Agenda of 109th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 109 **Meeting Date** August 23, 2019

Subject: Environment Clearance for Proposed Layout with Construction of EWS, LIG, MIG and HIG Tenements on Plot -A and Plot -B at S. No. 29 (P), C.T.S. No. 50A (pt.) and 2, at Pahadi Goregaon, Goregaon (W), Mumbai in P/S ward. (New Subhash Nagar).

Is a Violation Case: No

1.Name of Project	Proposed Layout with Construction of EWS, LIG, MIG and HIG Tenements
2.Type of institution	Government
3.Name of Project Proponent	Mumbai Housing and Area Development Board, Mumbai (A MHADA Unit)
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	MHADA
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Plot -A and Plot -B at S. No. 29 (P), C.T.S. No. 50A (pt.) and 2, at Pahadi Goregaon, Goregaon (W), Mumbai in P/S Ward. (New Subhash Nagar).
9.Taluka	Goregaon
10.Village	Pahadi Goregaon(W).
Correspondence Name:	Mumbai Housing and Area Development Board, Mumbai (A MHADA Unit)
Room Number:	NA
Floor:	NA
Building Name:	Mumbai Housing and Area Development Board, Mumbai (A MHADA Unit)
Road/Street Name:	Ravaji Ganatra Marg
Locality:	Griha Nirman Bhavan, Kalanagar, Bandra (East), Mumbai.
City:	Mumbai
11.Whether in Corporation / Municipal / other area	The project comes under Municipal Corporation of Greater Mumbai (MCGM).
12.IOD/IOA/Concession/Plan Approval Number	IOA is approved U.No.- MH/EE(BP)CELL/GM/MHADA-57/181/2019, dtd: - 16/01/2019 for 11 wings (i.e. In plot-A, building no.- 03, Wing: - A, B, C, D, E, F, G = 7 wings and in plot-B, Building no.- 02, Wing: - A, B, C, D = 4 wings)
	IOD/IOA/Concession/Plan Approval Number: IOA is approved U. No.- MH/EE(BP)CELL/GM/MHADA-57/181/2019, dtd: - 16/01/2019 for 11 wings (i.e. In plot-A, building no.- 03, Wing: - A, B, C, D, E, F, G = 7 wings and in plot-B, Building no.- 02, Wing: - A, B, C, D = 4 wings)
	Approved Built-up Area: 94359.81
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.)	1,99,215.00 sq.mt.
16.Deductions	1,57,847.92 sq.mt.
17.Net Plot area	41,367.08 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 73,904.16 sq.mt.
	b) Non FSI area (sq. m.): 20,455.65 sq.mt.
	c) Total BUA area (sq. m.): 94359.81
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 73,904.16 sq.mt.
	Approved Non FSI area (sq. m.): 20,455.65 sq.mt.
	Date of Approval: 16-01-2019
19.Total ground coverage (m2)	5,558.55 sq.mt.

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	7.90 %
21.Estimated cost of the project	1500000000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No.3- EWS with 7 Wings namely, A, B, C, D, E, F, G In Plot A	Stilt + 23rd Floors	69.985
2	Building No.2- EWS with 4 Wings namely, A, B, C, D In Plot B	Stilt + 23rd Floors	69.985

23.Number of tenants and shops	Total Residential Tenements - 1947 nos.
24.Number of expected residents / users	Total Residents - 9735 nos.
25.Tenant density per hectare	450 Tenant Per Hectare
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	36.60 mt wide D.P. Road and 18.30 mt wide D.P. Road.
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	Nil
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	MCGM Water Supply
	Fresh water (CMD):	876
	Recycled water - Flushing (CMD):	438
	Recycled water - Gardening (CMD):	21
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1335
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	330
	Excess treated water	487
Wet season:	**Source of water**	MCGM Water Supply
	Fresh water (CMD):	876
	Recycled water - Flushing (CMD):	438
	Recycled water - Gardening (CMD):	NA
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1314
	Fire fighting - Underground water tank(CMD):	600
	Fire fighting - Overhead water tank(CMD):	330
	Excess treated water	508
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2 to 3 m below ground level
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	6 nos.
	Size of recharge pits :	3 m x 1.5 m
	Budgetary allocation (Capital cost) :	Rs. 30 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 3 Lakhs / year
	Details of UGT tanks if any :	Building No.3: Firefighting water tank -400 cu.m; Domestic water tank -584.10 cu.m; Flushing water tank –292.05 cu.m Building No.2: Firefighting water tank -200 cu.m; Domestic water tank -212.40 cu.m; Flushing water tank –106.2 cu.m
35.Storm water drainage	**Natural water drainage pattern:**	Open Storm Water Drain with gratings on road.
	Quantity of storm water:	0.364 m3/sec.
	Size of SWD:	450 / 600 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	1051
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 STP of 700 kld and 1 STP of 400 kld
	Location & area of the STP:	Location: Ground and area of the STP 1- 659.06 sq.mt. and STP 2 - 546.20 sq.mt.
	Budgetary allocation (Capital cost):	Rs. 250 Lakhs
	Budgetary allocation (O & M cost):	Rs. 45 Lakhs /year
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated materials quantity : 24,275 Cu. M
	Disposal of the construction waste debris:	Excavation material 21,275 Cu. M shall be partly reused on site and remaining 3,000 Cu. M shall be disposed of by covered trucks to the authorized sites.
Waste generation in the operation Phase:	**Dry waste:**	1,947 kg/day
	Wet waste:	3,075 kg/day
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	105 kg.
	Others if any:	NA

Mode of Disposal of waste:	**Dry waste:**	Wastes will be handed over to authorized agency/recycler
	Wet waste:	Waste will be process in Organic Waste Converter and compost will be used as manure for gardening.
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Used as manure for gardening
	Others if any:	NA
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	303.15 sq.mt.
	Area for machinery:	50 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 60 Lakhs
	O & M cost:	Rs. 16 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 :**	4,161.53 sq.mt.
	No of trees to be cut :	NA
	Number of trees to be planted :	880 nos.
	List of proposed native trees :	Apta, Bhava, Son Chapa, Bakul, Kadam, Sita Ashoka, Neem, Mango
	Timeline for completion of plantation :	2 Years

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Bauhinia racemosa	Apta	125	Small tree with small white flowers, butterfly host plant
2	Cassia fistula	Bhava	130	Medium sized deciduous tree, beautiful yellow flowers, Butterfly host plant
3	Michalia champaca	Son Chapa	130	Medium sized evergreen tree, fragrant yellow flowers, butterfly host plant
4	Mimusops elengi	Bakul	130	Shady tree, small white fragrant flowers
5	Anthocephallus cadamba	Kadam	125	Shady, large deciduous tree, fast growing graceful tree, ball shaped flowers
6	Saraca asoka	Sita Ashoka	150	Shady tree with red yellow flowers
7	Azadiracta indica	Neem	40	Large tree, good for roadside plantation
8	Magnifera indica	Mango	50	Fruits bearing tree
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	M/s. Reliance Energy
	During Construction Phase: (Demand Load)	400 KW
	DG set as Power back-up during construction phase	2 nos. of 250 KVA
	During Operation phase (Connected load):	9134.80 KW
	During Operation phase (Demand load):	1861.44 KW
	Transformer:	3 nos. of 1000KVA
	DG set as Power back-up during operation phase:	2 nos of 500 KVA and 1 no of 380 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

- Energy saving by using LED light fixture.
- Energy saving by using solar system for common area light.
- Energy saving by using VVVF drive for lift.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving by using LED light fixture	36 %
2	Energy saving by using solar system for common area light	2.5
3	Energy saving by using VVVF drive for lift	35 %

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. 116 Lakhs
	O & M cost:	Rs. 6 Lakhs / year

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Air and Noise	Site Barricading and Dust Control Measures	5

2	Water	Tanker Water For Construction and Waste Water Management	6
3	Solid waste	Construction Waste Management	4
4	Occupation Health and safety	Health Checkup of Workers, Disinfection at Site, First Aid Facility, Personal Protective Equipment	5
5	Environmental Monitoring	Air, Noise, Water, Biological	7

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage treatment plant	1 no. of STP of capacity 700 kld and 1 no. of STP of capacity 400 kld	250	45
2	Rainwater harvesting system	6 nos. of recharge pits	30	3
3	Solid waste management	OWC, Manpower and colored dustbins	60	16
4	Green Belt Development	Landscaping and tree plantation	25	5
5	Energy Saving Measures	Energy saving by using LED light fixture, solar system for common area light and VVVF drive for lift.	116	6

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	7,358.00 sq.mt.
	Area per car:	28.74 sq.mt.
	Area per car:	28.74 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	256 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Sanjay Gandhi National Park - 3.46 km
	Category as per schedule of EIA Notification sheet	Schedule - 8a, Category - B2
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Rajan Patil was present during the meeting along with environmental consultant M/s. Fine Envirotech Engineers.

PP informed that, the project under consideration is proposed new MHADA project. PP further stated that, the total plot area of the project is 39,902.65 Sq.mt. having total construction area 60393.23 Sq.mt. (FSI – 47029.92 Sq.mt. + NON FSI- 13363.31 Sq.mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Building No.3- EWS with 7 Wings namely, A, B, C, D, E, F, G In Plot A	Stilt + 23rd Floors	69.985
Building No.2- EWS with 4 Wings namely, A, B, C, D In Plot B	Stilt + 23rd Floors	69.985

It is noted that the project earlier considered in 108th Meeting held on 7-08-2019 & deferred as the proposed plot is two portion of the areas which are disjoined, therefore PP to subdivide the plot in two separate plots. Accordingly, PP submitted the compliance which was taken on record.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP i.e MHADA to get plot area of 39,902.65 Sq.mt. officially sub divided through collector.
2) PP to edit the online CS with respect to the application of plot area 39,902.65 Sq.mt
3) PP to provide the elevated tree plantation structure between plot boundary & DP road also PP to provide clear 6mt drive way for fire tender movement. PP to ensure that sufficient space should be provided to N-E corner so that there will not be any hindrance to fire tender.
4) PP to ensure that 40% area of STP tanks should be open to sky for adequate ventilation
5) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
6) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

Agenda of 109th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 109 **Meeting Date** August 23, 2019

Subject: Environment Clearance for proposed Mass Housing Scheme of LIG - EWS Type Houses Under " PMAY Scheme" at Plot No.1, Sector No. 34, Taloja, for CIDCO, Navi Mumbai.

Is a Violation Case: No

1.Name of Project	Proposed Mass Housing Scheme of LIG -EWS Type Houses Under " PMAY Scheme"
2.Type of institution	Government
3.Name of Project Proponent	City and Industrial Development Corporation of Maharashtra Limited (CIDCO Ltd)
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	N.A.
8.Location of the project	Plot No.1, Sector No. 34, Taloja, , Navi Mumbai.
9.Taluka	Panvel
10.Village	Taloja, Navi Mumbai
Correspondence Name:	The Superintending Engineers (Housing-II), City and Industrial Development Corporation of Maharashtra Limited (CIDCO Ltd)
Room Number:	N.A.
Floor:	6th Floor
Building Name:	Raigad Bhavan
Road/Street Name:	Sakal Bhavan Road,
Locality:	CBD Belapur
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	City and Industrial Development Corporation of Maharashtra (CIDCO)
12.IOD/IOA/Concession/Plan Approval Number	Development permission received from CIDCO dated:30/07/2019.
	IOD/IOA/Concession/Plan Approval Number: CIDCO/SR.ARCH (BP-IHP)/2019/351/E-105
	Approved Built-up Area: 56668.90
13.Note on the initiated work (If applicable)	Not started yet
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Development permission received from CIDCO dated:30/07/2019.
15.Total Plot Area (sq. m.)	27,205.35 sq.mt.
16.Deductions	4,080.80 sq.mt.
17.Net Plot area	23,124.55 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 56,668.90 sq.mt.
	b) Non FSI area (sq. m.): 43,915.19 sq.mt
	c) Total BUA area (sq. m.): 100584.09
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 56,668.90 sq.mt.
	Approved Non FSI area (sq. m.): 43,915.19 sq.mt
	Date of Approval: 30-07-2019
19.Total ground coverage (m2)	5,465.4 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.09 %
21.Estimated cost of the project	2316500000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	LIG Buildings- 2 nos. (Commercial + Residential)	Ground + 21 Floors	64.325
2	LIG Buildings- 2 nos. (Residential)	Ground + 22 Floors	66.61
3	EWS Buildings - 6 nos. (Residential)	Ground +14 Floors	43.650

23.Number of tenants and shops	Residential tenements - 1,651 nos. Commercial Shops- 20 nos.
24.Number of expected residents / users	Residents - 8,255 nos., Commercial users - 77 nos.
25.Tenant density per hectare	612
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m and 15 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	N.A.
30.Details of the demolition with disposal (If applicable)	N.A.

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**	CIDCO
	Fresh water (CMD):	1,509 kld
	Recycled water - Flushing (CMD):	N.A.
	Recycled water - Gardening (CMD):	N.A.
	Swimming pool make up (Cum):	N.A.
	Total Water Requirement (CMD) :	1,509 kld
	Fire fighting - Underground water tank(CMD):	400 Cum
	Fire fighting - Overhead water tank(CMD):	240 Cum
	Excess treated water	NA
Wet season:	**Source of water**	CIDCO
	Fresh water (CMD):	1,489 kld
	Recycled water - Flushing (CMD):	N.A.
	Recycled water - Gardening (CMD):	N.A.
	Swimming pool make up (Cum):	N.A.
	Total Water Requirement (CMD) :	1,489 kld
	Fire fighting - Underground water tank(CMD):	400 Cum
	Fire fighting - Overhead water tank(CMD):	240 Cum
	Excess treated water	NA
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:**	0.9 to 3.5 m below Ground Level
	Size and no of RWH tank(s) and Quantity:	Size: 9m x 4.5., No of RWH Tanks - 2 nos., Quantity - 42 Cum
	Location of the RWH tank(s):	On Ground
	Quantity of recharge pits:	Nil
	Size of recharge pits :	N.A.
	Budgetary allocation (Capital cost) :	Rs. 10 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1 Lakhs/annum
	Details of UGT tanks if any :	Fire fighting water tank – 400 Cum Domestic water tank - 1114.5 Cum Commercial Shop - 2.59 Cum
35.Storm water drainage	**Natural water drainage pattern:**	Open storm water drain in with grating.
	Quantity of storm water:	0.89 m3/sec
	Size of SWD:	450/600/750 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	1,191 kld
	STP technology:	SBR Technology
	Capacity of STP (CMD):	Sewage generated will be connected to Nodal STP of capacity 32 MLD of CIDCO at Taloja
	Location & area of the STP:	Location: Ground and area of STP - Sewage generated will be connected to Nodal STP of capacity 32 MLD of CIDCO at Taloja
	Budgetary allocation (Capital cost):	N.A.
	Budgetary allocation (O & M cost):	N.A.
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated materials
	Disposal of the construction waste debris:	Excavation material shall be reused on site for backfilling and leveling.
Waste generation in the operation Phase:	**Dry waste:**	1,664 kg/day
	Wet waste:	2,635 kg/day
	Hazardous waste:	N.A.
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	N.A.
	Others if any:	N.A.

Mode of Disposal of waste:	**Dry waste:**	Wastes will be handed over to authorized agency/recycler
	Wet waste:	Waste will be process in Organic Waste Converter and compost will be used as manure for gardening.
	Hazardous waste:	N.A.
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	N.A.
	Others if any:	N.A.
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	90 sq.mt.
	Area for machinery:	30 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 50 Lakhs
	O & M cost:	Rs. 13 Lakhs/annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	4,099.15 sq.mt.
	No of trees to be cut :	60 nos.
	Number of trees to be planted :	340 nos.
	List of proposed native trees :	Karnaj, Sita Ashok, Bakul, Sonchapa, Palas, Shiris, Kanchan, Bhava, Pangara, Kadamba,
	Timeline for completion of plantation :	Till 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	Pongamia pinnata	Karanj	30	Fast growing, deciduous, drought tolerant Evergreen tree with shiny leaf and pink white flowers.
2	Seraca asoka	Sita Ashok	42	Shady tree with red yellow flowers.
3	Minusops elengi	Bakul	35	Small, shady tree with shiny green leaves having star shape fragrant flowers having medicinal property
4	Michealia champaca	Sonchapa	41	Medium sized evergreen tree
5	Butea monosperma	Palas	45	Medium sized deciduous tree, Beautiful orange flowers, Butterfly host plant
6	Albizzia lebbek	Shiris	28	Shady tree, yellowish green fragrant flowers.
7	Bauhinea purpurea	Kanchan	41	Good drought resistant & air purifier & medicinal properties.
8	Cassia fistula	Bhava	22	Medium sized deciduous tree. Beautiful yellow flowers. butterfly host plant
9	Erytherina indica	Pangara	30	Medium sized deciduous tree, Bright scarlet flowers.
10	Anthoceohallus kadamb	Kadamba	26	Large tree, ball shaped flowers medicinal values, Control soil erosion.
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	N.A.	N.A.	N.A.

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	350 KW
	DG set as Power back-up during construction phase	250 KVA
	During Operation phase (Connected load):	4,072.57 KW
	During Operation phase (Demand load):	2,715.05 KW
	Transformer:	6 nos. of 630 KVA
	DG set as Power back-up during operation phase:	1 no of 160 KVA and 1 no of 250 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	N.A.

48.Energy saving by non-conventional method:

- LED Tube lights for common area lights
- VVVF Drive for lift motor

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	By using LED light fixture for common area lights	36 %
2	By using VVVF drive for lift	35 %

50.Details of pollution control Systems

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

Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 26.51 Lakhs
	O & M cost:	Rs.1.33 Lakhs/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 and Noise	Site Barricading and Dust Control Measures	5
2	Water	Tanker Water For Construction And Waste Water Management	6
3	Solid Waste	Construction Waste Management	3

4	Occupation Health and safety	Health Checkup of Workers, , toilet, sanitation, Disinfection at Site, First Aid Facility, Personal Protective Equipment	8
5	Environmental Monitoring	Air, Noise, Water, Biological	7

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rainwater Harvesting System	Rain water tank	10	1
2	Solid Waste Management	OWC, Manpower and colored dustbins	50	13
3	Green Belt Development	Landscaping and Tree plantation	25	5
4	Energy Saving Measures	LED Tube lights for common area lights and VVVF Drive for lift motor	26.51	1.33

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	N.A.
	Number and area of podia:	N.A.
	Total Parking area:	11,107.62 sq.mt.
	Area per car:	23.96 sq.mt.
	Area per car:	23.96 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	46 nos.
	Number of 4-Wheelers as approved by competent authority:	464 nos.
	Public Transport:	NA
	Width of all Internal roads (m):	6 m wide driveway
	CRZ/ RRZ clearance obtain, if any:	N.A.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	N.A.
	Category as per schedule of EIA Notification sheet	Schedule -8a,Category -B2
	Court cases pending if any	N.A.
	Other Relevant Informations	N.A.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Sanjay Chautalia, superintendent engineer, CIDCO was present during the meeting along with environmental consultant M/s. Fine Envirotech Engineers.

PP informed that, the project under consideration is *housing project* under PMAY. *PP further stated that, t*he total plot area of the project is 27,205.35 Sq.mt having total construction area 100584.09 Sq.mt (FSI -56,668.90 sq.mt +NON FSI-43,915.19 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
LIG Buildings- 2 nos. (Commercial + Residential)	Ground + 21 Floors	64.325
LIG Buildings- 2 nos. (Residential)	Ground + 22 Floors	66.61
EWS Buildings - 6 nos. (Residential)	Ground +14 Floors	43.650

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to relocate the parking around OS 5 & provide requisite RG (OS) on mother earth.
2) PP i.e CIDCO to ensure that no possession to tenements shall be given before completion of the sewer lines and permission for the connection to the same by the competent authority. Local planning authority to also ensure that no occupation certificate is given to the project until sewer lines and storm water drain is developed and connected to the project
3) PP to ensure that, energy saving by solar energy should be at least 2 %.
4) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
5) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.

FINAL RECOMMENDATION

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

SEAC Meeting number: 109 **Meeting Date** August 23, 2019

Subject: Environment Clearance for proposed Mass Housing Scheme of LIG -EWS Type Houses Under " PMAY Scheme" at Plot No.6, Sector No. 34, Taloja, for CIDCO, Navi Mumbai.

Is a Violation Case: No

1.Name of Project	Proposed Mass Housing Scheme of LIG - EWS Type Houses Under " PMAY Scheme"
2.Type of institution	Government
3.Name of Project Proponent	City and Industrial Development Corporation of Maharashtra Limited (CIDCO Ltd)
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	N.A.
8.Location of the project	Plot No.6, Sector No. 34, Taloja, , Navi Mumbai.
9.Taluka	Panvel
10.Village	Taloja, Navi Mumbai
Correspondence Name:	The Superintending Engineers (Housing-II), City and Industrial Development Corporation of Maharashtra Limited (CIDCO Ltd)
Room Number:	N.A.
Floor:	6th Floor
Building Name:	Raigad Bhavan
Road/Street Name:	Sakal Bhavan Road
Locality:	CBD Belapur
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	City and Industrial Development Corporation of Maharashtra (CIDCO)
12.IOD/IOA/Concession/Plan Approval Number	Development permission received from CIDCO dated:30/07/2019.
	IOD/IOA/Concession/Plan Approval Number: CIDCO/SR.ARCH (BP-IHP)/2019/352/E-106
	Approved Built-up Area: 76393.01
13.Note on the initiated work (If applicable)	Not started yet
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Development permission received from CIDCO dated:30/07/2019.
15.Total Plot Area (sq. m.)	37,214.78 sq.mt.
16.Deductions	5,582.22 sq.mt.
17.Net Plot area	31,632.56 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 76,393.01 sq.mt.
	b) Non FSI area (sq. m.): 58,521.45 sq.mt.
	c) Total BUA area (sq. m.): 134914.46
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 76,393.01 sq.mt.
	Approved Non FSI area (sq. m.): 58,521.45 sq.mt.
	Date of Approval: 30-07-2019
19.Total ground coverage (m2)	7,477.45 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	20.09 %
21.Estimated cost of the project	3097100000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	LIG Buildings -2 nos. (Commercial + Residential)	Ground +21 Floors	64.325
2	LIG Buildings -3 nos. (Residential)	Ground + 22 Floors	66.61
3	LIG Buildings -2 nos. (Residential)	Ground + 14 Floors	44.235
4	EWS Buildings -7 nos. (Residential)	Ground + 14 Floors	43.650

23.Number of tenants and shops	Residential tenements -2,205 nos. Commercial Shops- 32 nos.
24.Number of expected residents / users	Residents - 11,025 nos., Commercial users - 123 nos.
25.Tenant density per hectare	593
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	N.A.
30.Details of the demolition with disposal (If applicable)	N.A.

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**	CIDCO
	Fresh water (CMD):	2,019 kld
	Recycled water - Flushing (CMD):	N.A.
	Recycled water - Gardening (CMD):	N.A.
	Swimming pool make up (Cum):	N.A.
	Total Water Requirement (CMD) :	2,019 kld
	Fire fighting - Underground water tank(CMD):	800 Cum
	Fire fighting - Overhead water tank(CMD):	330 Cum
	Excess treated water	N.A.
Wet season:	**Source of water**	CIDCO
	Fresh water (CMD):	1,990 kld
	Recycled water - Flushing (CMD):	N.A.
	Recycled water - Gardening (CMD):	N.A.
	Swimming pool make up (Cum):	N.A.
	Total Water Requirement (CMD) :	1,990 kld
	Fire fighting - Underground water tank(CMD):	800 Cum
	Fire fighting - Overhead water tank(CMD):	330 Cum
	Excess treated water	N.A.
Details of Swimming pool (If any)	N.A.	

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:**	0.9 to 3.5 m below Ground level
	Size and no of RWH tank(s) and Quantity:	Size: 9m x 4.5, No of RWH tank - 02 nos., Quantity - 58 Cum
	Location of the RWH tank(s):	On Ground
	Quantity of recharge pits:	Nil
	Size of recharge pits :	N.A.
	Budgetary allocation (Capital cost) :	Rs. 10 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1 Lakh/annum
	Details of UGT tanks if any :	Fire fighting water tank –800 Cum Domestic water tank - 1488.75 Cum Commercial shop- 4.12 cum
35.Storm water drainage	**Natural water drainage pattern:**	Open Storm water Drain with gratings
	Quantity of storm water:	1.21 m3/sec
	Size of SWD:	450/600/750 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	1,592 kld
	STP technology:	SBR Technology
	Capacity of STP (CMD):	Sewage generated will be connected to Nodal STP of capacity 32 mld of CIDCO at Taloja
	Location & area of the STP:	Location: Ground and area of STP- Sewage generated will be connected to Nodal STP of capacity 32 mld of CIDCO at Taloja
	Budgetary allocation (Capital cost):	N.A.
	Budgetary allocation (O & M cost):	N.A.
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated materials
	Disposal of the construction waste debris:	Excavation material shall be reused on site for backfilling and leveling.
Waste generation in the operation Phase:	**Dry waste:**	2,227 kg/day
	Wet waste:	3,530 kg/day
	Hazardous waste:	N.A.
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	N.A.
	Others if any:	N.A.

Mode of Disposal of waste:	**Dry waste:**	Wastes will be handed over to authorized agency/recycler
	Wet waste:	Waste will be process in Organic Waste Converter and compost will be used as manure for gardening.
	Hazardous waste:	N.A.
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	N.A.
	Others if any:	N.A.
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	90 sq.mt.
	Area for machinery:	30 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. .70 Lakhs
	O & M cost:	Rs. 20 Lakhs/annum

37.Effluent Charecterestics

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

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

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

43.Green Belt Development	**Total RG area :**	5,753.15 sq.mt.
	No of trees to be cut :	80 nos.
	Number of trees to be planted :	470 nos.
	List of proposed native trees :	Karnaj, Shivan, Putranjiva, Sonchapa, Palas, Shiris, Kanchan,Bhava, Savar, Pangara, Kadamba, Sita Ashok and Bakul.
	Timeline for completion of plantation :	Till 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	Pongamia pinnata	Karanj	60	Fast growing, deciduous, drought tolerant Evergreen tree with shiny leaf and pink white flowers.
2	Gmelia arbora	Shivan	36	Fast growing tree with beautiful yellow flowers.
3	Putranjia roxburghii	Putranjia	65	Medium sized evergreen tree
4	Michealia champaca	Sonchapa	41	Medium sized evergreen tree
5	Butea monosperma	Palas	18	Medium sized deciduous tree, Beautiful orange flowers, Butterfly host plant
6	Albizzia lebbek	Shiris	19	Shady tree, yellowish green fragrant flowers.
7	Bauhinea purpurea	Kanchan	38	Good drought resistant & air purifier & medicinal properties.
8	Cassia Fistula	Bhava	64	Medium sized deciduous tree. Beautiful yellow flowers. butterfly host plant
9	Erytherina indica	Pangara	24	Medium sized deciduous tree, Bright scarlet flowers.
10	Anthoceohallus kadamb	Kadamba	18	Large tree, ball shaped flowers medicinal values, Control soil erosion.
11	Seraca asoka	Sita Ashok	68	Shady tree with red yellow flowers.
12	Minusops elengi	Bakul	15	Small, shady tree with shiny green leaves having star shape fragrant flowers having medicinal property
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	N.A.	N.A.	N.A.

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	450 KW
	DG set as Power back-up during construction phase	250 KVA
	During Operation phase (Connected load):	5504.46 KW
	During Operation phase (Demand load):	3669.64 KW
	Transformer:	8 nos. of 630 KVA
	DG set as Power back-up during operation phase:	2 nos. of 82.5 KVA, 1 no of 160 KVA and 1 no of 200 KVA
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	N.A.

48.Energy saving by non-conventional method:

1) LED Tube lights for common area lights
2) VVVF Drive for lift motor

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	By using LED light fixture for common area light	36 %
2	By using VVVF drive for lift	35 %

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. 36.34 Lakhs
	O & M cost:	Rs. 1.81 Lakhs/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 and Noise	Site Barricading and Dust Control Measures	6
2	Water	Tanker Water For Construction And Waste Water Management	7
3	Solid waste	Construction Waste Management	4

4	Occupation Health and safety	Health Checkup of Workers, , toilet, sanitation, Disinfection at Site, First Aid Facility, Personal Protective Equipment	8
5	Environmental Monitoring	Air, Noise, Water, Biological	7

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rainwater harvesting system	Rain water tank	10	1
2	Solid waste management	OWC, Manpower and colored dustbins	70	20
3	Green Belt Development	Landscaping and Tree plantation	30	6
4	Energy Saving Measures	LED Tube lights for common area lights and VVVF Drive for lift motor	36.34	1.81

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

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

52.Any Other Information

No Information Available

53.Traffic Management

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

Parking details:	**Number and area of basement:**	N.A.
	Number and area of podia:	N.A.
	Total Parking area:	14,897.18 sq.mt.
	Area per car:	23.96 sq.mt.
	Area per car:	23.96 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	62 nos.
	Number of 4-Wheelers as approved by competent authority:	622 nos.
	Public Transport:	N.A.
	Width of all Internal roads (m):	6 m wide Driveway
	CRZ/ RRZ clearance obtain, if any:	N.A.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	N.A.
	Category as per schedule of EIA Notification sheet	Schedule -8a, Category -B2
	Court cases pending if any	N.A.
	Other Relevant Informations	N.A.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Sanjay Chautalia, superintendent engineer, CIDCO was present during the meeting along with environmental consultant M/s. Fine Envirotech Engineers.

PP informed that, the project under consideration is *proposed new housing project under PMAY. PP further stated that, t*he total plot area of the project is 37,214.78 Sq.mt. having total construction area 134914.46 Sq.mt. (FSI - 76,393.01 Sq.mt. + NON FSI- 58,521.45 Sq.mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
LIG Buildings -2 nos. (Commercial + Residential)	Ground +21 Floors	64.325
LIG Buildings -3 nos.(Residential)	Ground + 22 Floors	66.61
LIG Buildings -2 nos. (Residential)	Ground + 14 Floors	44.235
EWS Buildings -7 nos. (Residential)	Ground + 14 Floors	43.650

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to ensure that slab of UG tank shown in OS 2,14 & 19 should be developed as RG.
2) PP i.e CIDCO to ensure that no possession to tenements shall be given before completion of the sewer lines and permission for the connection to the same by the competent authority. Local planning authority to also ensure that no occupation certificate is given to the project until sewer lines and storm water drain is developed and connected to the project
3) PP to ensure that, energy saving by solar energy should be at least 2 %.
4) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
5) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.

FINAL RECOMMENDATION

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

Agenda of 109th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 109 **Meeting Date** August 23, 2019

Subject: Environment Clearance for proposed Mass Housing Scheme of LIG -EWS Type Houses Under " PMAY Scheme" at Plot No.1, Sector No. 36, Taloja, Package -1A for CIDCO, Navi Mumbai.

Is a Violation Case: No

1.Name of Project	Construction of Mass Housing Scheme of LIG - EWS Type Houses Under " PMAY Scheme"
2.Type of institution	Government
3.Name of Project Proponent	City and Industrial Development Corporation of Maharashtra Limited (CIDCO Ltd)
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	N.A.
8.Location of the project	Plot No.1, Sector No. 36, Taloja, Package -1A for CIDCO, Navi Mumbai.
9.Taluka	Panvel
10.Village	Taloja, Navi Mumbai
Correspondence Name:	The Superintending Engineers (Housing-II), City and Industrial Development Corporation of Maharashtra Limited (CIDCO Ltd)
Room Number:	N.A.
Floor:	6th Floor
Building Name:	Raigad Bhavan
Road/Street Name:	Sakal Bhavan Road
Locality:	CBD Belapur
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	City and Industrial Development Corporation of Maharashtra (CIDCO)
12.IOD/IOA/Concession/Plan Approval Number	Development permission received from CIDCO dated:30/07/2019.
	IOD/IOA/Concession/Plan Approval Number: CIDCO/SR.ARCH (BP-IHP)/2019/350/E-104
	Approved Built-up Area: 76797.30
13.Note on the initiated work (If applicable)	Not started yet
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Development permission received from CIDCO dated:30/07/2019.
15.Total Plot Area (sq. m.)	37,193.23 sq.mt.
16.Deductions	5,578.98 sq.mt.
17.Net Plot area	31,614.25 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 76,797.30 sq.mt.
	b) Non FSI area (sq. m.): 58,603.02 sq.mt.
	c) Total BUA area (sq. m.): 135400.32
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 76,797.30 sq.mt.
	Approved Non FSI area (sq. m.): 58,603.02 sq.mt.
	Date of Approval: 30-07-2019
19.Total ground coverage (m2)	7,424.63 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.96 %
21.Estimated cost of the project	3137100000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	LIG Buildings - 4 nos. (Commercial + Residential)	Ground + 22 Floors	67.195
2	LIG Building - 1 no. (Residential)	Ground + 22 Floors	66.61
3	LIG Buildings - 3 nos. (Residential)	Ground + 14 Floors	43.650
4	EWS Buildings - 06 nos. (Residential)	Ground + 14 Floors	43.650

23.Number of tenants and shops	Residential tenements - 2,192 nos. Commercial Shops- 40 nos.
24.Number of expected residents / users	Residents - 10,960 nos., Commercial users - 153 nos.
25.Tenant density per hectare	590
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9
29.Existing structure (s) if any	N.A.
30.Details of the demolition with disposal (If applicable)	N.A

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**	CIDCO
	Fresh water (CMD):	2,009 kld
	Recycled water - Flushing (CMD):	N.A.
	Recycled water - Gardening (CMD):	N.A.
	Swimming pool make up (Cum):	N.A.
	Total Water Requirement (CMD) :	2,009 kld
	Fire fighting - Underground water tank(CMD):	600 Cum
	Fire fighting - Overhead water tank(CMD):	330 Cum
	Excess treated water	N.A.
Wet season:	**Source of water**	CIDCO
	Fresh water (CMD):	1,980 kld
	Recycled water - Flushing (CMD):	N.A.
	Recycled water - Gardening (CMD):	N.A.
	Swimming pool make up (Cum):	N.A.
	Total Water Requirement (CMD) :	1,980 kld
	Fire fighting - Underground water tank(CMD):	600 Cum
	Fire fighting - Overhead water tank(CMD):	330 Cum
	Excess treated water	N.A.
Details of Swimming pool (If any)	N.A.	

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:**	0.9 to 3.5 m below Ground level
	Size and no of RWH tank(s) and Quantity:	Size: 9m x 4.5, no of RWH tank - 02 nos., Quantity - 60 Cum
	Location of the RWH tank(s):	On Ground
	Quantity of recharge pits:	N.A.
	Size of recharge pits :	N.A.
	Budgetary allocation (Capital cost) :	Rs. 10 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1 Lakhs/annum
	Details of UGT tanks if any :	Fire fighting water tank –600 Cum Domestic water tank - 1479.75 Cum Commercial shop-1.17 cum
35.Storm water drainage	**Natural water drainage pattern:**	Open Storm water Drain with gratings
	Quantity of storm water:	1.21 m3/sec
	Size of SWD:	450/600/750 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	1,584 kld
	STP technology:	SBR Technology
	Capacity of STP (CMD):	Sewage generated will be connected to Nodal STP of capacity 32 mld of CIDCO at Taloja
	Location & area of the STP:	Location: Ground and area of STP- Sewage generated will be connected to Nodal STP of capacity 32 mld of CIDCO at Taloja
	Budgetary allocation (Capital cost):	N.A.
	Budgetary allocation (O & M cost):	N.A.
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated materials
	Disposal of the construction waste debris:	Excavation material shall be reused on site for backfilling and leveling.
Waste generation in the operation Phase:	**Dry waste:**	2,219 kg/day
	Wet waste:	3,515 kg/day
	Hazardous waste:	N.A.
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	N.A.
	Others if any:	N.A.

Mode of Disposal of waste:	**Dry waste:**	Wastes will be handed over to authorized agency/recycler
	Wet waste:	Waste will be process in Organic Waste Converter and compost will be used as manure for gardening.
	Hazardous waste:	N.A.
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	N.A.
	Others if any:	N.A.
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	90 sq.mt.
	Area for machinery:	30 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs.70 Lakhs
	O & M cost:	Rs.20 Lakhs/annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	5,832.37 sq.mt.
	No of trees to be cut :	23 nos.
	Number of trees to be planted :	470 nos.
	List of proposed native trees :	Karnaj, Shivan, Putranjiva, Sonchapa, Palas, Shiris, Kanchan,Bhava, Savar, Pangara, Kadamba, Sita Ashok and Bakul.
	Timeline for completion of plantation :	Till 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	Pongamia pinnata	Karanj	38	Fast growing, deciduous, drought tolerant Evergreen tree with shiny leaf and pink white flowers.
2	Gmelia arbora	Shivan	97	Fast growing tree with beautiful yellow flowers.
3	Putranjia roxburghii	Putranjia	57	Medium sized evergreen tree
4	Michealia champaca	Sonchapa	41	Medium sized evergreen tree
5	Butea monosperma	Palas	57	Medium sized deciduous tree, Beautiful orange flowers, Butterfly host plant
6	Albizzia lebbek	Shiris	25	Shady tree, yellowish green fragrant flowers.
7	Bauhinea purpurea	Kanchan	12	Good drought resistant & air purifier & medicinal properties.
8	Cassia Fistula	Bhava	22	Medium sized deciduous tree. Beautiful yellow flowers. butterfly host plant
9	Erytherina indica	Pangara	09	Medium sized deciduous tree, Bright scarlet flowers.
10	Anthoceohallus kadamb	Kadamba	62	Large tree, ball shaped flowers medicinal values, Control soil erosion.
11	Seraca asoka	Sita Ashok	16	Shady tree with red yellow flowers.
12	Minusops elengi	Bakul	29	Small, shady tree with shiny green leaves having star shape fragrant flowers having medicinal property
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	N.A.	N.A.	N.A.

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	250 KW
	DG set as Power back-up during construction phase	250 KVA
	During Operation phase (Connected load):	6061.08 KW
	During Operation phase (Demand load):	4040.72 KW
	Transformer:	1000 KVA x 2Nos + 630 KVA x 4Nos
	DG set as Power back-up during operation phase:	3 nos. of DG sets of capacity 160 KVA, 200 KVA and 320 KVA each
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	N.A.

48.Energy saving by non-conventional method:

- Use of LED Lights instead of T5 type tube light in common areas
- Use of VVVF drive for all the Lifts for energy saving.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED Lights instead of T5 type tube light in common areas	36 %
2	Use of VVVF drive for all the Lifts for energy saving.	35 %

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 36.5. Lakhs
	O & M cost:	Rs.. 2.0. Lakhs/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 and Noise	Site Barricading and Dust Control Measures	5
2	Water	Tanker Water For Construction And Waste Water Management	6

3	Solid waste	Construction Waste Management	3
4	Occupation Health and safety	Health Checkup of Workers, , toilet, sanitation, Disinfection at Site, First Aid Facility, Personal Protective Equipment	8
5	Environmental Monitoring	Air, Noise, Water, Biological	7

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rainwater harvesting system	Rain water tank	10	1.0
2	Solid waste management	OWC, Manpower and colored dustbins	70	20
3	Green Belt Development	Landscaping and Tree plantation	30	6.0
4	Energy Saving Measures	LED Lights instead of T5 type tube light in common areas and VVVF drive for all the Lifts for energy saving.	36.5	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:	2 nos.

Parking details:	**Number and area of basement:**	N.A.
	Number and area of podia:	NA
	Total Parking area:	14,901.44 sq.mt.
	Area per car:	23.96 sq.mt.
	Area per car:	23.96 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	62 nos.
	Number of 4-Wheelers as approved by competent authority:	622 nos.
	Public Transport:	N.A.
	Width of all Internal roads (m):	6 m wide Driveway
	CRZ/ RRZ clearance obtain, if any:	N.A.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	N.A.
	Category as per schedule of EIA Notification sheet	Schedule -8a,Category -B2
	Court cases pending if any	N.A.
	Other Relevant Informations	N.A.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Sanjay Chautalia, superintendent engineer, CIDCO was present during the meeting along with environmental consultant M/s. Fine Envirotech Engineers.

PP informed that, the project under consideration is *proposed new housing project under PMAY. PP further stated that, t*he total plot area of the project is 37,193.23 Sq.mt. having total construction area 135400.32 Sq.mt. (FSI - 76,797.30 Sq.mt. + NON FSI- 58,603.02 Sq.mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
LIG Buildings - 4 nos. (Commercial + Residential)	Ground + 22 Floors	67.195
LIG Building - 1 no. (Residential)	Ground + 22 Floors	66.61
LIG Buildings - 3 nos. (Residential)	Ground + 14 Floors	43.650
EWS Buildings - 06 nos. (Residential)	Ground + 14 Floors	43.650

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

Specific Conditions by SEAC:

1) PP to ensure that slab of UG tank shown in OS 2 & 3 should be developed as RG.
2) PP i.e CIDCO to ensure that no possession to tenements shall be given before completion of the sewer lines and permission for the connection to the same by the competent authority. Local planning authority to also ensure that no occupation certificate is given to the project until sewer lines and storm water drain is developed and connected to the project.
3) PP to ensure that, energy saving by solar energy should be at least 2 %.
4) PP has informed that, there is no mangroves cover on site and site is not a wetland as defined in "Wetland atlas". PP agreed to deal with mangroves, if any present on site as per procedure prescribed by Hon. High court in these matter. The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
5) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.

FINAL RECOMMENDATION

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

Agenda of 109th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 109 **Meeting Date** August 23, 2019

Subject: Environment Clearance for proposed Mass Housing Scheme of LIG -EWS Type Houses Under " PMAY Scheme" at Plot No.2, Sector No. 36, Taloja, Package -1A for CIDCO, Navi Mumbai.

Is a Violation Case: No

1.Name of Project	Proposed Mass Housing Scheme of LIG -EWS Type Houses Under " PMAY Scheme"
2.Type of institution	Government
3.Name of Project Proponent	City and Industrial Development Corporation of Maharashtra Limited (CIDCO Ltd)
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Plot No.2, Sector No. 36, Taloja, Package -1A for CIDCO, Navi Mumbai.
9.Taluka	Panvel
10.Village	Taloja, Navi Mumbai
Correspondence Name:	The Superintending Engineers (Housing-II), City and Industrial Development Corporation of Maharashtra Limited (CIDCO)
Room Number:	N.A.
Floor:	6th Floor
Building Name:	Raigad Bhavan
Road/Street Name:	Sakal Bhavan Road
Locality:	CBD Belapur
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	City and Industrial Development Corporation of Maharashtra (CIDCO)
12.IOD/IOA/Concession/Plan Approval Number	Development permission received from CIDCO dated:30/07/2019.
	IOD/IOA/Concession/Plan Approval Number: CIDCO/SR.ARCH (BP-IHP)/2019/349/E-103
	Approved Built-up Area: 65730.82
13.Note on the initiated work (If applicable)	Not started yet
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Development permission received from CIDCO dated:30/07/2019.
15.Total Plot Area (sq. m.)	32,955.47 sq.mt.
16.Deductions	4,943.32 sq.mt.
17.Net Plot area	28,012.15 sq.mt.
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 65,730.82 sq.mt.
	b) Non FSI area (sq. m.): 50,308.77 sq.mt.
	c) Total BUA area (sq. m.): 116039.59
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 65,730.82 sq.mt.
	Approved Non FSI area (sq. m.): 50,308.77 sq.mt.
	Date of Approval: 30-07-2019
19.Total ground coverage (m2)	6,474.43 sq.mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	19.64 %
21.Estimated cost of the project	2718100000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	LIG Building s - 3 nos. (Commercial + Residential)	Ground + 22 Floors	67.195
2	LIG Building s - 1 no. (Residential)	Ground +22 Floors	66.61
3	EWS Building s - 9 no. (Residential)	Ground + 14 Floors	43.650

23.Number of tenants and shops	Residential tenements - 1,935 nos. Commercial Shops- 30 nos.
24.Number of expected residents / users	Residents - 9,675 nos., Commercial users - 115 nos.
25.Tenant density per hectare	590
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	24 m
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	N.A.
30.Details of the demolition with disposal (If applicable)	N.A.

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**	CIDCO
	Fresh water (CMD):	1,772 kld
	Recycled water - Flushing (CMD):	N.A.
	Recycled water - Gardening (CMD):	N.A.
	Swimming pool make up (Cum):	N.A.
	Total Water Requirement (CMD) :	1,772 kld
	Fire fighting - Underground water tank(CMD):	600 Cum
	Fire fighting - Overhead water tank(CMD):	300 Cum
	Excess treated water	N.A.
Wet season:	**Source of water**	CIDCO
	Fresh water (CMD):	1,746 kld
	Recycled water - Flushing (CMD):	N.A.
	Recycled water - Gardening (CMD):	N.A.
	Swimming pool make up (Cum):	N.A.
	Total Water Requirement (CMD) :	1,746 kld
	Fire fighting - Underground water tank(CMD):	600 Cum
	Fire fighting - Overhead water tank(CMD):	300 Cum
	Excess treated water	N.A.
Details of Swimming pool (If any)	N.A.	

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:**	0.9 to 3.5 m below Ground level
	Size and no of RWH tank(s) and Quantity:	Size: 9m x 4.5, No of RWH tank - 02 nos., Quantity - 60 Cum
	Location of the RWH tank(s):	Ground
	Quantity of recharge pits:	N.A.
	Size of recharge pits :	N.A.
	Budgetary allocation (Capital cost) :	Rs. 10 Lakhs
	Budgetary allocation (O & M cost) :	Rs. 1 Lakhs/annum
	Details of UGT tanks if any :	Fire fighting water tank –600 Cum Domestic water tank - 1306.5 Cum Commercial shop- 3.9 cum
35.Storm water drainage	**Natural water drainage pattern:**	Open Storm water Drain with gratings
	Quantity of storm water:	1.07 m3/sec
	Size of SWD:	450/600/750 mm wide
Sewage and Waste water	**Sewage generation in KLD:**	1,397 kld
	STP technology:	SBR Technology
	Capacity of STP (CMD):	Sewage generated will be connected to nodal STP of capacity 32 mld of CIDCO at Taloja
	Location & area of the STP:	Location: Ground and area of STP- Sewage generated will be connected to nodal STP of capacity 32 mld of CIDCO at Taloja
	Budgetary allocation (Capital cost):	N.A.
	Budgetary allocation (O & M cost):	N.A.
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Excavated materials
	Disposal of the construction waste debris:	Excavation material shall be reused on site for backfilling and leveling.
Waste generation in the operation Phase:	**Dry waste:**	1,955 kg/day
	Wet waste:	3,103 kg/day
	Hazardous waste:	N.A.
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	N.A.
	Others if any:	N.A.

Mode of Disposal of waste:	**Dry waste:**	Wastes will be handed over to authorized agency/recycler
	Wet waste:	Waste will be process in Organic Waste Converter and compost will be used as manure for gardening.
	Hazardous waste:	N.A.
	Biomedical waste (If applicable):	N.A.
	STP Sludge (Dry sludge):	N.A.
	Others if any:	N.A.
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	90 sq.mt.
	Area for machinery:	30 sq.mt.
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. .60 Lakhs
	O & M cost:	Rs.16 Lakhs/annum

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	5,158.37 sq.mt.
	No of trees to be cut :	30 nos.
	Number of trees to be planted :	415 nos.
	List of proposed native trees :	Karnaj, Shivan, Putranjiva, Sonchapa, Palas, Shiris, Kanchan,Bhava, Savar, Pangara, Kadamba, Sita Ashok and Bakul.
	Timeline for completion of plantation :	Till 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	Pongamia pinnata	Karanj	46	Fast growing, deciduous, drought tolerant Evergreen tree with shiny leaf and pink white flowers.
2	Gmelia arbora	Shivan	39	Fast growing tree with beautiful yellow flowers.
3	Putranjia roxburghii	Putranjia	30	Medium sized evergreen tree
4	Michealia champaca	Sonchapa	41	Medium sized evergreen tree
5	Butea monosperma	Palas	57	Medium sized deciduous tree, Beautiful orange flowers, Butterfly host plant
6	Albizzia lebbek	Shiris	25	Shady tree, yellowish green fragrant flowers.
7	Bauhinea purpurea	Kanchan	25	Good drought resistant & air purifier & medicinal properties.
8	Cassia fistula	Bhava	29	Medium sized deciduous tree. Beautiful yellow flowers. butterfly host plant
9	Erytherina indica	Pangara	10	Medium sized deciduous tree, Bright scarlet flowers.
10	Anthoceohallus kadamb	Kadamba	52	Large tree, ball shaped flowers medicinal values, Control soil erosion.
11	Seraca asoka	Sita Ashok	30	Shady tree with red yellow flowers.
12	Minusops elengi	Bakul	31	Small, shady tree with shiny green leaves having star shape fragrant flowers having medicinal property
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	N.A.	N.A.	N.A.

47.Energy

Power requirement:	**Source of power supply :**	MSEDCL
	During Construction Phase: (Demand Load)	250 KW
	DG set as Power back-up during construction phase	250 KVA
	During Operation phase (Connected load):	5208.62 KW
	During Operation phase (Demand load):	3472.41KW
	Transformer:	1000 KVA x 2 Nos, 630 KVA x 3 Nos
	DG set as Power back-up during operation phase:	3 nos. of DG sets of capacity 125 KVA, 200kVA, 320 KVA – 1 No. each
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	N.A.

48.Energy saving by non-conventional method:

- Use of LED Lights instead of T5 tube lights in common areas
- Use of VVVF drives for Lift motors

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Use of LED Lights instead of T5 tube lights in common areas	36 %
2	Use of VVVF drives for Lift motors	35 %

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 16.5 Lakhs
	O & M cost:	Rs. 1.1 Lakhs/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 and Noise	Site Barricading and Dust Control Measures	5
2	Water	Tanker Water For Construction And Waste Water Management	6

3	Solid waste	Construction Waste Management	3
4	Occupation Health and safety	Health Checkup of Workers, , toilet, sanitation, Disinfection at Site, First Aid Facility, Personal Protective Equipment	8
5	Environmental Monitoring	Air, Noise, Water, Biological	7

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Rainwater harvesting system	Rain water tank	10	1
2	Solid waste management	OWC, Manpower and colored dustbins	60	16
3	Green Belt Development	Landscaping and Tree plantation	30	6
4	Energy Saving Measures	LED Lights instead of T5 tube lights in common areas and VVVF drives for Lift motors	16.5	1.1

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:	2 nos.

Parking details:	**Number and area of basement:**	N.A.
	Number and area of podia:	N.A.
	Total Parking area:	13,132.42 sq.mt.
	Area per car:	23.96 sq.mt.
	Area per car:	23.96 sq.mt.
	Number of 2-Wheelers as approved by competent authority:	55 nos.
	Number of 4-Wheelers as approved by competent authority:	548 nos.
	Public Transport:	N.A.
	Width of all Internal roads (m):	6 m wide Driveway
	CRZ/ RRZ clearance obtain, if any:	N.A.
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	N.A.
	Category as per schedule of EIA Notification sheet	Schedule -8a,Category -B2
	Court cases pending if any	N.A.
	Other Relevant Informations	N.A.
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Sanjay Chautalia, superintendent engineer, CIDCO was present during the meeting along with environmental consultant M/S. Fine Envirotech Engineers.

PP informed that, the project under consideration is *proposed new housing project under PMAY. PP further stated that, t*he total plot area of the project is 32,955.47 Sq.mt having total construction area 116039.59 Sq.mt.(FSI – 65,730.82 sq.mt +NON FSI- 50,308.77 Sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
LIG Building s - 3 nos. (Commercial + Residential)	Ground + 22 Floors	67.195
LIG Building s - 1 no. (Residential)	Ground +22 Floors	66.61
EWS Building s - 9 no. (Residential)	Ground + 14 Floors	43.650

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to ensure that slab of UG tank shown in OS 1,3 & 11 should be developed as RG.
2) PP i.e CIDCO to ensure that no possession to tenements shall be given before completion of the sewer lines and permission for the connection to the same by the competent authority. Local planning authority to also ensure that no occupation certificate is given to the project until sewer lines and storm water drain is developed and connected to the project
3) PP to ensure that, energy saving by solar energy should be at least 2 %.
4) PP has informed that, there is no mangroves cover on site and site is not a wetland as defined in “Wetland atlas”. PP agreed to deal with mangroves, if any present on site as per procedure prescribed by Hon. High court in these matter.
5) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
6) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department.

FINAL RECOMMENDATION

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

Agenda of 109th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 109 **Meeting Date** August 23, 2019

Subject: Environment Clearance for Expansion of Residential buildings with shopline and Bunglows at village Sandor, Taluka Vasai,District Palghar

Is a Violation Case: No

1.Name of Project	Expansion of Residential buildings with shopline and Bunglows
2.Type of institution	Private
3.Name of Project Proponent	Mr. Anil Kantilal Shah, Mahavir Mahalaxmi Realtors LLP
4.Name of Consultant	Dr. D.A. Patil ; Mahabal Enviro Engg. Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	-
8.Location of the project	Land bearing S.No. 185 H.No.11, S.No.186 H.No.1 & 12, S.No.188 H.No.5, 7, 8, 9, 10, 11,12A, 12B, 13,14A, 14B & 15, S.No.189 H.No.11, 12, 13, S.No. 190 H.No.1, 2, 3, 5 & 6 at Village:- Sandor, Tal:- Vasai Dist Palghar, Maharashtra.
9.Taluka	Vasai
10.Village	Sandor
Correspondence Name:	Mr. Anil Kantilal Shah Mahavir Mahalaxmi Realtors LLP,
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	Lalgodown Navghar, Vasai road west
Locality:	Palghar -401202
City:	Vasai Virar City
11.Whether in Corporation / Municipal / other area	VVCMC (Vasai-Virar City Municipal Corporation)
12.IOD/IOA/Concession/Plan Approval Number	Approval letter no.R.D.P. order No. VVCMC /TP /RDP/VP-5793/011/2016-17. Dated: 16.07.2016 received from VVCMC
	IOD/IOA/Concession/Plan Approval Number: Approval letter no.R.D.P. order No. VVCMC /TP /RDP/VP-5793/011/2016-17. Dated: 16.07.2016 received from VVCMC
	Approved Built-up Area: 9989.19
13.Note on the initiated work (If applicable)	Yes construction Work is carried out as per the approvals / Sanction from VVCMC vide letter no : R.D.P. order No. VVCMC /TP /RDP/VP-5793/011/2016-17. Dated: 16.07.2016 for Plot area 9,750.00 m2 having F.S.I area 5,938.2 m2 and Total Construction Area 9,989.19 m2
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Approval letter no.R.D.P. order No. VVCMC /TP /RDP/VP-5793/011/2016-17. Dated: 16.07.2016 received from VVCMC
15.Total Plot Area (sq. m.)	9,930.00 m2
16.Deductions	2,796.36 m2
17.Net Plot area	7,133.64 m2
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 16,010.36 m2
	b) Non FSI area (sq. m.): 11,020.85 m2
	c) Total BUA area (sq. m.): 27031.21
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 5938.2 m2
	Approved Non FSI area (sq. m.): 4050.99 m2
	Date of Approval: 16-07-2016
19.Total ground coverage (m2)	1691.39 m2
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	17.03%

21.Estimated cost of the project	637700000

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Wing A	G+17F	52.45m
2	Wing B	G+9F	29.65m
3	Wing C	G+14F	43.90m
4	Wing D	G+12F	38.20m
5	Wing E	G+14F	43.90m
6	Wing F	G+17F	52.45m
7	Bunglows	G+1F	6.60m
8	CFC Building	G+2F	10.40m

23.Number of tenants and shops	Flats: 401 Nos, Shops :22 Nos, Bunglows:2 Nos & Assembly Hall : 2 Nos
24.Number of expected residents / users	2099 Nos.
25.Tenant density per hectare	403.82/ha
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	The project site is accessible by 20m Wide Bangli Road (D.P.) and 30 m wide D.P. road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29.Existing structure (s) if any	NA
30.Details of the demolition with disposal (If applicable)	NA

31.Production Details

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

32.Total Water Requirement

Dry season:	**Source of water**	VVCMC
	Fresh water (CMD):	183KLD
	Recycled water - Flushing (CMD):	92 KLD
	Recycled water - Gardening (CMD):	5 KLD
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	276 KLD
	Fire fighting - Underground water tank(CMD):	As per CFO norms
	Fire fighting - Overhead water tank(CMD):	As per CFO norms
	Excess treated water	157 KLD
Wet season:	**Source of water**	VVCMC +RWH
	Fresh water (CMD):	154 KLD + 29 KLD
	Recycled water - Flushing (CMD):	92 KLD
	Recycled water - Gardening (CMD):	0 KLD
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	276KLD
	Fire fighting - Underground water tank(CMD):	As per CFO norms
	Fire fighting - Overhead water tank(CMD):	As per CFO norms
	Excess treated water	162 KLD
Details of Swimming pool (If any)	NA	

33.Details of Total water consumed

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

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	2 to 3 m
	Size and no of RWH tank(s) and Quantity:	1 RWH tank with capacity of 60KL capacity
	Location of the RWH tank(s):	Underground
	Quantity of recharge pits:	---
	Size of recharge pits :	---
	Budgetary allocation (Capital cost) :	Rs. 14 lacs
	Budgetary allocation (O & M cost) :	Rs.1 lacs/yr
	Details of UGT tanks if any :	UG Tanks will be provided as per NBC norms on underground
35.Storm water drainage	**Natural water drainage pattern:**	The land is flat. The slope of the area is towards west side of the plot.
	Quantity of storm water:	1133.17 m3/hr
	Size of SWD:	400 mm X 450 mm
Sewage and Waste water	**Sewage generation in KLD:**	257 KLD
	STP technology:	MBBR
	Capacity of STP (CMD):	1 STP of Total 275 KLD capacity
	Location & area of the STP:	Ground
	Budgetary allocation (Capital cost):	Rs.63 Lacs
	Budgetary allocation (O & M cost):	Rs. 15 Lacs /yr
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Construction Debris: : 785 m3
	Disposal of the construction waste debris:	The construction debris will be utilized at project site for paving and land leveling.
Waste generation in the operation Phase:	**Dry waste:**	410 Kg/d
	Wet waste:	614 Kg/d
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	3 m3/day
	Others if any:	-

Mode of Disposal of waste:	**Dry waste:**	Dry waste will be handed over to the authorized vendor.
	Wet waste:	Biodegradable waste will be treated in Mechanical composting unit
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Sludge use as manure for gardening
	Others if any:	-
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	50 m2
	Area for machinery:	26 m2
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Rs. 28 Lacs
	O & M cost:	Rs. 11 Lacs/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 :**	R.G. Area Provided : 973.91 m2
	No of trees to be cut :	0 Nos
	Number of trees to be planted :	90 Nos.
	List of proposed native trees :	As mentioned below
	Timeline for completion of plantation :	Trees will be planted after completion of construction work

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Azadiracta indica	Neem	07	Large tree, good for roadside plantation
2	Saraca asoka	Sita Ashok	07	Shady tree with red-yellow flowers.
3	Cassia fistula	Bahava	05	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
4	Mimusops elengi	Bakul	05	Shady tree, small white fragrant flowers
5	Bauhinia acuminate	kanchan	05	Fragrant Flower , attract birds, bees and butterflies
6	Terminalia catappa	Indian Badam	05	Shady Tree, good for roadside plantation
7	Sapindus mukorossi	Ritha	04	Deciduous tree, has natural cleansing properties.
8	Schleichera oleosa	Kusum	05	It is a large deciduous (nearly evergreen) tree and a shade spreading crown
9	Spathodea campanulata	Spathodea	04	showy reddish-orange or crimson open flowers are cup-shaped and hold rain and dew , attractive to many species of birds
10	Peltophorum pterocarpum	Peltophorum	05	Deciduous tree Ornamental Tree
11	Annona squamosa	Sitaphal	06	Small, well-branched and fruit bearing tree
12	Syzygium cumini	Jambhul	04	evergreen tropical tree, seeds of Fruit used for medicinal purpose
13	Phyllanthus emblica	Avala	05	Deciduous tree, In traditional Indian medicine, dried and fresh fruits of the plant are used
14	Grevillea robusta	Silver Oak	04	fast-growing evergreen tree,
15	Pongamia pinnata	Karanj	04	Shady tree.
16	Ficus retusa	Nandruk	03	Shady tree, good for roadside plantation
17	Albizia lebbeck	Shirish	05	Shady tree, yellowish green fragrant flowers
18	Bauhinia racemosa	Apta	04	Small tree with small white flowers, Butterfly host plant

19	Butea monosperma	Palas	03	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant
45.Total quantity of plants on ground				

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

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

47.Energy

Power requirement:	**Source of power supply :**	MSEB
	During Construction Phase: (Demand Load)	200kVA
	DG set as Power back-up during construction phase	200kVA
	During Operation phase (Connected load):	3.4 MW
	During Operation phase (Demand load):	1.8 MW
	Transformer:	NA
	DG set as Power back-up during operation phase:	Total 600kVA (2X 300kVA)
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	NO

48.Energy saving by non-conventional method:

- Solar street lights are proposed for common area such as open spaces, pathways, RG etc.
- Solar hot water will be provided.

49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Energy saving using solar hot water and energy efficient lighting	>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 lacs
	O & M cost:	Rs. 1 lacs/yr

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	---	2.5
2	Site sanitation and Potable Water Supply to Labour	---	6.0
3	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories -Ambient Air (RSPM,PM2.5, So2, Nox, CO) Noise leq day time and night time	3.0
4	Health check-up & first aid	---	2.5
5	Safety Personal Protective Equipment	Helmets , Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.)	8.0
6	Traffic Management	Sign Boards, Persons at entry exit and Parking area	2.5
7	Tyre cleaning and Vehicle maintenance	----	1.5
8	Safety Training to Workers (Twice in Year), Safety Officer	---	3.0
9	Solid waste Management &site Maintenance activity	---	2.0
10	Disinfection	---	1.0

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M Environment Monitoring; Monthly, STP outlet, water quality for pH, BOD, COD, SS and O & G	63	15
2	Solar System	Weekly	20	1
3	Rainwater harvesting	During rainy season (Cleaning of UG tanks and filtration units before rainy season)	14	1
4	Solid Waste Composting plant	Continuous O & M Environment Monirоring ; Monthly to assess the compost quality	28	11
5	Landscape	Daily	10	1

6	Environmental Monitoring	As per the CPCB guidelines through MoEF Approved laboratories	--	4

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

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

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	-
Parking details:	**Number and area of basement:**	NIL
	Number and area of podia:	NIL
	Total Parking area:	5364.5 m2
	Area per car:	28.5 m2
	Area per car:	28.5 m2
	Number of 2-Wheelers as approved by competent authority:	403 Nos.
	Number of 4-Wheelers as approved by competent authority:	167 Nos.
	Public Transport:	--
	Width of all Internal roads (m):	6 m and 9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Tungareshwar wildlife sanctuary at distance of 6.00km from project site .
	Category as per schedule of EIA Notification sheet	8 (a)

	Court cases pending if any	NO
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

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

PP informed that, the project under consideration is expansion of housing project. PP further stated that, the total plot area of the project is 9,930.00 Sq.mt having total construction area 27031.21 Sq.mt. (FSI - 16,010.36Sq. mt. + NON FSI- 11,020.85 Sq. mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
Wing A	G+17F	52.45m
Wing B	G+9F	29.65m
Wing C	G+14F	43.90m
Wing D	G+12F	38.20m
Wing E	G+14F	43.90m
Wing F	G+17F	52.45m
Bunglows	G+1F	6.60m
CFC Building	G+2F	10.40m

It is noted that the project earlier considered in 103rd (Day-1) Meeting held on 20-06-2019 & deferred with observations namely 1) to submit the detail chronology of the project. 2) to submit dated Architect certificate addressing to committee regarding building wise construction (Configuration, FSI, NoN-FSI, TBUA) approvals from local Authority, actual construction done and proposed expansion. 3) to give details along with explanatory note for disposal of sewage and storm water. 4) to also submit details about availability of drinking water in the project site and certificate from concerned authority in this regard. Accordingly, PP submitted the compliance which was taken on record.

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

DECISION OF SEAC

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

Specific Conditions by SEAC:

1) PP to submit & upload the copy of Government resolution regarding TDR policy.
2) The PP to give status of construction of sewage disposal system and storm water drainage of the local planning authority around the project area and submit the remarks of local planning authority about time line of completion and commissioning of these. The PP to also explore in consultation with local planning authority the possibility of expediting completion of sewage disposal network from its CER funds.
3) Local planning authority to ensure the structural stability of building for which vertical expansion (G+7 to G+14) is proposed.

FINAL RECOMMENDATION

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

Agenda of 109th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 109 **Meeting Date** August 23, 2019

Subject: Environment Clearance for Environmental Clearance for Pradhan Mantri Awas Yojana PMAY Housing Scheme at Plot no. 1, Sector 1A, Taloja, Taluka: Panvel, District: Raigad, Sate: Maharashtra

Is a Violation Case: No

1.Name of Project	PMAY Housing Scheme at Plot no. 1, Sector 1A, Taloja, Taluka: Panvel, District: Raigad, Sate: Maharashtra
2.Type of institution	Government
3.Name of Project Proponent	City and Industrial Development Corporation of Maharashtra Limited (CIDCO), Mr. Mallesha P. Pujari (Superintending Engineer)
4.Name of Consultant	M/s. ULTRA TECH
5.Type of project	Housing project (PMAY)
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	--
8.Location of the project	Plot no. 1, Sector 1A
9.Taluka	Panvel
10.Village	--
Correspondence Name:	City and Industrial Development Corporation of Maharashtra Limited (CIDCO)
Room Number:	--
Floor:	--
Building Name:	CIDCO Bhavan
Road/Street Name:	--
Locality:	CBD-Belapur
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	Panvel Municipal Corporation (PMC)
12.IOD/IOA/Concession/Plan Approval Number	--
	IOD/IOA/Concession/Plan Approval Number: --
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	39610.00 Sq. mt.
16.Deductions	--
17.Net Plot area	--
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 83,190.86 Sq.mt.
	b) Non FSI area (sq. m.): 77,729.89 Sq.mt.
	c) Total BUA area (sq. m.): 160920.75
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 0 Sq. mt.
	Approved Non FSI area (sq. m.): 0 Sq. mt.
	Date of Approval: 09-08-2019
19.Total ground coverage (m2)	8,536.34 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	22 %
21.Estimated cost of the project	3704588316.38

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	18 no. of Buildings	Ground +19 Floors	58.40 mt.
2	Society Office & Community Center	--	--

23.Number of tenants and shops	Flats: 2648 nos. Shops: 27 nos.
24.Number of expected residents / users	10673 nos.
25.Tenant density per hectare	668 / 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)	46.00 mt. wide National Highway No.4
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Shall be submitted
29.Existing structure (s) if any	There are existing structures at site which shall be demolished
30.Details of the demolition with disposal (If applicable)	Demolition debris shall be disposed to the authorized land fill site with permission of local authority

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**	CIDCO
	Fresh water (CMD):	1477 KLD (Domestic, Flushing & Gardening)
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1477 KLD
	Fire fighting - Underground water tank(CMD):	Shall be submitted
	Fire fighting - Overhead water tank(CMD):	Shall be submitted
	Excess treated water	--
Wet season:	**Source of water**	CIDCO/Partly by RWH
	Fresh water (CMD):	1434 KLD (Domestic & Flushing)
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	1434 KLD
	Fire fighting - Underground water tank(CMD):	Shall be submitted
	Fire fighting - Overhead water tank(CMD):	Shall be submitted
	Excess treated water	--
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:**	5.50 mt. to 6.50 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	Shall be submitted
	Location of the RWH tank(s):	Shall be submitted
	Quantity of recharge pits:	Shall be submitted
	Size of recharge pits :	Shall be submitted
	Budgetary allocation (Capital cost) :	Shall be submitted
	Budgetary allocation (O & M cost) :	Shall be submitted
	Details of UGT tanks if any :	Shall be submitted
35.Storm water drainage	**Natural water drainage pattern:**	Shall be submitted
	Quantity of storm water:	Shall be submitted
	Size of SWD:	Shall be submitted
Sewage and Waste water	**Sewage generation in KLD:**	1242 KLD: Sewage will be discharged into existing nodal STP at Taloja phase I, Sector 12 for treatment
	STP technology:	--
	Capacity of STP (CMD):	--
	Location & area of the STP:	--
	Budgetary allocation (Capital cost):	--
	Budgetary allocation (O & M cost):	--
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Demolition debris shall be disposed to the authorized land fill site with permission of local authority
	Disposal of the construction waste debris:	Construction waste material shall be partly recycled and remaining shall be disposed to the authorized land fill site with permission of local authority
Waste generation in the operation Phase:	**Dry waste:**	2865 kg/day
	Wet waste:	1910 kg/day
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	--
	Others if any:	--

Mode of Disposal of waste:	**Dry waste:**	To PMC.
	Wet waste:	Treatment in OWC
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Use as manure
	Others if any:	--
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	Shall be submitted
	Area for machinery:	Shall be submitted
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Shall be submitted
	O & M cost:	Shall be submitted

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	Shall be submitted
	No of trees to be cut :	Shall be submitted
	Number of trees to be planted :	Shall be submitted
	List of proposed native trees :	Shall be submitted
	Timeline for completion of plantation :	Shall be submitted

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

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

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

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

47.Energy

Power requirement:	**Source of power supply :**	Shall be submitted
	During Construction Phase: (Demand Load)	Shall be submitted
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	Shall be submitted
	During Operation phase (Demand load):	Shall be submitted
	Transformer:	--
	DG set as Power back-up during operation phase:	Shall be submitted
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	100 mt. wide power corridor passing through the plot

48.Energy saving by non-conventional method:

Shall be submitted

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

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

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	--	--	--

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
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:	Shall be submitted

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	Shall be submitted
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	185 Nos.
	Number of 4-Wheelers as approved by competent authority:	754 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Shall be submitted
	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	8b (B1)
	Court cases pending if any	--
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

Representative of PP Mr. Sanjay Chautalia, superintend Engineer, CIDCO was present during the meeting along with environmental consultant. M/s. Ultra-Tech.

PP informed that, the project under consideration is new housing project under PMAY. PP further stated that, the total plot area of the project is 39610.00 Sq.mt. having total construction area 160920.75Sq.mt (FSI - 83,190.86 sq.mt +NON FSI- 77,729.89 sq.mt) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
18 no. of Buildings	Ground +19 Floors	58.40 mt.
Society Office & Community Center	--	--
Sale Building 1: One Building with 6 wings (Wing A to F)	--	--

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

After discussion, Committee approved the ToR with following observations & additions, which is valid upto 23/8/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.

Specific Conditions by SEAC:

1) PP to upload acknowledgement regarding plan submitted to local planning authority.
2) PP to submit the DP remarks.
3) PP to submit the NoC from high tension Authority regarding high tension line
4) PP to submit the railway NoC.
5) PP to submit the NoC from National highway authority.
6) PP to submit the CFO NoC.
7) Committee noted that, there is no current storm water & sewerage network PP to submit the timeline regarding commissioning of sewerage network & storm water drain NOC from local planning authority
8) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
9) PP to submit the topography of the site along with earmark the major nalla artery present on site.
10) PP to ensure ECBC norms are complied.
11) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
12) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
13) PP to ensure that maximum treated water should be recycled.
14) PP to submit demolition & debris disposal /waste management plan.
15) PP to submit project specific DMP.
16) PP to ensure that RG required is as per the norms and should be on Mother Earth
17) PP to submit & upload the design & cross section of STPs indicating minimum 40% area open to sky for adequate ventilation.
18) PP to verify the distance of project site from Flamingo Sanctuary. PP to submit & upload the same.
19) PP to verify the distance of project site from Flamingo Sanctuary. PP to submit & upload the same.
20) PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area.
21) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above

FINAL RECOMMENDATION

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

Agenda of 109th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 109 **Meeting Date** August 23, 2019

Subject: Environment Clearance for Environmental Clearance for Pradhan Mantri Awas Yojana (PMAY) Housing Scheme along with Truck Terminal Facility at Plot 1A of Sector 19, Vashi, Taluka & District: Thane State: Maharashtra

Is a Violation Case: No

1.Name of Project	PMAY Housing Scheme along with Truck Terminal Facility at Plot 1A of Sector 19, Vashi, Taluka & District: Thane State: Maharashtra
2.Type of institution	Government
3.Name of Project Proponent	City and Industrial Development Corporation of Maharashtra Limited (CIDCO) Mr. Mallesha P. Pujari (Superintending Engineer)
4.Name of Consultant	M/s. ULTRA TECH
5.Type of project	Housing project (PMAY)
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	--
8.Location of the project	Plot no. 1A of Sector 19
9.Taluka	Thane
10.Village	Vashi
Correspondence Name:	City and Industrial Development Corporation of Maharashtra Limited (CIDCO)
Room Number:	--
Floor:	--
Building Name:	CIDCO Bhavan
Road/Street Name:	--
Locality:	CBD-Belapur
City:	Navi Mumbai
11.Whether in Corporation / Municipal / other area	Municipal Corporation: Navi Mumbai Municipal Corporation (NMMC); Planning Authority: City and Industrial Development Corporation of Maharashtra Limited (CIDCO)
12.IOD/IOA/Concession/Plan Approval Number	--
	IOD/IOA/Concession/Plan Approval Number: --
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	56,720.00 Sq. mt.
16.Deductions	--
17.Net Plot area	--
18 (a).Proposed Built-up Area (FSI & Non-FSI)	**a) FSI area (sq. m.):** 1,17,742.21 Sq. mt.
	b) Non FSI area (sq. m.): 1,12,712.71 Sq.mt.
	c) Total BUA area (sq. m.): 230454.92
18 (b).Approved Built up area as per DCR	**Approved FSI area (sq. m.):** 0 Sq. mt.
	Approved Non FSI area (sq. m.): 0 Sq. mt.
	Date of Approval: 09-08-2019
19.Total ground coverage (m2)	32710.86 Sq. mt.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	57.67 %
21.Estimated cost of the project	6220341286.71

22.Number of buildings & its configuration

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	15 nos. of Residential Building	Ground + Podium + Podium/Stilt + 24 Floors each	79.95 mt.
2	3 Nos. of Commercial Buildings	Ground	7.2 mt.
3	Bus Terminal Facility: 2 Nos. of Buildings	Ground	7.2 mt.

23.Number of tenants and shops	Flats: 3131 nos. Shops: 89 nos.
24.Number of expected residents / users	Shall be submitted
25.Tenant density per hectare	Shall be submitted
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s)	32.50 mt. wide Vashi Turbhe Road, 29.50 mt. wide Palm Beach Road and Truck Terminal Street and 21 m wide road
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Shall be submitted
29.Existing structure (s) if any	There is a truck terminal and small existing structures on site
30.Details of the demolition with disposal (If applicable)	Shall be Submitted

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**	CIDCO
	Fresh water (CMD):	Shall be Submitted
	Recycled water - Flushing (CMD):	Shall be Submitted
	Recycled water - Gardening (CMD):	Shall be Submitted
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	Shall be Submitted
	Fire fighting - Underground water tank(CMD):	Shall be Submitted
	Fire fighting - Overhead water tank(CMD):	Shall be Submitted
	Excess treated water	Shall be Submitted
Wet season:	**Source of water**	CIDCO/Partly by RWH
	Fresh water (CMD):	Shall be Submitted
	Recycled water - Flushing (CMD):	Shall be Submitted
	Recycled water - Gardening (CMD):	Shall be Submitted
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	Shall be Submitted
	Fire fighting - Underground water tank(CMD):	Shall be Submitted
	Fire fighting - Overhead water tank(CMD):	Shall be Submitted
	Excess treated water	Shall be Submitted
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	--	--	--	--	--	--	--	--	--

34.Rain Water Harvesting (RWH)	**Level of the Ground water table:**	3.50 mt. to 4.00 mt. below ground level
	Size and no of RWH tank(s) and Quantity:	Details Shall be Submitted
	Location of the RWH tank(s):	Details Shall be Submitted
	Quantity of recharge pits:	Details Shall be Submitted
	Size of recharge pits :	Shall be Submitted
	Budgetary allocation (Capital cost) :	Shall be Submitted
	Budgetary allocation (O & M cost) :	Shall be Submitted
	Details of UGT tanks if any :	Location of UG tanks: Underground
35.Storm water drainage	**Natural water drainage pattern:**	The storm water collected through the storm water drains of adequate capacity will be discharged into the external SWD.
	Quantity of storm water:	Shall be submitted
	Size of SWD:	Shall be submitted
Sewage and Waste water	**Sewage generation in KLD:**	Shall be submitted
	STP technology:	Shall be submitted
	Capacity of STP (CMD):	Package Type Sewage Treatment Plant (PTP) will be proposed
	Location & area of the STP:	Shall be submitted
	Budgetary allocation (Capital cost):	Shall be submitted
	Budgetary allocation (O & M cost):	Shall be submitted
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	**Waste generation:**	Demolition debris shall be disposed to the authorized land fill site with permission of local authority.
	Disposal of the construction waste debris:	Construction waste material shall be partly recycled and remaining shall be disposed to the authorized land fill site with permission of local authority.
Waste generation in the operation Phase:	**Dry waste:**	Shall be submitted
	Wet waste:	Shall be submitted
	Hazardous waste:	NA
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	Shall be submitted
	Others if any:	--

Mode of Disposal of waste:	**Dry waste:**	To NMMC
	Wet waste:	Treatment in OWC
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Shall be submitted
	Others if any:	--
Area requirement:	**Location(s):**	Ground
	Area for the storage of waste & other material:	Shall be submitted
	Area for machinery:	Shall be submitted
Budgetary allocation (Capital cost and O&M cost):	**Capital cost:**	Shall be submitted
	O & M cost:	Shall be submitted

37.Effluent Charecterestics

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

38.Hazardous Waste Details

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

39.Stacks emission Details

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

40.Details of Fuel to be used

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

43.Green Belt Development	**Total RG area :**	10306.32 Sq.mt.
	No of trees to be cut :	Shall be submitted
	Number of trees to be planted :	Shall be submitted
	List of proposed native trees :	Shall be submitted
	Timeline for completion of plantation :	Before occupancy

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

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	--	--	--	--
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 :**	Shall be submitted
	During Construction Phase: (Demand Load)	Shall be submitted
	DG set as Power back-up during construction phase	As per requirement
	During Operation phase (Connected load):	Shall be submitted
	During Operation phase (Demand load):	Shall be submitted
	Transformer:	--
	DG set as Power back-up during operation phase:	Shall be submitted
	Fuel used:	Diesel
	Details of high tension line passing through the plot if any:	no

48.Energy saving by non-conventional method:

Shall be submitted

49.Detail calculations & % of saving:

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

50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Sewage	--	Package Type Sewage Treatment Plant (PTP) will be proposed
Solid waste	--	Organic Waste Convertor

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

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Shall be submitted	Shall be submitted	Shall be submitted

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Shall be submitted	Shall be submitted	Shall be submitted	Shall be submitted

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:	Shall be submitted

Parking details:	**Number and area of basement:**	NA
	Number and area of podia:	NA
	Total Parking area:	Shall be submitted
	Area per car:	--
	Area per car:	--
	Number of 2-Wheelers as approved by competent authority:	80 Nos.
	Number of 4-Wheelers as approved by competent authority:	4W: 1000 Nos. And Trucks: 349 Nos.
	Public Transport:	Not Applicable
	Width of all Internal roads (m):	Shall be submitted
	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	8b (B1)
	Court cases pending if any	--
	Other Relevant Informations	--
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

Summorised in brief information of Project as below.

Brief information of the project by SEAC

PP was present during the meeting along with environmental consultant M/s. M/s. ULTRA TECH.

PP informed that, the project under consideration is new housing project under PMAY. PP further stated that, the total plot area of the project is 56,720.00 Sq.mt having total construction area 230454.92 Sq. mt. (FSI - 1,17,742.21 Sq.mt. + NON FSI- 1,12,712.71 Sq. mt.) and the building configuration is as follow-

Building Name & number	Number of floors	Height (Mtrs)
15 nos. of Residential Building	Ground + Podium + Podium/Stilt + 24 Floors each	79.95 mt.
3 Nos. of Commercial Buildings	Ground	7.2 mt.
Bus Terminal Facility: 2 Nos. of Buildings	Ground	7.2 mt.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of compliances, form 1, 1A, presentation & plans submitted are taken on the record.

DECISION OF SEAC

After discussion, Committee approved the ToR with following observations & additions, which is valid upto 23/8/2022. EIA will be apprised as & when submitted. Meanwhile PP should comply following points.

Specific Conditions by SEAC:

1) PP to upload acknowledgement regarding plan submitted to local planning authority.
2) PP to submit the DP remarks.
3) Committee noted that, the project is mix used development i.e development of truck terminus, commercial & housing but the DP remark is truck terminus. PP to submit the note regarding whether as per DP reservation proposal of development of housing & commercial is feasible or not with supporting documents.
4) PP to study the detail traffic analysis considering the movement of the trucks.
5) PP to provide the separate liquid waste disposal system to residential component & truck terminus.
6) PP to submit the detail socio economic study with respect to residence & truck driver in one premise.
7) PP to submit the measures proposed to mitigate the noise & air pollution due to truck terminus e.g structural design of the windows etc to be provided to buildings near to truck terminus.
8) PP to explore the possibility to build the truck terminus as closed structure.
9) PP to submit the sewerage network, water supply, storm water drain NOC from local planning authority.
10) PP to submit the detail biodiversity chapter in EIA considering the eco-sensitivity of the site.
11) PP to ensure ECBC norms are complied.
12) PP to submit the fire tender plan.
13) PP to submit the topography of the site along with earmark the major nalla artery present on site.
14) PP to submit Contour and slope analysis super imposed with storm water drain, sewer line map in the project and 500 mtr around the project.
15) PP to submit & upload wind analysis, shadow analysis, traffic analysis, light and ventilation analysis and measures to reduce heat island effect.
16) PP to ensure that maximum treated water should be recycled.
17) PP to submit demolition & debris disposal /waste management plan.
18) PP to submit project specific DMP.
19) PP to ensure that RG required is as per the norms and should be on Mother Earth.
20) PP to submit & upload the design & cross section of STPs indicating minimum 40% area open to sky for adequate ventilation.
21) PP to also refer standard ToR published by MoEF vide order dated 10/04/15 in addition to above

FINAL RECOMMENDATION

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