakh/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression, Air & Noise Monitoring	0.50 lakh/year

2	Water Environment	Tanker Water for Construction, Water Monitoring	0.50 lakh/year
3	Land Environment	Site Sanitation –Mobile toilets	0.50 lakh/year
4	Socio economic environment	Disinfection- Pest Control, First Aid Facilities, Health Check Up, Creches For Children, Food for children, Personal Protective Equipment	1.00 lakh/year

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	To harvest rain water	8	4
2	Sewage Treatment Plant	To treat sewage	55	6
3	Organic Waste Composting	To treat biodegradable solid waste	30	2.5
4	Tree Plantation	For green belt development	30	3.0
5	Energy saving	For use of solar lighting and solar heater	60	2.5
6	Environment Monitoring	Air, water, noise and soil analysis	-	2.5
7	Laying of Storm line up to final disposal point	For proper storm water disposal	60	3.6
8	Laying of Sewer line up to final disposal point	For proper disposal of sewage	22	3
9	Environment Management Cell	To manage environmental issues	-	2.5

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	The Entry Exit is on the 60m wide DP Road.
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	Podium 1, 2 & 3, Podium 1 - 2253.36 sqmt , Podium 2 - 1867.72 sqmt, Podium 3 - 1389.02 sqmt
	Total Parking area:	Ground Floor - 2986.36 sqmt (Includes Ramps & Drive ways) Podium 1 Floor - 2253.36 sqmt (Includes Driveway) Podium 2 Floor - 1867.72 sqmt (Includes Driveway) Podium 3 Floor - 1389.02 sqmt (Includes Driveway) Total Area - 8496.46 sqmt
	Area per car:	13.75 sqmt
	Area per car:	13.75 sqmt
	Number of 2-Wheelers as approved by competent authority:	376
	Number of 4-Wheelers as approved by competent authority:	226
	Public Transport:	NA
	Width of all Internal roads (m):	Internal Road - 6mt & Ramp Width - 9mt.
	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 B2 category
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Zoeb sahiwala was present during the meeting along with environmental consultant. M/s. Sneha Hi Tech Products, Bangalore.

PP informed that, the project under consideration is amendment in new residential cum commercial project. PP further stated that, the total plot area of the project is 7020 Sq.mt having total construction area 33976.30 Sq.mt (FSI - 15460.24 Sq.mt + NON FSI- 17759.09 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building No. 1 (Commercial)	Ground + 1st + 2nd + 3rd + 4th (p)	21.60
Building No 2 (Residential)	Ground + Podium 1+ Podium 2 + Stilt/Podium 3 + 1st & 2nd (p) + 3rd to 19th Floor + Fire Check Floor + 20th to 30th Floors	108.05

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to abide the all conditions laid in the CFO NoC dated 23/1/2019.
2) PP to use maximum treated waste water to reduce disposal to 35%.
3) The planning authority to ensure that no occupation certificate is given to the Project till surplus discharge from STP of the Project is connected to duly developed and commissioned sewage disposal system of local planning authority.
4) 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.
5) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be 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 127th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 127 (Day-2) **Meeting Date** February 6, 2020

Subject: Environment Clearance for Building & Construction project

Is a Violation Case: No

1.Name of Project	Building & Construction project
2.Type of institution	Private
3.Name of Project Proponent	Dange Developers
4.Name of Consultant	EIA Coodinator : Sourabh Jaiswar ; SGM Corporate Consultant Pvt Ltd
5.Type of project	Building & Construction project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	SEIAA STATEMENT-0000000996 dated 18-09-18
8.Location of the project	S.No.13, H.No.1A/1 to 5,1B/1 & S.No. 14, Vill: Sopara, Tal: Vasai, Dist: Palghar
9.Taluka	Vasai
10.Village	Sopara
Correspondence Name:	Shri Mujtaba Sagir Ahmed Dange
Room Number:	01
Floor:	Ground
Building Name:	Dange House
Road/Street Name:	Station Road
Locality:	Nallasopara (W),
City:	Palghar
11.Whether in Corporation / Municipal / other area	VVCMC
12.IOD/IOA/Concession/Plan Approval Number	commencment certificate
	IOD/IOA/Concession/Plan Approval Number: VP-0432/0171/2013-14 and latest permission obtained 27-05-2015
	Approved Built-up Area: 13612.54
13.Note on the initiated work (If applicable)	Yes, constructed about 19,200.00 sq. m builtup area at site.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	18,480.00
16.Deductions	7125.98
17.Net Plot area	11,354.02
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 21807.49
	b) Non FSI area (sq. m.): 13121.87
	c) Total BUA area (sq. m.): 34929.36
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 18480.00
	Approved Non FSI area (sq. m.): 9042.76
	Date of Approval: 27-05-2015
19.Total ground coverage (m2)	5220.20
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22
21.Estimated cost of the project	180000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Bldg1	G +7	24.50
2	Bldg2	G +7	24.50
3	Bldg3	G +7	24.50
4	Bldg4	G + 16	56.40
5	4 Prayer Hall	G	3.5

23.Number of tenants and shops	Flat: 482, Shops: 71 & offices : 02, Hall : 4
24.Number of expected residents / users	2410
25.Tenant density per hectare	260
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	20.0 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5
29.Existing structure (s) if any	Bldg No 1 & 2
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**	VVCMC
	Fresh water (CMD):	220
	Recycled water - Flushing (CMD):	112
	Recycled water - Gardening (CMD):	10
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	342
	Fire fighting - Underground water tank(CMD):	100, 75, 50
	Fire fighting - Overhead water tank(CMD):	40, 30, 20
	Excess treated water	158
Wet season:	**Source of water**	VVCMC
	Fresh water (CMD):	220
	Recycled water - Flushing (CMD):	112
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	332
	Fire fighting - Underground water tank(CMD):	100, 75, 50
	Fire fighting - Overhead water tank(CMD):	40, 30, 20
	Excess treated water	168
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:**	5-6
	Size and no of RWH tank(s) and Quantity:	50 x 2 Cum
	Location of the RWH tank(s):	ground
	Quantity of recharge pits:	03
	Size of recharge pits :	1.0 x 1.2 x 1.0
	Budgetary allocation (Capital cost) :	10 Lacs
	Budgetary allocation (O & M cost) :	0.5 Lac
	Details of UGT tanks if any :	Dometic : 100, 40, 60 & 40 Flushing: 50, 20, 30, & 20
35.Storm water drainage	**Natural water drainage pattern:**	Near by Nallaha
	Quantity of storm water:	0.30 cum/sec
	Size of SWD:	600 x 800
Sewage and Waste water	**Sewage generation in KLD:**	300
	STP technology:	MBBR
	Capacity of STP (CMD):	310 Cum
	Location & area of the STP:	Below ground
	Budgetary allocation (Capital cost):	75 Lakhs
	Budgetary allocation (O & M cost):	7.5 Lacs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	250 kg/day
	Disposal of the construction waste debris:	Low lying & making of internal road.
Waste generation in the operation Phase:	**Dry waste:**	511kg/day
	Wet waste:	738 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	32 Kg
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	segregate/ sale o/collected by local authority
	Wet waste:	composting through invessel composting or OWC Machine
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Manure
	Others if any:	NA
Area requirement:	**Location(s):**	ground
	Area for the storage of waste & other material:	40 sq.m
	Area for machinery:	5.0 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	8.5 Lacs
	O & M cost:	30 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 :**	1703.10 sq.m
	No of trees to be cut :	nil
	Number of trees to be planted :	150
	List of proposed native trees :	annexed
	Timeline for completion of plantation :	Dec 18

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	Roystonea regia	Royal palm	20	Nitrogen fixer, ornamental plant
2	Azardiractha indica	Neem	20	Shady tree for roadside plantation and has medicinal uses
3	Mimusopes elengi	Bakul	20	Evergreen tree, timber yielding and medicinal plant
4	Butea monosperma	Flame tree	20	Used in pesticide & dye preparation
5	Polyalthia	Ashok	15	Evergreen tree
6	bengdumar	umber	05	Provide shaded
7	Sapota	Chikoo	05	Fruits
8	Sarca indica	Ashoka	30	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	Annexure	Annexure	Annexure

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	200 KVA
	DG set as Power back-up during construction phase	50 KVA
	During Operation phase (Connected load):	4050 KW
	During Operation phase (Demand load):	2550 KVA
	Transformer:	1500 KVA x 2
	DG set as Power back-up during operation phase:	125 KVA X 2
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Light fixtures will be used with energy saving LED, CFL.
Use of solar energy for street lighting
Selection of Energy efficient equipments (BEE STAR RATED)

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Light fixtures will be used with energy saving LED, CFL. Use of solar energy for street lighting Selection of Energy efficient equipments (BEE STAR RATED)	20. 2 %

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:**	28.20 Lacs
	O & M cost:	4.0 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	Sanitation	pH, BOD, COD etc.	2.5
2	Health	checkup	2.0
3	Saferty	safety	12.0
4	Drinking water	Health	2.5

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	pH, BOD, COD etc.	75.0	7.5
2	Rain water Harvesting	NA	10.0	0.5
3	Solid Waste Management	PH, NPK	8.5	3.0
4	Energy conservation measures	LED, Solar Energy	28.20	4.0
5	Landscaping	Tree Plantation	8.0	2.0

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:	02
Parking details:	**Number and area of basement:**	00
	Number and area of podia:	00
	Total Parking area:	2275 sq.m
	Area per car:	12.5
	Area per car:	12.5
	Number of 2-Wheelers as approved by competent authority:	482
	Number of 4-Wheelers as approved by competent authority:	180
	Public Transport:	Bus stop
	Width of all Internal roads (m):	6.0 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	NA
	Other Relevant Informations	submitted application on MEoFCC portal on dated 27/02/2017
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	27-02-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP was present during the meeting along with environmental consultantM/s SGM Corporate Consultant Pvt Ltd.

PP informed that, the project under consideration is expansion building & construction project. PP further stated that, the total plot area of the project is 18,480.00 Sq.mt having total construction area 34929.36 Sq.mt (FSI - 21807.49 Sq.mt + NON FSI- 13121.87 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Bldg1	G +7	24.50
Bldg2	G +7	24.50
Bldg3	G +7	24.50
Bldg4	G + 16	56.40
4 Prayer Hall	G	3.5

It is noted that, Project has received Environmental clearance vide letter dated 18-09-18.

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

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

Specific Conditions by SEAC:

1) Local planning authority to ensure the structural stability of building for which vertical expansion is proposed.
2) PP to abide the all conditions laid in earlier EC.
3) The planning authority to ensure that no occupation certificate is given to the Project till surplus discharge from STP of the Project is connected to duly developed and commissioned sewage disposal system of local planning authority.
4) 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.
5) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be 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 127th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 127 (Day-2) **Meeting Date** February 6, 2020

Subject: Environment Clearance for Building & Construction Project

Is a Violation Case: No

1.Name of Project	Arihant Superstructure Ltd
2.Type of institution	Private
3.Name of Project Proponent	Arihant Superstructure Ltd
4.Name of Consultant	EIA Coordinator : Sourabh S. Jaiswar for M/s S G M Corporate Consultant Pvt Ltd
5.Type of project	Building & Construction Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	obtained on dated 11/08/2016 for 1,10,499.83 sq. builtup area.
8.Location of the project	S.NO.20/1, 20/2, 20/3, 21/1, 21/2,22/1,22/2,22/3,22/4, 23/2,25/9, 25/11
9.Taluka	Khalapur
10.Village	Dahiwali,
Correspondence Name:	Nimesh Shah
Room Number:	1501
Floor:	15
Building Name:	Arihant Aura
Road/Street Name:	Thane Belapur Road
Locality:	MIDC Turbhe
City:	Navimumbai
11.Whether in Corporation / Municipal / other area	Collector, Raigad
12.IOD/IOA/Concession/Plan Approval Number	NA
	IOD/IOA/Concession/Plan Approval Number: Collector, Raigad District approved the plan dated 23/02/2013 and 17/04/2015
	Approved Built-up Area: 110499.83
13.Note on the initiated work (If applicable)	Work in progress as per EC obtained on dated 11/08/2016
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	80,560.00
16.Deductions	7,534.808
17.Net Plot area	73,025.192
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,09,771.833
	b) Non FSI area (sq. m.): 34,066.268
	c) Total BUA area (sq. m.): 144101.630
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 80071.43
	Approved Non FSI area (sq. m.): 30428.40
	Date of Approval: 17-04-2015
19.Total ground coverage (m2)	30500
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	28.35
21.Estimated cost of the project	1800000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	29 Residential Bldgs	G + 4	14.95 m
2	04 Residential Bldgs	G + 8	26.15 m
3	01 Residential Bldgs	G + 12	37.50 m
4	10 Residential Bldgs	G + 15	47.30 m
5	01 Club House	G + 1	9.0 m
6	01 Amenity Bldg	G + 3	15.05 m
7	01 Common Hall	G + 3	15.05 m

23.Number of tenants and shops	Tenements : 2386 Nos ; Shops: 101 Nos;Com. Hall: 3 nos
24.Number of expected residents / users	11930 Nos
25.Tenant density per hectare	300
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.0 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	7.5
29.Existing structure (s) if any	as per accorded EC
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**	Gram Panchayat
	Fresh water (CMD):	725
	Recycled water - Flushing (CMD):	365
	Recycled water - Gardening (CMD):	110
	Swimming pool make up (Cum):	05
	Total Water Requirement (CMD) :	1200
	Fire fighting - Underground water tank(CMD):	00
	Fire fighting - Overhead water tank(CMD):	00
	Excess treated water	381
Wet season:	**Source of water**	Gram Panchayat
	Fresh water (CMD):	725
	Recycled water - Flushing (CMD):	365
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	05
	Total Water Requirement (CMD) :	1090
	Fire fighting - Underground water tank(CMD):	00
	Fire fighting - Overhead water tank(CMD):	00
	Excess treated water	491
Details of Swimming pool (If any)	NOne swimming pool	

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:**	12-15 m
	Size and no of RWH tank(s) and Quantity:	02 (90 cum)
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	20
	Size of recharge pits :	(1.5 x 1.5 x 2.0) m
	Budgetary allocation (Capital cost) :	30 Lakhs
	Budgetary allocation (O & M cost) :	1.00 Lakh
	Details of UGT tanks if any :	Domestic : 200, 184, 200, 90, 90, 50, cum Flushing : 100, 92, 100, 45, 45, 25, cum
35.Storm water drainage	**Natural water drainage pattern:**	Yes
	Quantity of storm water:	1.57 cum/sec
	Size of SWD:	400 mm wide x 600 mm
Sewage and Waste water	**Sewage generation in KLD:**	952
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	02 (500 and 500 cum)
	Location & area of the STP:	Below Ground & 150.00 sq.m
	Budgetary allocation (Capital cost):	165 Lakhs
	Budgetary allocation (O & M cost):	22.75 Lakhs
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	during construction 250 to 500 kg/day
	Disposal of the construction waste debris:	Low lying & making of internal road.
Waste generation in the operation Phase:	**Dry waste:**	2400 kg/day
	Wet waste:	3600 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	45 Kg
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Segregated/Sale/Collected by local authority
	Wet waste:	Composting through OWC or Biogas through digester
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Manure
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	50.50 sq.m
	Area for machinery:	10.0 sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	26.50
	O & M cost:	6.50

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 :**	20536.00 sq.m
	No of trees to be cut :	NA
	Number of trees to be planted :	1055
	List of proposed native trees :	yes
	Timeline for completion of plantation :	Dec 20

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	Sapota	Chikoo	25	Provides shade, edible fruits
2	Castia Fistula	Bahava	150	Provides shade, Flowering trees
3	Mango	Amba	100	Provides shade, edible fruits
4	Sarca Indica	Ashok	150	Evergreen tree helps in controlling noise pollution
5	Nyctanthus arbor	Parijatak	100	It's a Shrub/tree with fragrant flowers
6	Syzigium cumini	Jamun	20	Fruiting tree
7	Mimusopes elengi	Bakul	150	Evergreen tree, timber yielding and medicinal plant
8	Roystonea regia	Royal palm	150	Nitrogen fixer, ornamental plant
9	Ficus religosa	Peepal	10	Evergreen tree helps in controlling noise pollution
10	Azidirachata Indica	Neem	75	evergreen medicinal plan
11	Tamrandus Indica	Imli	25	Provides shade, edible fruits
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	ANNEXURE	ANNEXURE	ANNEXURE

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 KVA
	DG set as Power back-up during construction phase	50 KVA
	During Operation phase (Connected load):	11044 KW
	During Operation phase (Demand load):	5020 KVA
	Transformer:	1500 KVA X 4, 01 x 2000 KVA
	DG set as Power back-up during operation phase:	2 x 250 & 180 , 160 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

? Light fixtures will be used with energy saving LED & T5 fluorescent tube with electronic chocks.
? Use of Solar energy for street & landscape lightings.
? Small capacity transformers having low no load and load losses.
? Selection of Energy efficient equipments (BEE STAR RATED

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Light fixtures will be used with energy saving LED & T5 fluorescent tube with electronic chocks, Use of Solar energy for street & landscape lightings.	about 2240 % energy savings in common areas.

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:**	215 Lakhs
	O & M cost:	10.5 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	Sanitation	pH, BOD, COD etc.	2.5
2	Health	checkup	2.0
3	Health	checkup	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	STP	pH, BOD, COD etc.	165.0	22.75
2	RAIN WATER HARVESTING	NA	30.0	1.00
3	SOLID WASTE MANAGEMENT	PH, NPK	26.50	6.50
4	ENERGY SAVING MEASURES	LED, Solar Energy	215.00	10.50
5	Green Belt	Plantation	24.00	4.50

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:	1
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	11500.00
	Area per car:	24.50 sq.m
	Area per car:	24.50 sq.m
	Number of 2-Wheelers as approved by competent authority:	2450
	Number of 4-Wheelers as approved by competent authority:	450 No
	Public Transport:	Bus Stop
	Width of all Internal roads (m):	min 6.0
	CRZ/ RRZ clearance obtain, if any:	NA

	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8 b (B1)
	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 127th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 127 (Day-2) **Meeting Date** February 6, 2020

Subject: Environment Clearance for Environment Clearance for Residential cum Commercial Redevelopment project

Is a Violation Case: No

1.Name of Project	Sunskruti
2.Type of institution	Private
3.Name of Project Proponent	IM Buildcon
4.Name of Consultant	Pollution and Ecology Control Services
5.Type of project	Residential cum Commercial Redevelopment
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing CTS no. 18(pt), 36A/1, 36A/2, 38A & 62 A/7, Village- Dindoshi, Taluka- Malad, Mukadam compound, Sahakarwadi, G.M. Link Road, P South ward of MCGM, Goregaon- East, Mumbai- 400063
9.Taluka	Borivali
10.Village	Dindoshi
Correspondence Name:	Mr. Amit Hindlekar and Mr. Imran Khan
Room Number:	618
Floor:	6th Floor
Building Name:	The Corporate Avenue
Road/Street Name:	Sonawala Lane
Locality:	Goregaon East
City:	Goregaon Mumbai 400063
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	LOI dated 9 May, 2019
	IOD/IOA/Concession/Plan Approval Number: SRA/ ENG/ 2657/PS/STGL/LOI dated 9 May 2019
	Approved Built-up Area: 24806.33
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI dated 9 May, 2019
15.Total Plot Area (sq. m.)	4106.120 sq.m
16.Deductions	105.533
17.Net Plot area	4000.587
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 18168.12
	b) Non FSI area (sq. m.): 11188.27
	c) Total BUA area (sq. m.): 29356.39
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 13935.28
	Approved Non FSI area (sq. m.): 10871.05
	Date of Approval: 09-05-2019
19.Total ground coverage (m2)	1641.24
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	41
21.Estimated cost of the project	1040000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sale Building	Basement+Ground+3 podiums+4th floor to 38th Residential floors	119.9
2	Rehab Building	Ground+1st to 5th Commercial floors + 6th to 22nd Residential floors	69.40

23.Number of tenants and shops	375 Flats and 130 shops
24.Number of expected residents / users	1635 Residents and 242 Users
25.Tenant density per hectare	937
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	27.45 mt wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	minimum 9 mt for fire tender movement
29.Existing structure (s) if any	NO
30.Details of the demolition with disposal (If applicable)	The existing structures on the site has been demolished and the Demolition waste has been disposed of as per the the Construction and Demolition Waste Management Rules 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**	MCGM
	Fresh water (CMD):	85 for Sale and 65 for Rehab
	Recycled water - Flushing (CMD):	43 for Sale and 37 for Rehab
	Recycled water - Gardening (CMD):	2
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	131 for Sale and 102 for Rehab
	Fire fighting - Underground water tank(CMD):	300 for Sale and 151 for Rehab
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	51 for sale and 40 for Rehab
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	85 for Sale and 65 for Rehab
	Recycled water - Flushing (CMD):	43 for Sale and 37 for Rehab
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	129 for Sale and 102 for Rehab
	Fire fighting - Underground water tank(CMD):	300 for Sale and 151 for Rehab
	Fire fighting - Overhead water tank(CMD):	30
	Excess treated water	53 for sale and 40 for Rehab
Details of Swimming pool (If any)	Not Available	

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	00	150	150	00	22.5	22.5	00	128	128

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	5mt - 6 mt
	Size and no of RWH tank(s) and Quantity:	One RWH tank of 30m3
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	10 Lakh
	Budgetary allocation (O & M cost) :	1Lakh
	Details of UGT tanks if any :	Domestic Water Tank 1: 47 m3, Domestic Water Tank 2: 20.36 m3, Domestic Water Tank 3: 90 m3, Flushing Tank 1: 45 m3, Flushing Tank 2: 47 m3, Fire Fighting Tank 1: 101 m3, Fire Fighting Tank 2: 48.6 m3, Fire Fighting Tank 3: 300 m3, Rain Water Harvesting Tank: 30 m3
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 drains
	Quantity of storm water:	87m3/hr for Rehab and 112m3/hr for Sale
	Size of SWD:	450 mm wide Storm water drain
Sewage and Waste water	**Sewage generation in KLD:**	97.50 for Sale and 77.82 for Rehab
	STP technology:	MBBR
	Capacity of STP (CMD):	100 KLD for Sale with 96 sq mt area and 90 KLD for Rehab with 83 sq mt area
	Location & area of the STP:	Sale: Below ground and opening to ground, Rehab: Below ground and opening to ground
	Budgetary allocation (Capital cost):	36 lakhs
	Budgetary allocation (O & M cost):	3.6 Lakh
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	90 kg/day
	Disposal of the construction waste debris:	Scrap materials will be disposed off to Authorized Vendors
Waste generation in the operation Phase:	**Dry waste:**	400 kg/d
	Wet waste:	715 kg/d
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	1.86 m3
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated and disposed off to recyclers
	Wet waste:	Wet garbage would be composted using OWC and or IVC Vessel and compost will be used as manure
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Rehab SWM on first floor and Sale SWM on third podium
	Area for the storage of waste & other material:	28 sq mt for Rehab and 33 sq mt for Sale
	Area for machinery:	28 sq mt for Rehab and 33 sq mt for Sale
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	16 Lakhs
	O & M cost:	1.6 lakh

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	332.75 sq.m on ground
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	6
	List of proposed native trees :	6
	Timeline for completion of plantation :	Not Applicable

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 tree	01	Neem leaf and its constituents have immunomodulatory, anti-inflammatory, antihyperglycaemic, antiulcer, antimalarial, antifungal, antibacterial, antiviral, antioxidant, antimutagenic and anticarcinogenic properties
2	Mimusopes elengi	Bakul	01	Evergreen and Timber yielding medicinal plant
3	Ficus benjamica	Weeping fig	01	Evergreen and bird attracting tree
4	Cassica fistula	Golden shower	01	Drought tolerant and medicinal plant
5	Saraca indica	Sita ashoka	01	Tall and Evergreen Medicinal plant
6	Neolamarkia cadamba	Kadamba tree	01	Tropical fruit tree and bird attracting tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Adani Power
	During Construction Phase: (Demand Load)	100KVA
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	2235 KW for Rehab and 3864 KW for Sale
	During Operation phase (Demand load):	Rehab: 720 kW, Sale: 909 kW
	Transformer:	1 X 1600 KVA
	DG set as Power back-up during operation phase:	Not Applicable
	Fuel used:	Not Applicable
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

6% saving by solar using PV and Solar heater

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Common Area lighting load by LED Fixtures	50%
2	Lifts for Rehab and Sale	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:**	23 Lakhs
	O & M cost:	0.4 Lakhs/yr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Dust Suppression measures & barricading	Erosion Control	3.5
2	Supply of Personal Protective Equipments	Site safety	2
3	Facility of Biotoliets	Site Sanitation	2
4	Health checkup on regular intervals	Disinfection & health checkup	2

5	Air, Water, Soil, Noise monitoring	Environmental Monitoring	2
6	Disaster Management Plan	DMP for Construction phase	16.03

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	Sewage Treatment Plant	36	3.6
2	SWM	Soild Waste Management	16	1.6
3	RWH	Rain Water Harvesting	10	1
4	Landscaping	Maintenance of RG /Garden area	14	0.98
5	DMP	Disaster Management Plan	89.16	6.24

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:	25 mt wide Goregaon link road

Parking details:	**Number and area of basement:**	Basement 1: 1676.11 sq mt
	Number and area of podia:	Podium 1: 832.04 sq mt, Podium 2: 1032.34 sq mt, Podium 3: 961.07 sq mt
	Total Parking area:	1346.05 sq mt
	Area per car:	5.5*2.5 for big cars and 4.5*2.3 for Small cars
	Area per car:	5.5*2.5 for big cars and 4.5*2.3 for Small cars
	Number of 2-Wheelers as approved by competent authority:	14
	Number of 4-Wheelers as approved by competent authority:	220 for Sale and 56 for Rehab
	Public Transport:	J Arun kumar Vaidya Marg Naka Bus Stop
	Width of all Internal roads (m):	6 mt wide internal roads
	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 with respect to Environmental clearance but other case in Hon'ble High Court with Contempt Petition No. (L) 175 Of 2018
	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 127th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 127 (Day-2) **Meeting Date** February 6, 2020

Subject: Environment Clearance for Proposed Expansion of Residential cum Commercial project at plot bearing Survey No. 346/B+356/B, H.No.B-1,B-2,B-3,B-4,B-5 (NEW),S No. 346/B+356/B, H.No.C; S.No. 347 H.No.A/1, A/4, Village – Bolinj, S.No.21B H.No.3 of village Dongre, Taluka Vasai, District Palghar by M/s Raj Enterprises

Is a Violation Case: No

1.Name of Project	Expansion of Residential cum Commercial project
2.Type of institution	Private
3.Name of Project Proponent	M/s Raj Enterprises
4.Name of Consultant	M/s. Enviro Analysts and Engineers Pvt. Ltd
5.Type of project	Residential cum Commercial Project
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC received vide letter no. SEAC-2014/CR-184/TC-1 dtd 26.12.2014
8.Location of the project	Survey No. 346/B+356/B, H.No.B-1,B-2,B-3,B-4,B-5 (NEW),S No. 346/B+356/B, H.No.C; S.No. 347 H.No.A/1, A/4, Village – Bolinj, S.No.21B H.No.3
9.Taluka	Vasai
10.Village	Bolinj, Dongre
Correspondence Name:	M/s Raj Enterprises
Room Number:	102
Floor:	-
Building Name:	New Khokhoani buvan
Road/Street Name:	Vasai road
Locality:	Vasai
City:	Vasai
11.Whether in Corporation / Municipal / other area	Vasai Virar City Municipal Corporation (VVCMC)
12.IOD/IOA/Concession/Plan Approval Number	CC received
	IOD/IOA/Concession/Plan Approval Number: CC received vide letter no. VVCMC/TP/RDP/VP-0197/201/2018-19 dtd 24.01.2019
	Approved Built-up Area: 26127.68
13.Note on the initiated work (If applicable)	Bldg 2,3,6,7,8,9,10 are constructed as per previous EC received.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	CC received vide letter no. VVCMC/TP/RDP/VP-0197/201/2018-19 dtd 24.01.2019
15.Total Plot Area (sq. m.)	26770.00
16.Deductions	5089.48 sq.m
17.Net Plot area	21,680.52 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 34666.06
	b) Non FSI area (sq. m.): 10566.79
	c) Total BUA area (sq. m.): 45222.85
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 26127.68
	Approved Non FSI area (sq. m.): -
	Date of Approval: 24-01-2019
19.Total ground coverage (m2)	4963.53
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	23.05 %
21.Estimated cost of the project	740000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building 1(Wing A, B & C)	St + 21 floors	68.40
2	Building 2 (Wing A & B)	St + 7	22.65
3	Building 3 (Wing A, B, C & D)	St + 7	22.65
4	Building 6 (Wing A, B & C)	St + 7	22.65
5	Building 7 (Wing A & B)	St + 7	22.65
6	Building 8	Gr + 4	14.85
7	Building 9 (Wing A & B)	Gr + 4	14.85
8	Building 10 (Wing A & B)	Gr + 4	14.85
9	CFC 1	St + 3	14.15
10	CFC 2	St + 3	14.15

23.Number of tenants and shops	Residential: 727 nos. Shops: 102 nos, CFC: 1200 sq.m
24.Number of expected residents / users	Residential: 3635nos., Shops: 306 nos, CFC: 200 nos. Total: 4141 nos.
25.Tenant density per hectare	337 Tenants / hector
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	20.00 m wide D.P road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 9.00 m
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	Nil

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	VVCMC/ STP Treated water
	Fresh water (CMD):	340
	Recycled water - Flushing (CMD):	174
	Recycled water - Gardening (CMD):	16
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	530
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	10
	Excess treated water	242
Wet season:	**Source of water**	VVCMC/ STP Treated water/RWH
	Fresh water (CMD):	340
	Recycled water - Flushing (CMD):	174
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	514
	Fire fighting - Underground water tank(CMD):	75
	Fire fighting - Overhead water tank(CMD):	10
	Excess treated water	258
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:**	1-3 m BGL
	Size and no of RWH tank(s) and Quantity:	327 cum (2 days storage)
	Location of the RWH tank(s):	Ground level
	Quantity of recharge pits:	Nil
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs.16.00 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 5.03 Lakhs/yr
	Details of UGT tanks if any :	Domestic water tank 340 cum Flushing water tank 174cum
35.Storm water drainage	**Natural water drainage pattern:**	East to West
	Quantity of storm water:	0.75 cum/sec
	Size of SWD:	300 mm X 300 mm
Sewage and Waste water	**Sewage generation in KLD:**	480 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	500 KLD
	Location & area of the STP:	Below ground level
	Budgetary allocation (Capital cost):	Rs. 79 Lakhs
	Budgetary allocation (O & M cost):	Rs. 20 Lakhs/yr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Recyclable waste will be generated like empty cement bags & cans, scrap metal etc. Debris & construction waste shall be generated.
	Disposal of the construction waste debris:	Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers.
Waste generation in the operation Phase:	**Dry waste:**	788 kg/day
	Wet waste:	1131 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	28 kg/day
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to Local Recyclers.
	Wet waste:	Will be processed in the OWC. manure obtained shall be used for landscaping / Gardening, Excess manure shall be sold to nearby end users
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	To be used as manure & replacement of saw dust for OWC
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Located at Ground Level
	Area for the storage of waste & other material:	99 sq.m
	Area for machinery:	5sq.m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 12 lakhs
	O & M cost:	Rs. 4 lakhs/yr

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41.Source of Fuel		Not applicable		

42.Mode of Transportation of fuel to site	Not applicable

43.Green Belt Development	**Total RG area :**	3260.28 sq.mt
	No of trees to be cut :	-
	Number of trees to be planted :	260
	List of proposed native trees :	as given 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	Anthocephallus cadamba	Kadamb	10	evergreen tree
2	Alstonia scholaris	Satwin	8	evergreen tree
3	Peltofourm	Yellow Gulmohar	10	flowering tree
4	Mimusops elengi	Bakul	10	evergreen tree
5	Terminalia cattapa	Almond tree	12	Shady & fruiting tree
6	Cassia renigera	Cassia Sps.	10	shady tree
7	Adina cordifolia	Kadam	10	evergreen tree
8	Albizia lebbeca	Shirish	10	flowering tree
9	Tabernaemontana divaricata	Tagar	8	evergreen tree
10	Michelia champaca	Sonchafa	12	evergreen tree
11	Polyalthia logifolia	Asu palav	16	evergreen tree
12	Callistemon sps	Australian Bottle Brush	14	evergreen tree
13	Grevillea robusta	Silver oak	10	evergreen tree
14	Azadirachta indica	Neem	10	Medicinal tree
15	Bombax ceiba	Silk cotton tree	20	evergreen tree
16	Barreingtonia racemosa	Samundraphal	20	evergreen tree
17	Caryota urens	Fish Tail Palm	20	Ornamental tree
18	Ravenala madagascariensis	Ravenella Fan Palm	20	Ornamental tree
19	Roystonea regia	Royal Palm	20	Ornamental tree
20	Bauhinia purpuria	Purple Orchid Tree	20	flowering 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 :**	MSEB
	During Construction Phase: (Demand Load)	100 kW
	DG set as Power back-up during construction phase	75 KVA
	During Operation phase (Connected load):	4829.90 kW
	During Operation phase (Demand load):	2707.35 kW
	Transformer:	-
	DG set as Power back-up during operation phase:	2 X 160 KVA, 1 X 320 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

Hot water provision made using Solar Hot water system LED lights used for common area & external lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	total energy savings	12 %

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.74.00 Lakh
	O & M cost:	Rs.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	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	4
2	Noise Environment	Noise Baricades and Green Belt Developments	3
3	Water Environment	Modular STP , Drainage with sedimentation tanks	3

4	Good Health Practices	Site Sanitation & Health Care	3
5	Environment Monitoring	Environment Monitoring	3

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Water Environment	RWH	16	3
2	Water Environment	STP	79	20
3	Solid waste management	OWC	12	4
4	Energy Savings	Solar	74	7
5	Land environment	Landscaping	10	7

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:	The project site is accessible through the existing 20 m wide DP road

Parking details:	**Number and area of basement:**	Nil
	Number and area of podia:	Nil
	Total Parking area:	13457.12 sq.m
	Area per car:	39 sq.m
	Area per car:	39 sq.m
	Number of 2-Wheelers as approved by competent authority:	740 nos.
	Number of 4-Wheelers as approved by competent authority:	345 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	minimum 6.00 m wide internal road
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay gandhi national Park (17.42 km)
	Category as per schedule of EIA Notification sheet	8(a), B2
	Court cases pending if any	NA
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

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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

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Specific Conditions by SEAC:

FINAL RECOMMENDATION

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