

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

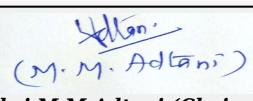
| | |
|--|--|
| 1.Name of Project | Proposed Layout with Construction of EWS, LIG, MIG and HIG Tenements |
| 2.Type of institution | Government |
| 3.Name of Project Proponent | Mumbai Housing and Area Development Board, Mumbai (A MHADA Unit) |
| 4.Name of Consultant | Fine Envirotech Engineers |
| 5.Type 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: | Grisha Nirman Bhavan, Kalandar, 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) | <p>a) FSI area (sq. m.): 73,904.16 sq.mt.</p> <p>b) Non FSI area (sq. m.): 20,455.65 sq.mt.</p> <p>c) Total BUA area (sq. m.): 94359.81</p> |
| 18 (b).Approved Built up area as per DCR | <p>Approved FSI area (sq. m.): 73,904.16 sq.mt.</p> <p>Approved Non FSI area (sq. m.): 20,455.65 sq.mt.</p> <p>Date of Approval: 16-01-2019</p> |
| 19.Total ground coverage (m2) | 5,558.55 sq.mt. |



Mr. Surykant Nikam
(Secretary SEAC-II)

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Shri M.M. Adtani (Chairman SEAC-II)

| | |
|---|------------|
| 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 |

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| 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

| | | | | |
|---|---|--|--------------|---|
|  | Mr. Surykant Nikam (Secretary SEAC-II) | SEAC Meeting No: 109 Meeting Date: August 23, 2019 | Page 2 of 87 |  Shri M.M.Adtani (Chairman SEAC-II) |
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| 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 | Not applicable | | | | | | | |

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| 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 |

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| 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 |

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| 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 Charecteristics

| Serial Number | Parameters | Unit | Inlet Effluent Charecteristics | Outlet Effluent Charecteristics | 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

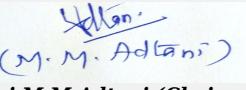
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable |

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 | | |

| | | | | |
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|-----------------------------------|---|--|
| 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 |

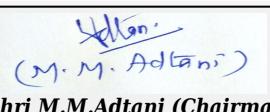
44. Number and list of trees species to be planted in the ground

| 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

| | | | |
|---|---|---------------------|---|
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|---|---|---------------------|---|

| | | |
|---------------------------|--|--------------------------------------|
| 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

Summarised in brief information of Project as below.

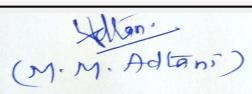
Brief information of the project by SEAC



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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:

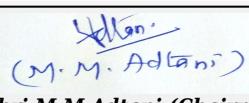
- 1) PP i.e MHADA to get plot area of 39,902.65 Sq.mt. officially sub divided through collector.
- 2) PP to edit the online CS with respect to the application of plot area 39,902.65 Sq.mt
- 3) PP to provide the elevated tree plantation structure between plot boundary & DP road also PP to provide clear 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.



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FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000314



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Nikam
(M. M. Adtani)

Shri M.M.Adtani (Chairman
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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 |

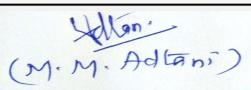
22.Number of buildings & its configuration



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**Shri M.M.Adtani (Chairman
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| 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

| | | | |
|---|---|----------------------|---|
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|---|---|----------------------|---|

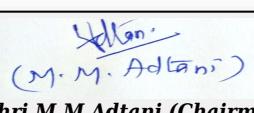
| Dry season: | Source of water | CIDCO | | | | | | | |
|--|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | Fresh water (CMD): | 1,509 kld | | | | | | | |
| | Recycled water - Flushing (CMD): | N.A. | | | | | | | |
| | 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 |



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| | | |
|---|---|--|
| 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 Charecteristics

| Serial Number | Parameters | Unit | Inlet Effluent Charecteristics | Outlet Effluent Charecteristics | 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 |

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 | | |

| | | | | |
|---|---|---|----------------------|--|
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| | | |
|-----------------------------------|---|---|
| 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 |

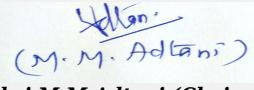
44. Number and list of trees species to be planted in the ground

| 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 | Anthocephallus 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

| | | | |
|---|---|----------------------|---|
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| | | |
|---------------------------|---|-------------------------------------|
| 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):

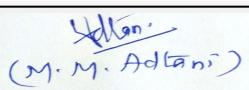
| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|---------------|--|------------------------------------|
| 1 | Air and Noise | Site Barricading and Dust Control Measures | 5 |
| 2 | Water | Tanker Water For Construction And Waste Water Management | 6 |
| 3 | Solid Waste | Construction Waste Management | 3 |



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| | | | |
|---|------------------------------|--|---|
| 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 (inflammable/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

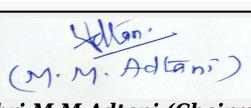
| | | |
|--|---|--------|
| | Nos. of the junction to the main road & design of confluence: | 3 nos. |
|--|---|--------|



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| | | |
|-------------------------|--|---------------------------|
| 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

Summarised in brief information of Project as below.

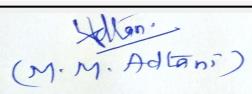
Brief information of the project by SEAC



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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, the 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

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:

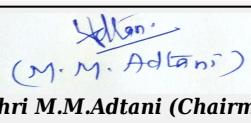
- 1) PP to relocate the parking around OS 5 & provide requisite RG (OS) on mother earth.
- 2) PP i.e CIDCO to ensure that no possession to tenements shall be given before completion of the sewer lines and permission for the connection to the same by the competent authority. Local planning authority to 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.



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FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000314



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(M. M. Adtani)

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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.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 |

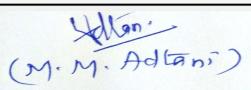
22.Number of buildings & its configuration



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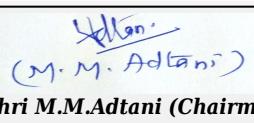
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) | |
|--|--|--------------------|-------------------------------|----------------|
| 1 | LIG Buildings -2 nos. (Commercial + Residential) | Ground +21 Floors | 64.325 | |
| 2 | LIG Buildings -3 nos. (Residential)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



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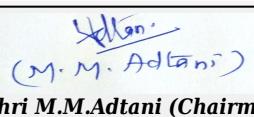
| Dry season: | Source of water | CIDCO | | | | | | | |
|--|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | Fresh water (CMD): | 2,019 kld | | | | | | | |
| | Recycled water - Flushing (CMD): | N.A. | | | | | | | |
| | 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 |



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| | | |
|---------------------------------------|---|---|
| 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 Charecteristics

| Serial Number | Parameters | Unit | Inlet Effluent Charecteristics | Outlet Effluent Charecteristics | 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

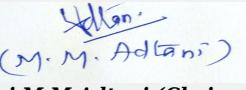
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable |

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 | | |

| | | | | |
|---|---|---|----------------------|--|
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| | | |
|----------------------------------|--|---|
| 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 |

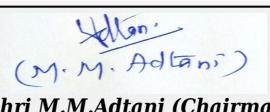
44.Number and list of trees species to be planted in the ground

| 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 | Anthocephallus 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

| | | | |
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| | | |
|---------------------------|--|---|
| 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):

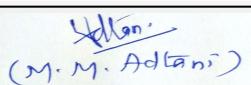
| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|---------------|--|------------------------------------|
| 1 | Air and Noise | Site Barricading and Dust Control Measures | 6 |
| 2 | Water | Tanker Water For Construction And Waste Water Management | 7 |
| 3 | Solid waste | Construction Waste Management | 4 |



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| | | | |
|---|------------------------------|--|---|
| 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 (inflammable/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

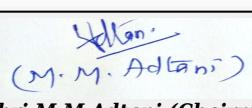
| | | |
|--|---|--------|
| | Nos. of the junction to the main road & design of confluence: | 3 nos. |
|--|---|--------|



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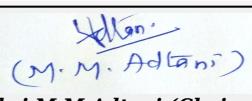
| | | |
|--|--|----------------------------|
| Parking details: | Number and area of basement: | N.A. |
| | Number and area of podia: | N.A. |
| | Total Parking area: | 14,897.18 sq.mt. |
| | Area per car: | 23.96 sq.mt. |
| | Area per car: | 23.96 sq.mt. |
| | Number of 2-Wheelers as approved by competent 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 | | |
| Summarised in brief information of Project as below. | | |
| Brief information of the project by SEAC | | |



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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, the 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

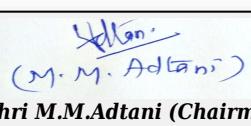
DECISION OF SEAC



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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

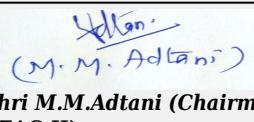
SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions



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**Shri M.M. Adtani (Chairman
SEAC-II)**

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 |

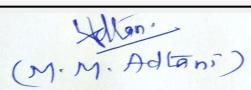
22.Number of buildings & its configuration



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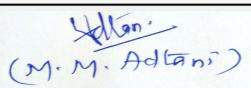
**Shri M.M.Adtani (Chairman
SEAC-II)**

| 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 |



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SEAC-II)

| | | |
|---|---|---|
| 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 Charecteristics

| Serial Number | Parameters | Unit | Inlet Effluent Charecteristics | Outlet Effluent Charecteristics | 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

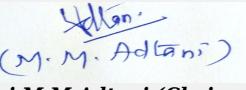
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable |

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 | | |

| | | | | |
|---|---|---|----------------------|--|
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| | | |
|----------------------------------|---|---|
| 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 |

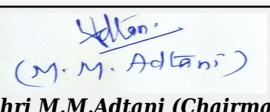
44.Number and list of trees species to be planted in the ground

| 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 | Anthocephallus 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

| | | | |
|---|---|----------------------|--|
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|---|---|----------------------|--|

| | | |
|---------------------------|--|---|
| 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

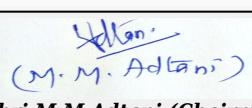
| | | |
|--|---|--------|
| | Nos. of the junction to the main road & design of confluence: | 2 nos. |
|--|---|--------|



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| | | |
|-------------------------|--|---------------------------|
| 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

Summarised in brief information of Project as below.

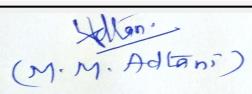
Brief information of the project by SEAC



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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, the 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

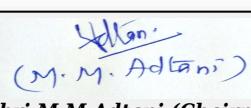
DECISION OF SEAC



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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

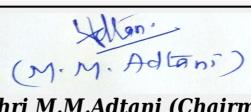
SEAC-II have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions



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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 |

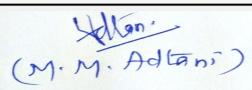
22.Number of buildings & its configuration



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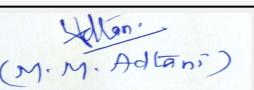
**Shri M.M.Adtani (Chairman
SEAC-II)**

| 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

| | | | |
|--|--|---------------|--|
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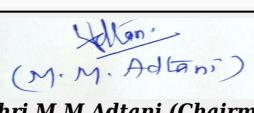
| Dry season: | Source of water | CIDCO | | | | | | | |
|--|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | Fresh water (CMD): | 1,772 kld | | | | | | | |
| | Recycled water - Flushing (CMD): | N.A. | | | | | | | |
| | 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 |



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| | | |
|---------------------------------------|---|---|
| 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 Charecteristics

| Serial Number | Parameters | Unit | Inlet Effluent Charecteristics | Outlet Effluent Charecteristics | 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

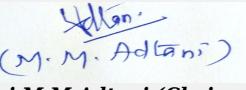
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable |

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 | | |

| | | | | |
|---|---|---|----------------------|--|
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|---|---|---|----------------------|--|

| | | |
|-----------------------------------|---|---|
| 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 |

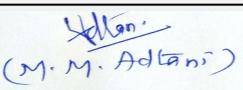
44. Number and list of trees species to be planted in the ground

| 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 | Bauhinia 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 | Erythrina indica | Pangara | 10 | Medium sized deciduous tree, Bright scarlet flowers. |
| 10 | Anthocephalus 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

| | | | |
|---|---|----------------------|---|
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|---|---|----------------------|---|

| | | |
|---------------------------|--|---|
| 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 (inflammable/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

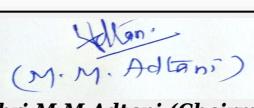
| | |
|---|--------|
| Nos. of the junction to the main road & design of confluence: | 2 nos. |
|---|--------|



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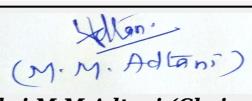
| | | |
|--|--|---------------------------|
| Parking details: | Number and area of basement: | N.A. |
| | Number and area of podia: | N.A. |
| | Total Parking area: | 13,132.42 sq.mt. |
| | Area per car: | 23.96 sq.mt. |
| | Area per car: | 23.96 sq.mt. |
| | Number of 2-Wheelers as approved by competent 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 | | |
| Summarised in brief information of Project as below. | | |
| Brief information of the project by SEAC | | |



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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, the 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

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:

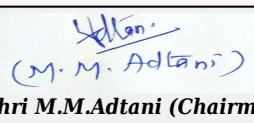
- 1) PP to ensure that slab of UG tank shown in OS 1,3 & 11 should be developed as RG.
- 2) PP i.e CIDCO to ensure that no possession to tenements shall be given before completion of the sewer lines and permission for the connection to the same by the competent authority. Local planning authority to 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.



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(M. M. Adtani)

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FINAL RECOMMENDATION

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

SEAC-AGENDA-0000000314



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Nikam
(M. M. Adtani)

Shri M.M.Adtani (Chairman
SEAC-II)

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

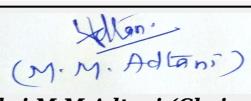
| | |
|---|--|
| 1. Name of Project | Expansion of Residential buildings with shopline and Bunglows |
| 2. Type of institution | Private |
| 3. Name of Project Proponent | Mr. Anil Kantilal Shah, Mahavir Mahalaxmi Realtors LLP |
| 4. Name of Consultant | Dr. D.A. Patil ; Mahabal Enviro Engg. Pvt. Ltd. |
| 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% |



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| | |
|-----------------------------------|-----------|
| 21. Estimated cost of the project | 637700000 |
|-----------------------------------|-----------|

22. Number of buildings & its configuration

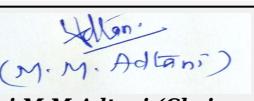
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|------------------|-------------------------------|
| 1 | Wing A | G+17F | 52.45m |
| 2 | Wing B | G+9F | 29.65m |
| 3 | Wing C | G+14F | 43.90m |
| 4 | Wing D | G+12F | 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

| | | | | |
|---|---|--|------------------|--|
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|---|---|--|------------------|--|

| 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 |
| 35. Storm water drainage | Details of UGT tanks if any : | UG Tanks will be provided as per NBC norms on underground |
| | 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 m ³ /hr |
| Sewage and Waste water | Size of SWD: | 400 mm X 450 mm |
| | 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 m ³ |
| | 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 m ³ /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 m ² |
| | Area for machinery: | 26 m ² |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 28 Lacs |
| | O & M cost: | Rs. 11 Lacs/yr |

37.Effluent Charecteristics

| Serial Number | Parameters | Unit | Inlet Effluent Charecteristics | Outlet Effluent Charecteristics | 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

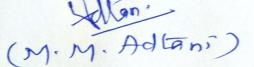
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable |

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 | | |

| | | | |
|---|---|----------------------|--|
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|---|---|----------------------|--|

| | | |
|-----------------------------------|--|---|
| 43. Green Belt Development | Total RG area : | R.G. Area Provided : 973.91 m ² |
| | 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 | Azadirachta 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 acuminata | 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):

| | | | |
|---|---|----------------------|--|
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|---|---|----------------------|--|

| 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, So ₂ , 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 Moniroring ; 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 (inflammable/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 podium: | NIL |
| | Total Parking area: | 5364.5 m ² |
| | Area per car: | 28.5 m ² |
| | Area per car: | 28.5 m ² |
| | 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

Summarised in brief information of Project as below.

Brief information of the project by SEAC

SEAC-AGENDA-0000000314



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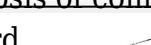
Representative of PP Mr. Kunal shah was present during the meeting along with environmental consultant M/s. Mahabal Enviro Engg. Pvt. Ltd.

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 - 16,010.36 Sq. 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 |

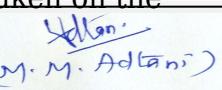
It is noted that the project earlier considered in 103rd (Day-1) Meeting held on 20-06-2019 & deferred with observations namely 1) to submit the detail chronology of the project. 2) to submit dated Architect certificate addressing to committee regarding building wise construction (Configuration, FSI, 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.


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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.

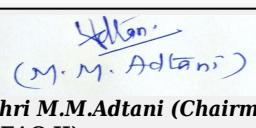
SEAC-AGENDA-00000000314



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(M. M. Adtani)

Shri M.M.Adtani (Chairman
SEAC-II)

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, State: Maharashtra

Is a Violation Case: No

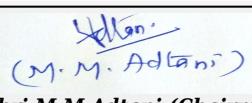
| | |
|---|--|
| 1.Name of Project | PMAY Housing Scheme at Plot no. 1, Sector 1A, Taloja, Taluka: Panvel, District: Raigad, State: Maharashtra |
| 2.Type of institution | Government |
| 3.Name of Project Proponent | City and Industrial Development Corporation of Maharashtra Limited (CIDCO), Mr. Mallesha 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 | 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 | <p>IOD/IOA/Concession/Plan Approval Number: --</p> <p>Approved Built-up Area:</p> |
| 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) | <p>a) FSI area (sq. m.): 83,190.86 Sq.mt.</p> <p>b) Non FSI area (sq. m.): 77,729.89 Sq.mt.</p> <p>c) Total BUA area (sq. m.): 160920.75</p> |
| 18 (b).Approved Built up area as per DCR | <p>Approved FSI area (sq. m.): 0 Sq. mt.</p> <p>Approved Non FSI area (sq. m.): 0 Sq. mt.</p> <p>Date of Approval: 09-08-2019</p> |
| 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 |



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**Shri M.M.Adtani (Chairman
SEAC-II)**

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 / 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) | 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 |

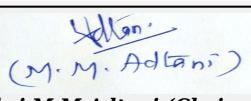
32. Total Water Requirement



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| 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 Charecteristics

| Serial Number | Parameters | Unit | Inlet Effluent Charecteristics | Outlet Effluent Charecteristics | 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

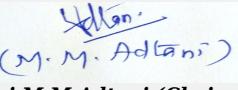
| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|
| 1 | Not applicable |

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 | | -- | | |

| | | | | |
|---|---|---|----------------------|--|
|  | Mr. Surykant Nikam (Secretary SEAC-II) | SEAC Meeting No: 109 Meeting Date: August 23, 2019 | Page 72 of 87 |  Shri M.M.Adtani (Chairman SEAC-II) |
|---|---|---|----------------------|--|

| | | |
|----------------------------------|--|--------------------|
| 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 (inflammable/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

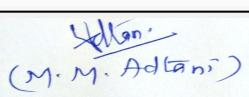
| | | |
|--|---|--------------------|
| | Nos. of the junction to the main road & design of confluence: | Shall be submitted |
|--|---|--------------------|



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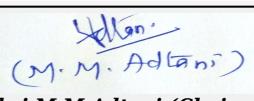
| | | |
|--|--|--------------------|
| Parking details: | Number and area of basement: | NA |
| | Number and area of podia: | NA |
| | Total Parking area: | Shall be submitted |
| | Area per car: | -- |
| | Area per car: | -- |
| | Number of 2-Wheelers as approved by competent authority: | 185 Nos. |
| | 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 | | |
| Summarised in brief information of Project as below. | | |
| Brief information of the project by SEAC | | |



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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 160920.75 Sq.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

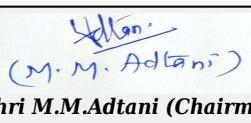
DECISION OF SEAC



Mr. Surykant Nikam
(Secretary SEAC-II)

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SEAC-II)

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

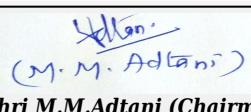
The Committee decided to Grant ToR subject to the above observations, PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.



**Mr. Surykant Nikam
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**Shri M.M. Adtani (Chairman
SEAC-II)**

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

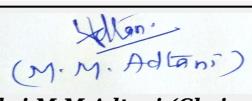
| | |
|---|---|
| 1.Name of Project | PMAY Housing Scheme along with Truck Terminal Facility at Plot 1A of Sector 19, Vashi, Taluka & District: Thane State: Maharashtra |
| 2.Type of institution | Government |
| 3.Name of Project Proponent | City and Industrial Development Corporation of Maharashtra 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 | <p>IOD/IOA/Concession/Plan Approval Number: --</p> <p>Approved Built-up Area:</p> |
| 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) | <p>a) FSI area (sq. m.): 1,17,742.21 Sq. mt.</p> <p>b) Non FSI area (sq. m.): 1,12,712.71 Sq.mt.</p> <p>c) Total BUA area (sq. m.): 230454.92</p> |
| 18 (b).Approved Built up area as per DCR | <p>Approved FSI area (sq. m.): 0 Sq. mt.</p> <p>Approved Non FSI area (sq. m.): 0 Sq. mt.</p> <p>Date of Approval: 09-08-2019</p> |
| 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 |



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**Shri M.M.Adtani (Chairman
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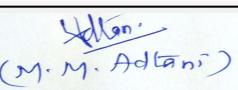
22. Number of buildings & its configuration

| 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

| | | | |
|--|--|------------------|--|
|  Mr. Surykant Nikam (Secretary SEAC-II) | SEAC Meeting No: 109 Meeting Date: August 23, 2019 | Page 79 of 87 |  Shri M.M. Adtani (Chairman SEAC-II) |
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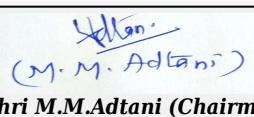
| Dry season: | Source of water | CIDCO | | | | | | | |
|--|---|---------------------|-------|------------|----------|-------|----------------|----------|-------|
| | Fresh water (CMD): | Shall be Submitted | | | | | | | |
| | Recycled water - Flushing (CMD): | Shall be Submitted | | | | | | | |
| | 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 | -- | -- | -- | -- | -- | -- | -- | -- | -- |



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| | | |
|---|---|---|
| 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 Charecteristics

| Serial Number | Parameters | Unit | Inlet Effluent Charecteristics | Outlet Effluent Charecteristics | 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 (inflammable/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

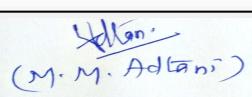
| | | |
|--|---|--------------------|
| | Nos. of the junction to the main road & design of confluence: | Shall be submitted |
|--|---|--------------------|



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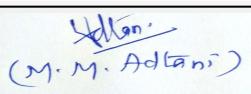
| | | |
|--|--|------------------------------------|
| Parking details: | Number and area of basement: | NA |
| | Number and area of podia: | NA |
| | Total Parking area: | Shall be submitted |
| | Area per car: | -- |
| | Area per car: | -- |
| | Number of 2-Wheelers as approved by competent authority: | 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 | | |
| Summarised in brief information of Project as below. | | |
| Brief information of the project by SEAC | | |



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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



Mr. Surykant Nikam
(Secretary SEAC-II)

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(M. M. Adtani)

Shri M.M.Adtani (Chairman
SEAC-II)

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.
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- 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

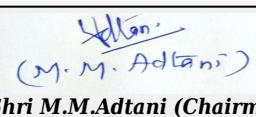
The Committee decided to Grant ToR subject to the above observations, PP requested to prepare and submit EIA report as per EIA Notification, 2006 and amendments thereof.



**Mr. Surykant Nikam
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