Agenda of 135th Meeting of State Level Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 135th -Day-2 ,Part-1 **Meeting Date** July 1, 2020

Subject: Environment Clearance for Proposed Amendment & Expansion of Residential cum Commercial Project with SRA Scheme at Kolekalyan, Santacruz (E), Mumbai.

Is a Violation Case: No

1.Name of Project	Residential cum Commercial project with SRA scheme.
2.Type of institution	Private
3.Name of Project Proponent	Rizvi Estates & Hotels Pvt. Ltd.
4.Name of Consultant	Mahabal Enviro Engg. Pvt. Ltd., Dr. D. A. Patil
5.Type of project	SRA scheme
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment & Expansion Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. EC received vide letter No. SEAC-2011/CR.760/TC.2 dated 23.01.2012
8.Location of the project	At Plot bearing CTS No. 6422, 6422/1 to 31, 6423, 6423/1 to 6, 6424-A, 6424-B, 6424-B/1 to 4, 6424-C, 6424-C/1 to 3, 6426, 6426/1 to 17, 6427, 6427/1 to 16, 6429-A, 6429-A/1 to 11, 7370, 7374, 7375, 7376-A, 7376-A/1 to 16, 7377, 7379, 7379/1 to 3, 7381, 7381/1 to 16, 7382, 7382/1 to 3, 7394, 7394/1 to 6, 7396, 7396/1 to 6, 7400, 7401, 7402, 7402/1 to 17, 7403-A, 7403A/1 to 47 ,7403B, 7403D , 7403D/1-20, 7408,7408/1 to 6, 7437,7437/1-53, 7438, 7438/1-7, 7440, 7440/1-14, 7441,7441/1-14, 7448, 7448/1-17, 7451, 7451/1 to 11, 7395, 7446A, 7446A/1-6, 7446B, 7447, 6425A, 6425A/1-9, 6425B, 6425B/1-6, 7449, 7449/1-4, 7450, 7450/1-12, 6421, 6421/1-20, 6428(pt.), 7364, 7383, 7383/1-3, 7384, 7401, 7401/1-16, 7403-A/48, 7404, 7405, 7406, 7407, 7409, 7409/1-10, 7412, 7412/1-2, 7413, 7413/1-4, 7414, 7428, 7428/1-12, 7430, 7430/1-9, 7431A-2-10, 7431B, 7432, 7432/1-5, 7433, 7433/1-10, 7435, 7436, 7436/1-6, 7442(pt.), 7443, 7445, 7445/1-2, 7452, 7453, 7453/1-6, 7454, 7454/1-6, 7455, 7455/1-8, 7456, 7456/1-13, 7457, 7458, 7458/1-11, 7459 & 7459/1-29 of village Kolekalyan, Santacruz (E), Mumbai.
9.Taluka	Andheri
10.Village	Kolekalyan
Correspondence Name:	Mr. Shahbaz Khan
Room Number:	-
Floor:	1st Floor
Building Name:	Rizvi House
Road/Street Name:	Hill Road
Locality:	Bandra (W)
City:	Mumbai - 400050
11.Whether in Corporation / Municipal / other area	Slum Rehabilitation Authority
12.IOD/IOA/Concession/Plan Approval Number	Rehab Bldg. A-1 IOD No. HE/PVT/0069/20070109/ AP 23.08.2017, Rehab Bldg. A-2 IOD No. SRA/ENG/3116/HE/PL/AP 24.08.2017, Rehab Bldg. A-3 IOD No. SRA/ENG/3023/ HE/PL/AP 04.09.2013, Rehab Bldg. A-4 IOD No. SRA/ENG/3104/ HE/PL/AP 29.05.2014, Rehab Bldg. A-5 IOD No. SRA/ENG/2777/ HE/PL/AP 20.07.2012, Rehab Bldg. A-6 IOD No. SRA/ENG/2929/ HE/PL/AP 08.11.2017, Rehab Bldg. A-7 IOD No. HE/PVT/0069/20070109/ AP 23.08.2017, Rehab Bldg. A-8 IOD No. HE/PVT/0069/20070109/ AP 23.08.2017, Rehab Bldg. A-9 IOD
	IOD/IOA/Concession/Plan Approval Number: REVISED LOI : SRA/ENG/1735/HE/PL/AP dated 05.08.2017.
	Approved Built-up Area: 84073.86
13.Note on the initiated work (If applicable)	As of today we have constructed 30306.44 m2 area
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	REVISED LOI : SRA/ENG/1735/HE/PL/AP dated 05.08.2017
15.Total Plot Area (sq. m.)	30008.23
16.Deductions	312.33
17.Net Plot area	27736.11

18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 57674.35 m2
	b) Non FSI area (sq. m.): 31612.66 m2
	c) Total BUA area (sq. m.): 89287.01
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 51672.35
	Approved Non FSI area (sq. m.): 29905.49
	Date of Approval: 05-08-2017
19.Total ground coverage (m2)	12795.32
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	43.36%
21.Estimated cost of the project	2201600000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab Building A-1	G+8	26.40
2	Rehab Building A-2	G+8	26.40
3	Rehab Building A-3	G+7	24.00
4	Rehab Building A-4	G+7	23.80
5	Rehab Building A-5	G+7	23.50
6	Rehab Building A-6	G+7	23.50
7	Rehab Building A-7	G+7	23.50
8	Rehab Building A-8	G+8	26.40
9	Rehab Building A-9	G+7	23.50
10	Rehab Building A-10	G+8	26.40
11	Rehab Building A-11	G+8	26.40
12	Rehab Building A-12	G+8	26.40
13	Sale Building S-1	1B+ St + 1 Flr.(Part Podium)+2nd to 9 Upper Flr.	29.30
14	Sale Building S-2	Pit+ St + 1 Flr.(Part Podium)+2nd to 9 Upper Flr.	29.30

23.Number of tenants and shops	Sale: Flats: 211 Nos, Res/ Comm: 10 No., Rehab: Flats: 836 Nos, Res/ Comm: 12 No., Comm: 86 Nos. PAP: 485 Nos. Amenities: 44
24.Number of expected residents / users	8140 Nos.
25.Tenant density per hectare	500 h/a
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project site is directly accessible by 13.40 m wide DP Road, 12.00 m wide Proposed Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m

29.Existing structure (s) if any	Yes, Slums
30.Details of the demolition with disposal (If applicable)	Slums will be demolished phase wise

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):	707
	Recycled water - Flushing (CMD):	357
	Recycled water - Gardening (CMD):	12
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1064
	Fire fighting - Underground water tank(CMD):	As per NBC norms
	Fire fighting - Overhead water tank(CMD):	As per NBC norms
	Excess treated water	614
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	522
	Recycled water - Flushing (CMD):	357
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1064
	Fire fighting - Underground water tank(CMD):	As per NBC norms
	Fire fighting - Overhead water tank(CMD):	As per NBC norms
	Excess treated water	626
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:**	3-4 m
	Size and no of RWH tank(s) and Quantity:	10 RWH Tanks with total 400 KL capacity
	Location of the RWH tank(s):	Below ground
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	Rs. 92 Lacs
	Budgetary allocation (O & M cost) :	Rs. 5 Lacs/Year
	Details of UGT tanks if any :	UG Tanks will be provided as per NBC norms on ground.
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	3181.67 m3/hr
	Size of SWD:	0.5 x 0.7 mm, 0.6 x 0.8 mm wide channels
Sewage and Waste water	**Sewage generation in KLD:**	993 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	Total 1100 KLD capacity
	Location & area of the STP:	On ground
	Budgetary allocation (Capital cost):	Rs. 200 Lacs
	Budgetary allocation (O & M cost):	Rs. 40 Lacs/year

36.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris: : 2593 m3
	Disposal of the construction waste debris:	The construction debris waste is disposed as per Construction debris and demolition waste management Rules, 2016
Waste generation in the operation Phase:	**Dry waste:**	1581 kg/d
	Wet waste:	2372 kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	10 KLD
	Others if any:	Household E-Waste generation

Mode of Disposal of waste:	**Dry waste:**	Dry garbage will be segregated & disposed off to recyclers
	Wet waste:	Wet garbage will be composted using mechanical composting technology and used as organic manure for landscaping.
	Hazardous waste:	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
	Area for the storage of waste & other material:	200 m2
	Area for machinery:	86 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 100 Lacs
	O & M cost:	Rs. 40 Lacs/year

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	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 :**	2444.43 m2
	No of trees to be cut :	01 Nos.
	Number of trees to be planted :	350 Nos.
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	Will be planted after completion of construction.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Shirish	Albizia Lebbeck	30	Shady tree, yellowish green fragrant flowers
2	Sita Ashok	Saraca Asoka	40	Shady tree with red-yellow flowers.
3	Satwin	Alstonia Scholaris	40	Shady Tree, white fragrant flowers
4	Apta	Bauhinia Racemosa	35	Small tree with small white flowers, Butterfly host plant
5	Pangara	Erythrina Indica	40	Medium sized deciduous tree. Bright scarlet flowers.
6	Fish tail palm	Caryota Urens	50	Tall evergreen tree
7	Palas	Butea Monosperma	35	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
8	Bahava	Cassia Fistula	40	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
9	Tamhan	Lagerstroemia Flos-Regineae	40	State flower tree of Maharashtra Medium sized tree, beautiful purple flowers
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	Reliance Energy
	During Construction Phase: (Demand Load)	250 kVA
	DG set as Power back-up during construction phase	250 kVA
	During Operation phase (Connected load):	7.9 MW
	During Operation phase (Demand load):	4.2 MW
	Transformer:	-
	DG set as Power back-up during operation phase:	Rehab: 450 kVA; Sale: 400 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Solar Hot Water system for Residential Building
Solar lighting in landscape , common area passages

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	• Natural shading through elevation features to minimize heat gain and reduce air-conditioning requirement • Use of low-e glass to reduce power requirement • Solar lighting in common areas, garden and road • Solar hot water for residential buildings • Energy efficient lighting fixtures (LED lights) to all buildings	>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. 675 Lacs
	O & M cost:	Rs. 34 lacs/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	5
2	Site sanitation and Potable Water Supply to Labour	-	10

3	Environmental Monitoring	-	5
4	Health check-up & first aid	-	5
5	Safety Personal Protective Equipment	-	12
6	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	(Sign Boards, Persons at entry exit and Parking area)	4
7	Safety nets	-	25
8	Storm water Management (SWD along plot boundary and Sedimentation Pits)	(SWD along plot boundary and Sedimentation Pits)	4
9	Tyre cleaning and Vehicle maintenance	-	3
10	Safety Training to Workers (Twice in Year), Safety Officer Disinfection	(Twice in Year),	7

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP	-	200	40
2	Solar System	-	675	34
3	RWH	-	92	5
4	Solid Waste Treatment Plant	-	100	40
5	Landscape	-	36	5
6	Environmental monitoring	-	-	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:**	1 Basement for building No. S1 - Pit for Building No. S2- Total Basement+Pit Area: 4170.56 m2
	Number and area of podia:	1 Part Podium for building No. S1 1 Part Podiums for Building No. S2 Total Podium Area: 730.46 m2
	Total Parking area:	4901.02
	Area per car:	12.47
	Area per car:	12.47
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	390 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	Min. 5.50 m.
	CRZ/ RRZ clearance obtain, if any:	No
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	No
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Yes; Suit no. M.A. 270/17 Green Tribunal, Pune.
	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

Environment Clearance for Proposed Amendment & Expansion of Residential cum Commercial Project with SRA Scheme at Plot bearing CTS No. 6422, 6422/1 to 31, 6423, 6423/1 to 6, 6424-A, 6424-B, 6424-B/1 to 4, 6424-C, 6424-C/1 to 3, 6426, 6426/1 to 17, 6427, 6427/1 to 16, 6429-A, 6429-A/1 to 11, 7370, 7374, 7375, 7376-A, 7376-A/1 to 16, 7377, 7379, 7379/1 to 3, 7381, 7381/1 to 16, 7382, 7382/1 to 3, 7394, 7394/1 to 6, 7396, 7396/1 to 6, 7400, 7401, 7402, 7402/1 to 17, 7403-A, 7403A/1 to 47 ,7403B, 7403D , 7403D/1-20, 7408,7408/1 to 6, 7437,7437/1-53, 7438, 7438/1-7, 7440, 7440/1-14, 7441,7441/1-14, 7448, 7448/1-17, 7451, 7451/1 to 11, 7395, 7446A, 7446A/1-6, 7446B, 7447, 6425A, 6425A/1-9, 6425B, 6425B/1-6, 7449, 7449/1-4, 7450, 7450/1-12, 6421, 6421/1-20, 6428(pt.), 7364, 7383, 7383/1-3, 7384, 7401, 7401/1-16, 7403-A/48, 7404, 7405, 7406, 7407, 7409, 7409/1-10, 7412, 7412/1-2, 7413, 7413/1-4, 7414, 7428, 7428/1-12, 7430, 7430/1-9, 7431A-2-10, 7431B, 7432, 7432/1-5, 7433, 7433/1-10, 7435, 7436, 7436/1-6, 7442(pt.), 7443, 7445, 7445/1-2, 7452, 7453, 7453/1-6, 7454, 7454/1-6, 7455, 7455/1-8, 7456, 7456/1-13, 7457, 7458, 7458/1-11, 7459 & 7459/1-29 of village Kolekalyan, Santacruz (E), Mumbai by Rizvi Estates & Hotels Pvt. Ltd.

Introduction :-

Representative of PP was present during the meeting along with Environmental consultant M/s Mahabal Enviro Engineers ltd. PP informed that, the details ofProject are -

1. Plot area : 30,008.23 m2
2. FSI : 57,674.35 m2
3. Non-FSI : 31,612.66 m2
4. Total BUA: 89,287.01 m2
5. Building Configuration:

Rehab Buildings: Bldg. A1, A2, A8, A10 to A12: G+8 floors, A3 to A7 and A9: G+7 floors

Sale Buildings: Bldg. 1: 1B+St+1 Floor (Pt Podium) + 2nd +9 Floor, Bldg. 2: Pit + S + 1 Floor (Pt Podium) + 2nd +9 Floor

6. Total Population: Total population: 8,140 Nos. (Rehab: (Flats) 836 Nos, R/C: 12 Nos., Commercial: 86 Nos., PAP: 485 Nos., Amenities: 44 Nos., Sale (Flats): 211 Nos and Sale (R/C): 10 Nos.)
7. Water Requirement: 1,064 KLD
8. Sewage Generation: 993 KLD
9. STP capacity & Technology: 5 STP's of total 1,100 KLD capacity with MBBR technology (300+375+275+95+55)
10. STP Location : On ground
11. RG Required & Provided: RG Required: 2,215.00 m2 and RG provided: 2,444 m2
12. Energy Requirement: Demand Load- 4.1 MW (Reliance)
13. Energy Saving (total): Total Savings- 22.8 % (By Solar- 16%)
14. No. of DG Set and Capacity: 450 kVA & 400 kVA
15. Biodegradable waste Generation: 2,372 kg/day
16. OWC Capacity: Total 2,650 kg/day
17. Parking: 4W provided: 390 Nos.
18. EMP Cost: Capital Cost: 1,103 Lakh, O&M: 124 Lakh/yr.
19. Rainwater Harvesting: 10 RWH tank with 400 KL total capacity
20. Details of UG Tanks: UG Tanks are provided
21. CER: Additional Investment wrt earlier EC: Rs. 145.16 Cr, CER to spend: Rs. 1.10 Crore (0.75% Brownfield)

Deliberation:-

The project was earlier discussed in 132nd meeting of SEAC -2 held on 20-21 May 2020 detailed information was sought from PP. The details provided by the pp are kept on record & the project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

In view of above project is deferred and will be considered afresh after compliance of above points.

Specific Conditions by SEAC:

1) 1. PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2) 2. PP to submit the total layout on the plot area for which he is seeking E.C. If the land area marked as phase III is not in his possession and not allotted to him for development, he to omit/deduct its area, if it already included by him in the plot area mentioned in the proposal; and also that he to submit revised boundary map of the plot accordingly. However if he has got development rights of land area shown under phase III and intends to include it, he to submit plan and potential of construction of this submitted to planning authority to ascertain total BUA coming on the plot against which he is seeking E.C.
3) 3. PP to carryout detailed survey so as to confirm the accessibility to the buildings can be confirmed.
4) 4. PP to submit the revise fire tender movement plan showing 6 meter clear driveway with 9 meter turning radius.
5) 5. PP to obtain Nalla remarks from MCGM as the proposed plot area is in flood prone zone.
6) 6. PP to submit synchronise drawing of storm drainage system considering Bremstowad & other reports if any for flood management. The report should specify the mitigation measure to combat with flood situation.
7) 7. PP to submit the plot superimposed on CZMP for assessment of applicability of CRZ notification or otherwise.
8) 8. PP to submit compliance with reference to every condition which was imposed on him while granting him earlier E.C. and which he is alleged to have not complied as per the complaint filed against him by a private person before the honourable NGT. PP to also update this Committee on Orders/ interim Orders passed by the honourable NGT from time to time in this case
9) 9. PP to submit certified compliance report of earlier EC from Regional office, MoEf, Nagpur.

FINAL RECOMMENDATION

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

Agenda of 135th Meeting of State Level Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 135th -Day-2 ,Part-1 **Meeting Date** July 1, 2020

Subject: Environment Clearance for Proposed Construction of 1560 EWS, under (PMAY), at CTS No. 1411, S No 27/2, Village Takai Taluka Khalapur, District Raigad

Is a Violation Case: No

1.Name of Project	Proposed Construction of 1560 EWS, under (PMAY), at CTS No. 1411, S No 27/2, Village Takai Taluka Khalapur, District Raigad
2.Type of institution	Private
3.Name of Project Proponent	Pushkar Gruhnirman LLP
4.Name of Consultant	Vardan Environet
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	CTS No. 1411, S No 27/2
9.Taluka	Khalapur
10.Village	Takai
Correspondence Name:	Pushkar Gruhnirman LLP
Room Number:	Shop No 3 & 4,
Floor:	Not Applicable
Building Name:	Shri Hare Krishna CHS Ltd,
Road/Street Name:	Plot No 12, Sector 5,
Locality:	New Panvel East
City:	Panvel
11.Whether in Corporation / Municipal / other area	Khopoli Municipal Council
12.IOD/IOA/Concession/Plan Approval Number	Under Process
	IOD/IOA/Concession/Plan Approval Number: Plan has been submitted for approval to Khopoli Municipal Council
	Approved Built-up Area: 00
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Under Process
15.Total Plot Area (sq. m.)	26570 m2
16.Deductions	Amenity Space - 1283.535 m2 & Open Space - 2438.716 m2
17.Net Plot area	22847.75 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 57094.667 m2
	b) Non FSI area (sq. m.): 30170.742 m2
	c) Total BUA area (sq. m.): 87265.409
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	7023.37 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	32%
21.Estimated cost of the project	2055000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	AHP Building 1 (Type 1)	S + 17	52.8
2	AHP Building 2 (Type 1)	S + 17	52.8
3	AHP Building 3 (Type 1)	S +17	52.8
4	AHP Building 4 (Type 1)	S +17	52.8
5	AHP Building 5 (Type 1)	S +17	52.8
6	AHP Building 6 (Type 1)	S +17	52.8
7	AHP Building 7 (Type 1)	S +17	52.8
8	AHP Building 8 (Type 1)	S +17	52.8
9	AHP Building 9 (Type 1)	S +17	52.8
10	AHP Building 1 (Type 2)	S + 6	20.9
11	Commercial Building	G + 3	15
12	School Building	G + 2	12

23.Number of tenants and shops	Total 1560 flats
24.Number of expected residents / users	Total No of Flats would be 1560 (5 person/flat) = 7800 tenants Commercial - 2182 person Amenity - 611 person
25.Tenant density per hectare	4016.18
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 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m
29.Existing structure (s) if any	Not Applicable
30.Details of the demolition with disposal (If applicable)	Not Applicable

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	Khopoli Municipal Council
	Fresh water (CMD):	746
	Recycled water - Flushing (CMD):	439
	Recycled water - Gardening (CMD):	18
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1203
	Fire fighting - Underground water tank(CMD):	5000
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	475
Wet season:	**Source of water**	Khopoli Municipal Council
	Fresh water (CMD):	746
	Recycled water - Flushing (CMD):	439
	Recycled water - Gardening (CMD):	18
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	1203
	Fire fighting - Underground water tank(CMD):	5000
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	475
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**	**Existing**	**Proposed**	**Total**
Domestic	Not applicable	746	746	Not applicable	Not applicable	Not applicable	Not applicable	596	Not applicable
Gardening	Not Applicable	18	18	Not Applicable	Not Applicable	Not Applicable	Not Applcable	Not Applicable	Not Applicable

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	15 - 20 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	Building 1 (Type 1), Building 8 (Type 1), Building 9 (Type 1) and Building 3 (Type 1)
	Quantity of recharge pits:	Proposed 4 no of RWH pits of volume 56.52 m3
	Size of recharge pits :	56.52 m3
	Budgetary allocation (Capital cost) :	10 Lacs
	Budgetary allocation (O & M cost) :	1 Lacs
	Details of UGT tanks if any :	7 no of UGT Tanks are proposed for Domestic Purpose
35.Storm water drainage	**Natural water drainage pattern:**	Drainage pattern of site is towards North West i.e. towards Patalganga River
	Quantity of storm water:	26133.22 m3/Year
	Size of SWD:	600 mm
Sewage and Waste water	**Sewage generation in KLD:**	1035
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 no of 1.2 MLD STP
	Location & area of the STP:	Natural Drainage System will be utilized and STP shall be located in North West Boundary of the project
	Budgetary allocation (Capital cost):	80 Lacs
	Budgetary allocation (O & M cost):	15 Lacs/annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	3976.62 kg/day
	Disposal of the construction waste debris:	The construction waste shall be reused within the site for leveling, construction of internal roads etc
Waste generation in the operation Phase:	**Dry waste:**	1590.648 kg/day
	Wet waste:	2385.972 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Sludge generated shall be reused for gardening purposed
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	It shall be taken up by Khopoli Municipal Council for final disposal
	Wet waste:	This shall be treated in Organic Waste Converter
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Reused as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	As shown in layout
	Area for the storage of waste & other material:	500 sq m
	Area for machinery:	considered as above
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	20 lacs
	O & M cost:	4 lacs/annum

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	Not applicable	6.5 - 8.5	6.5 - 8.5	6.5 - 8.5
2	BOD	mg/l	200 - 350	<10	<10
3	COD	mg/l	500 - 600	<60	<60
4	TSS	mg/l	150 - 300	<10	<10

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	100 KVA D G Set	HSD	1	2	As per standards	As per DG specification
2	100 KVA D G Set	HSD	1	2	As per standards	As per DG specification
3	100 KVA D G Set	HSD	1	2	As per standards	As per DG specification

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 :**	3720.67 m2
	No of trees to be cut :	Not Applicable
	Number of trees to be planted :	357 trees
	List of proposed native trees :	Mangifera indica, Albizia lebbeck, Bismarkia nobilist, Azadirachta indica, Magnolia champaca, Saraca indica, Cocos nucifera
	Timeline for completion of plantation :	At the time of completion of project

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadirachta indica	Neem	20	Neem leaves are dried in India and placed in cupboards to prevent insects eating the clothes, and also in tins where rice is stored. Also used as ayurvedic herb, neem is also used in baths.
2	Saraca indica	Ashoka	5	Fragrant flowers are orange or orange yellow in colour. Fruit is a four to eight seeded, flat and black coloured, leathery pod. The pod is dehiscent, woody, and tapering at both ends
3	Magnolia champaca	Champa	10	Flowering plant
4	Mangifera indica	Mango Tree	15	Seasonal & edible fruits, provides shade
5	Albizia lebbeck	Shirish	3	Provides shading, flowers used for decoration purpose
6	Cocos nucifera	Coconut	5	The coconut palm is grown throughout the tropics for decoration, as well as for its many culinary and nonculinary uses; virtually every part of the coconut palm can be used by humans in some manner and has significant economic value
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	-
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	13251 KVA
	During Operation phase (Demand load):	2800 KVA
	Transformer:	-
	DG set as Power back-up during operation phase:	3 X 100 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not Applicable

48.Energy saving by non-conventional method:

Total Power requirement is 2800 KVA, by using energy efficient LED lights in common areas, LED Street lights & Solar LED street lights approx. 2% of overall energy will be conserved.
Further 8% energy will be conserved by using centralized solar water heater. Hence effective saving will be 10% overall.
Power with Elect geyser = 2800 KVA & use of Solar Water Heater & limited use of Geyser will be 2580 KVA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	LED & Solar Street Lights	2%
2	Centralized Solar Water Heaters	8%

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Domestic Waste Water	Not Applicable	Sewage Treatment Plant
Municipal Solid Waste	Not Applicable	Organic Waste Converter
Dust due to transportation	Not Applicable	Greenbelt Development & Dust Suppression

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	250.99 Lacs
	O & M cost:	20 Lacs

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air Pollution	Dust Suppression	5
2	Waste Water Generation	Mobile STP	10

3	Land	Site Sanitation	4
4	Socio Economic Environment	First Aid Facilities Health Check Up Creches For Children Personal Protective Equipment	3
5	Environmental Monitoring	Air, Noise, Water & Soil Test	2

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage	Sewage Treatment Plant	80.00	15.00
2	Storm Water	Rainwater Harvesting Pits	10.00	1
3	Solid Waste Management	Organic Waste Converter	20	4
4	Energy	Energy Conservation	250.99	20
5	Environmental Monitoring	Air, Water, Soil, Noise etc	-	9

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	one entry and one exit

Parking details:	**Number and area of basement:**	None
	Number and area of podia:	None
	Total Parking area:	8537 m2
	Area per car:	100 sq m for 3 cars
	Area per car:	100 sq m for 3 cars
	Number of 2-Wheelers as approved by competent authority:	2106 Scooters and 2106 Bi-cycles
	Number of 4-Wheelers as approved by competent authority:	26 Cars
	Public Transport:	Bus
	Width of all Internal roads (m):	6 m and 12 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(b), Building Construction Project
	Court cases pending if any	Not Applicable
	Other Relevant Informations	None
	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 Clearance for Proposed Construction of 1560 EWS, under (PMAY), at CTS No. 1411, S No 27/2, Village Takai Taluka Khalapur, District Raigad by Pushkar Gruhnirman LLP.

PP submitted letter of absence hence matter is deferred.

DECISION OF SEAC

PP submitted letter of absence hence matter is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 135th Meeting of State Level Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 135th -Day-2 ,Part-1 **Meeting Date** July 1, 2020

Subject: Environment Clearance for Expansion of SRA project

Is a Violation Case: No

1.Name of Project	Proposed SRA project Mulund Ashirwad CHS Ltd. and Mulund Siddhart Nagar CHS Ltd.on plot bearing CTS No. 755 (pt.) at village Mulund, R.P. road, Mulund (West), Mumbai.
2.Type of institution	Private
3.Name of Project Proponent	Riddhi Siddhi Corporation
4.Name of Consultant	Enviro Analysts and Engineers Pvt. Ltd.
5.Type of project	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	Expansion project. Prior EC obtained (SEAC-2013/CR-340/TC-I)
8.Location of the project	Plot bearing CTS no. 755 (pt.) of village Mulund at R.P. Road, Mulund (W), Mumbai
9.Taluka	Kurla
10.Village	Mulund
Correspondence Name:	Riddhi Siddhi Corporation
Room Number:	1/3
Floor:	-
Building Name:	Krishnai Unnat Nagar no. 1
Road/Street Name:	M. G. Road
Locality:	Near Gajanan Temple
City:	Goregaon (West)
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	IOA under Sub regulation 2.3 of Appendix-IV od D.C.R. No. 33(10) Dt. 15.10.97 for Brihanmumbai.
	IOD/IOA/Concession/Plan Approval Number: IOA No. SRA/ENG/2649/T/MHL/AP dated 04/07/2011
	Approved Built-up Area: 30331.095
13.Note on the initiated work (If applicable)	Rehab building 1: 20 floors, Rehab building 2: 21 floors and Sale building: basement level
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI from Slum Rehabilitation Authority. No.: SRA/ENG/1653/T/MHL/LOI dated: 14/02/2017
15.Total Plot Area (sq. m.)	7860.00 sq. m
16.Deductions	1295.07 sq. m
17.Net Plot area	6564.93 sq. m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 39712.41
	b) Non FSI area (sq. m.): 60242.28
	c) Total BUA area (sq. m.): 99954.69
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)	2321.50
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	29.53
21.Estimated cost of the project	3265000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Rehab building 1	Basement + Gr+ 24	69.90
2	Rehab building 2	Basement + Gr + 23	67.41
3	Sale building (Wing A)	Basement + Stilt + 23	69.90
4	Sale building (Wing B)	Basement + Stilt + 23	69.90
5	Sale building (Wing C)	Basement + Stilt + 23	69.90
6	Sale building (Wing D)	Basement + Stilt + 23	69.90
7	Sale building (Wing E)	Basement + Stilt + 23	69.90
8	Sale building (Wing F)	Basement + Stilt + 23	69.90

23.Number of tenants and shops	Tenements: 1174 Shops: 15
24.Number of expected residents / users	6580
25.Tenant density per hectare	Rehab: 640 Sale: 672
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9m wide Gaikwad Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m
29.Existing structure (s) if any	Construction of Rehab building 1: 20 floors, Rehab building 2: 21 floors and Sale building: basement level is completed as per earlier EC.
30.Details of the demolition with disposal (If applicable)	Existing slums were demolished; suitable demolition waste used for land-filling at site and the rest disposed at 'Kanjur Dumping Ground' as per Debris Management Plan.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM
	Fresh water (CMD):	539
	Recycled water - Flushing (CMD):	274
	Recycled water - Gardening (CMD):	5
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	818
	Fire fighting - Underground water tank(CMD):	650
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	404
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	395
	Recycled water - Flushing (CMD):	274
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	669
	Fire fighting - Underground water tank(CMD):	650
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	409
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:**	1.5 m below Ground Level
	Size and no of RWH tank(s) and Quantity:	3 RWH tanks of capacity 20 m3, 38 m3 and 86 m3
	Location of the RWH tank(s):	Below Ground Level
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	21 Lacs
	Budgetary allocation (O & M cost) :	1 Lacs/year
	Details of UGT tanks if any :	Domestic water tank, Flushing tank, RWH tank, Fire fighting tanks are provided underground
35.Storm water drainage	**Natural water drainage pattern:**	-
	Quantity of storm water:	Rehab 1: 65.95 lps, Rehab 2: 65.95 lps, and for Sale building: 167.31 lps
	Size of SWD:	For Rehab 1: 450mm X 450mm, For Rehab 2: 450mm X 450mm, For Sale Building: 450mm X 600mm
Sewage and Waste water	**Sewage generation in KLD:**	698
	STP technology:	MBBR
	Capacity of STP (CMD):	2 STPs Capacity of STP for Rehab 1 & 2 = 240 KLD, Cpacity of STP for Sale Building: 408 KLD
	Location & area of the STP:	Location : Underground
	Budgetary allocation (Capital cost):	80 Lacs
	Budgetary allocation (O & M cost):	13 Lacs/ Year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	1416 cum excavation is done for basement during construction phase.
	Disposal of the construction waste debris:	Excavated waste is used for the earth filling area between rail line and NH-348A.
Waste generation in the operation Phase:	**Dry waste:**	1184 kg/day
	Wet waste:	1775 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	35 m3
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Will be handed over to Local Recyclers for recycling.
	Wet waste:	Will be processed in the OWC and the manure so obtained shall be used for landscaping /gardening.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Will be treated in OWC with wet waste and used as manure
	Others if any:	NA
Area requirement:	**Location(s):**	Basement
	Area for the storage of waste & other material:	11.0 Sq m
	Area for machinery:	2.5 Sq m
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	40 Lacs
	O & M cost:	10 Lacs/ Year

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	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 :**	1361.254 sq. m
	No of trees to be cut :	Nil
	Number of trees to be planted :	152
	List of proposed native trees :	Shirish, Neem, Maharukh, Nandruk, Karanj, Satwin, Sita Ashok, Katesavar, Kadamb, Bahava
	Timeline for completion of plantation :	At the time of completion of project.

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Albizia lebbeck	Shirish	10	-
2	Azadiracta indica	Neem	7	-
3	Ailanthus excelsa	Maharukh	13	-
4	Ficus retusa	Nandruk	17	-
5	Pongamia pinnata	Karanj	15	-
6	Alstonia scholaris	Satwin	15	-
7	Saraca asoka	Sita Ashok	28	-
8	Bombax ceiba	Katesavar	15	-
9	Anthocephallus cadamba	Kadamb	12	-
10	Cassia fistula	Bahava	20	-
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 :**	M.S.E.D.C.L.
	During Construction Phase: (Demand Load)	-
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	2884 kW
	During Operation phase (Demand load):	1929 kW
	Transformer:	-
	DG set as Power back-up during operation phase:	-
	Fuel used:	-
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

CFL Lights
T5 Fitting
LED Lights
Timer for External lighting

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Overall Energy Savings	18.48 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	25 Lacs
	O & M cost:	1 Lacs/Year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water	Water for Dust Suppression	0.5
2	Site Sanitation & Safety	Site Sanitation & Safety	3.36
3	Environmental Monitoring	For Air, Noise and Water	0.75
4	Disinfection	Disinfection	1.80

5	Health Check up	Health Check up	1.68

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	Rain Water Harvesting	21	1
2	Solid Waste Management	Solid Waste Management	40	10
3	Sewage Treatment Plant	Sewage Treatment Plant	80	13
4	Energy	Energy	25	1
5	landscaping	Landscaping	8	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:	4 nos
Parking details:	**Number and area of basement:**	1 Basement, Area: 2929.33 Sq .m
	Number and area of podia:	-
	Total Parking area:	3082.33
	Area per car:	27.04
	Area per car:	27.04
	Number of 2-Wheelers as approved by competent authority:	15
	Number of 4-Wheelers as approved by competent authority:	114
	Public Transport:	NA
	Width of all Internal roads (m):	6 m

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	2 Km Sanjay Gandhi National Park.
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

Environment Clearance for Expansion of Proposed SRA project at plot bearing CTS No. 755 (pt.) at village Mulund, R.P. road, Mulund (West), Mumbai by Riddhi Siddhi Corporation.

PP submitted letter of absence hence matter is deferred.

DECISION OF SEAC

PP submitted letter of absence hence matter is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 135th Meeting of State Level Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 135th -Day-2 ,Part-1 **Meeting Date** July 1, 2020

Subject: Environment Clearance for Environment Clearance for proposed development of IITT comprising of IT & Commercial Buildings, School Building, Residential Buildings, Membership Club and other miscellaneous structures on Plot No 4 in TTC Industrial Area, MIDC, Ghansoli, Navi Mumbai

Is a Violation Case: No

1.Name of Project	Proposed development of IITT comprising of IT & Commercial Buildings, School Building, Residential Buildings, Membership Club and other miscellaneous structures on Plot No 4 in TTC Industrial Area, MIDC, Ghansoli, Navi Mumbai
2.Type of institution	TOR
3.Name of Project Proponent	M/S. Standard Industries Limited
4.Name of Consultant	M/S. Enviro Analysts & Engineers Pvt. Ltd.
5.Type of project	Integrated Information Technology Township (IITT)
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	On plot no 4 in TTC Industrial Area, MIDC, Ghansoli, Navi Mumbai
9.Taluka	Thane
10.Village	Ghansoli
Correspondence Name:	Mr. Nikhil Mehta
Room Number:	Plot No C-30, Block G, Opposite SIDBI
Floor:	6th
Building Name:	Raheja Towers
Road/Street Name:	Bandra Kurla Complex
Locality:	Bandra East
City:	Mumbai - 400051
11.Whether in Corporation / Municipal / other area	Maharashtra Industrial Development Corporation (MIDC)
12.IOD/IOA/Concession/Plan Approval Number	Application done to MIDC vide letter dated 15-01-2019
	IOD/IOA/Concession/Plan Approval Number: Application done to MIDC vide letter dated 15-01-2019
	Approved Built-up Area: 0.00
13.Note on the initiated work (If applicable)	Nil
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Application done to MIDC vide letter dated 15-01-2019
15.Total Plot Area (sq. m.)	251934.31 Sq.m.
16.Deductions	0.00
17.Net Plot area	251934.31 Sq.m.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 251934.31
	b) Non FSI area (sq. m.): 275575.10
	c) Total BUA area (sq. m.): 527509.41
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 0.00
	Approved Non FSI area (sq. m.): 0.00
	Date of Approval: 01-06-2019
19.Total ground coverage (m2)	79060.54 Sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.38 %
21.Estimated cost of the project	24400000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	IT Building No. 1	2 Basement + Ground +7 Podium + 14 Office Floors	95.80
2	IT Building No. 2 (with commercial building above)	2 Basement + Ground +7 Podium + 14 Office floors + 11 floor of Commercial	142.00
3	IT Building No. 3, 4, 5, 6 & 7	1 Basement + Ground + 1 Podium + 2 Office Floors	16.00
4	School	Basement 1 + Ground + 3 Floors	13.80
5	Membership Club	Basement 1 + Ground + 2 Floors	10.50
6	Residential Tower 1, 2, 3, 4, 5 & 6	2 Basement + Ground + 3 Podium + 30 Floors	109.20
7	Residential Tower 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 & 19	1 Basement + Ground + 4 Floors	13.20

23.Number of tenants and shops	IT & Commercial Buildings (FSI Area): 1,70,902 Sq.m. School: 1 no. Membership Club: 1 no. Residential Tenements: 1,302 nos.
24.Number of expected residents / users	IT & Commercial Buildings: 17,091 nos. , School of students: 2,530 nos., Residential: 5,124 nos., Floating Population: 2,474 nos. ,Total population: nos. 27,219 nos.
25.Tenant density per hectare	52 tenants 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)	Existing 45.0 m wide Thane Belapur road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.0 m (minimum)
29.Existing structure (s) if any	Yes. Existing industrial structures on site.
30.Details of the demolition with disposal (If applicable)	Existing structures on site which will be demolished as per C&D rule 2016.

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MIDC/ Recycled water from STP
	Fresh water (CMD):	964
	Recycled water - Flushing (CMD):	648
	Recycled water - Gardening (CMD):	266
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1878
	Fire fighting - Underground water tank(CMD):	5200
	Fire fighting - Overhead water tank(CMD):	340
	Excess treated water	0
Wet season:	**Source of water**	MIDC/ Recycled water from STP/RWH
	Fresh water (CMD):	964
	Recycled water - Flushing (CMD):	648
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	1612
	Fire fighting - Underground water tank(CMD):	5200
	Fire fighting - Overhead water tank(CMD):	340
	Excess treated water	0
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:**	As per recorded in soil investigation study.
	Size and no of RWH tank(s) and Quantity:	Total Capacity of RWH Tanks: 1925 Cum.
	Location of the RWH tank(s):	Will be Studied at the time of EIA
	Quantity of recharge pits:	Not Applicable
	Size of recharge pits :	Not Applicable
	Budgetary allocation (Capital cost) :	Will be Studied at the time of EIA
	Budgetary allocation (O & M cost) :	Will be Studied at the time of EIA
	Details of UGT tanks if any :	Domestic tank Capacity: 964 Cum. Flushing tank Capacity: 648 Cum. Fire UG tank Capacity: 5200 Cum.
35.Storm water drainage	**Natural water drainage pattern:**	East to West
	Quantity of storm water:	1.61 Cum./s
	Size of SWD:	Width: 0.9 m, Depth: 0.9 m
Sewage and Waste water	**Sewage generation in KLD:**	1612
	STP technology:	MBBR
	Capacity of STP (CMD):	Total STP capacity: 1530 Cum.
	Location & area of the STP:	Will be Studied at the time of EIA
	Budgetary allocation (Capital cost):	Will be Studied at the time of EIA
	Budgetary allocation (O & M cost):	Will be Studied at the time of EIA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Will be Studied at the time of EIA
	Disposal of the construction waste debris:	Will be Studied at the time of EIA
Waste generation in the operation Phase:	**Dry waste:**	3276 kg/day
	Wet waste:	3205 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	77 Kg/day
	Others if any:	E-waste shall be handed over to MPCB authorized dealers

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:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Dry sludge will be used as manure
	Others if any:	E-waste shall be handed over to MPCB authorized dealers
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	3 nos. of machines proposed
	Area for machinery:	5 Sq.m. per machine
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Will be Studied at the time of EIA
	O & M cost:	Will be Studied at the time of EIA

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: 38,029.98 Sq.m. & Amenity Area: 12,605.37 Sq.m.
	No of trees to be cut :	Will be Studied at the time of EIA
	Number of trees to be planted :	Will be Studied at the time of EIA
	List of proposed native trees :	Will be Studied at the time of EIA
	Timeline for completion of plantation :	Will be Studied at the time of EIA

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

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

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

Serial Number	Name	C/C Distance	Area m2
1	Will be Studied at the time of EIA	Will be Studied at the time of EIA	Will be Studied at the time of EIA

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	200 kW
	DG set as Power back-up during construction phase	150 kVA
	During Operation phase (Connected load):	55,564 kW
	During Operation phase (Demand load):	35,748 kW
	Transformer:	As per MSEDCL norms
	DG set as Power back-up during operation phase:	17 nos. 900 kVA, 3 nos. of 900 KVA, 1 no. of 500 kVA, 1 no. of 750 kVA, 1 no. of 2000 kVA, 1 no. of 1000 kVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Yes

48.Energy saving by non-conventional method:

- Use of solar PV Panels
- Use of LED lights instead of T8 florescent light.
- Use of VFDs
- Use of High efficient motors and pumps

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Will be Studied at the time of EIA	Will be Studied at the time of EIA

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Will be Studied at the time of EIA
	O & M cost:	Will be Studied at the time of EIA

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Will be Studied at the time of EIA	Will be Studied at the time of EIA	Will be Studied at the time of EIA

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Will be Studied at the time of EIA	Will be Studied at the time of EIA	Will be Studied at the time of EIA	Will be Studied at the time of EIA

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	2 nos. of entry/Exit from the service road of Thane Belapur road

Parking details:	**Number and area of basement:**	2 nos. of basements in IT Building 1 & 2, residential tower 1 to 6 respectively. 1 basement in IT Building 3 to 7, School & Membership Club respectively. Total Area of basement: 63,819 Sq.m.
	Number and area of podia:	7 Podiums in IT Buildings 1 & 2, 1 Podium in IT Buildings 3 to 7, 3 Podiums in residential towers 1 to 6. Total Podium Area: 1,10,573 Sq.m.
	Total Parking area:	1,74,392 Sq.m.
	Area per car:	40 Sq.m.
	Area per car:	40 Sq.m.
	Number of 2-Wheelers as approved by competent authority:	390 nos.
	Number of 4-Wheelers as approved by competent authority:	4258 nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	More than 9.00 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	-
	Category as per schedule of EIA Notification sheet	8 (b) Category 'B1'
	Court cases pending if any	No
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Environment Clearance for proposed development of IITT comprising of IT &Commercial Buildings, School Building, Residential Buildings, Membership Club and other miscellaneous structures on Plot No 4 in TTC Industrial Area, MIDC, Ghansoli, Navi Mumbai by M/S. Standard Industries Limited

PP submitted letter of absence hence matter is deferred.

DECISION OF SEAC

PP submitted letter of absence hence matter is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 135th Meeting of State Level Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 135th -Day-2 ,Part-1 **Meeting Date** July 1, 2020

Subject: Environment Clearance for Municipal Solid Waste Processing and Disposal facility at Village Manda, Titwala-West in KDMC

Is a Violation Case: No

1.Name of Project	Common Municipal Solid Waste Management Facility (CMSWMF) at Sector 7 reservation No 1 Manda Titwala Kalyan west
2.Type of institution	Government
3.Name of Project Proponent	Kalyan Dombivli Municipal Corporation-
4.Name of Consultant	IRG Systems South Asia Pvt. Ltd.
5.Type of project	Common Municipal Solid Waste Management Facility (CMSWMF) Waste Processing and Disposal facility at Village Manda, Titwala- West in KDMC
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	Survey No. 177/192/231
9.Taluka	Kalyan
10.Village	Manda
Correspondence Name:	Deputy Municipal Commissioner
Room Number:	Kalyan Dombivil Municipal Corporation
Floor:	Shankarrao Chowk
Building Name:	NA
Road/Street Name:	NA
Locality:	NA
City:	Kalyan
11.Whether in Corporation / Municipal / other area	Kalyan Dombivali Municipal Corporation
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Plan will be send to Planning authority KDMC as per MRTP act 1966 Clause 58
	IOD/IOA/Concession/Plan Approval Number: NA
	Approved Built-up Area:
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.)	1,00,700.0 m2
16.Deductions	NA
17.Net Plot area	32,000.0 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** NA
	b) Non FSI area (sq. m.): NA
	c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** NA
	Approved Non FSI area (sq. m.): NA
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	32000 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	31.77%
21.Estimated cost of the project	216300000

22.Number of buildings & its configuration

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

23.Number of tenants and shops	NA
24.Number of expected residents / users	NA
25.Tenant density per hectare	NA
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	NA
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	NA
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	Compost	NA	18 % of total waste quantity	18 % of total waste quantity
2	RDF	NA	20 % of total waste quantity	20 % of total waste quantity

32.Total Water Requirement

Dry season:	**Source of water**	KDMC/ Tanker
	Fresh water (CMD):	6.0 m3/day
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	10.0 m3/day
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	73.9 m3/day
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	NA
Wet season:	**Source of water**	KDMC/ Tanker
	Fresh water (CMD):	6.0 m3/day
	Recycled water - Flushing (CMD):	NA
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	63.9 m3/day
	Fire fighting - Underground water tank(CMD):	NA
	Fire fighting - Overhead water tank(CMD):	NA
	Excess treated water	10.0 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**
Industrial Process	NA	NA	NA	NA	NA	NA	NA	NA	NA

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	7.5 m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	2 tanks of 50000 liters
35.Storm water drainage	**Natural water drainage pattern:**	As per gravity
	Quantity of storm water:	0.930 Cum/Sec
	Size of SWD:	NA
Sewage and Waste water	**Sewage generation in KLD:**	4.0 m3/day
	STP technology:	NA
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	10 Kg/day from labour activity.
	Disposal of the construction waste debris:	Will be Utilized in low-land leveling & base preparation of internal roads. Some quantity of Excavation soil will be use for backfilling and remaining will be hand over to authorize vendor.
Waste generation in the operation Phase:	**Dry waste:**	10 Kg/day
	Wet waste:	5 Kg/day
	Hazardous waste:	Spent oil or oil grease for DG sets, paints etc.
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be disposed off at site itself.
	Wet waste:	Wet waste will be disposed off at site itself.
	Hazardous waste:	Handed over to authorized Vendor/Recycler
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	**Location(s):**	On site disposal Facility
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	NA
	O & M cost:	NA

37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	-	5.8	7.2	5.5 - 9.0
2	Dissolved solids	mg/l	3500	2000	2100
3	COD	mg/l	1700	-	-

Amount of effluent generation (CMD):	15 m3/Day
Capacity of the ETP:	20 m3/Day
Amount of treated effluent recycled :	100 % recycled
Amount of water send to the CETP:	NA
Membership of CETP (if require):	NA
Note on ETP technology to be used	It is physio-chemical treatment with extended aeration and biological treatment with pressure sand filter and activated carbon filter as tertiary treatment .
Disposal of the ETP sludge	Captive landfill

38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/spent oil	5.1	Liters	NA	15 liters	15 liters	Will be handed over to Authorized Recycler

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 Stack	High speed diesel	1	10 m	0.3	125°C

40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	High speed diesel	Not applicable	NA	Will be required only in case of power failure

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

43.Green Belt Development	**Total RG area :**	9033 m2
	No of trees to be cut :	Phoenix sp. (Palm), Ziziphus sp. (shrub), grasses are sparsely present which will be cleared for proposed development of CMSWMF.
	Number of trees to be planted :	9000
	List of proposed native trees :	Selection of locally adopted non-edible perennial plants
	Timeline for completion of plantation :	before the commencement of the operation 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	Actinodaphne angustifolia	Pisa	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
2	Adina cordifolia	Haldu	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
3	Adina cordifolia	Haldu	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
4	Albizia lebbeck	Siris Tree	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
5	Bauhinia semla	Semla	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
6	Bauhinia varcgata	Kanchan	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
7	Butea monosperma	Flame of the forest	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
8	Dalbergia sisoo	Sissoo	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
9	Dryptes roxburghii	Putranjiva	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures

10	Garcinia indica Chois	Kokam	90	Locally adopted non-edible perennial plants that are resistant to drought and extreme temperatures
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	Ziziphus sp.	1	3011

47.Energy

Power requirement:	**Source of power supply :**	M.S.E.D.C.L.
	During Construction Phase: (Demand Load)	15 KVA
	DG set as Power back-up during construction phase	125 KVA
	During Operation phase (Connected load):	NA
	During Operation phase (Demand load):	250 KVA
	Transformer:	NA
	DG set as Power back-up during operation phase:	125 KVA
	Fuel used:	High Speed Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

NA

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	NA	NA

50.Details of pollution control Systems

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

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

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	Dust control	1.0
2	Site Sanitation, Safety & Disinfection	Workers Health	2.0
3	Environmental Monitoring	Air, Water, Soil, Noise sampling & testing	4.0
4	Occupational Health	Health Check up	3.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Lechate Treatment Plant	Waste water treatment	15.0	4.0
2	Odour Control	Odour supression	5.0	-
3	Landscape	Tree plantation & gardening	15.0	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:	Not Applicable

Parking details:	**Number and area of basement:**	Not Applicable
	Number and area of podia:	Not Applicable
	Total Parking area:	Not Applicable
	Area per car:	Not Applicable
	Area per car:	Not Applicable
	Number of 2-Wheelers as approved by competent authority:	Not Applicable
	Number of 4-Wheelers as approved by competent authority:	Not Applicable
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Not Applicable
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Nil in 10 Km Area
	Category as per schedule of EIA Notification sheet	7 (i) Common Municipal Solid Waste Management Facility (CMSWMF)
	Court cases pending if any	Not Applicable
	Other Relevant Informations	Not Applicable
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

Environment Clearance for Municipal Solid Waste Processing and Disposal facility at Survey No. 177/192/231 Village Manda, Titwala West , Taluka Kalyan , Dist. Thane by KDMC.

Committee observed that this is the proposal of processing of Municipal Solid Waste .The proposal is related to SEAC-1 & wrongly placed on SEAC-2 dashboard. Therefore, committee decided to refer the proposal to SEIAA for further necessary action.

DECISION OF SEAC

Committee observed that this is the proposal of processing of Municipal Solid Waste .The proposal is related to SEAC-1 & wrongly placed on SEAC-2 dashboard. Therefore, committee decided to refer the proposal to SEIAA for further necessary action.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

Kindly find SEAC decision above.

Agenda of 135th Meeting of State Level Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 135th -Day-2 ,Part-1 **Meeting Date** July 1, 2020

Subject: Environment Clearance for Extension of Earlier Obtained EC for proposed S. R. A. Scheme at Plot bearing C. T. S. no. 510, 510/1 to 8, 1, 1/1 to 16, 514, 514/1 to 518 A/2, 561 & 561/1 to 14 of Village at Kanheri, Taluka – Borivali, Borivali (East), Mumbai – 400 066, known as "Sangarsh CHS".

Is a Violation Case: No

1.Name of Project	Residential building known as "Sangarsh CHS"
2.Type of institution	Private
3.Name of Project Proponent	M/s. KMC Developers
4.Name of Consultant	AQURA Enviro Projects Pvt. Ltd.
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	C. T. S. no. 510, 510/1 to 8, 1, 1/1 to 16, 514, 514/1 to 518 A/2, 561 & 561/1 to 14
9.Taluka	Borivali
10.Village	Kanheri
Correspondence Name:	Mr. Vijay Shah
Room Number:	901
Floor:	9th Floor
Building Name:	Hall mark Business Plaza
Road/Street Name:	Gurunanak Hospital Road
Locality:	Bandra (East)
City:	Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	LOI from SRA vide letter No. SRA/ENG/1966/RC/STGL/LOI dated: 24th Nov 2009
	IOD/IOA/Concession/Plan Approval Number: LOI from SRA vide letter No. SRA/ENG/1966/RC/STGL/LOI dated: 24th Nov 2009
	Approved Built-up Area: 22213.83
13.Note on the initiated work (If applicable)	Slums have been cleared on site and the excavation work has been initiated.
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	LOI from SRA vide letter No. SRA/ENG/1966/RC/STGL/LOI dated: 24th Nov 2009
15.Total Plot Area (sq. m.)	7404.80 Sq. M.
16.Deductions	107.52 Sq. M. (Area under 9.00 m wide existing road)
17.Net Plot area	7297.28 Sq. M.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 22205.45 Sq. M.
	b) Non FSI area (sq. m.): 15243.08 Sq. M.
	c) Total BUA area (sq. m.): 37448.53
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 22205.45 Sq. M.
	Approved Non FSI area (sq. m.): 15243.08 Sq. M.
	Date of Approval: 24-11-2009
19.Total ground coverage (m2)	Data not available as per Old EC
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Data not available as per Old EC
21.Estimated cost of the project	522500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	1 Building comprising of 4 Wings	Ground + 17 Floors	Approx. 52.7 m
2	Sale Building - Building no. 1	Ground + 3 Podiums + 26 Floors	Approx. 86.6 m
3	Sale Building - Building no. 2	Ground + 7 Floors	Approx. 21.7 m

23.Number of tenants and shops	1 Building comprising of 4 Wings: 362 Flats + 4 Balwadi + 3 Rehabilitation components + 4 Welfare center + 4 Society offices Sale Building Building no. 1: 121 Flats Building no. 2: 14 Flats Total: 497 + 15 = 512
24.Number of expected residents / users	2485
25.Tenant density per hectare	1840
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	9.00 m wide D. P. Road (North) and 60.00 m wide Eastern Express Highway
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9.00 m wide access
29.Existing structure (s) if any	Slums
30.Details of the demolition with disposal (If applicable)	Slums present on the site will be demolished by taking prior permission from competent Authority and will be disposed Off as per the “Construction & 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):	227
	Recycled water - Flushing (CMD):	118
	Recycled water - Gardening (CMD):	16
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	345
	Fire fighting - Underground water tank(CMD):	200 for each wing
	Fire fighting - Overhead water tank(CMD):	25 for each wing
	Excess treated water	148
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	227
	Recycled water - Flushing (CMD):	118
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	345
	Fire fighting - Underground water tank(CMD):	200 for each wing
	Fire fighting - Overhead water tank(CMD):	25 for each wing
	Excess treated water	164
Details of Swimming pool (If any)	Not Applicable	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	Approx. 2.5 m below ground
	Size and no of RWH tank(s) and Quantity:	102 CUM
	Location of the RWH tank(s):	Below Ground
	Quantity of recharge pits:	7 Nos.
	Size of recharge pits :	3 m Dia x 3 m depth
	Budgetary allocation (Capital cost) :	Rs. 10 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 2 Lakhs per annum
	Details of UGT tanks if any :	Domestic Water Tank – 227 CMD Flushing Water Tank – 118 CMD Rain Water Harvesting Tank – 102 CMD Fire Water Tank – 1000 CMD
35.Storm water drainage	**Natural water drainage pattern:**	Connected to MCGM Storm water drain
	Quantity of storm water:	Data not available as per Old EC.
	Size of SWD:	0.6 x 0.6 m, Slope 1:300
Sewage and Waste water	**Sewage generation in KLD:**	296 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	2 STPs for Rehab: 110 KLD & 1 STP for Sale: 90 KLD
	Location & area of the STP:	Below Ground; Area= Approx. 200 Sq. M.
	Budgetary allocation (Capital cost):	Rs. 48 Lakhs
	Budgetary allocation (O & M cost):	Rs. 15 Lakhs per annum
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Debris & construction waste shall be generated. Recyclable waste will be generated like empty cement bags & cans, scrap metal etc.
	Disposal of the construction waste debris:	Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers. Disposal of construction waste will be as per "Construction and Demolition waste management Rules 2016.
Waste generation in the operation Phase:	**Dry waste:**	803 Kg/Day
	Wet waste:	344 Kg/Day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	44 Kg/Day
	Others if any:	Not Applicable

Mode of Disposal of waste:	**Dry waste:**	Dry waste would be further segregated into recyclable and non-recyclable. Recyclable will be handed over to authorize vendors and non- recyclable will be disposed off to authorized site.
	Wet waste:	Wet Garbage will be treated in Mechanical Composting Unit 'Organic Waste Convertor' (OWC) and the compost generated would be used as manure for gardening purpose and excess would be disposed off to landfill site or would be sold to authorize vendors.
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Dry sludge would be used as manure for gardening purpose and excess would be sold to authorize vendors.
	Others if any:	Not Applicable
Area requirement:	**Location(s):**	Ground Level
	Area for the storage of waste & other material:	Approx. 100 Sq. M.
	Area for machinery:	30 Sq. M.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	20 Lakhs
	O & M cost:	7 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 :**	2312.06 Sq. M.
	No of trees to be cut :	00
	Number of trees to be planted :	181
	List of proposed native trees :	Neem, Sita Ashok, Son chafa,
	Timeline for completion of plantation :	After completion of construction work

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	61	Large tree, good for roadside plantation
2	Saraca asoka	Sita Ashok	60	Shady tree with red-yellow flowers.
3	Michelia champaca	Sita Ashok	60	Medium sized evergreen tree, fragrant 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	Not applicable	Not applicable	Not applicable

47.Energy

Power requirement:	**Source of power supply :**	Reliance Energy
	During Construction Phase: (Demand Load)	100 KW
	DG set as Power back-up during construction phase	Not Applicable
	During Operation phase (Connected load):	1200.33 KVA for Rehab & 720.20 KVA for sale
	During Operation phase (Demand load):	966.16 KVA for Rehab & 579.69 KVA for sale
	Transformer:	Transformer size will be decided by the supplier.
	DG set as Power back-up during operation phase:	2 Nos. of 200 KVA
	Fuel used:	LDO
	Details of high tension line passing through the plot if any:	No

48.Energy saving by non-conventional method:

Solar operated pole lights will be proposed to power pathway lights at some strategic locations.
Solar water heating for flats.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	CFL/T5 lamps will be used wherever possible	Data Not Available as per old EC Letter
2	All fluorescent light fixtures will be specified to incorporate electronic chokes which have less watt-loss compared to electromagnetic chokes and result in superior operating power factor. Electronic chokes also improve the life of the fluorescent lamps.	Data Not Available as per old EC Letter
3	The UPS will be specified with high input power factor (close to unity) so that input KVA is restricted.	Data Not Available as per old EC Letter
4	Copper conductor cables will be specified for sizes of 16 Sq. mm. and below, this will reduce losses and improve reliability.	Data Not Available as per old EC Letter

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 40 Lakhs
	O & M cost:	Rs. 10 Lakhs per annum

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

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

1	Air Environment	Water for dust Suppression	0.5
2	Air Environment	Tyre cleaning and Vehicle maintenance	0.5
3	Air Environment	Traffic Management (Sign Boards, Persons at entry exit and Parking area)	0.1
4	Drinking water	Potable Water Supply	1.0
5	Socio-economic Environment	Site sanitation Facility and its maintenance	1.0
6	Health & Safety	Health check-up & first aid	1.0
7	Health & Safety	Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	5.0
8	Health & Safety	Safety Training to Workers (Twice in Year), Safety Officer	0.5
9	Health & Safety	Safety nets	0.25
10	Health & Safety	Disinfection at Site	0.5
11	Environment management	Environmental Monitoring	5.00

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP & Sewerage network	2 STPs for Rehab: 110 KLD & 1 STP for Sale: 90 KLD	48	15
2	RWH System	Rain water Harvesting Tank of 102 CUM & 7 Recharge Pits	10	2
3	Environmental Monitoring	Environmental Monitoring	00	7
4	Solid Waste Management	Cost for treatment of 344 Kg/Day of Biodegradable waste	20	7
5	Energy Saving Measures	Energy Saving Measures	40	8
6	Landscaping	Tree Plantation	40	10

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

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	1 = Junction of Road No. 2 and Ali Yavar Jung Road
Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	3 Podium
	Total Parking area:	5188.06 Sq. M.
	Area per car:	29 Sq. M.
	Area per car:	29 Sq. M.
	Number of 2-Wheelers as approved by competent authority:	00 Nos.
	Number of 4-Wheelers as approved by competent authority:	178 Nos.
	Public Transport:	Nil
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park: Approx. 300 m – E
	Category as per schedule of EIA Notification sheet	Category 'B'
	Court cases pending if any	None
	Other Relevant Informations	None
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

Environment Clearance for Extension of Earlier Obtained EC for proposed S. R. A. Scheme at Plot bearing C. T. S. no. 510, 510/1 to 8, 1, 1/1 to 16, 514, 514/1 to 518 A/2, 561 & 561/1 to 14 of Village at Kanheri, Taluka – Borivali, Borivali (East), by M/s. KMC Developers

PP submitted letter of absence hence matter is deferred.

DECISION OF SEAC

PP submitted letter of absence hence matter is deferred.

Specific Conditions by SEAC:

FINAL RECOMMENDATION

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

Agenda of 135th Meeting of State Level Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 135th -Day-2 ,Part-1 **Meeting Date** July 1, 2020

Subject: Environment Clearance for Environmental Clearance for Redevelopment Project on plot bearing F.P.No.1210,TPS – IV of Mahim Division known as "Yadav Patil Wadi" situated at, Veer Savarkar Marg, Prabhadevi, Mumbai by Lodha Developers Limited

Is a Violation Case: No

1.Name of Project	Redevelopment Project
2.Type of institution	Private
3.Name of Project Proponent	Lodha Developers Limited
4.Name of Consultant	Mahabal Enviro Engg. Pvt. Ltd.; Dr. D. A. Patil
5.Type of project	Redevelopment of Project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot bearing F.P.No.1210,TPS – IV of Mahim Division known as "Yadav Patil Wadi" situated at, Veer Savarkar Marg, Prabhadevi, Mumbai.
9.Taluka	Mumbai
10.Village	Prabhadevi
Correspondence Name:	Atul Jangam; Lodha Developers Limited
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	Applied for IOD
	IOD/IOA/Concession/Plan Approval Number: Applied
	Approved Built-up Area: 41500
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	-
15.Total Plot Area (sq. m.)	6556.08 m2
16.Deductions	127.70 m2
17.Net Plot area	6428.38 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 21779.25 m2
	b) Non FSI area (sq. m.): 19720.75 m2
	c) Total BUA area (sq. m.): 41500
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 21779.25
	Approved Non FSI area (sq. m.): 19720.75
	Date of Approval: 01-01-1900
19.Total ground coverage (m2)	2550 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	40%
21.Estimated cost of the project	600000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Commercial Tower	G + 16 Floors	69.80
2	Rehab (Residential)	G + 2 level commercial / industrial galas + 20 level residential floors	69.90
3	Podium Part 1	G + 8 levels parking floors	32
4	Podium Part 2	G + 4 Commercial / Industrial galas + 3 Parking levels	-

23.Number of tenants and shops	Rehab Residential: 95 Nos.; Rehab Shops: 11 Nos.; Rehab Industrial: 14 Nos.; Sale Commercial: 30 Offices
24.Number of expected residents / users	2004 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 m wide Yadav Patel Road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	6 m - 9 m
29.Existing structure (s) if any	Yes. Existing structures are present on site.
30.Details of the demolition with disposal (If applicable)	Demolition waste will be disposed as per MCGM Approvals.

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):	81
	Recycled water - Flushing (CMD):	52
	Recycled water - Gardening (CMD):	3
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	133
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	For HVAC Make up
Wet season:	**Source of water**	MCGM
	Fresh water (CMD):	81
	Recycled water - Flushing (CMD):	52
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	-
	Total Water Requirement (CMD) :	133
	Fire fighting - Underground water tank(CMD):	As per NBC
	Fire fighting - Overhead water tank(CMD):	As per NBC
	Excess treated water	For HVAC Make up
Details of Swimming pool (If any)	Swimming Pool not 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:**	~10 m
	Size and no of RWH tank(s) and Quantity:	-
	Location of the RWH tank(s):	-
	Quantity of recharge pits:	4 Nos.
	Size of recharge pits :	3m x 3m x 4m
	Budgetary allocation (Capital cost) :	Rs. 14 Lakh
	Budgetary allocation (O & M cost) :	Rs. 0.32 Lakh / yr
	Details of UGT tanks if any :	Yes. UG Tanks are provided
35.Storm water drainage	**Natural water drainage pattern:**	Towards south side
	Quantity of storm water:	748.16 m3/hr
	Size of SWD:	350 x 400 mm
Sewage and Waste water	**Sewage generation in KLD:**	125 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	150 KLD
	Location & area of the STP:	On Ground
	Budgetary allocation (Capital cost):	Rs. 38 Lakhs
	Budgetary allocation (O & M cost):	Rs. 9 Lakhs / yr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction debris: 1205 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:**	217kg/d
	Wet waste:	326 kg/d
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	1 KLD
	Others if any:	E-Waste Generation: 1 Ton Per year

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 technology and used as organic manure for landscaping.
	Hazardous waste:	-
	Biomedical waste (If applicable):	-
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	The E-Waste shall be handed over to E-Waste Management vendor authorized by MPCB.
Area requirement:	**Location(s):**	On Ground
	Area for the storage of waste & other material:	35 m2
	Area for machinery:	20 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 16 Lakh
	O & M cost:	Rs. 6 Lakh/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 :**	642.84 m2
	No of trees to be cut :	Existing trees on site: 25 Nos.; Trees to be cut: 17 Nos.; Trees to be transplant: 8 Nos.
	Number of trees to be planted :	124 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	Delonix Regia	Gulmohar	13	Red flowering medium sized tree
2	Albizia lebbeck	Shirish	11	Shady tree, yellowish green fragrant flowers
3	Azadiracta indica	Neem	10	Large tree, good for roadside plantation
4	Alstonia scholaris	Satwin	18	Shady Tree, white fragrant flowers
5	Saraca asoka	Sita Ashok	20	Shady tree with red-yellow flowers
6	Cassia fistula	Bahava	15	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
7	Mimusops elengi	Bakul	12	Shady tree, small white fragrant flowers
8	Michelia champaca	Son Chafa	15	Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant
9	Anthocephallus cadamba	Kadamb	10	Shady, large deciduous tree, fast-growing graceful tree, ball shaped flowers
45.Total quantity of plants on ground				

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

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

47.Energy

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):	3.9 MW
	During Operation phase (Demand load):	2.7 MW
	Transformer:	3 x 1500 kVA
	DG set as Power back-up during operation phase:	2 x 1000, 1 x 500, 1 x 400 kVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	-

48.Energy saving by non-conventional method:

- Solar Lighting in common area, garden and road
- Solar hot water for residential building
- Energy efficient lighting fixtures (LED lights) to buildings
- Use of low E Glass to reduce power requirement.

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. 20 Lakh
	O & M cost:	Rs. 1 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	Water spray for dust suppression	-	4
2	Site sanitation and Facility and its maintenance	-	5
3	Potable Water Supply to Labor	-	5

4	Solid Waste Management	-	3
5	Disinfection	-	4
6	Safety Personal Protective Equipment	-	20
7	Traffic Management	-	8
8	Safety nets	-	20
9	Safety Training to Workers	-	8
10	Environmental Monitoring	-	4
11	Health check up and first aid	-	10

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuos O & M	38	9
2	Solar System	Weekly	20	1
3	Rain Water Harvesting	During Rainy Season	14	0.32
4	Solid waste composting	Continuos O & M	16	6
5	Landscape	Daily	6	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:**	Basement is provided for services (1450 m2)
	Number and area of podia:	8 Podiums are proposed with 14250 m2 area
	Total Parking area:	11000 m2
	Area per car:	30 m2
	Area per car:	30 m2
	Number of 2-Wheelers as approved by competent authority:	-
	Number of 4-Wheelers as approved by competent authority:	350 Nos.
	Public Transport:	-
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	The site U/R is outof CRZ area
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	8(a)
	Court cases pending if any	No
	Other Relevant Informations	No
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

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

Brief information of the project by SEAC

Environment Clearance for Environmental Clearance for Redevelopment Project on plot bearing F.P.No.1210,TPS – IV of Mahim Division known as "Yadav Patil Wadi" situated at, Veer Savarkar Marg, Prabhadevi, Mumbai by Lodha Developers Limited

Introduction :-

Representative of PP was present during the meeting along with Environmental consultant M/s Mahabal Enviro Engineers . PP informed that, the details ofProject are -

1. Plot area : 6,556.08 m2
2. FSI : 21,779.25 m2
3. Non-FSI : 19,720.75 m2
4. Total BUA : 41,500 m2
5. Building Configuration:
6. Commercial Tower: G + 16 Floors, Rehab Residential: G + 2 level commercial / industrial galas + 20 level residential floors, Podium Part I: G + 8 level parking floors, Podium Part II: G + 4 commercial / industrial galas + 3 parking levels
7. Total Population: 2,004 Nos. Flats: 95; Shops: 11, Rehab Industrial: 14, Offices: 30
8. Water Requirement: 133 KLD
9. Sewage Generation: 125 KLD
10. STP capacity & Technology: 2 STP's of total 150 KLD capacity with MBBR technology (75+75)
11. STP Location : Basement
12. RG Required & Provided: RG Required: 642.83 m2 and RG provided: 642.84 m2
13. Energy Requirement: Demand Load- 2.5 MW (Best)
14. Energy Saving (total): Total Savings- 22 % (By Solar- 1.3%)
15. No. of DG Set and Capacity: 2 x 1000, 1 x 300, 1 x 350 kVA
16. Biodegradable waste Generation: 326 kg/day
17. OWC Capacity: Total 400 kg/day
18. Parking: 4W provided: 335 Nos.
19. EMP Cost: Capital Cost: 150 Lakh, O&M: 25 Lakh/yr.
20. Rainwater Harvesting: 2 RWH tank with 70 KL total capacity
21. Details of UG Tanks: UG Tanks are provided
22. CER: Project Cost: Rs. 60 Cr, CER to spend: Rs. 60 Lakh (1% Brownfield)

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

After deliberation Committee decided to recommend the proposal to SEIAA for grant of EC subject to compliance of above conditions.

Specific Conditions by SEAC:

1) 1. PP to submit IOD/IOA/Concession Document/Plan Approval or any other form of documents as applicable clarifying its conformity with local planning rules and provisions there under as per the Circular dated 30.01.2014 issued by the Environment Department, Govt. of Maharashtra.
2) 2. PP to increase number of two wheeler parking's. PP to ensure that two wheeler parking is on ground level.
3) 3. PP to ensure 7.5 meter driveway in lobby.
4) 4. PP to submit wind & shadow analysis report of proposed building.
5) 5. PP to obtain CRZ NOC if required.
6) 6. PP to submit storm water drainage calculations of the plot area.
7) 7. PP to clearly mention @ types of industries to be located in proposed project.
8) 8. PP to submit ROC documents as various NOCs are issued in favour of another's builders and presently application is in different name.

FINAL RECOMMENDATION

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