Agenda for 134 th Meeting of SEAC-2

SEAC Meeting number: 134 **Meeting Date** June 8, 2020

Subject: Environment Clearance for "Growel's 101 Mall" (Shopping Mall and Multiplex) at Akurli Road, Kandivali (E), Mumbai.

Is a Violation Case: Yes

1.Name of Project	"Growel's 101 Mall" (Shopping Mall and Multiplex)
2.Type of institution	Private
3.Name of Project Proponent	M/s. Grauer & Weil (India) Limited
4.Name of Consultant	M/s. ULTRA TECH
5.Type of project	Shopping Mall and Multiplex
6.New project/expansion in existing project/modernization/diversification in existing project	The project is an expansion of Growel's 101 Mall
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	--
8.Location of the project	CTS. No. 151, Growel House, Akurli Road, Kandivali (E), Mumbai.
9.Taluka	Borivali
10.Village	Akurli
Correspondence Name:	Mr. Vinod Haritwal (CEO & Director)
Room Number:	--
Floor:	--
Building Name:	Growel House
Road/Street Name:	Akurli Road
Locality:	Kandivali (E)
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	For Wing F: IOD & CC no. CHE/A-3136 BP(WS)/AR And For Wing A, B & C: IOD & CC no. CHE/A-3465/BP(WS)/AR
	IOD/IOA/Concession/Plan Approval Number: For Wing F: IOD & CC no. CHE/A-3136 BP(WS)/AR And For Wing A, B & C: IOD & CC no. CHE/A-3465/BP(WS)/AR
	Approved Built-up Area: 34019.77
13.Note on the initiated work (If applicable)	Detailed site history is given in Form 1. Total Constructed built-up area on site till date: Wing F (Not under purview of EIA notification):12741.62 Sq. mt. ; Wing A, B and C (Under purview of EIA notification): 27689.72 Sq. mt. Total constructed area (Wing A, B, C & F): 40431.34 Sq. mt.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	37,832.90 Sq. mt.
16.Deductions	8,097.02 Sq. mt.
17.Net Plot area	29,735.88 Sq. mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** ?Under purview of EIA Notification (Wing A, B, C & D): 27737.25 Sq. mt. ?Not under purview of EIA notification (Wing F): 10154.61 Sq. mt.
	b) Non FSI area (sq. m.): ?Under purview of EIA Notification (Wing A, B, C & D): 17,559.04 Sq. mt. ?Not under purview of EIA notification (Wing F): 2587.01 Sq. mt.
	c) Total BUA area (sq. m.): 45296.29
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 34019.77
	Approved Non FSI area (sq. m.): 14072.01
	Date of Approval: 03-05-2011
19.Total ground coverage (m2)	11,385.68
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	38 %

21.Estimated cost of the project	1346500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	SHOPPING MALL WITH MULTIPLEX	--	--
2	Phase I (Not under purview of EIA notification)	--	--
3	Existing and Occupied Wing: Wing F	Basement + Ground + 1st to 3rd Upper Floors	17.70 mt.
4	Phase II (Under purview of EIA Notification) Existing and Occupied Wings: (Constructed between EIA Notification,1994 as amended on 7th July 2004 and 14th September 2006)	--	--
5	Wing A	Ground + 1st to 4th Upper Floor	21.90 mt.
6	Wing B	Part Basement + Ground + 1st to 3rd Upper Floor	17.70 mt.
7	Wing C	Ground + 1st to 4th Upper Floor	21.90 mt.
8	Phase II (Proposed)	--	--
9	Wing D	2 Basements + Ground + 1st to 2ndUpper Floor	12.60 mt.

23.Number of tenants and shops	Shopping Mall and Multiplex
24.Number of expected residents / users	Under purview of EIA Notification (Wing A, B, C And D): 5841 Nos. (floating population) Please note in the same layout there is existing Wing F constructed prior to EIA Notification whose floating occupancy is 4141 Nos.
25.Tenant density per hectare	--
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	18.30 mt. wide Akurli road and 61 mt. Western Express Highway
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Min. 7.5 mt.
29.Existing structure (s) if any	Shopping Mall and Multiplex
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)

1	Not applicable	Not applicable	Not applicable	Not applicable

32.Total Water Requirement

Dry season:	**Source of water**	M.C.G.M./ Treated Sewage/ Tanker water
	Fresh water (CMD):	108 KLD Please note in the same layout there is existing Wing F constructed prior to EIA Notification whose domestic requirement is 24 KLD
	Recycled water - Flushing (CMD):	Flushing/ Part requirement of cooling tower make: 76 KLD Please note in the same layout there is existing Wing F constructed prior to EIA Notification whose flushing requirement is 44 KLD
	Recycled water - Gardening (CMD):	23 KLD
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	207 KLD Please note in the same layout there is existing Wing F constructed prior to EIA Notification whose water requirement is 68 KLD
	Fire fighting - Underground water tank(CMD):	350 KL
	Fire fighting - Overhead water tank(CMD):	90 KL
	Excess treated water	0
Wet season:	**Source of water**	M.C.G.M./ Treated Sewage/ Tanker water
	Fresh water (CMD):	85 KLD Please note in the same layout there is existing Wing F constructed prior to EIA Notification whose domestic requirement is 24 KLD
	Recycled water - Flushing (CMD):	Flushing/ Part requirement of cooling tower make: 99 KLD Please note in the same layout there is existing Wing F constructed prior to EIA Notification whose flushing requirement is 44 KLD
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	184 KLD Please note in the same layout there is existing Wing F constructed prior to EIA Notification whose water requirement is 68 KLD
	Fire fighting - Underground water tank(CMD):	350 KL
	Fire fighting - Overhead water tank(CMD):	90 KL
	Excess treated water	0
Details of Swimming pool (If any)	Not applicable	

33.Details of Total water consumed

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

Domestic	--	--	--	--	--	--	--	--	--

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	1.30 mt. to 1.55 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	Nil
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	Existing: 29 nos. of recharge pits
	Size of recharge pits :	1 mt. X 1 mt. X 1.05 mt. deep
	Budgetary allocation (Capital cost) :	Rs. 2.61 Lacs
	Budgetary allocation (O & M cost) :	Rs. 0.05 Lacs/annum
	Details of UGT tanks if any :	Location of UG tanks: Underground/Basement
35.Storm water drainage	**Natural water drainage pattern:**	The Storm water from the plot is to be disposed in to an existing 5.0 m wide drain passing adjacent to the plot on North side. Runoff from the plot is conveyed to 5.0 m through drain having slope from South to North of the plot.
	Quantity of storm water:	0.96 m3/sec
	Size of SWD:	Carrying capacity of internal discharge: 2.23m3/sec
Sewage and Waste water	**Sewage generation in KLD:**	Wing A, B, C & D: 95 KLD Effluent from R & D lab: 1 KLD. Please note in the same layout there is existing Wing F constructed prior to EIA Notification from which sewage of 63 KLD is generated that is treated in the same STP of capacity 170 KL
	STP technology:	Moving Bed Bio Reactor (MBBR)
	Capacity of STP (CMD):	Treatment of sewage in Packaged STP of capacity of 170 KL; Effluent Treatment Plant (ETP) of Capacity 1 KL
	Location & area of the STP:	STP: Location: Ground , ETP: Location: Ground Area: 31 Sq. mt.
	Budgetary allocation (Capital cost):	Rs. 85.72 Lacs
	Budgetary allocation (O & M cost):	Rs.23.31 Lacs/annum

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	?The excavated soil from existing Wing A, B and C has been disposed to authorized landfill site as per the Excavation Permission received dated 12.09.2006 ?Excavated material generated from proposed Wing Dshall be partly reused (Approx. 20 %) on site for leveling and filling and remaining (Approx. 80%) shall be disposed to authorized landfill site as approved by M.C.G.M.
	Disposal of the construction waste debris:	Construction waste material generated shall be partly reused and remaining shall be disposed to the authorized land fill site.

Waste generation in the operation Phase:	**Dry waste:**	Wing A, B, C & D: 857 kg/day; Please note in the same layout there is existing Wing F constructed prior to EIA Notification which generates 350 kg/day dry waste that is disposed by M.C.G.M.
	Wet waste:	Wing A, B, C & D: 233 kg/day; Please note in the same layout there is existing Wing F constructed prior to EIA Notification which generates 165 kg/day wet waste that is disposed by M.C.G.M.
	Hazardous waste:	? Discarded Containers/Barrels/Liners (33.3) – 0.01 MT ? Chemical Sludge, Oil and Grease Skimming Residues (34.4) – 0.01 MT
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	--
	Others if any:	Please note till date this being mall project very negligible amount of E-waste is generated
Mode of Disposal of waste:	**Dry waste:**	To M.C.G.M.
	Wet waste:	Treatment in Organic Waste Converter (OWC)
	Hazardous waste:	To CHWTSDF
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	Storage of E – Waste in separate space within project site and subsequently handed over to authorized recyclers.
Area requirement:	**Location(s):**	Ground level
	Area for the storage of waste & other material:	53 Sq. mt.
	Area for machinery:	12 Sq. mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 9.00 Lacs
	O & M cost:	Rs. 1.62 lacs/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6.5-7.5	7-7.5	Between 5.5 to 9.0
2	Suspended Solids	mg/l.	150-200	<10	Not to exceed 100
3	BOD 3 days 27 Deg. C.	mg/l.	250-350	<5	Not to exceed 100
4	COD	mg/l.	500-600	<30	Not to exceed 250
5	Oil & Grease	mg/l.	60	<10	Not to exceed 10
6	T.D.S.	mg/l.	200-300	<10	Not to exceed 2100
7	Chlorides	mg/l.	50	<20	Not to exceed 600
8	Sulphates	mg/l.	50	<20	Not to exceed 1000

Amount of effluent generation (CMD):	0.9 KLD
Capacity of the ETP:	1 KL
Amount of treated effluent recycled :	0.7 KL
Amount of water send to the CETP:	Nil
Membership of CETP (if require):	--

Note on ETP technology to be used	The treatment will include the following unit / equipment; ?Collection Tank ?Reaction Tank ?Magnetic Coupled Pump ?Diaphragm Pump ?Dosing Tank ?Sand Filter
Disposal of the ETP sludge	Disposal to CHWTSTDF

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Discarded Containers/Barrels/Liners (33.3)	33.3	MT	0.01 MT	Nil	0.01 MT	To CHWTSDF
2	o Chemical Sludge, Oil and Grease Skimming Residues (34.4)	34.4	MT	0.01 MT	Nil	0.01 MT	To CHWTSDF

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 Sets	--	--	--	--	--

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	RG on the ground (sq. m.): 7543.44
	No of trees to be cut :	Nil
	Number of trees to be planted :	Plantation of 736 nos. of trees of various varieties is already done (83 nos. of trees have been planted on site & 653 nos. in the premises of defence which is adjacent to project site) as per Tree NOC received from M.C.G.M.
	List of proposed native trees :	Tree plantation details are given in EIA report
	Timeline for completion of plantation :	Plantation already done on site

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

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

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

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

47.Energy

Power requirement:	**Source of power supply :**	TATA Power
	During Construction Phase: (Demand Load)	--
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	Wing A, B, C and D: 5110 KW
	During Operation phase (Demand load):	Wing A, B, C and D: 2813 KW
	Transformer:	Wing A, B, C and D: 1 no. of 2500 kVA & 1 no. of 1250 kVA
	DG set as Power back-up during operation phase:	Wing A, B, C and D: 3DG sets of capacity 625 kVA each, 2 DG sets of capacity 1010 kVA and 500 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

? Provision of Solar PV Panels for Lighting & Power load
? Use of LED Lights
? Use of Energy Efficient VAV &Water Cooled Systems
? Use of Pumps & Motors with Premium Efficiency
? Provision of Energy Efficient Lifts with VVVF Lift Drive

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall energy saving	21.8%
2	Saving due to Renewable energy	9.7 %

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	170 KL packaged Sewage Treatment Plant (STP)	--
Solid waste	Organic Waste Convertor	--
Effluent	Effluent Treatment Plant (ETP) for R & D lab of Capacity 1 KL	--

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 281.80 Lacs
	O & M cost:	Rs. 2.64 Lacs/annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Dust suppression	0.36

2	Air Environment	Air & Noise monitoring- By outside MoEF & CC Approved Laboratory	0.22
3	Air Environment	Air & Noise monitoring- On site sensors for Air & Noise monitoring	5.50
4	Water Environment	Drinking water analysis	0.18
5	Land Environment	Site Sanitation	1.50
6	Health & Hygiene Environment	Disinfection- Pest Control	1.20
7	Health & Hygiene Environment	Health Check up of workers	2.70

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	AIR & NOISE ENVIRONMENT –Cost for Ambient Air quality & Noise Monitoring:	On site sensors	No set up cost is involved as already considered Construction Phase	0.50
2	AIR & NOISE ENVIRONMENT –Cost for Ambient Air quality & Noise Monitoring:	By outside MoEF& CC Approved Laboratory	*No set up cost is involved	0.22
3	AIR & NOISE ENVIRONMENT - Cost for DG Stack Exhaust Monitoring	--	*No set up cost is involved	0.10
4	AIR & NOISE ENVIRONMENT - Cost for Plantation	Plantation on green cover area	41.49	1.20
5	WATER ENVIRONMENT - cost for waste water treatment	Cost for Sewage Treatment Plant of capacity 170 KL	78.22	11.40
6	WATER ENVIRONMENT - cost for waste water treatment	Cost for Effluent treatment Plant	7.50	2.05
7	WATER ENVIRONMENT - Cost for water & waste water Monitoring	By outside MoEF& CC Approved Laboratory	*No set up cost is involved	9.86
8	WATER ENVIRONMENT - Water Conservation (Rain Water Harvesting System)	Cost for 29 nos. of recharge pits	2.61	0.05
9	LAND ENVIRONMENT –Cost for Solid Waste Management	Cost for Treatment of biodegradable garbage in OWC	9.00	1.54

10	LAND ENVIRONMENT –Cost for Solid Waste Management	Cost for monitoring of OWC manure	*No set up cost is involved	0.08
11	ENERGY CONSERVATION - Use of renewable energy	Cost for Solar System	281.80	2.64

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
--	--	--	--	--	--	--	--

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 and Exit
Parking details:	**Number and area of basement:**	Wing B: Part Basement; Wing D: 2 Basements
	Number and area of podia:	Not applicable
	Total Parking area:	11332.16 Sq. mt.
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	Proposed Wing D: 192 Nos.
	Number of 4-Wheelers as approved by competent authority:	Wing A, B, C and D : 494 Nos. Please note in the same layout there is existing Wing F constructed prior to EIA Notification whose parking provision is 252 Nos.
	Public Transport:	--
	Width of all Internal roads (m):	Minimum 6.0 mt.
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: Approx. 2.00 Km * NOC from Wild Life Board is Not Applicable as per final Notification reg. ESZ of SGNP published by MOEF & CC u/no. S.O.3645 (E) dated 05/12/2016 as our project site is not affected by the ESZ belt.

	Category as per schedule of EIA Notification sheet	Category 8 (a) B2
	Court cases pending if any	--
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	06-07-2017

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Introduction :-

Representative of PP was present during the meeting along with Environmental consultant M/s Ultratech Ltd. PP presented the details

1.		Plot Area	37,832.90 Sq. mt.
2.		FSI Area	
3.		Non FSI Area	
4.		Total Built up Area (FSI & Non FSI)	

Description	Area (Sq. mt.)			
	Phase I: Not under purview of EIA notification (Wing F)	Phase II: Under purview of EIA Notification		
		Constructed between EIA Notification, 1994 as amended on 7th July 2004 and 14th September 2006 (Wing A, B and C)	Proposed (Wing D) Not constructed on site	Total
Built-up Area as per FSI	10154.61	21732.08	6005.17	27,737.25
Built-up Area as per NON FSI	2587.01	5957.64	11601.40	17,559.04
Total Construction Built-up Area	12741.62	27689.72	17606.57	45,296.29

5.		Building Configuration	Phase I (Not under purview of EIA notification) Existing and Occupied Wing: Wing F: Basement + Ground + 1st to 3rd Upper Floors Phase II (Under purview of EIA Notification) Existing and Occupied Wings: (Constructed between EIA Notification,1994 as amended on 7th July 2004 and 14th September 2006) Wing A: Ground + 1st to 4th Upper Floor Wing B: Part Basement + Ground + 1st to 3rd Upper Floor Wing C: Ground + 1st to 4th Upper Floor Phase II (Proposed) Wing D: 2 Basements + Ground + 1st to 2ndUpper Floor
6.		Total Population	Wing A, B, C And D: 5841 Nos. (floating population) Please note in the same layout there is existing Wing F constructed prior to EIA Notification whose floating occupancy is 4141 Nos.
7.		Water Requirement	207 KLD Please note in the same layout there is existing Wing F constructed prior to EIA Notification whose water requirement is 68 KLD
8.		Sewage generation	Wing A, B, C & D: 95 KLD Effluent from R & D lab: 1 KLD Please note in the same layout there is existing Wing F constructed prior to EIA Notification from which sewage of 63 KLD is generated that is treated in the same STP of capacity 170 KL
9.		STP capacity and Technology	Treatment of sewage in Packaged STP of capacity of 170 KL Effluent Treatment Plant (ETP) of Capacity 1 KL Technology: Moving Bed Bio Reactor (MBBR)
10.		STP location	Ground
11.		RG area required and Provided	RG area requirement:7433.97Sq.mt.(25% on net plot area) RG area provision:7543.44 Sq.mt.
12.		Energy requirement	Connected load: Wing A, B, C and D: 5110 KW Maximum demand: Wing A, B, C and D: 2813 KW
13.		Total Energy Saving	21.88%
		Energy saving by Solar	6.78%
14.		No. of DG sets and capacity	Wing A, B, C and D: 3DG sets of capacity 625 kVA each, 2 DG sets of capacity 1010 kVA and 500 kVA
15.		Solid waste generation	Non-biodegradable waste:Wing A, B, C & D:857 kg/day Biodegradable waste:Wing A, B, C & D: 233 kg/day Please note in the same layout there is existing Wing F constructed prior to EIA Notification which generates 515 kg/day solid waste that is disposed by M.C.G.M.
16.		OWC Capacity	Area for solid waste management:65Sq.mt.
17.		Parking	4 Wheeler: Wing A, B, C and D: 494 Nos. 2 Wheeler: Proposed Wing D: 192 Nos. Please note in the same layout there is existing Wing F constructed prior to EIA Notification whose parking provision is 249 Nos
18.		EMP Cost	Construction Phase: Rs.23.32Lacs Operation Phase: Capital cost: Rs. 420.62Lacs Operational and Maintenance cost: Rs. 29.64 Lacs annum
19.		Rain water Harvesting	–
20.		Number of recharge pits and sizes of the pits	Existing: 29 nos. of recharge pits Size of the recharge pit: 1 mt. X 1 mt. X 1.05 mt. deep
21.		Details of UGT tanks – Number and capacity	Domestic:1218KL Flushing: 406KL Firefighting:350 KL
22.		CER	CER plan as per the MoEF& CC circular dated 01/05/2018 Project Cost: Rs. 134.64Crores Cost for CER: Rs. 1.75 Cr (1.5% of project cost)

It is noted that the proposal under consideration is of violation of EIA Notification 2006 as amended and application for TOR was submitted within stipulated period vide MoEF & CC Notification dated 14th March 2017 & 8th March 2018. 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 discussed the said guidelines & accordingly committee instructed PP to carry out EIA as per ToR & additional ToR of remediation plan and natural & community resource augmentation plan and to 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 in 89th SEAC meeting held on 20.02.2019, 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, issued Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP), as per Notification No 1030(E)/1031(E) dated 8th March, 2018 issued by the Ministry of Environment, Forest & Climate Change. The consultant presented EIA prepared.

Deliberation:-

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

During discussion following points emerged:

1. During presentation it was submitted that PP has constructed earlier in the year 2003-2004 which is prior to EIA notification 2006. The plinth competition is prior to the notification dated 07th July 2004. PP to submit the Architect Certificate to that effect to ascertain the days of violation.

2. One nalla is abutting the plot. PP to submit the Chronology of Nalla Remarks issued by MCGM from Time to Time and Compliance of the same.

3. PP to submit reply to the MCGM letter dated 26th February 2010 and decision of MCGM on the same.

Decision:-

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 134 th Meeting of SEAC-2

SEAC Meeting number: 134 **Meeting Date** June 8, 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

Introduction :-

Representative of PP was present during the meeting along with Environmental consultant M/s M/s Enviro Analysts and Engineers pvt. ltd. The details of the project are ,

1.	Plot area	32070.00 sq m
2.	FSI	33594.44 sq m
3.	Non FSI	8758.61sq m.
4.	Total Built up area	42353.05 sq.m.
5.	Building configuration	Building name / Building Configuration / Building height (m) Bldg 1-10,13 / G + 4 floors / 14.85 Bldg. 12 / G + 12 floors / 38.55 Bungalow / G + 2 floors / 9.75 CFC / G + 3 floors / 13.50
6.	Total residential tenements	Residential: 871 nos.; Shops: 101 nos.
7.	Total population	4793 nos.
8.	Water requirement	640 KLD
9.	Sewage generation	528 KLD
10.	STP Capacity & Technology	Capacity: 550 KLD Technology: MBBR
11.	STP location	Ground
12.	Rain water harvesting	RWH tank: total capacity: 453 cum
13.	No. of pits & size of pits	-
14.	Details of UG tanks & no. of capacity	Domestic, Flushing, Fire and RWH tanks are provided
15.	Total solid waste generation	2287 kg/day
	Bio-degradable generation	1339 kg/day
	Non-Biodegradable	948 kg/day
16.	OWC capacities	OWC 300 & OWC 60
17.	Energy requirement	Existing / Proposed Connected load / 4245 Kw / 789Kw Maximum demand / 2793 KW / 483KW
18.	Energy saving total By solar	Energy saving KWH/Day / 16 Total project saving / 0.2% Energy saving through solar KWH/Day / 16 Total solar saving / 0.2%
19.	No. of DG sets & capacities	5 x 20 KVA, 1 x 125 KVA
20.	RG area required & provided - mother earth & podium	Required RG 15% = 4350.92 sq. m Proposed RG (15%)= 4371.52 sq. m
21.	Parking	Proposed: 2W = 456 nos. Proposed: 4 W=163 nos.
22.	EMP cost	Capital: Rs 693.40 Lakhs O & M: Rs. 45.90 Lakhs
23.	CER	Rs. 20 lakhs

It is noted that proposal under consideration is of Violation of EIA Notification 2006, as amended, defined in MOEF & CC notification dated 14th March 2017 & 8th March 2018.

PP informed that, the project under consideration is expansion housing project. 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. Accordingly SEAC-2 Considered the matter in 127th SEAC-2 meeting held on 6/2/2020 ToR & additional ToR accorded for remediation plan and natural & community resource augmentation plan,

PP submitted the EIA, which was taken on record. SEAC 2, in its 131st meeting held on 5th,6th, & 7th March 2020 discussed the project proposal on the basis of submitted EIA & presentation made.

All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record. Damage assessment report specifying activities contributing to the environmental damage and degradation noted from the report and deliberated in detail during the meeting. Details submitted by PP and accredited consultant as-

COST OF REMEDIATION PLAN AND NATURAL & COMMUNITY RESOURCE AUGMENTATION PLAN

Sr. No.	Description	Details	Amount (Rs.)
A	**Assessment of Environment Damages**		
1.	**Total of recurring cost**	**Cost arrived from above table per day X number of days in violation** **2790X1460 =40.73 LAKHS**	**40.73**
2	**Non-recurring cost**	**Cost as arrived from above table**	**3,94,000**
	Subtotal (1+2)	**(Subject to minimum Rs.1 Crore)**	**44.67 LAKHS** **Hence,** **Rs. 1,00,00,000**
B	**Economic benefits accrued due to violation**		
1.	**Economic benefits accrued due to violation**	**1% of Total Project cost including land, as declared by PP before SEAC, subject to maximum Rs. 10.0 Cr.** **Cost of the flats sold without EC= 15,30,00,000.00 X 0.01 = 15,30,000.00**	**15,30,000.00**
2.	**Track Record of Project proponent**	**Incremental cost of Rs. 10 lakhs for each EC violation by PP observed at any other projects in last 3 years**	**Not applicable**
C **C**	**Cost of** **remediation plan and natural & community resource augmentation plan**	**Sum of A and B above or amount equivalent to the CER amount as per the MOEF&CC's office Memorandum No: F NO 22- 65/2017-IA-III dated 01/05/2018, whichever is higher.**	**SUM OF A+B-** **1,15,30,000.0** **CER-2,000,000.0**

It is noted that,

A) As there is no earlier violation, the penal clause as mentioned under item 28 of the Approach Paper appended to the Guidelines is not applicable in this case.

B) As per clause 33 of the Approach Paper appended to the Guidelines, the actual cost of remediation may be calculated as under:

C) As per format given in SEIAA Circular, the Damage Assessment value is arrived at Rs. 1,15,30,000.00

D) Considering CER cost for the entire project as Greenfield project, under Sr. No. C : Cost of Remediation Plan and natural and community resource augmentation plan the Damage Assessment value is arrived at of Rs2,00,00,00/-

Accordingly, the matter was recommended for grant of Environmental clearance with following recommendations,

DECISION OF SEAC

After deliberation, Committee recommended the proposal for Environmental Clearance to SEIAA subject to conditions that-

1. PP to submit the analysis report for existing STP.

2. PP to submit the current status of sewer line of local planning authority.

3. PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.

However SEIAA in its 198th meeting held on 29.05.2020 discussed the proposal & mentioned that "*PP has not submitted the cost of remediation plan and natural and community resource augmentation plan to the authority also SEAC has not recommended the Bank Guarantee amount to be taken from PP. Hence SEIAA after deliberation decided to defer the proposal and refer back to SEAC for appropriate recommendations*".

Accordingly SEAC-2 again took up the proposal in its 134th meeting held on 8-9-10 June, 2020 from the point of view of specifying the amount of bank guarantee to be taken from the PP in the case and repeating earlier mentioned compliance points as all other issues including remediation cost etc. were already appraised and discussed in the earlier meeting of SEAC-2 held on 5-6-7 March, 2020.

After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA subject to conditions that-

1. PP to submit the analysis report for existing STP.

2. PP to submit the current status of sewer line of local planning authority.

3. PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.

4. PP to submit bank Guarantee of Rs Rs 1,15,30,000/- (One Crore fifteen lakhs thirty thousand only) as specified in damage assessment report prepared by accredited Environmental Consultant

Decision:-

After deliberation, Committee decided to recommend the proposal for Environmental Clearance to SEIAA, subject to compliance of above points and submission of Bank Guarantee amount of Rs 1,15,30,000/- (One Crore fifteen lakhs thirty thousand only).

Specific Conditions by SEAC:

1) PP to submit bank Guarantee of Rs Rs 1,15,30,000/- (One Crore fifteen lakhs thirty thousand only) as specified in damage assessment report prepared by accredited Environmental Consultant

FINAL RECOMMENDATION

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

Agenda for 134 th Meeting of SEAC-2

SEAC Meeting number: 134 **Meeting Date** June 8, 2020

Subject: Environment Clearance for Proposed SR Scheme on Plot bearing C.T.S No. 195 (pt.), 208 (pt.), 812 & 813, Proposed building for "Andheri Juhu Lane Navbharat CHS.Ltd". of Village Andheri , Juhu Lane Andheri (W) , K/W Ward of MCGM , Mumbai -400058.

Is a Violation Case: No

1.Name of Project	Proposed SR Scheme on Plot bearing C.T.S No. 195 (pt.), 208 (pt.), 812 & 813, Proposed building for "Andheri Juhu Lane Navbharat CHS.Ltd". of Village Andheri , Juhu Lane Andheri (W) , K/W Ward of MCGM , Mumbai -400058.
2.Type of institution	Private
3.Name of Project Proponent	Syed Ghazali Nasar (Proprietor of Nasar Associates)
4.Name of Consultant	Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	SRA Scheme
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Proposed SR Scheme on Plot bearing C.T.S No. 195 (pt.), 208 (pt.), 812 & 813, Proposed building for "Andheri Juhu Lane Navbharat CHS.Ltd". of Village Andheri , Juhu Lane Andheri (W) , K/W Ward of MCGM , Mumbai -400058.
9.Taluka	Andehri
10.Village	Andehri
Correspondence Name:	Syed Ghazali Nasar (Proprietor of Nasar Associates)
Room Number:	E-101
Floor:	First Floor
Building Name:	Prashal CHS
Road/Street Name:	Sant Janabai Road
Locality:	Vile Parle East
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Composite Building: IOA No: SRA/ENG/2485/KW/MHL/AP dated 14th June, 2017 Sale Building: IOA No: SRA/ENG/2980/KW/MHL/AP dated 22nd Nov.2019
	IOD/IOA/Concession/Plan Approval Number: IOA Composite Building (Rehab plus Sale):No.SRA/ENG/2485/KW/MHL/AP , Sale Building: IOA Sale Building: No. SRA /ENG/2980/KW/MHL/AP
	Approved Built-up Area: 17427.07
13.Note on the initiated work (If applicable)	Total Constructed Area = 17481.02 sq.m (Composite Building - G + 16 Upper Floors, Sale Building - 2 B + G + 2 Upper Floors)
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Revised LOI received dated 06.06.2017.
15.Total Plot Area (sq. m.)	4457.69
16.Deductions	489.69 sq.m
17.Net Plot area	3968 sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 20247.96
	b) Non FSI area (sq. m.): 10032.94
	c) Total BUA area (sq. m.): 30280.90
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 17427.07
	Approved Non FSI area (sq. m.): 8653.61
	Date of Approval: 02-04-2019
19.Total ground coverage (m2)	2417.20

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	60.92
21.Estimated cost of the project	1500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Composite Building (Rehab Plus sale)	Ground + 16th Upper Floors	47.30
2	Sale Building	2 Basements + Ground Floor+ 1st Floor + 2nd to 15th (part) Residential Floors	47.20

23.Number of tenants and shops	Composite Building: 274 Flats and 54 Shops & offices (Rehab Flats = 241 Nos., Rehab Shops = 28 Nos., Sale Shops = 9 Nos, Sale Flats = 33 Nos. and Sale Office = 17 Nos.) Sale Building:109 Flats and 6 Shops
24.Number of expected residents / users	Composite Building (Rehab Plus sale): 1262 Nos. Sale Building: 646 Nos. Total:1908 Nos.
25.Tenant density per hectare	1106
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	36.60 m wide Existing DP Road (South) 9.20 m wide Existing Wireless Road (North)
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Turning Radius as per Requirement
29.Existing structure (s) if any	Car out from the scheme
30.Details of the demolition with disposal (If applicable)	Slums (276 nos.) already demolished and demolition waste disposed as per SWM NOC.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM /STP /RWH
	Fresh water (CMD):	158
	Recycled water - Flushing (CMD):	81
	Recycled water - Gardening (CMD):	2
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	241
	Fire fighting - Underground water tank(CMD):	Composite Building (Rehab Plus sale):75 CMD(UGT Fire) Sale:200 CMD (UGT Fire)
	Fire fighting - Overhead water tank(CMD):	Composite Building (Rehab Plus sale):25 CMD (OHT Fire) Sale Building:50 CMD (OHT Fire)
	Excess treated water	114 KLD
Wet season:	**Source of water**	MCGM /STP /RWH
	Fresh water (CMD):	158
	Recycled water - Flushing (CMD):	81
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	239
	Fire fighting - Underground water tank(CMD):	Composite Building (Rehab Plus sale):75 CMD(UGT Fire) Sale:200 CMD (UGT Fire)
	Fire fighting - Overhead water tank(CMD):	Composite Building (Rehab Plus sale):25 CMD (OHT Fire) Sale Building:50 CMD (OHT Fire)
	Excess treated water	116 KLD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Less than 4m
	Size and no of RWH tank(s) and Quantity:	2 Nos. of Tanks (Sale wing A & B) , Sale Wing A: 17.00 cum and Sale Wing B:20.00 cum.
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	2 Nos of Recharge pits for composite Building (Rehab plus sale)
	Size of recharge pits :	18.84 cu.m
	Budgetary allocation (Capital cost) :	9 Lakhs
	Budgetary allocation (O & M cost) :	1 Lakhs
	Details of UGT tanks if any :	Composite Building (Rehab Plus sale):75 KLD(UGT Fire) Sale Building:200 KLD (UGT Fire) Composite Building(Rehab Plus sale):55 KLD(UGT Flushing) Sale Building:26 KLD (UGT Flushing) Composite Building (Rehab Plus sale):108 KLD(UGT Domestic) Sale Building:50 KLD (UGT Domestic)
35.Storm water drainage	**Natural water drainage pattern:**	S to N
	Quantity of storm water:	0.12 m.cu./s
	Size of SWD:	450 MM
Sewage and Waste water	**Sewage generation in KLD:**	207
	STP technology:	AOT/MBBR
	Capacity of STP (CMD):	2 Nos of STP Sale Building - 66 CMD, Composite Building - 142 CMD
	Location & area of the STP:	Sale Building: Location- Ground, Area- 15 sq.m Composite Building: Location- Ground, Area- 25 sq.m
	Budgetary allocation (Capital cost):	35 Lakhs
	Budgetary allocation (O & M cost):	6 Lakhs / 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, scrap Material etc. Debris and construction waste shall be generated.
	Disposal of the construction waste debris:	Top soil to be been preserved for landscaping, Scrap material and other recyclable material like empty cement bags and empty paint cans to be sold to recyclers. Broken Tiles to be used as china mosaic for terrace.
Waste generation in the operation Phase:	**Dry waste:**	357 Kg/day
	Wet waste:	536 Kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10 Kg/day
	Others if any:	E-Waste

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to local recycler.
	Wet waste:	Processed in OWC. Manure obtained shall be used for landscaping/ Gardening, Excess manure shall be sold to nearby end users.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Dry sludge will be used as manure
	Others if any:	To be handed over to the authorized E-waste recycler
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	54 sq. m.
	Area for machinery:	9 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 :**	Proposed RG Area : 401.62 sq. m
	No of trees to be cut :	NA
	Number of trees to be planted :	49 Nos.
	List of proposed native trees :	As below
	Timeline for completion of plantation :	As soon as construction work completed

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	14	Medicinal tree
2	Michelia champaca	Son-chafa	11	Flowering/ornamental plant
3	Mangifera indica	Mango	10	Fruiting tree
4	Mimusops elengi	Bakul	14	Evergreen tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	TATA/Adani
	During Construction Phase: (Demand Load)	40 KW
	DG set as Power back-up during construction phase	50 kVA
	During Operation phase (Connected load):	4328 KW
	During Operation phase (Demand load):	1858 KW
	Transformer:	2*1000 KVA
	DG set as Power back-up during operation phase:	1 no of 600 KVA (Sale Building) and 1 No of 300 KVA (Rehab Building)
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

By Using LED Bulbs
By using electronic Ballast
By using Timer/sensor
By using APFC
By using solar energy

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Saving for Composite Building (Rehab plus sale)	21
2	Overall Saving for Sale Building	17

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:**	30 Lakhs
	O & M cost:	2 Lakhs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Environment	Water Sprinkling, Green Belt Development, Covered storage area	3
2	Noise Environment	Noise Barricades and Green Belt Developments	8
3	Water Environment	Modular STP, Drainage with sedimentation tanks	10
4	Good Health Practices	Site Sanitation & Health Care	10
5	Environment Monitoring	Air, water, noise soil monitoring during construction phase	15

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rain Water Harvesting	Tanks and Recharge Pits	9	1
2	Solid waste management	OWC	8	2
3	Waste water management	STP	35	6
4	Energy conservation	Solar	30	2
5	Landscaping	Greenbelt	7	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:	Access form existing 36.60 m wide DP Road & existing 9.20 m wide wireless Road.
Parking details:	**Number and area of basement:**	2 Basements, Area of Basement 1: 1406.21 sq.m , Area of Basement 2: 1361.34 sq.m
	Number and area of podia:	NA
	Total Parking area:	Parking Area (Ground):482 sq. m, Basement 1 (Parking Area):735 sq. m ,Basement 2(Parking Area):970 sq. m
	Area per car:	Ground : 8.60 sq.m , Basement 1: 17.01 sq.m , Basement 2: 19.86 sq.m
	Area per car:	Ground : 8.60 sq.m , Basement 1: 17.01 sq.m , Basement 2: 19.86 sq.m
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	137
	Public Transport:	Andheri Railway station (1.6 Kms)
	Width of all Internal roads (m):	Width is as per Requirement
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	8(a), B2
	Court cases pending if any	No

	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

Introduction :-

Representative of PP was present during the meeting along with Environmental consultant M/s M/s Enviro Analyst & Engineers Pvt Ltd. The details of the project are

Sr.No.		Description	Details
1.		Plot Area (sq.m.)	4457.69 sq.m
2.		FSI Area (sq.m.)	20247.96 sq.m sq. mt.
3.		Non-FSI (sq.m.)	10,032.94 sq.m. .
4.		Proposed built-up area (FSI + Non FSI) (sq.m.)	30280.9 sq.m.
5.		Building Configuration	<table><tr><td>Building Name</td><td>Building Configuration</td><td>BuildingHeight</td></tr><tr><td>Composite Building (2 Wings)</td><td>Ground + 16th Upper Floors</td><td>47.30 m</td></tr><tr><td>Sale Building(2 Wings)</td><td>2 Basements + Ground Floor + 1stFloor + 2ndto 15th(part) Residential Floors</td><td>47.20 m</td></tr></table>
6.		No. of Tenements & Shops	Composite Building: 274 Flats and 54 Shops & offices Rehab Flats = 241 Nos., Rehab Shops = 28 Nos.,Sale Shops = 9 Nos, Sale Flats = 33 Nos. and Sale Office = 17 Nos. Sale Building:109 Flats and 6 Shops
7.		Total Population	1,908 Nos.
8.		Total Water Requirements CMD	Total Water Requirement: 241 KLD Domestic Water Requirement: 158 KLD Flushing Water Requirement: 81 KLD Landscaping Water Requirement: 2 KLD
9.		Sewage Generation CMD	207 KLD
10.		STP Capacity , Technology & Location	STP is proposed having AOT Technology/MBBR Total Capacity: 208KLD Composite (Rehab plus Sale) :142 KLD Sale WingA & B: 66 KLDLocation: Ground
11.		Total Solid Waste Quantities	Total Solid Waste: 893 kg/day Bio-degradable Waste: 536 kg/day Non Bio-degradable Waste: 357 kg/day
13.		R.G. Area in sq.m.	RG required: 317.40 sq.m | RG Proposed: 401.62 sq.m
14.		Power requirement	Connected Load: 4328kW | Demand Load: 1858 kW
15.		D.G. set capacity	1 x 300KVA (Composite Building), 1 x 600 KVA (Sale Building)
16.		Parking 4W & 2W	Required 4-Wheeler Parking: 114 Nos. Proposed 4-Wheeler Parking: 137 Nos.
17.		Project Cost in (Cr.)	Rs. Cr. 1,050.00 Crs.
18.		EMP Cost	For Construction Phase :- Rs 89 lakhs For operation Phase :- 13 Lakhs
19.		CER Details	Rs 75 lakhs

Deliberation:-

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

During discussion following points emerged:

1. The architect certificate submitted is for total construction of 17427.07 Sq. Meter is carried out on site without EC .

2. PP to submit registered Architect's certificate giving chronology of construction at site. In support of the information in said certificate, the PP to submit (a) copies of Plans against which construction at site is carried out building-wise; (b) date(s) of C.C(s)., (c) date(s) of plinth completion building-wise; (d) date(s) of further C.C(s)/further revalidation etc

3. PP to submit SWD remarks from Municipal corporation.

Decision:-

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda for 134 th Meeting of SEAC-2

SEAC Meeting number: 134 **Meeting Date** June 8, 2020

Subject: Environment Clearance for Expansion of Existing Super specialty Hospital at Bharatratna Dr. Babasaheb Ambedkar Municipal General Hospital (Centenary Hospital) for M.C.G.M. at C.T.S. No 223,224 & 228 of Village Poisar at S.V. Road, Kandivali (West), Mumbai.

Is a Violation Case: No

1.Name of Project	Municipal Corporation of Greater Mumbai (MCGM)
2.Type of institution	Government
3.Name of Project Proponent	Municipal Corporation of Greater Mumbai (MCGM)
4.Name of Consultant	Mahabal Enviro Engineers Pvt. Ltd., Dr. D. A. Patil
5.Type of project	Expansion of Existing Hospital Building
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of Existing Hospital Building
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	EC Obtained vide Letter No. EC (BMC)-2009CR.78/TC-1 dated 01.02.2010
8.Location of the project	C.T.S. No 223,224 & 228 of Village Poisar at S.V.Road, Kandivali (W)
9.Taluka	Borivali
10.Village	Poisar
Correspondence Name:	Dr. P. S. Angre, Medical Superintendent, BDBA
Room Number:	Office of Medical Superintendent
Floor:	2nd floor
Building Name:	Bharatratna Dr. Babasaheb Ambedkar Municipal General Hospital (Centenary Hospital)
Road/Street Name:	Village Poisar at S.V.Road
Locality:	Kandivali (W)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	Concession report received
	IOD/IOA/Concession/Plan Approval Number: 1. MA. Approval No. CHE/MA/2192/I dt. 15.12.2017; 2. Concession report approved by M.C. No. MCP/2393 dt. 11.12.2017
	Approved Built-up Area: 62901.39
13.Note on the initiated work (If applicable)	No work started for proposed Expansion project
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	43,629.80 m2
16.Deductions	8,201.68 m2
17.Net Plot area	35,428.12 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 62,901.39 m2 (Existing : 21,012.65 m2; Proposed : 41,888.74 m2)
	b) Non FSI area (sq. m.): 17955.77 m2 (Existing : 9,032.39 m2; Proposed : 8,923.38 m2)
	c) Total BUA area (sq. m.): 80857.16
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 62901.39 m2
	Approved Non FSI area (sq. m.): 17955.77 m2
	Date of Approval: 15-12-2017
19.Total ground coverage (m2)	12898.36 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	36.4 %
21.Estimated cost of the project	3460000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Main Hospital Building (Existing)	B + G + 3 Floors	16.95
2	Cafeteria (Existing)	G + 1 Floor	10.05
3	CMO - MO Residence (Existing)	G + 1 Floor	6.4
4	Staff quarters (Existing)	G + 4 Floors	14.65
5	Waste managment shed (Existing)	Ground	3.00
6	Service yard (Existing)	Ground Floor	6.1
7	Super Specialty Hospital (Proposed)	2B + G +10 Floors	45.0
8	Residential Hostel (Proposed)	G +22 Floors	67.60
9	Dharamshala (Proposed)	Ground Floor	4.05
10	Post Mortem Building (Proposed)	G + 1 Floor	7.35
11	Service yard extention (Proposed)	Ground floor	6.10
12	Connecting bridge (part 2) (Proposed)	At 2nd Floor of Hospital building	-

23.Number of tenants and shops	Proposed: Hospital Beds: 324 Nos.; Residential Hostel: 224 Nos. ; Dharamshala: 30 Nos.; Post Mortem Building: 25 Nos.; Post Mortem Building Visitors: 50 Nos. (Existing: Hospital Beds: 300 Nos.; (Staff quarter, CMO-MO and Cafeteria)
24.Number of expected residents / users	Total: 6638 Nos. (Existing: 3795 Nos.; Proposed: 2843 Nos.)
25.Tenant density per hectare	-
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	27.45 m wide S. V. Road, 13.40 m wide Pravin Sanghvi Marg, 13.40 m wide DP Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Main Hospital Building , Cafeteria, CMO MO Residences, Staff Quarters , Connecting Bridge (Part 1), Waste management Shed , Service Yard
30.Details of the demolition with disposal (If applicable)	Part of service yard, compound wall, security cabin to be demolished. (Demolition quantity: 150 m3 approx.)

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):	325 KLD
	Recycled water - Flushing (CMD):	203 KLD
	Recycled water - Gardening (CMD):	45 KLD
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	528 KLD
	Fire fighting - Underground water tank(CMD):	As per NBC Norms
	Fire fighting - Overhead water tank(CMD):	As per NBC Norms
	Excess treated water	HVAC Make up: 242 KLD
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	325 KLD
	Recycled water - Flushing (CMD):	203 KLD
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	528 KLD
	Fire fighting - Underground water tank(CMD):	As per NBC Norms
	Fire fighting - Overhead water tank(CMD):	As per NBC Norms
	Excess treated water	HVAC Make up: 287 KLD
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:**	Ground water table at depth of 4-7 m
	Size and no of RWH tank(s) and Quantity:	-
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	7 Nos. of Recharge pits are proposed
	Size of recharge pits :	2.5 m each
	Budgetary allocation (Capital cost) :	Rs. 69.13 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 2.1 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 from East to West side
	Quantity of storm water:	The storm water generation 4,698.05 m3/hr
	Size of SWD:	600 x 450 mm; 450 x 450 mm internal SWD drains
Sewage and Waste water	**Sewage generation in KLD:**	495 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	500 KLD (Existing STP: 200 KLD; Proposed STP: 300 KLD); ETP of 10 KLD proposed
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	Rs. 163 Lakhs
	Budgetary allocation (O & M cost):	Rs. 12 Lakhs/year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 1516 m3 Excavation will be carried out for foundation n basement purpose.
	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:**	284 kg/day
	Wet waste:	428 kg/day
	Hazardous waste:	-
	Biomedical waste (If applicable):	Total: 6500 kg/month (Existing: 2800 kg/month)
	STP Sludge (Dry sludge):	5 kg/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be handed over to authorized recyclers
	Wet waste:	Wet garbage will be composted using Mechanical Composting unit and the manure will be used manure for landscaping.
	Hazardous waste:	-
	Biomedical waste (If applicable):	Biomedical waste will be disposed off to authorised agency according to the Biomedical Waste Management Rules, 2016.
	STP Sludge (Dry sludge):	Sludge will be used as manure for gardening
	Others if any:	-
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	20 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 20 Lakhs
	O & M cost:	Rs. 8 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: 8,857.03 m2 & RG area provided: 8958.84 m2
	No of trees to be cut :	Trees to be cut: 146 Nos. ; trees to be transplanted: 692 Nos.
	Number of trees to be planted :	225 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	Plumeria alba	white frangipani	9	It features fragrant white flowers with yellow centers
2	Plumeria rubra	-	5	-
3	Areca catechu	Betel Palm	20	-
4	Azadiracta indica	Neem	9	As medicinal value, Bird and insect attractive.
5	Bauhinia blackeana	Kanchan	18	Medium sized evergreen tree, fragrant flowers, Butterfly host plant
6	Callistemon viminalis	Bottle brush	11	plant that has been reported to have various medicinal values
7	Grevellia robusta	Silver Oak	9	Flowering Plant
8	Michelia champaca	Son Chapha	3	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
9	Mimusops elengi	Bakul	6	medium-sized evergreen tree
10	Polyalthia pendula	Ashok	53	Evergreen tree
11	Samanea saman	Rain tree	3	-
12	Roystonia regia	Bottle palm	2	-
13	Cordia cebastina	Scarlet cordia	16	Small flowering tree
14	Filicum decipiens	Fern Tree	6	It is a medium-sized, evergreen tree
15	Wodyetia bifurcata	Foxtail Palm	15	Fast growing tree
16	Millingtonia hortensis	Indian cork tree	6	Flower bearing tree
17	Peltophorum pheruginum	Peltophorum	2	It is a fast-growing evergreen tree with a dense, spreading, umbrella-shaped crown
18	Spathodia companulatta	yellow African tulip tree	2	A yellow-flowered cultivar
19	cascabela thevetia	Bitti	100	Ornamental tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	TATA Power Supply
	During Construction Phase: (Demand Load)	250 kVA
	DG set as Power back-up during construction phase	62.5 kVA
	During Operation phase (Connected load):	7.5 MW
	During Operation phase (Demand load):	5.5 MW
	Transformer:	6000 kVA (3 X 2000 kVA each)
	DG set as Power back-up during operation phase:	Existing 1 No. of 1010 KVA and Proposed 3 Nos. of 2000 KVA each + 1 No. of 200 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

-

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Total energy Saving	>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. 119 Lakhs
	O & M cost:	Rs. 6.5 Lakh/yr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	8
2	Site sanitation Facility and its maintenance	-	5
3	Potable Water Supply to Labour	-	5
4	Health Check-up & first aid	-	3

5	Solid waste management	-	3
6	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	8
7	Traffic Management (Sign Boards, Persons, at entry exit and Parking area)	-	5
8	Safety nets	-	10
9	Safety Training to Workers (Twice in Year), Safety Officer	-	3
10	Environmental Monitoring	(As per the CPCB guidelines through MoEF&CC Approved laboratories – Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	4

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	163	12
2	Solar System	Monthly	119	6.5
3	Rainwater harvesting	During rainy season (Cleaning of RWH tanks and Filtration chamber)	69.13	2.1
4	Solid Waste Composting plant	Continuous O & M	20	8
5	Landscape	Daily	90	0.9
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:	27.45 m wide S. V. Road, 13.40 m wide Pravin Sanghvi Marg
Parking details:	**Number and area of basement:**	Total Area of Basement: 12073.93 m2 (Existing: 5582.50 m2; Proposed: 6491.43 m2)
	Number and area of podia:	-
	Total Parking area:	12073.93 m2
	Area per car:	28.5 m2
	Area per car:	28.5 m2
	Number of 2-Wheelers as approved by competent authority:	34 Nos.
	Number of 4-Wheelers as approved by competent authority:	Parking Provided: 135 Nos.; Ambulance Parking: 06 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	-
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Manori Creek: 5 km & Sanjay Gandhi National Park: 3.5 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

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

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

Brief information of the project by SEAC

Introduction :-

Representative of PP was present during the meeting along with Environmental consultant M/s Mahabal Enviro Engineers pvt. ltd. The details of proposal are ,

1. Plot area : 42,629.80 m2
2. FSI : 62,901.39 m2
3. Non-FSI : 17,955.77 m2
4. Total BUA : 80,857.16 m2
5. Building Configuration:

Main Hospital Building: B + G + 3 Floors, Cafeteria: G + 1 Floor, CMO – MO RESIDENCE: G + 1 Floor, Staff Quarters: G + 4 Floors, Waste Management Shed: Ground Floor, Service Yard: Ground Floor, Super Specialty Hospital: 2B + G + 10 Floors, Residential Hostel: G + 22 Floors, Dharamshala: Ground Floor, Post Mortem Building: G + 1 Floor, Service Yard Extension (Proposed): Ground Floor, Waste Management Shed: Ground Floor, Connecting Bridge [part 2] (Proposed): At 2nd Floor of Hospital Building

6. Total Population : Total population: 6638 Nos.
7. Water Requirement: 528 KLD
8. Sewage Generation: 495 KLD
9. STP capacity & Technology: 2 STP's of total 500 KLD (275 KLD Existing and 225 KLD Proposed and 10 KLD ETP) capacity with MBBR technology
10. STP Location : Below ground with Aeration Tank open to sky
11. RG Required & Provided: RG Required: 8,857.03 m2 and RG provided: 8,958.84 m2
12. Energy Requirement: Demand Load- 5.5 MW
13. Energy Saving (total): Total Savings- By Solar- 6.5%
14. No. of DG Set and Capacity: 4 Nos., 1 x 1010 kVA, 3 x 2000 kVA + 1x 200 KVA
15. Biodegradable waste Generation: 427.2 kg/day (bio medical waste: 6,500 kg/month)
16. OWC Capacity: Total 500 kg/day
17. Parking: 4W provided: 150 Nos., 6 Ambulances and 2 trucks
18. EMP Cost: Capital Cost: 461.13 Lakh, O&M: 26.3 Lakh/yr.
19. Rainwater Harvesting: 7 recharge pits provided
20. Details of UG Tanks: UG Tanks are provided
21. CER: Project cost: Project cost: 346 Cr, CER to spend: Rs. 2.6 Crores

Deliberation:-

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

During discussion following points emerged:

1. PP to ensure that STP to be kept open minimum upto 40%.

2. The discharge of treated sewage to be reduced to 35% .

3. PP to adopt water conservation measures by providing Low Flow Devices (LFD) as plumbing fixtures.

4. PP to ensure that the energy savings from renewable sources shall be 6.5%.

5. PP to obtain PESO NOC for storage of Diesel for DG Set.

6. PP to submit monitoring results , copies of compliance reports submitted to Regional Office, MoEFCC along with observation of Regional Office.

7. PP to obtain NOC from Atomic Energy Board as the proposed hospital is Super speciality Hospital including installation of therapy machines involving radiation.

8. PP to ensure that RG on Mother earth should not be reduced.

9. PP may consider for construction of more floors on Dharamshal proposed so that the relatives, of the patients coming to Mumbai for treatment may get accommodation during the treatment.

10. 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.

Decision:-

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

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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