


Agenda of 110th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 110 Meeting Date August 30, 2019

Subject: Environment Clearance for New Super speciality hospital Building in Dr. D.Y. Patil Hospital Complex located on plot no. 2, Sector 5, Nerul, Navi Mumbai by M/s. Continental Medicare Foundation.

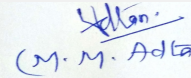
Is a Violation Case: No

| | |
|---|---|
| 1.Name of Project | New Super speciality hospital Building in Dr. D.Y. Patil Hospital Complex |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | M/s. Continental Medicare Foundation. |
| 4.Name of Consultant | Building Environment India Pvt.Ltd. |
| 5.Type of project | Buildings and Constructions |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Not applicable |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Not applicable |
| 8.Location of the project | D Y Patil Hospital Complex, Plot No - 2, Sector - 5, Nerul, Navi Mumbai |
| 9.Taluka | Thane |
| 10.Village | Nerul Node |
| Correspondence Name: | Dr Anupam Karmarkar |
| Room Number: | Administration Department |
| Floor: | 3rd floor |
| Building Name: | D.Y. Patil Hospital |
| Road/Street Name: | na |
| Locality: | Nerul |
| City: | Navi Mumbai |
| 11.Whether in Corporation / Municipal / other area | Navi Mumbai |
| 12.IOD/IOA/Concession/Plan Approval Number | Concession Layout approved by Navi Mumbai Municipal Corporation IOD/IOA/Concession/Plan Approval Number: LOI dated 20.06.2018, Vide Letter NMMC/ TPO/ ADTP/2495/2018 Approved Built-up Area: 92500 |
| 13.Note on the initiated work (If applicable) | Dr. D.Y. Patil Hospital and Research Centre was founded in 2004 over an area of 60000 sq.mt. The hospital has 1500 beds, 100 bed ICU, 15 bed operation theatre, 24x7 charitable casualty and trauma centre. The project had received clearance in 2004 for an area of 20000 sq. m. It got an additional clearance for another 8000 sq.m in 2017. The organisation now plans an expansion in its complex by construction of new super speciality hospital building for which it has received approval from the local authorities. However the total construction area is now going beyond 20000 sq.m and hence the project requires a prior environmental clearance. |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | LOI dated 20.06.2018, Vide Letter NMMC/ TPO/ ADTP/2495/2018 |
| 15.Total Plot Area (sq. m.) | 60000 |
| 16.Deductions | -- |
| 17.Net Plot area | 60000 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): $60000 \times 1.541 = 92500$ Total (Existing + Proposed) = $(43820.176 + 44436.400) = 88256.0176$ b) Non FSI area (sq. m.): Total (Existing + Proposed) = $(3928.01 + 22937.027) = 26865.041$ c) Total BUA area (sq. m.): 67373.427 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 92500 ; Proposed Building : 44436.400 (Existing Hospital Building : 20149+8282.053 = 28431.053 sq. m, Medical College: 15388.012,) Approved Non FSI area (sq. m.): 26865.041 Proposed Building :22937.026 (Existing Hospital Building : 3928.01) Date of Approval: 20-06-2018 |
| 19.Total ground coverage (m2) | 6933.323 |


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(Secretary SEAC-II)

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| | | | | |
|---|---|------------------------------|--------------------------------------|---------------------|
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 11.56 | | | |
| 21.Estimated cost of the project | 202000000 | | | |
| 22.Number of buildings & its configuration | | | | |
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) | |
| 1 | Building No 1 | 2 basement; Ground+ 9 floors | 45 | |
| 2 | 9Building No 1 | 2 basement; Ground+ 9 floors | 45 | |
| 23.Number of tenants and shops | none | | | |
| 24.Number of expected residents / users | 4989 | | | |
| 25.Tenant density per hectare | NA | | | |
| 26.Height of the building(s) | | | | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 9 m | | | |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 6-9m | | | |
| 29.Existing structure (s) if any | 1 hospital building which has received C.C in 2004 for an area of 20000 sq.m which further received a C.C in 2017 for an area of 8000 sq.m and 15000 sq.m for medical college area had received clearance prior to 2004 | | | |
| 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 | NMMC/ STP/ WATER TANKER |
| | Fresh water (CMD): | 240 |
| | Recycled water - Flushing (CMD): | 152.4 |
| | Recycled water - Gardening (CMD): | 1.6 |
| | Swimming pool make up (Cum): | NA |
| | Total Water Requirement (CMD) : | 396 |
| | Fire fighting - Underground water tank(CMD): | 6.1L/Min/sqm or 37L/Min/m length of water curtain |
| | Fire fighting - Overhead water tank(CMD): | 4.1L/Min/sqm |
| | Excess treated water | 191 |
| Wet season: | Source of water | NMMC/RWH/STP |
| | Fresh water (CMD): | 240 |
| | Recycled water - Flushing (CMD): | 152.4 |
| | Recycled water - Gardening (CMD): | 1.6 |
| | Swimming pool make up (Cum): | NA |
| | Total Water Requirement (CMD) : | 396 |
| | Fire fighting - Underground water tank(CMD): | 6.1L/Min/sqm or 37L/Min/m length of water curtain |
| | Fire fighting - Overhead water tank(CMD): | 4.1L/Min/sqm |
| | Excess treated water | 208 |
| Details of Swimming pool (If any) | na | |

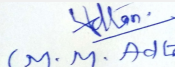
33.Details of Total water consumed

| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
|-------------------------|-------------------|----------|-------|------------|----------|-------|----------------|----------------|----------------|
| | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Fresh water requirement | Not applicable | 394 | 394 | 00 | 00 | 00 | Not applicable | Not applicable | Not applicable |
| Domestic | Not applicable | 242 | 242 | 00 | 00 | 00 | Not applicable | Not applicable | Not applicable |
| Gardening | Not applicable | 1.6 | 1.6 | 00 | 00 | 00 | Not applicable | Not applicable | Not applicable |


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| | | | | | | | | | |
|----------------------------|----------------|-----|-----|----|----|----|----------------|----------------|----------------|
| Cooling tower & thermopack | Not applicable | 176 | 176 | 00 | 00 | 00 | Not applicable | Not applicable | Not applicable |
|----------------------------|----------------|-----|-----|----|----|----|----------------|----------------|----------------|

| | | |
|---------------------------------------|---|--|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | 1.50 - 2 m BGL |
| | Size and no of RWH tank(s) and Quantity: | 1 days of storage capacity |
| | Location of the RWH tank(s): | Underground (Lowest Basement Level) |
| | Quantity of recharge pits: | NA |
| | Size of recharge pits : | 30 m ³ /day - capacity of each recharge pit |
| | Budgetary allocation (Capital cost) : | 10 lacs |
| | Budgetary allocation (O & M cost) : | 1 lac |
| | Details of UGT tanks if any : | adequate capacity tanks will be provided |

| | | |
|--------------------------------|--|---------------------------|
| 35.Storm water drainage | Natural water drainage pattern: | NA |
| | Quantity of storm water: | 686.85 M ³ /hr |
| | Size of SWD: | 450 mm Wide Channel drain |

| | | |
|-------------------------------|---|----------------------------|
| Sewage and Waste water | Sewage generation in KLD: | 347 |
| | STP technology: | MBBR |
| | Capacity of STP (CMD): | 01. 350 KLD capacity |
| | Location & area of the STP: | Underground Basement Level |
| | Budgetary allocation (Capital cost): | 37lacs |
| | Budgetary allocation (O & M cost): | 4 lacs |

36.Solid waste Management

| | | |
|---|---|---|
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Debris & excavated material generated shall be disposed by covered trucks to the authorized sites with permission from NMMC |
| | Disposal of the construction waste debris: | Debris & excavated material generated shall be disposed by covered trucks to the authorized sites with permission from NMMC |
| Waste generation in the operation Phase: | Dry waste: | 540 kg/day |
| | Wet waste: | 707 kg/day |
| | Hazardous waste: | 2000 kg/ year |
| | Biomedical waste (If applicable): | 176.7 Kg/Bed/Day = 477 tonne/ per month |
| | STP Sludge (Dry sludge): | 87.5 Kg/day |
| | Others if any: | NA |

| | | |
|--|--|---|
| Mode of Disposal of waste: | Dry waste: | Handed over to NMMC |
| | Wet waste: | Composting through OWC & used at site/as manure |
| | Hazardous waste: | Will handed over to authorized dealer |
| | Biomedical waste (If applicable): | Will handed over to Mumbai Waste Management Limited |
| | STP Sludge (Dry sludge): | Will be used for landscape and gardening purposes |
| | Others if any: | NA |
| Area requirement: | Location(s): | NA |
| | Area for the storage of waste & other material: | NA |
| | Area for machinery: | NA |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | NA |
| | O & M cost: | NA |

37. Effluent Characteristics

| Serial Number | Parameters | Unit | Inlet Effluent Characteristics | Outlet Effluent Characteristics | 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 | Human Anatomical Waste | Yellow | NA | nil | 77 tonne/month | 77 tonne/month | Incineration / Pyrolysis |
| 2 | Soiled waste | Yellow | NA | nil | 130 tonne/month | 130 tonne/month | Incineration/ Plasma Pyrolysis |
| 3 | Expired Discarded Medicines | Yellow | NA | nil | 55 tonne/month | 55 tonne/month | Either sent back to manufacturer / Incineration |
| 4 | Microbiological/ Biotechnological and other chemical lab wastes | Yellow | NA | nil | 34 tonne/month | 34 tonne/month | Autoclaving |
| 5 | Contaminated waste | Red | NA | nil | 153 tonne/month | 153 tonne/month | Autoclaving |
| 6 | Waste Sharps | White | NA | nil | 28 tonne/month | 28 tonne/month | Autoclaving/ dry heat sterilization followed by mutilation or shredding |

39. Stacks emission Details

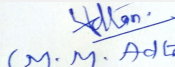
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| Serial Number | Section & units | Fuel Used with Quantity | Stack No. | Height from ground level (m) | Internal diameter (m) | Temp. of Exhaust Gases |
|--|-------------------|---|----------------------------|---|-----------------------|------------------------|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 40.Details of Fuel to be used | | | | | | |
| Serial Number | Type of Fuel | Existing | Proposed | Total | | |
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | | |
| 41.Source of Fuel | | Not applicable | | | | |
| 42.Mode of Transportation of fuel to site | | Not applicable | | | | |
| 43.Green Belt Development | | | | | | |
| | | Total RG area : | Not applicable as per NMMC | | | |
| | | No of trees to be cut : | -- | | | |
| | | Number of trees to be planted : | -- | | | |
| | | List of proposed native trees : | -- | | | |
| | | Timeline for completion of plantation : | -- | | | |
| 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 | NA | NA | NA | NA | | |
| 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 : | MSEDCL |
| | During Construction Phase: (Demand Load) | 2500 units |
| | DG set as Power back-up during construction phase | 5000 units |
| | During Operation phase (Connected load): | Primary 11kV distribution electrical plant by the local electricity supply company will be provided in the plot boundary complete with an 11kV electrical intake. 2No electrical 11kV/400V substations will be provided to the building comprising HV switchgear panel and step down transformers. The step down transformer will provide power supply to the building at 415V, 3phase, 50HZ, AC supply. |
| | During Operation phase (Demand load): | Primary 11kV distribution electrical plant by the local electricity supply company will be provided in the plot boundary complete with an 11kV electrical intake. 2No electrical 11kV/400V substations will be provided to the building comprising HV switchgear panel and step down transformers. The step down transformer will provide power supply to the building at 415V, 3phase, 50HZ, AC supply. |
| | Transformer: | Primary 11kV distribution electrical plant by the local electricity supply company will be provided in the plot boundary complete with an 11kV electrical intake. 2No electrical 11kV/400V substations will be provided to the building comprising HV switchgear panel and step down transformers. The step down transformer will provide power supply to the building at 415V, 3phase, 50HZ, AC supply. |
| | DG set as Power back-up during operation phase: | 6 DG sets of capacity 1 MVA each |
| | Fuel used: | HSD |
| Details of high tension line passing through the plot if any: | NA | |

48. Energy saving by non-conventional method:

Power Capacitors are proposed for Common services load power factor correction and to maintain a healthy power situation. This also results in less demand for the project.
The common area lighting are proposed to work on high energy efficient lamps LED type.
Street lighting is proposed with energy efficient LED fittings.
Lifts are proposed with regenerative drives.
No saving considered for internal load of flats/shops since selection of the ac and light fittings is in the user's scope.
Solar water heaters are provided for 50% flats in the buildings.

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1 | NA | NA |

50. Details of pollution control Systems


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

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

51. Environmental Management plan Budgetary Allocation

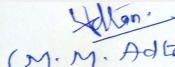
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| a) Construction phase (with Break-up): | | | | | | | |
|--|---|---|------------------------------------|--|---------------------------|------------------|-------------------------|
| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) | | | | |
| 1 | Air | Erosion Control and Dust Palliation Measure | 0.8 | | | | |
| 2 | Land | Site Sanitation | 0.25 | | | | |
| 3 | land | Site Safety | 0.7 | | | | |
| 4 | Air, water, soil and Bio | Environmental Monitoring | 0.25 | | | | |
| 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 | I STP | 60 | 20 | | | |
| 2 | Ground water Recharge pit | adequate nos | 10 | 3 | | | |
| 3 | Organic waste converter | adequate nos | 19 | 5 | | | |
| 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: | 02 | | | | | |


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| | | |
|---|---|--|
| Parking details: | Number and area of basement: | 2 basements basement 1: 6933.323 sq mt basement 2 6818.404 sq mt |
| | Number and area of podia: | N. A |
| | Total Parking area: | 755 sq.m |
| | Area per car: | 11.25 sq m |
| | Area per car: | 11.25 sq m |
| | Number of 2-Wheelers as approved by competent authority: | 56 |
| | Number of 4-Wheelers as approved by competent authority: | 559 |
| | Public Transport: | NA |
| | Width of all Internal roads (m): | 6-9M |
| | CRZ/ RRZ clearance obtain, if any: | NA |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA |
| | Category as per schedule of EIA Notification sheet | 8B |
| | Court cases pending if any | NONE |
| | Other Relevant Informations | -- |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |
| SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS | | |
| Summorisred in brief information of Project as below. | | |
| Brief information of the project by SEAC | | |

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Representative of PP Mr. Rohit Chavan was present during the meeting along with environmental consultant M/S. Building Environment India Pvt.Ltd.

PP informed that, the project under consideration is *proposed buildings and Constructions project*. PP further stated that, the total plot area of the project is 60000 Sq.mt having total construction area 135943.313 Sq.mt (including existing 68569.89Sq.mt) (Proposed FSI - 44436.4sq.mt +NON FSI- 22937.027Sq.mt, (existing FSI - 52383.365 sq.mt +NON FSI- 16186.524Sq.mt) and the building configuration is as follow-

| Building Name & number | Number of floors | Height (Mtrs) |
|------------------------|------------------------------|---------------|
| Building No 1 | 2 basement; Ground+ 9 floors | 45 |

It is noted that the project earlier considered in 108th (Day-2) Meeting held on 14-08-2019& deferred with observations namely. 1) to submit the dated Architect certificate from CoA registered architect addressed to committee regarding building wise construction done on site prior to 2004, after 2004 & as per earlier environment clearance if issued by local planning authority as per MoEF & CC notification dated 9/12/2016 as informed during the meeting and the documents supporting to that clearance.2) to abide all conditions & remarks for radiation waste received from AERB. Accordingly, PP

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:

- 24) PP to ensure that, 40% area of STP tanks should be open to sky for adequate ventilation.
- 25) PP to ensure ECBC norms are complied with.
- 26) PP to ensure that, the disposal of biomedical waste should as per Bio-Medical Waste Management Rules, 2016 & amendments there to.
- 27) PP to abide the all conditions of AERB NoC.
- 28) 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.
- 29) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

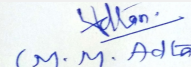
FINAL RECOMMENDATION

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


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Agenda of 110th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

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Subject: Environment Clearance for Proposed Expansion of Slum Rehabilitation Scheme (SRA) at C.S. No. 1(pt.) , 2(pt.) and 3(pt.) of Lower Parel Division in G/South Ward at G.B. Sakpal Marg and Babu Kamalakant Singh Marg, Dhobighat, Satrasta, Mumbai-400011 for Shree Saibaba Nagar CHS (Prop.) & other 8 Societies by M/s. Omkar Realtors Projects Pvt. Ltd.

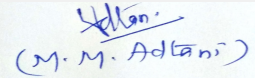
Is a Violation Case: No

| | |
|---|--|
| 1.Name of Project | Proposed Expansion of Slum Rehabilitation Scheme (SRA) at C.S. No. 1(pt.) , 2(pt.) and 3(pt.) of Lower Parel Division in G/South Ward at G.B. Sakpal Marg and Babu Kamalakant Singh Marg, Dhobighat, Satrasta, Mumbai-400011 for Shree Saibaba Nagar CHS (Prop.) & other 8 Societies by M/s. Omkar Realtors Projects Pvt. Ltd. |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | M/s Omkar Realtors Projects Pvt Ltd. |
| 4.Name of Consultant | Building Environment India (Pvt.) Ltd. |
| 5.Type of project | SRA scheme |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Expansion |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Yes 9th August, 2017 |
| 8.Location of the project | Proposed Expansion of Slum Rehabilitation Scheme (SRA) at C.S. No. 1(pt.) , 2(pt.) and 3(pt.) of Lower Parel Division in G/South Ward at G.B. Sakpal Marg and Babu Kamalakant Singh Marg, Dhobighat, Satrasta, Mumbai-400011 for Shree Saibaba Nagar CHS (Prop.) & other 8 Societies by M/s. Omkar Realtors Projects Pvt. Ltd. |
| 9.Taluka | Mumbai |
| 10.Village | Dhobighat |
| Correspondence Name: | M/s Omkar Realtors Projects Pvt Ltd |
| Room Number: | NA |
| Floor: | 6th Floor |
| Building Name: | Omkar House |
| Road/Street Name: | Opp. Sion- Chunnabhatti Signal |
| Locality: | Off Eastern Express Highway |
| City: | Sion (E)-400022 Mumbai, Maharashtra |
| 11.Whether in Corporation / Municipal / other area | Yes Municipal Corporation of Greater Mumbai |
| 12.IOD/IOA/Concession/Plan Approval Number | Rehab Building No.1: u/no. SRA/ENG./3253/GS/ML/AP dated 05.02.2018 Rehab Building No.2: u/no. SRA/ENG./3810/GS/ML/AP dated 14.06.2018 Sale Building No.1: u/no. SRA/ENG./3809/GS/ML/AP dated 14.06.2018 IOD/IOA/Concession/Plan Approval Number: Rehab Building No.1: u/no. SRA/ENG./3253/GS/ML/AP dated 05.02.2018 Rehab Building No.2: u/no. SRA/ENG./3810/GS/ML/AP dated 14.06.2018 Sale Building No.1: u/no. SRA/ENG./3809/GS/ML/AP dated 14.06.2018 Approved Built-up Area: 163182.34 |
| 13.Note on the initiated work (If applicable) | Work has been initiated as per Prior Environmental clearance received dtd. 9th August, 2017 |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | Rehab Building No.1: u/no. SRA/ENG./3253/GS/ML/AP dated 05.02.2018 Rehab Building No.2: u/no. SRA/ENG./3810/GS/ML/AP dated 14.06.2018 Sale Building No.1: u/no. SRA/ENG./3809/GS/ML/AP dated 14.06.2018 |
| 15.Total Plot Area (sq. m.) | 47593.57 Sq. mt. |
| 16.Deductions | 9836.73 Sq.mt. |
| 17.Net Plot area | 37756.84 Sq. mt. |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 3,14,251.35 sq.mt |
| | b) Non FSI area (sq. m.): 4,28,793.16 sq.mt |
| | c) Total BUA area (sq. m.): 743044.51 |


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| | |
|---|---|
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 1,63,182.34 |
| | Approved Non FSI area (sq. m.): 2,82,189.60 |
| | Date of Approval: 14-06-2018 |
| 19.Total ground coverage (m2) | 24102.94 Sq. mt. |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 59.61% |
| 21.Estimated cost of the project | 37360000000 |

22.Number of buildings & its configuration

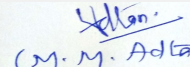
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|----------------------------|---|-------------------------------|
| 1 | Rehab Bldg. No. 1 | Basement for Services + Gr. + 42nd (Pt.) Upper Floors | 125.05 |
| 2 | Rehab Bldg. No. 2 | GR + 32nd (Pt.) Floors | 96.85 |
| 3 | Reservation Building No. 1 | Gr. + 6th upper Floors | 27.75 |
| 4 | Reservation Building No. 2 | Gr. + 4th upper Floors | 19.95 |
| 5 | Sale Building No. 1 | -- | -- |
| 6 | Tower 1 (South) | 2 Lower Ground + Gr.+ 1st to 8th Podium + 9th & 9th A Amenity Floor+/Clubhouse 1st to 65th Upper Floor | 262.91 m |
| 7 | Tower-2 (Central) | 2 Lower Ground + Gr.+ 1st to 8th Podium + 9th & 9th A Amenity Floor/Clubhouse + 1st to 65th Upper Floor | 262.91m |
| 8 | Tower-3 (North) | 2 Lower Ground + Gr.+ 1st to 8th Podium + 9th & 9th A Amenity Floor/Clubhouse + 1st to 66th Upper Floor | 259.66 m |
| 9 | Sale Building No. 2 | 3 Basement + Gr. + 1st to 8th Part Podium & Part Residential Floor & 9th Part Amenity/Clubhouse & Part Residential Floor + 1st to 57th Upper Floors | 211.65 |
| 10 | Sale Building No. 2 | 3 Basement + Gr. + 1st to 8th Part Podium & Part Residential Floor & 9th Part Amenity/Clubhouse & Part Residential Floor + 1st to 57th Upper Floors | 211.65 |

| | |
|---------------------------------------|--|
| 23.Number of tenants and shops | <p>Rehab Bldg. No. 1 Residential: 2973 nos. R/C: 26 nos. Commercial: 118 nos. Existing Amenities (Society office & Temple): 13 nos. BWS & PHC unit: 81 nos.</p> <p>Rehab Bldg. No. 2 Residential: 172 nos. Commercial: 1 no Existing Amenities (Society office & Temple): 6 nos. BWS & PHC unit: 6 nos.</p> <p>Sale Building No. 1 (Tower 1, Tower 2 & Tower 3) Residential: 1236 nos.</p> <p>Sale Building No. 2: Residential: 708 nos.</p> |
|---------------------------------------|--|


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| | |
|--|---|
| 24.Number of expected residents / users | Rehab Building No. 1: 15922 Rehab Building No. 2: 1005 Sale Building No. 1: 7309 Sale Building No. 2: 3836 Total: 28072. |
| 25.Tenant density per hectare | 858.39 tenants 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)) | 42.60 m wide Sane Guruji Road, 30.48 m wide Dr. E. Mosses Road, 18.30 m J.R. Boricha Marg & 12.20 m wide G.B. Sakpal Marg |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 7.5 m |
| 29.Existing structure (s) if any | Existing slums partly demolished |
| 30.Details of the demolition with disposal (If applicable) | Existing slums partly demolished |

31.Production Details

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

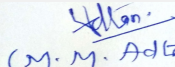
32.Total Water Requirement

| | | |
|--------------------|---|--|
| Dry season: | Source of water | MCGM/STP Treated Water |
| | Fresh water (CMD): | Rehab-1:1352 Rehab-2:79 Sale-1:824 Sale-2:342 Total:2597 |
| | Recycled water - Flushing (CMD): | Rehab-1:684 Rehab-2:42 Sale-1:355 Sale-2:171 Total:1252 |
| | Recycled water - Gardening (CMD): | Rehab-1:36 Rehab-2:11 Sale-1:43 Sale-2:3 Total:93 |
| | Swimming pool make up (Cum): | Rehab-1: -- Rehab-2: -- Sale-1:46 Sale-2: -- Total:46 |
| | Total Water Requirement (CMD) : | Rehab-1:2073 Rehab-2:132 Sale-1:1268 Sale-2:516 Total:3989 |
| | Fire fighting - Underground water tank(CMD): | as per Fire NOC |
| | Fire fighting - Overhead water tank(CMD): | as per Fire NOC |
| | Excess treated water | Rehab-1:1087 Rehab-2:52 Sale-1:537 Sale-2:304 Total:1979 |


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| | | |
|--------------------|---|--|
| Wet season: | Source of water | MCGM/STP Treated Water/RWH |
| | Fresh water (CMD): | Rehab-1:1352 Rehab-2:79 Sale-1:824 Sale-2:342 Total:2597 |
| | Recycled water - Flushing (CMD): | Rehab-1:684 Rehab-2:42 Sale-1:355 Sale-2:171 Total:1252 |
| | Recycled water - Gardening (CMD): | Rehab-1: Nil Rehab-2: Nil Sale-1: Nil Sale-2: Nil Total: Nil |
| | Swimming pool make up (Cum): | Rehab-1:-- Rehab-2:-- Sale-1:46 Sale-2:-- Total:46 |
| | Total Water Requirement (CMD) : | Rehab-1:2036 Rehab-2:121 Sale-1:1225 Sale-2:513 Total:3895 |
| | Fire fighting - Underground water tank(CMD): | as per Fire NOC |
| | Fire fighting - Overhead water tank(CMD): | as per Fire NOC |
| | Excess treated water | Rehab-1:1123 Rehab-2:63 Sale-1:580 Sale-2:307 Total:2072 |

Details of Swimming pool (If any) Make up water: 46 m3

33.Details of Total water consumed


| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
|-------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Domestic | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

| | | |
|---------------------------------------|---|---|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | 2 - 3 m below ground level |
| | Size and no of RWH tank(s) and Quantity: | Rehab 1: 2 Nos. of RWH Tank (Capacity: 175+80=255 KLD) Rehab 2: 1 No. of RWH Tank (Capacity: 18 KLD) Sale 1: 3 Nos. of RWH Tank (Capacity: Tower 1: 187 KLD, Tower 2: 120 KLD, Tower 3: 130 KLD) Sale 2: 1 No. of RWH Tank (Capacity: 68 KLD) |
| | Location of the RWH tank(s): | Rehab 1: Below Ground Rehab 2: Below Ground Sale 1: Basement 2 Sale 2: Basement 1 |
| | Quantity of recharge pits: | Nil |
| | Size of recharge pits : | NA |
| | Budgetary allocation (Capital cost) : | Rehab 1: 35 Lakhs Rehab 2: 2 Lakhs Sale 1: 23 Lakhs Sale 2: 13.5 Lakhs |
| | Budgetary allocation (O & M cost) : | Rehab 1: 3.5 Lakhs/year Rehab 2: 0.2 Lakhs/year Sale 1: 2.3 Lakhs/year Sale 2: 1.0 Lakhs/year |
| | Details of UGT tanks if any : | -- |



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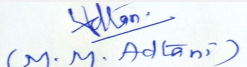

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| | | |
|---|--|---|
| 35.Storm water drainage | Natural water drainage pattern: | The arrangement for disposal of SW through and from the plot as per the remarks of SW department, MCGM |
| | Quantity of storm water: | Total Runoff for Rehab 1: 0.21 Cum/sec, Total Runoff for Rehab 2: 0.12 Cum/sec, Total Runoff for Sale: 0.22 Cum/sec |
| | Size of SWD: | Carrying capacity of drain - 0.281 Cum/sec |
| Sewage and Waste water | Sewage generation in KLD: | Rehab-1:1901 Rehab-2:113 Sale-1:1038 Sale-2:479 Total:3530 |
| | STP technology: | MBBR |
| | Capacity of STP (CMD): | Rehab Building 1: 1 STP of capacity 1900 KLD Rehab Building 2: 1 STP of capacity 115 KLD Sale Building 1: 1 STP of capacity 1068 KLD Sale Building 2: 1 STP of capacity 530 KLD |
| | Location & area of the STP: | Rehab 1: Below Ground Rehab 2: Below Ground Sale 1: Basement 1 Sale 2: Basement 1 |
| | Budgetary allocation (Capital cost): | Rehab 1: 1400 Lakhs Rehab 2: 96 Lakhs Sale 1: 1600 Lakhs Sale 2: 795 Lakhs |
| | Budgetary allocation (O & M cost): | Rehab 1: 140 Lakhs/year Rehab 2: 9.6 Lakhs/year Sale 1: 160 Lakhs/year Sale 2: 7.95 Lakhs/year |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Demolition Waste :1,47,64,588 KG Construction Waste: 3,71,52,225.5 Kg |
| | Disposal of the construction waste debris: | Construction waste will be disposed according to C&D waste rules 2016 |
| Waste generation in the operation Phase: | Dry waste: | Rehab-1:3079 Kg/day Rehab-2:177 Kg/day Sale-1:2577 Kg/day Sale-2:708 Kg/day Total:6541 Kg/day |
| | Wet waste: | Rehab-1: 4747 Kg/day Rehab-2:276 Kg/day Sale-1:1718 Kg/day Sale-2:1100 Kg/day Total: 6172 Kg/day |
| | Hazardous waste: | Waste oil from DG sets |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Rehab 1: 116 Kg/day Rehab 2: 7 Kg/day Sale 1: Kg/day Sale 2: 27 Kg/day |
| | Others if any: | NA |
| Mode of Disposal of waste: | Dry waste: | Will be disposed through recyclers |
| | Wet waste: | Will be treated in OWC |
| | Hazardous waste: | waste oil from DG sets |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | After treatment in OWC will be used as soil conditioner |
| | Others if any: | Shall be given to vendors |
| Area requirement: | Location(s): | Rehab Building no. 1: Ground Rehab Building no. 2: Ground Sale Building no. 1 (Tower 1, 2 & 3): Ground Sale Building no.2: Ground |
| | Area for the storage of waste & other material: | -- |
| | Area for machinery: | Rehab: 100 sq.m Sale: 150 sq.m |


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| | | |
|--|------------------------|--|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rehab 1: 100 Lakhs Rehab 2: 11 Lakhs Sale 1: 60 Lakhs Sale 2: 44 Lakhs |
| | O & M cost: | Rehab 1: 10 Lakhs/year Rehab 2: 1.1 Lakhs/year Sale 1: 6.0 Lakhs/year Sale 2: 4.4 Lakhs/year |

37. Effluent Characteristics

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

38. Hazardous Waste Details

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

39. Stacks emission Details

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

40. Details of Fuel to be used

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

41. Source of Fuel Not applicable

42. Mode of Transportation of fuel to site Not applicable

| | | |
|-----------------------------------|--|----------------------------|
| 43. Green Belt Development | Total RG area : | RG on ground- 3079.95 sq.m |
| | No of trees to be cut : | 01 |
| | Number of trees to be planted : | 154 |
| | List of proposed native trees : | Attached |
| | Timeline for completion of plantation : | Till completion of project |

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

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


| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
|---------------|---|-------------|----------|--|
| 1 | Pongamia pinnata | Karanj | 14 | Shady tree |
| 2 | Bauhinia racemosa | Apta | 15 | Small tree with small white flowers, butterfly host plant |
| 3 | Azadiracta indica | Neem | 20 | Large tree, good for roadside plantation |
| 4 | Anthocephallus cadamba | Kadamb | 09 | Shady, large deciduous tree, fast growing graceful tree, ball shaped flowers |
| 5 | Cassia fistula | Bhava | 15 | Medium sized deciduous tree, beautiful yellow flowers, Butterfly host plant |
| 6 | Saraca asoka | Sita Ashoka | 14 | Shady tree with red yellow flowers |
| 7 | Mimusops elengi | Bakul | 13 | Shady tree, small white fragrant flowers |
| 8 | Michalia champaca | Son chapa | 17 | Medium sized evergreen tree, fragrant yellow flowers, butterfly host plant |
| 9 | Ficus retusa | Nandruk | 11 | Shady tree, good for roadside plantation |
| 10 | Butea monosperma | Palas | 14 | Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant |
| 11 | Albizia lebbek | Shirish | 10 | Deciduous tree |
| 12 | Total (Including Transplanted and retained) | -- | 154 | -- |

45.Total quantity of plants on ground

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

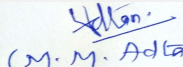
| Serial Number | Name | C/C Distance | Area m2 |
|---------------|--------------------------|--------------|---------|
| 1 | Kaner | 10 | -- |
| 2 | White plumbago (Chitrak) | 5 | -- |
| 3 | Kusar/Ran jai | 8 | -- |
| 4 | Krushna kamal | 10 | -- |

47.Energy


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| | | |
|---------------------------|--|---|
| Power requirement: | Source of power supply : | BEST |
| | During Construction Phase: (Demand Load) | 100kVA |
| | DG set as Power back-up during construction phase | as per requirement |
| | During Operation phase (Connected load): | Rehab Building No. 1: 21142 KW Rehab Building No. 2: 1346 KW Sale Building No. 1 (Tower 1, 2 & 3): 41123 KW Sale Building No. 2: 11283 KW |
| | During Operation phase (Demand load): | Rehab Building No. 1: 13090 KW Rehab Building No. 2: 854 KW Sale Building No. 1 (Tower 1, 2 & 3): 17199 KW Sale Building No. 2: 6879 KW |
| | Transformer: | -- |
| | DG set as Power back-up during operation phase: | Rehab Building No.: 1*1500 kVA Rehab Building No. 2: 1*250 kVA Sale Building No. 1: Tower 1: 1*2500 kVA Tower 2: 1*2500 kVA Tower 3: 1*2500 kVA Sale Building No. 2 1*800 kVA |
| | Fuel used: | High Speed Diesel (HSD) |
| | Details of high tension line passing through the plot if any: | NA |

48. Energy saving by non-conventional method:

Saving Due to Grid Connected Solar Lighting
 Saving Due to Grid Connected Solar Power
 Saving External Lighting on Solar

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1 | Rehab Bldg.1 | 7 % |
| 2 | Rehab Bldg.2 | 7% |
| 3 | Sale Bldg.1 | 1 % |
| 4 | Sale Bldg.2 | 3 % |

50. Details of pollution control Systems


| Source | Existing pollution control system | Proposed to be installed |
|---------------|-----------------------------------|--------------------------|
| Water | Not applicable | STP |
| Soil and Land | Not applicable | OWC |

| | | |
|--|------------------------|------------------------------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | R1: 110, R2: 60, S1 :80, S2: 60 |
| | O & M cost: | R1: 1.1, R2: 0.6, S1: 0.8, S2: 0.6 |

51. Environmental Management plan Budgetary Allocation

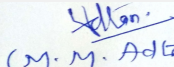
a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|-----------------|-------------------------|---|
| 1 | Air Environment | Water Sprinkling System | Capital Cost (in Lacs) : ---- & O& M Cost (In Lacs/Year) :0.8 |


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| | | | |
|----|-----------------------------|--|--|
| 2 | Water Environment | Water for construction works and mobile toilets. | Capital Cost (in Lacs) : ---- & O& M Cost (In Lacs/Year) :1.8 |
| 3 | Noise Environment | Site Barricading | Capital Cost (in Lacs) : 3.6 & O& M Cost (In Lacs/Year) :---- |
| 4 | Land environment | Mobile STP | Capital Cost (in Lacs) : 4 & O& M Cost (In Lacs/Year) : 0.6 |
| 5 | Socio- economic environment | Disinfection- pest control | Capital Cost (in Lacs) : ---- & O& M Cost (In Lacs/Year) : 0.24 |
| 6 | Socio- economic environment | first aid facilities | Capital Cost (in Lacs) : 0.36 & O& M Cost (In Lacs/Year) : -- |
| 7 | Socio- economic environment | Health check up | Capital Cost (in Lacs) : ---- & O& M Cost (In Lacs/Year) : 0.28 |
| 8 | Socio- economic environment | Personal protective equipment | Capital Cost (in Lacs) : 2 & O& M Cost (In Lacs/Year) : 0.20 |
| 9 | External infrastructure | Laydown of sewerline upto municipal existing sewerline | Capital Cost (in Lacs) : 2 & O& M Cost (In Lacs/Year) : ---- |
| 10 | Total Cost | -- | Capital Cost (in Lacs) : 11.96 & O& M Cost (In Lacs/Year) : 3.92 |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|-------------|-------------|---------------------------------------|---|
| 1 | RWH | -- | R1: 35, R2: 2, S1: 23, S2: 13.5 | R1: 3.5, R2: 0.2, S1: 2.3, S2: 1.0 |
| 2 | OWC | -- | R1: 100, R2: 11, S1: 60, S2: 44 | R1: 10, R2: 1.1, S1: 0.6, S2: 4.4 |
| 3 | STP | -- | R1: 1400, R2: 96, S1: 1600, S2: 795 | R1: 140, R2: 9.6, S1: 160, S2: 7.95 |
| 4 | Energy | -- | R1: 110, R2: 60, S1: 80, S2: 60 | R1: 1.1, R2: .06, S1: 0.8, S2: 0.6 |
| 5 | Total | -- | R1: 645, R2: 169, S1: 1763, S2: 912.5 | R1: 154.6, R2: 11.5, S1: 169.1 S2: 13.95 |
| 6 | Landscaping | --- | 55.00 | 10.89 |
| 7 | Total | -- | 4544.5 | 360.04 |


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

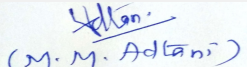
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53.Traffic Management



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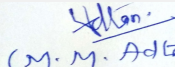

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| | | |
|--|--|---|
| | Nos. of the junction to the main road & design of confluence: | 42.60 m wide Sane Guruji Road, 30.48 m wide Dr. E. Mosses Road, 18.30 m J.R. Boricha Marg & 12.20 m wide G.B.Sakpal Marg |
| Parking details: | Number and area of basement: | Sale bldg. 1 - 2 nos. of Basement/Lower Ground and area =20784.88 sq.mt. Sale bldg. 2 - 3 nos. basement and area=17279.13 Sq.Mt. |
| | Number and area of podia: | Sale bldg. 1 - 9 nos. podium =122118.27 Sq.Mt. sq.mt. Sale bldg. 2 - 9 nos. podium = 28229.76 sq.mt. |
| | Total Parking area: | 4W: Rehab Building: 419 Nos. Sale Building no. 1 (Tower 1, 2 & 3): 2128 Nos. Sale Building no. 2: 885 Nos. 2W:Rehab Building 1: 39 Nos. Rehab Building 2: 22 no. Sale Building no. 1 (Tower 1, 2 & 3): 177 Nos. Sale Building no. 2: 210 Nos. |
| | Area per car: | Basement: 32 m2 Podium: 28 m2 |
| | Area per car: | Basement: 32 m2 Podium: 28 m2 |
| | Number of 2-Wheelers as approved by competent authority: | Rehab Building: 419 Nos. Sale Building no. 1 (Tower 1, 2 & 3): 2128 Nos. Sale Building no. 2: 885 Nos. |
| | Number of 4-Wheelers as approved by competent authority: | Rehab Building 1: 39 Nos. Rehab Building 2: 22 no. Sale Building no. 1 (Tower 1, 2 & 3): 177 Nos. Sale Building no. 2: 210 Nos. |
| | Public Transport: | NA |
| | Width of all Internal roads (m): | Min 6m |
| | CRZ/ RRZ clearance obtain, if any: | NA |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA |
| | Category as per schedule of EIA Notification sheet | 8 b B |
| | Court cases pending if any | There are no court cases pending with respect to environmental compliance. |
| | Other Relevant Informations | The details provided are as per the full potential of the project anticipating the future expansions. |
| | Have you previously submitted Application online on MOEF Website. | Yes |
| | Date of online submission | 24-10-2017 |
| TOR Suggested Changes | | |
| Consolidated Statement Point Number | Original Remarks | Submitted Changes |


Mr. Surykant Nikam
 (Secretary SEAC-II)

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

| | | |
|---|---|---|
| Subject: | Environment Clearance for Proposed amalgamated Slum Rehabilitation Scheme on plot bearing C.S. No. 1(pt),2(pt) & 3(pt) of lower parel Division, in G/South ward at G.B. Sakpal Marg and Sane Guruji Road, Dhobighat, Satrasta, Mumbai 400011 for "Shree Sai Baba Nagar SRA Co-op. Hsg. Soc. (Prop.) & other 7 societies. by M/s. Omkar Realtors Projects Pvt Ltd. | Proposed Expansion of Slum Rehabilitation Scheme (SRA) at C.S. No. 1(pt.), 2(pt.) and 3(pt.) of Lower Parel Division in G/South Ward at G.B. Sakpal Marg and Babu Kamalakant Singh Marg, Dhobighat, Satrasta, Mumbai-400011 for Shree Saibaba Nagar CHS (Prop.) & other 7 Societies by M/s. Omkar Realtors Projects Pvt Ltd. |
| 1.Name of Project | Proposed amalgamated Slum Rehabilitation Scheme on plot bearing C.S. No. 1(pt), 2(pt) & 3(pt) of lower parel Division, in G/South ward at G.B. Sakpal Marg and Sane Guruji Road, Dhobighat, Satrasta, Mumbai 400011 for "Shree Sai Baba Nagar SRA Co-op. Hsg. Soc. (Prop.) & other 7 societies. by M/s. Omkar Realtors Projects Pvt Ltd. | Proposed Expansion of Slum Rehabilitation Scheme (SRA) at C.S. No. 1(pt.), 2(pt.) and 3(pt.) of Lower Parel Division in G/South Ward at G.B. Sakpal Marg and Babu Kamalakant Singh Marg, Dhobighat, Satrasta, Mumbai-400011 for Shree Saibaba Nagar CHS (Prop.) & other 7 Societies by M/s. Omkar Realtors Projects Pvt Ltd. |
| 2.Type of institution | ToR | Private |
| 6.New project/ expansion in existing project/modernization/ diversification in existing project | Amendment in approved Terms of Reference | Expansion |
| 11.Area of the project | Municipal Corporation of Greater Mumbai | 42,542.79 |
| 12.IOD/ IOA/ Concession/ Plan Approval Number | Rehab Building No.1: u/no. SRA/ENG./3253/GS/ML/AP dated 05.02.2018 Rehab Building No.2: u/no. SRA/ENG./3810/GS/ML/AP dated 14.06.2018 Sale Building No.1: u/no. SRA/ENG./3809/GS/ML/AP dated 104.06.2018 IOD/IOA/Concession/Plan Approval Number: Rehab Building No.1: u/no. SRA/ENG./3253/GS/ML/AP dated 05.02.2018 Rehab Building No.2: u/no. SRA/ENG./3810/GS/ML/AP dated 14.06.2018 Sale Building No.1: u/no. SRA/ENG./3809/GS/ML/AP dated 104.06.2018 Approved Built-up Area: 163182.34 | SRA/ENG/2800/GS/ML/LOI dtd. 25.01.2018 Approved Built-up Area: 163182.34 |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | Rehab Building No.1: u/no. SRA/ENG./3253/GS/ML/AP dated 05.02.2018 Rehab Building No.2: u/no. SRA/ENG./3810/GS/ML/AP dated 14.06.2018 Sale Building No.1: u/no. SRA/ENG./3809/GS/ML/AP dated 104.06.2018 | SRA/ENG/2800/GS/ML/LOI dtd. 25.01.2018 |
| 16.Deductions | -- | 14,993.80 |
| 17.Net Plot area | -- | 27,548.99 |
| 18.(a) Proposed Built-up Area (FSI & Non-FSI) | FSI area (sq. m.): Non FSI area (sq. m.): Total BUA area (sq. m.): | FSI area (sq. m.): 1,63,182.34 Non FSI area (sq. m.): 2,82,189.60 Total BUA area (sq. m.): 4,45,371.94 |
| 18 (b). Approved Built up area as per DCR | Approved FSI area (sq. m.): -- Approved Non FSI area (sq. m.): -- Date of Approval: -- | Approved FSI area (sq. m.): 1,63,182.34 Approved Non FSI area (sq. m.): 2,82,189.60 Date of Approval: 25.01.2018 |
| 19.Total ground coverage (m2) | 27680.14 | 15516.90 |
| 26.Height of the building(s) | -- | Rehab Bldg. No. 1:123.10 m Rehab Bldg. No. 2: 93.95 m Tower 1 (South): 247.40 m Tower-2 (Central): 178.35 m Tower-3 (North):39.60 m |
| 29.Existing structure (s) if any | Nil | Partly slum area |

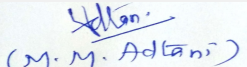
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|  Mr. Surykant Nikam (Secretary SEAC-II) | SEAC Meeting No: 110 Meeting Date: August 30, 2019 | Page 21 of 96 |  Shri M.M.Adtani (Chairman SEAC-II) |
|--|---|--------------------------------|--|

| | | |
|--|----------------------------|--|
| 30.Details of the demolition with disposal (If applicable) | -- | Existing slums partly demolished |
| 32. Total Water Requirement | -- | -- |
| Dry season | -- | -- |
| Source of water | M.C.G.M | M.C.G.M / STP Treated Sewage / Tanker (Swimming Pool makeup) |
| Fresh water (CMD): | 1564.00 | Rehab: 1193 Sale: 298 Total:1491 |
| Recycled water - Flushing (CMD): | 795.00 | Rehab: 628 Sale: 153 Total:781 |
| Recycled water - Gardening (CMD): | 289.00 | Rehab: 39 Sale: 8 Total:47 |
| Swimming pool make up (Cum): | -- | Rehab: -- Sale: 46 Total: 46 |
| Total Water Requirement (CMD): | 2648.00 | Rehab: 1860 Sale: 505 Total:2365 |
| Firefighting - Underground water tank (CMD) | -- | Rehab 1: 2x200; Rehab 2: 200; Sale:200 |
| Firefighting - Overhead water Tank (CMD) | -- | Rehab 1: 1x20; 1x30; Rehab 2: 10; Sale:10 |
| Excess treated water | 872.00 | Rehab: 872 Sale: 191 Total:1063 |
| Wet season | -- | -- |
| Source of water | M.C.G.M | M.C.G.M / RWH / STP Treated Sewage / Tanker (Swimming Pool makeup) |
| Fresh water (CMD): | 1564.00 | Rehab: 1193 Sale: 298 Total:1491 |
| Recycled water - Flushing (CMD): | 795.00 | Rehab: 628 Sale: 153 Total:781 |
| Recycled water - Gardening (CMD): | -- | -- |
| Swimming pool make up (Cum): | -- | Rehab: -- Sale: 46 Total: 46 |
| Total Water Requirement (CMD): | 2359.00 | Rehab: 1821 Sale: 497 Total:2318 |
| Firefighting - Underground water tank (CMD) | -- | Rehab 1: 2x200; Rehab 2: 200; Sale:200 |
| Firefighting - Overhead water Tank (CMD) | -- | Rehab 1: 1x20; 1x30; Rehab 2: 10; Sale:10 |
| Excess treated water | 1161.00 | Rehab: 910 Sale: 200; Total:1110 |
| 34. Rain Water Harvesting (RWH) | -- | -- |
| Level of the Ground water table: | 2 - 3 m below ground level | 2 - 3 m below ground level |



Mr. Surykant Nikam
 (Secretary SEAC-II)

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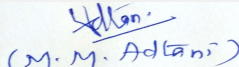

 (M. M. Adtani)
Shri M.M.Adtani (Chairman SEAC-II)

| | | |
|--|--|--|
| Size and no of RWH tank(s) and Quantity: | Rehab Building no. 1: 1 no. of RWH Tanks of total capacity 171 cum Rehab Building no. 2: 1 no. of RWH Tank of capacity 69 cum Sale Building no. 1: Tower 1: 1 no. of RWH Tanks of capacity 130 cum Tower 2: 1 no. of RWH Tanks of capacity 105 cum Tower 3: 1 no. of RWH Tanks of capacity 121 cum | Rehab Building no. 1: 1 no. of RWH Tanks of total capacity 171 cum Rehab Building no. 2: 1 no. of RWH Tank of capacity 69 cum Sale Building no. 1: Tower 1: 1 no. of RWH Tanks of capacity 135 cum Tower 2: 1 no. of RWH Tanks of capacity 117 cum Tower 3: 1 no. of RWH Tanks of capacity 135 cum |
| 36. Sewage and Waste water | -- | -- |
| Sewage generation in KLD | Rehab Building no. 1: 1345 KLD Rehab Building no. 2: 356 KLD Sale Building no. 1 (Tower 1, 2 & 3): 455 KLD | Rehab Building no. 1: 1345 KLD Rehab Building no. 2: 356 KLD Sale Building no. 1 (Tower 1, 2 & 3): 391 KLD |
| STP technology | MBBR | MBBR |
| No. and Capacity of STP | Rehab Building no. 1: 1 STP of capacity 1350 KLD Rehab Building no. 2: 1 STP of capacity 360 KLD Sale Building no. 1 (Tower 1, 2 & 3): 1 STP of capacity 464 KLD | Rehab Building no. 1: 1 STP of capacity 1350 KLD Rehab Building no. 2: 1 STP of capacity 360 KLD Sale Building no. 1 (Tower 1, 2 & 3): 1 STP of capacity 400 KLD |
| 37. Solid waste Management | -- | -- |
| Waste generation in the Pre-Construction and Construction phase: | -- | -- |
| Waste generation: | Shall be done as per debris management plan | About 76577 cum of excavated materials will be generated. The project is a Slum Rehabilitation Scheme. Currently the land is partly covered by slum hutments. Large quantity of waste will be generated from the demolition activity. The total area to be demolished around 36,911.47 sq.mt. |
| Disposal of the construction waste debris: | Shall be done as per debris management plan | The areas has been designated for the temporary storage and after maximum utilization on site, remaining waste will be disposed as per C & D Waste Management Rule, 2016. |
| Waste generation in the operation Phase: | -- | -- |
| Dry waste | Rehab Building no. 1: 2042 Kg/day Rehab Building no. 2: 498 Kg/day Sale Building no. 1 (Tower 1, 2 & 3): 673 Kg/day | Rehab Building no. 1: 2042 Kg/day Rehab Building no. 2: 498 Kg/day Sale Building no. 1 (Tower 1, 2 & 3): 673 Kg/day |
| Wet waste | Rehab Building no. 1: 3063 Kg/day Rehab Building no. 2: 747 Kg/day Sale Building no. 1 (Tower 1, 2 & 3): 1011 Kg/day | Rehab Building no. 1: 3063 Kg/day Rehab Building no. 2: 747 Kg/day Sale Building no. 1 (Tower 1, 2 & 3): 1011 Kg/day |
| Hazardous waste | NA | Not quantified at this stage |
| Biomedical waste (If applicable) | NA | -- |
| STP Sludge | 113 Kg/day | Rehab: 113 Kg/day Sale: 40 Kg/day |
| Others if any | -- | -- |
| Mode of Disposal of waste: | -- | -- |
| Dry waste | Shall be given to vendors | Shall be given to vendors |
| Wet waste | Shall be treated in OWC | Shall be treated in OWC |
| Hazardous waste | NA | NA |
| Biomedical waste (If applicable) | NA | NA |



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 (Secretary SEAC-II)

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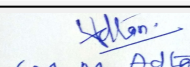

 (M. M. Adtani)
Shri M.M. Adtani (Chairman SEAC-II)

| | | |
|---|--|--|
| STP Sludge | Shall be used as manure | Shall be used as manure |
| Others if any | NA | Shall be given to vendors |
| Area requirement: | -- | -- |
| Location (s) | Rehab Building no. 1: Ground Rehab Building no. 2: Ground Sale Building no. 1 (Tower 1, 2 & 3): Ground | Rehab Building no. 1: Ground Rehab Building no. 2: Ground Sale Building no. 1 (Tower 1, 2 & 3): Ground |
| Area for the storage of waste & other material | -- | -- |
| Area for machinery | -- | Rehab: 100 sq.m Sale: 100 sq.m |
| 44. Green Belt Development | -- | -- |
| Total RG area | RG on ground- 3449.29 sq.m. DP RG:2458.38 sq.m. | RG on ground- 3449.29 sq.m. DP RG:2458.38 sq.m. |
| No of trees to be cut | 07 | 01 |
| Number of new trees to be planted: | 172 | 172 |
| List of proposed native trees: | Enclosed below | Enclosed below |
| Timeline for completion of plantation | Till completion of project | Till completion of project |
| 48. Energy | -- | -- |
| Power requirement | -- | -- |
| Source of power supply: | BEST | BEST |
| During Construction Phase: (Demand Load) | 100kVA | 100kVA |
| DG set as Power back-up during construction phase | -- | 3x350 kVA |
| During Operation phase (Connected load): | Rehab: 17794 KW Sale Building no. 1 (Tower 1, 2 & 3): 49841 KW | Rehab: 17794 KW Sale Building no. 1 (Tower 1, 2 & 3): 31695 KW |
| During Operation phase (Demand load): | Rehab: 9436 KW Sale Building no. 1 (Tower 1, 2 & 3): 10282 KW | Rehab: 9436 KW Sale Building no. 1 (Tower 1, 2 & 3): 10282 KW |
| Transformer: | -- | -- |
| DG set as Power back-up during operation phase | Rehab Building no. 1: 1*1250 kVA Rehab Building no. 2: 1*500 kVA Sale Building no. 1 (Tower 1, 2 & 3): 3x2000 kVA each | Rehab Building no. 1: 1*1250 kVA Rehab Building no. 2: 1*500 kVA Sale Building no. 1 (Tower 1, 2 & 3): Tower 1: 1*2500 kVA Tower 2: 1*2500 kVA Tower 3: 1*2000 kVA |
| Fuel used: | HSD | HSD |
| Details of high-tension line passing through the plot if any: | NA | NA |
| 49. Energy saving by non-conventional method: | -- | External lighting will be provided on solar |
| 50. Detail calculations & % of saving: | -- | -- |


Mr. Surykant Nikam
 (Secretary SEAC-II)

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

| | | |
|---|--|---|
| Energy Conservation Measures | -- | By using LED Light In Common Area VFD For Lifts Highly efficient pump for Plumbing and STP Pumps External Lighting will be on Solar lighting system In Residential area Using combination of T5 along with BEE rated 3 Star equipments like Fan, AC, Geyser & other equipment. (Over all Savings) |
| Saving % | Rehab Building no. 1: 5% Rehab Building no. 2: 10% Sale Building no. 1 (Tower 1, 2 & 3): 12.2% | Rehab Building no. 1: 5% Rehab Building no. 2: 10% Sale Building no. 1 (Tower 1, 2 & 3): 0.5% |
| 51.Details of pollution control Systems | -- | -- |
| Existing pollution control system | -- | -- |
| Source: Water | -- | -- |
| Sources : Soil & Land | -- | -- |
| Proposed to be installed | -- | -- |
| Source: Water | -- | STP |
| Sources : Soil & Land | -- | OWC |
| 52.Environmental Management plan Budgetary Allocation | -- | -- |
| b) Operation Phase (with Break-up): | -- | -- |
| 3 RWH Tanks | Capital cost Rs. in Lacs :R-1: 35, R-2: 14, S-1: 20; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 3.5, R-2: 1.4, S-1:0.2 | Capital cost Rs. in Lacs :R-1: 35, R-2: 14, S-1: 20; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 3.5, R-2: 1.4, S-1:0.2 |
| 3 OWC | Capital cost Rs. in Lacs :R-1: 100, R-2: 30, S-1: 60; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 10, R-2: 3, S-1:6 | Capital cost Rs. in Lacs :R-1: 100, R-2: 30, S-1: 60; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 10, R-2: 3, S-1:6 |
| 3 STP | Capital cost Rs. in Lacs :R-1: 1000, R-2: 300, S-1: 600; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 100, R-2: 30, S-1:60 | Capital cost Rs. in Lacs :R-1: 1000, R-2: 300, S-1: 600; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 100, R-2: 30, S-1:60 |
| Energy | Capital cost Rs. in Lacs :R-1: 110, R-2: 0.6, S-1: 0.8; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 1.10, R-2: 1.4, S-1:0.2 | Capital cost Rs. in Lacs :R-1: 110, R-2: 0.6, S-1: 0.8; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 1.10, R-2: 1.4, S-1:0.2 |
| Total | Capital cost Rs. in Lacs :R-1: 1245, R-2: 404, S-1: 760; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 114.6, R-2: 35, S-1:68.80 | Capital cost Rs. in Lacs :R-1: 1245, R-2: 404, S-1: 760; Operational and Maintenance cost (Rs. in Lacs/yr): R-1: 114.6, R-2: 35, S-1:68.80 |
| Landscaping | Capital cost Rs. in Lacs: 55.00; Operational and Maintenance cost (Rs. in Lacs/yr):10.89 | Capital cost Rs. in Lacs: 55.00; Operational and Maintenance cost (Rs. in Lacs/yr):10.89 |
| Total | Capital cost Rs. in Lacs: 2464; Operational and Maintenance cost (Rs. in Lacs/yr): 229.29 | Capital cost Rs. in Lacs: 2464; Operational and Maintenance cost (Rs. in Lacs/yr): 229.29 |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

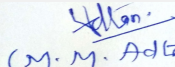
Summorisred in brief information of Project as below.

Brief information of the project by SEAC


Mr. Surykant Nikam
(Secretary SEAC-II)

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

PP was present during the meeting along with environmental consultant M/s. Building Environment India (Pvt.) Ltd.


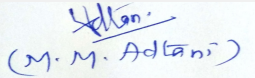
PP informed that, the project under consideration is *expansion in SRA scheme project*. PP further stated that, the total plot area of the project is 47593.57Sq.mt. having total construction area 743044.51 Sq.mt. (FSI - 322840.9Sq.mt. + NON FSI- 420203.61Sq.mt.) and the building configuration is as follow-

| Building Name & number | Number of floors | Height (Mtrs) |
|----------------------------|--|---------------|
| Rehab Bldg. No. 1 | Gr. + 42nd (Pt.) Upper Floors | 125.05 |
| Rehab Bldg. No. 2 | GR + 32nd (Pt.) Floors | 96.85 |
| Reservation Building No. 1 | Gr. + 6th upper Floors | 27.75 |
| Reservation Building No. 2 | Gr. + 4th upper Floors | 19.95 |
| Tower 1 (South) | 2 Lower Ground + Gr.+ 1st to 8th Podium + 9th & 9th A Amenity Floor+/Clubhouse 1st to 65 th Upper Floor | 246.40 |
| Tower-2 (Central) | 2 Lower Ground + Gr.+ 1st to 8th Podium + 9th & 9th A Amenity Floor/Clubhouse + 1st to 65 th Upper Floor | 246.80 |
| Tower-3 (North) | 2 Lower Ground + Gr.+ 1st to 8th Podium + 9th & 9 th A Amenity Floor/Clubhouse + 1st to 66 th Upper Floor | 250.00 |
| Sale Building No. 2 | 3 Basement + Gr. + 1st to 8th Part Podium & Part Residential Floor & 9th Part Amenity/Clubhouse & Part Residential Floor + 1st to 57 th Upper Floors | 211.65 |

It is noted that, Project has received Environmental clearance vide letter dated 9th August, 2017.

It is noted that the project earlier considered in 106th (Day-2) Meeting held on 20-07-2019& deferred with observations namely. 1) demolition waste, and concrete debris can be recycled for making paver blocks and use these to the extent possible in the project itself. 2) to upload the copy of SRA NoC dated 22/5/2019. 3) to ensure that, all STPs should be with minimum 40% area open to sky for adequate ventilation. 4) to upload the HRC NoC. 5) Committee suggested to develop the "miyawaki forest" in RG reservation area to reduce the heat island effect with approval from local planning authority. 6) to ensure that school building should be as per RTE Act. 7) to submit the traffic study data from MSRDC/MMRDA 8) to earmark the two wheeler parking. 9) to revise the traffic study considering the two wheeler vehicles also along with speed of the vehicles. 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.

| | | | |
|---|---|--------------------------------|--|
|  Mr. Surykant Nikam (Secretary SEAC-II) | SEAC Meeting No: 110 Meeting Date: August 30, 2019 | Page 26 of 96 |  Shri M.M.Adtani (Chairman SEAC-II) |
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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) As agreed by PP, PP to ensure that, the demolition waste, and concrete debris to be recycled for making paver blocks and use these to the extent possible in the project itself.
- 2) PP to ensure that proposed STP should be on ground as shown during the presentation with minimum 40% openness to sky for adequate ventilation.
- 3) PP to explore the possibility to develop the "miyawaki forest" in RG area of the project.
- 4) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
- 5) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

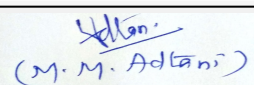
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Mr. Surykant Nikam
(Secretary SEAC-II)

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


Agenda of 110th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 110 Meeting Date August 30, 2019

Subject: Environment Clearance for Proposed Vertical Expansion of Children Hospital at Lower Parel Division, Hornby Vellard Estate Scheme, Mumbai

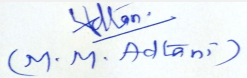
Is a Violation Case: No

| | |
|---|---|
| 1.Name of Project | Proposed Vertical Expansion of Children Hospital at Lower Parel Division, Hornby Vellard Estate Scheme, Mumbai |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | M/s. Society for Rehabilitation of Crippled Children |
| 4.Name of Consultant | M/s. Ultra-Tech |
| 5.Type of project | Vertical Expansion of Children Hospital |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Vertical Expansion of Children Hospital |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Received CRZ NOC dated 04.01.2007 and 23.11.2010. Received Occupancy certificate for Wing 1 dt. 25.09.2009; Received Part Occupancy certificate for Wing 2 dt. 18.2.2017 |
| 8.Location of the project | Plot bearing C.S. No. 5/47 (pt), 47(pt) of Lower Parel Division, Plot no. 10 Hornby Vellard Estate Scheme, Mumbai |
| 9.Taluka | Mumbai |
| 10.Village | Lower Parel |
| Correspondence Name: | M/s. Society for Rehabilitation of Crippled Children |
| Room Number: | -- |
| Floor: | -- |
| Building Name: | Society for Rehabilitation of Crippled Children, Children Orthopedic Hospital |
| Road/Street Name: | Plot No. 10 |
| Locality: | Haji Ali |
| City: | Mumbai |
| 11.Whether in Corporation / Municipal / other area | Municipal Corporation of Greater Mumbai (M.C.G.M.) |
| 12.IOD/IOA/Concession/Plan Approval Number | Amended IOD Plan Approval Number: EB/2130/GS/A dated 17.01.2018 IOD/IOA/Concession/Plan Approval Number: Amended IOD Plan Approval Number: EB/2130/GS/A dated 17.01.2018 Approved Built-up Area: 17723.07 |
| 13.Note on the initiated work (If applicable) | Total constructed work (FSI+ Non FSI): 19979.58 Sq. mt.; Received Occupancy certificate for Wing 1 dt. 25.09.2009; Received Part Occupancy certificate for Wing 2 dt. 18.2.2017 |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | -- |
| 15.Total Plot Area (sq. m.) | 7352.80 Sq. mt. |
| 16.Deductions | -- |
| 17.Net Plot area | 7352.80 Sq. mt. |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 20254.17 Sq. mt. |
| | b) Non FSI area (sq. m.): 3230.93 Sq. mt. |
| | c) Total BUA area (sq. m.): 23485.10 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 17723.07 Sq. mt. |
| | Approved Non FSI area (sq. m.): 3230.93 Sq. mt. |
| | Date of Approval: 17-01-2018 |
| 19.Total ground coverage (m2) | 4204.14 Sq. mt. |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 57 % |
| 21.Estimated cost of the project | 1038800000 |


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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 | 1 Hospital Building with 2 Wings | -- | -- |
| 2 | Wing 1 | Ground + 5 Floors | 20.70 mt. (up to terrace level) |
| 3 | Wing 2 | Basement + Ground + 1st to 3rd Floor + 4th (Pt) Floor | 20.60 mt. (up to terrace level) |
| 23. Number of tenants and shops | Wing 1: Rehabilitation center Wing 2: 233 Beds | | |
| 24. Number of expected residents / users | Floating population - Wing 1: 278 Nos. Wing 2: 467 Nos. | | |
| 25. Tenant density per hectare | -- | | |
| 26. Height of the building(s) | | | |
| 27. Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 18.30 mt. wide Kesharao Khadye Marg | | |
| 28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | Average 8.00 mt. | | |
| 29. Existing structure (s) if any | Wing 1: Occupied and Wing 2: Completed and Occupied up to 3rd floor | | |
| 30. Details of the demolition with disposal (If applicable) | Not applicable | | |


31. Production Details

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

32. Total Water Requirement

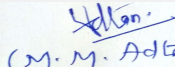
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|---|---|--------------------------------|---|
|  Mr. Surykant Nikam (Secretary SEAC-II) | SEAC Meeting No: 110 Meeting Date: August 30, 2019 | Page 29 of 96 |  Shri M.M. Adtani (Chairman SEAC-II) |
|---|---|--------------------------------|---|

| | | | | | | | | | | |
|---|--|--|-------|------------|----------|-------|----------------|----------|-------|--|
| Dry season: | Source of water | M.C.G.M./Tanker water | | | | | | | | |
| | Fresh water (CMD): | 184 (Domestic: From M.C.G.M.= 146 and Cooling tower make up water: From tanker water = 38 KLD) | | | | | | | | |
| | Recycled water - Flushing (CMD): | 171 (Flushing = 75 KLD And Cooling tower make up water = 96 KLD) | | | | | | | | |
| | Recycled water - Gardening (CMD): | 2 KLD | | | | | | | | |
| | Swimming pool make up (Cum): | Not Applicable | | | | | | | | |
| | Total Water Requirement (CMD) : | 357 KLD | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 304 Cum | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 36 Cum | | | | | | | | |
| | Excess treated water | 0 | | | | | | | | |
| Wet season: | Source of water | M.C.G.M./Tanker water/ RWH tank | | | | | | | | |
| | Fresh water (CMD): | 182 (Domestic: From M.C.G.M.= 146 and Cooling tower make up water: From tanker water = 36 KLD) | | | | | | | | |
| | Recycled water - Flushing (CMD): | 173 (Flushing = 75 KLD And Cooling tower make up water = 98 KLD) | | | | | | | | |
| | Recycled water - Gardening (CMD): | 0 | | | | | | | | |
| | Swimming pool make up (Cum): | Not Applicable | | | | | | | | |
| | Total Water Requirement (CMD) : | 355 KLD | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 304 Cum | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 36 Cum | | | | | | | | |
| | Excess treated water | 0 | | | | | | | | |
| Details of Swimming pool (If any) | Not Applicable | | | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | | |
| Water Requirement | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total | |
| Domestic | -- | -- | -- | -- | -- | -- | -- | -- | -- | |



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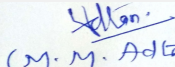

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| | | |
|---|---|---|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | 2.0 mt. below ground level |
| | Size and no of RWH tank(s) and Quantity: | Rain Water Harvesting tank of capacity 138 KL for Wing 2 |
| | Location of the RWH tank(s): | Basement |
| | Quantity of recharge pits: | Nil |
| | Size of recharge pits : | Not Applicable |
| | Budgetary allocation (Capital cost) : | Rs. 16.80 Lacs |
| | Budgetary allocation (O & M cost) : | Rs. 0.75 Lacs/annum |
| | Details of UGT tanks if any : | Wing 1: Underground Wing 2: Basement |
| 35.Storm water drainage | Natural water drainage pattern: | The storm water collected through the storm water drains of adequate capacity will be discharged into the external SWD |
| | Quantity of storm water: | 0.18 m3/sec |
| | Size of SWD: | 450 mm dia with slope 1:300 |
| Sewage and Waste water | Sewage generation in KLD: | 192 KLD |
| | STP technology: | MBBR (Moving Bed Bio Reactor) |
| | Capacity of STP (CMD): | One STP of 200 KL |
| | Location & area of the STP: | Basement |
| | Budgetary allocation (Capital cost): | Rs. 38.50 Lacs |
| | Budgetary allocation (O & M cost): | Rs. 15.86 Lacs/annum |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | -- |
| | Disposal of the construction waste debris: | Construction waste which shall be generated during construction activity shall be partly recycled and remaining shall be disposed to authorized landfill site with permission of M.C.G.M. |
| Waste generation in the operation Phase: | Dry waste: | 45 kg/day |
| | Wet waste: | 30 kg/day |
| | Hazardous waste: | 5 kg/day |
| | Biomedical waste (If applicable): | 88 kg/day |
| | STP Sludge (Dry sludge): | 29 kg/day |
| | Others if any: | -- |


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| | | |
|--|--|---|
| Mode of Disposal of waste: | Dry waste: | To Authorized recyclers |
| | Wet waste: | Treatment in Organic Waste Converter (OWC) |
| | Hazardous waste: | Agreement with SMS Envoclean Pvt. Ltd for disposal |
| | Biomedical waste (If applicable): | Agreement with SMS Envoclean Pvt. Ltd. for disposal as per Bio-Medical Waste Management Rules, 2016 |
| | STP Sludge (Dry sludge): | Use as manure |
| | Others if any: | -- |
| Area requirement: | Location(s): | Ground |
| | Area for the storage of waste & other material: | 5 Sq. mt. Bio-medical waste storage, 10 Sq.mt. for other Municipal waste |
| | Area for machinery: | 10 Sq.mt. |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 5.20 Lacs |
| | O & M cost: | Rs. 3.08 Lacs /annum |

37.Effluent Charecterestics

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

38.Hazardous Waste Details

| Serial Number | Description | Cat | UOM | Existing | Proposed | Total | Method of Disposal |
|---------------|-------------|-----|-----|----------|----------|-------|--------------------|
| 1 | -- | -- | -- | -- | -- | -- | -- |


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 | D G Sets | -- | -- | -- | -- | -- |

40.Details of Fuel to be used

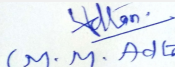
| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|--------------|----------|----------|-------|
| 1 | HSD | -- | -- | -- |

| | |
|---|----|
| 41.Source of Fuel | -- |
| 42.Mode of Transportation of fuel to site | -- |


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

| | | |
|----------------------------------|--|--|
| 43.Green Belt Development | Total RG area : | 1502.48 Sq. mt. |
| | No of trees to be cut : | Cut trees: 12 nos. |
| | Number of trees to be planted : | 32 nos. of trees are already planted on site |
| | List of proposed native trees : | -- |
| | Timeline for completion of plantation : | Already done |

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 : | Brihan Mumbai Electric Supply & Transport (BEST) |
| | During Construction Phase: (Demand Load) | -- |
| | DG set as Power back-up during construction phase | As per requirement |
| | During Operation phase (Connected load): | 4129 KW |
| | During Operation phase (Demand load): | 1320 KW |
| | Transformer: | -- |
| | DG set as Power back-up during operation phase: | 2 D.G. Sets of capacity 750 kVA each |
| | Fuel used: | Diesel |
| | Details of high tension line passing through the plot if any: | NA |

48.Energy saving by non-conventional method:

- ? Provision of fluorescent fittings
- ? Provision of LED lights
- ? Provision of Solar water heating system

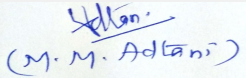
49.Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
|---------------|------------------------------|----------|



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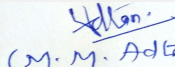

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Shri M.M.Adtani (Chairman SEAC-II)

| | | | | |
|--|--|---|---|--|
| 1 | Total energy saving | 23 % | | |
| 50.Details of pollution control Systems | | | | |
| Source | Existing pollution control system | Proposed to be installed | | |
| Sewage | STP | -- | | |
| Solid waste | OWC | -- | | |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 30.00 Lacs | | |
| | O & M cost: | Rs. 0.25 Lacs/annum | | |
| 51.Environmental Management plan Budgetary Allocation | | | | |
| a) Construction phase (with Break-up): | | | | |
| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) | |
| 1 | Air Environment | Dust Suppression | 1.44 | |
| 2 | Air Environment | Air & Noise Quality Monitoring -By outside MoEF Approved Laboratory | 0.44 | |
| 3 | Air Environment | Air & Noise Quality Monitoring -Sensors for Air quality & Noise level monitoring | 11.00 | |
| 4 | Water Environment | Drinking water analysis | 0.06 | |
| 5 | Land Environment | Site Sanitation | 5.00 | |
| 6 | Health & Hygiene | Disinfection- Pest Control | 2.40 | |
| 7 | Health & Hygiene | Health Check Up of workers | 1.80 | |
| 8 | Disaster Management | -- | 10.00 | |
| b) Operation Phase (with Break-up): | | | | |
| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
| 1 | AIR & NOISE ENVIRONMENT | Cost for Ambient Air quality & Noise Monitoring- By outside MoEF & CC Approved Laboratory | No set up cost is involved | 0.22 |
| 2 | AIR & NOISE ENVIRONMENT | Cost for Ambient Air quality & Noise Monitoring - On site sensors | No set up cost is involved as already considered Construction Phase | 0.50 |
| 3 | AIR & NOISE ENVIRONMENT | Cost for DG Stack Exhaust Monitoring | No set up cost is involved | 0.10 |
| 4 | AIR & NOISE ENVIRONMENT | Cost for Plantation | 3.00 | 0.25 |
| 5 | WATER ENVIRONMENT | Cost for Sewage Treatment Plant | 38.50 | 6.00 |


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| | | | | |
|----|---------------------|--|----------------------------|--------|
| 6 | WATER ENVIRONMENT | Cost for water & waste water Monitoring - By outside MoEF & CC Approved Laboratory | No set up cost is involved | 9.86 |
| 7 | WATER ENVIRONMENT | Cost for RWH tanks | 13.80 | 0.69 |
| 8 | WATER ENVIRONMENT | Cost for Rainwater Monitoring | No set up cost is involved | 0.05 |
| 9 | LAND ENVIRONMENT | Cost for Treatment of biodegradable garbage | 5.20 | 3.00 |
| 10 | LAND ENVIRONMENT | Cost for Monitoring of OWC manure | No set up cost is involved | 0.08 |
| 11 | ENERGY CONSERVATION | Use of renewable energy - Solar system | 30.00 | 0.24 |
| 12 | DISASTER MANAGEMENT | -- | 205.00 | 112.50 |

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


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

52.Any Other Information

No Information Available

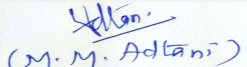
53.Traffic Management

| | |
|---|--------------------|
| Nos. of the junction to the main road & design of confluence: | One entry and exit |
|---|--------------------|


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| | | |
|---|---|---|
| Parking details: | Number and area of basement: | One Basement |
| | Number and area of podia: | Not Applicable |
| | Total Parking area: | 2900.00 Sq. mt. |
| | Area per car: | -- |
| | Area per car: | -- |
| | Number of 2-Wheelers as approved by competent authority: | Not Applicable |
| | Number of 4-Wheelers as approved by competent authority: | 138 Nos. (Including Ambulance and Handicapped parking (2 nos.)) |
| | Public Transport: | Ambulance and Handicapped parking |
| | Width of all Internal roads (m): | Minimum 6.00 mt. |
| CRZ/ RRZ clearance obtain, if any: | Received CRZ NOC dated 04.01.2007 and 23.11.2010 (CRZ NOC attached as Enclosure in Forms) | |
| Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | Arabian Sea: 60 mt. | |
| Category as per schedule of EIA Notification sheet | Category 8 (a) | |
| Court cases pending if any | Nil | |
| Other Relevant Informations | -- | |
| Have you previously submitted Application online on MOEF Website. | Yes | |
| Date of online submission | 23-05-2018 | |

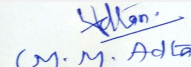
SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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


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| | |
|---|---|
| Air Quality & Noise Level issues | - |
| Energy Management | - |
| Traffic circulation system and risk assessment | - |
| Landscape Plan | - |
| Disaster management system and risk assessment | - |
| Socioeconomic impact assessment | - |
| Environmental Management Plan | - |
| Any other issues related to environmental sustainability | - |
| Brief information of the project by SEAC | |
| <i>PP was absent; hence the project is deferred.</i> | |
| DECISION OF SEAC | |
| <i>PP was absent; hence the project is deferred.</i> | |
| Specific Conditions by SEAC: | |
| FINAL RECOMMENDATION | |
| SEAC-II decided to defer the proposal. Kindly find SEAC decision above. | |

SEAC-AGENCY-0000000319


Agenda of 110th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 110 Meeting Date August 30, 2019

Subject: Environment Clearance for Environmental clearance for expansion of proposed residential project with commercial/ shop line.

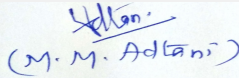
Is a Violation Case: No

| | |
|---|--|
| 1.Name of Project | Paramount |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | m/s. Ananta Landmark Pvt. Ltd. |
| 4.Name of Consultant | M/s. Enviro Analyst & Engineers Pvt. Ltd. |
| 5.Type of project | Residential project with commercial/ shop line. |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Expansion |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Previous EC received vide letter No. SEAC-2010/CR- 672/TC-II dated. 25 March 2014 |
| 8.Location of the project | PROPOSED DEVELOPMENT ON PLOT BEARING S.NO. 113/1(Pt.), 113/2B, 113/3, 113/4, 113/5, 113/6, 113/7, 113/8, 113/9/2, 113/10, 113/11, 113/12(Pt.), 113/13, 113/14, 113/16A, 113/16B, 113/17A, 13/19B/1, 114/1/B, 114/2/B, 114/3, 114/4, 114/5, 114/6, 114/7, 114/8, 114/9A, 114/10A, 114/10C, 115/4/2, 115/5, 115/6, 115/7/2, 115/8/2, 115/9, 115/10/2, 115/11, 115/12, 115/13, 115/14, 115/15 AT VILLAGE MAJIWADE, THANE. |
| 9.Taluka | Thane |
| 10.Village | Majiwada & Balkum |
| Correspondence Name: | Mr. Narendra Lodha |
| Room Number: | 101 |
| Floor: | 10th Floor |
| Building Name: | Kalpataru Synergy |
| Road/Street Name: | Opp. Grand Hyatt |
| Locality: | Vakola, Santacruz (E) |
| City: | Mumbai |
| 11.Whether in Corporation / Municipal / other area | Thane Municipal Corporation |
| 12.IOD/IOA/Concession/Plan Approval Number | Building permission obtained from Thane Municipal Corporation IOD/IOA/Concession/Plan Approval Number: Building permission obtained vide Letter No. Old/88/381/TMC/ TPD/2257/17 dated 26/7/17 Approved Built-up Area: 92303.44 |
| 13.Note on the initiated work (If applicable) | Site not started |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NA |
| 15.Total Plot Area (sq. m.) | 33,730.00 sq. mt. |
| 16.Deductions | 11,890.00 sq. mt. |
| 17.Net Plot area | 21,840.00 sq. mt. |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 60,302.00 sq. mt. b) Non FSI area (sq. m.): 89,721.23 sq. mt. c) Total BUA area (sq. m.): 150023.60 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 44,048.75 sq. mt. Approved Non FSI area (sq. m.): 48,254.63 sq. mt. Date of Approval: 25-03-2014 |
| 19.Total ground coverage (m2) | 12,995.85 |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 59.5 % |


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

| | |
|----------------------------------|------------|
| 21.Estimated cost of the project | 6214200000 |
|----------------------------------|------------|

22.Number of buildings & its configuration

| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|---|-------------------------------|
| 1 | T1 | 2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors | 116.40 |
| 2 | T2 | 2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors | 116.40 |
| 3 | T3 | 2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors | 116.40 |
| 4 | T4 | 2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors | 116.40 |
| 5 | T5 | 2B + 1B + Gr/ commrcial +1P + 2P + 3P/ Stilt + 32 upper floors | 113.40 |

| | |
|---|---------------------------------------|
| 23.Number of tenants and shops | 936 Residential tenements and 9 shops |
| 24.Number of expected residents / users | 4717 nos. |
| 25.Tenant density per hectare | - |
| 26.Height of the building(s) | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 60.0 mt. wide road |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 6.0 mt. |
| 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 | TMC/ Recycled water | | | | | | | |
|---|--|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | Fresh water (CMD): | 424 KLD | | | | | | | |
| | Recycled water - Flushing (CMD): | 215 KLD | | | | | | | |
| | Recycled water - Gardening (CMD): | 44 KLD | | | | | | | |
| | Swimming pool make up (Cum): | 15 KL | | | | | | | |
| | Total Water Requirement (CMD) : | 683 KLD | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 500 Cu. m. | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 150 Cu. m. | | | | | | | |
| | Excess treated water | 257 KLD | | | | | | | |
| Wet season: | Source of water | TMC/ Recycled water | | | | | | | |
| | Fresh water (CMD): | 424 KLD | | | | | | | |
| | Recycled water - Flushing (CMD): | 215 KLD | | | | | | | |
| | Recycled water - Gardening (CMD): | - | | | | | | | |
| | Swimming pool make up (Cum): | - | | | | | | | |
| | Total Water Requirement (CMD) : | 639 KLD | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | 500 Cu. m. | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | 150 Cu. m. | | | | | | | |
| | Excess treated water | 283 KLD | | | | | | | |
| Details of Swimming pool (If any) | NA | | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
| | 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: | Below 5.0 mt. |
| | Size and no of RWH tank(s) and Quantity: | - |
| | Location of the RWH tank(s): | - |
| | Quantity of recharge pits: | 17 no. of recharge pits |
| | Size of recharge pits : | 17 no. of recharge pits |
| | Budgetary allocation (Capital cost) : | 59.50 lakhs |
| | Budgetary allocation (O & M cost) : | 0.85 lakh/ year |
| | Details of UGT tanks if any : | Fire tank of 500 Cu. m. provided |
| 35.Storm water drainage | Natural water drainage pattern: | - |
| | Quantity of storm water: | Max discharge capacity at outlet = 0.24 Cu.m/ sec. |
| | Size of SWD: | Avarage width - 600 mm & avarage depth - 600 mm |
| Sewage and Waste water | Sewage generation in KLD: | 554 KLD |
| | STP technology: | Attached growth process |
| | Capacity of STP (CMD): | 600 KLD |
| | Location & area of the STP: | On ground |
| | Budgetary allocation (Capital cost): | 65.55 lakhs |
| | Budgetary allocation (O & M cost): | 7.20 lakhs/ year |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Excavated material to be partly used on site for backfilling and leveling and excess to be disposed off through vendors |
| | Disposal of the construction waste debris: | Construction waste generated on site shall be reused to maximum extent possible and excess shall be disposed off by vendors |
| Waste generation in the operation Phase: | Dry waste: | 940 Kg/ day |
| | Wet waste: | 1407 Kg/ day |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | 60 Kg/ day |
| | Others if any: | - |


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| | | |
|--|--|---|
| Mode of Disposal of waste: | Dry waste: | Will be handed over to local recyclers. |
| | Wet waste: | Will be processed in OWC. |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | To be used as manure. |
| | Others if any: | - |
| Area requirement: | Location(s): | Ground floor |
| | Area for the storage of waste & other material: | 130.0 sq. mt. including machinery and storage |
| | Area for machinery: | 130.0 sq. mt. including machinery and storage |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 22.0 lakhs |
| | O & M cost: | 4.50 lakhs/ day |

37. Effluent Characteristics

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

38. Hazardous Waste Details


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

39. Stacks emission Details

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

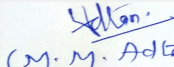
40. Details of Fuel to be used

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


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| | | |
|----------------------------------|--|--|
| 43.Green Belt Development | Total RG area : | 5,460.00 sq. mt. |
| | No of trees to be cut : | 63 no. |
| | Number of trees to be planted : | 366 no. |
| | List of proposed native trees : | - |
| | Timeline for completion of plantation : | At the time of completion of the project |

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

| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
|--|-------------------|-------------|----------|---|
| 1 | - | - | - | - |
| 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 : | MSEDCL |
| | During Construction Phase: (Demand Load) | 150 KW (estimated) |
| | DG set as Power back-up during construction phase | |
| | During Operation phase (Connected load): | 6290 Kw |
| | During Operation phase (Demand load): | 2759 Kw |
| | Transformer: | Will be as per electrical energy supplier's requirement |
| | DG set as Power back-up during operation phase: | 2 No. of 625 KVA |
| | Fuel used: | Diesel |
| | Details of high tension line passing through the plot if any: | Process of laying under ground lines is initiated. |

48.Energy saving by non-conventional method:

| | | | |
|---|---|--------------------------------|--|
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- Energy efficient LED, T5 tube light that gives more light output for the same watts consumed and therefore require less nos. of fixtures.
- Equipment efficiency standard power factor will be maintained between 0.95 and unity for major equipment like Lift, STP etc. This will reduce electrical power distribution losses in the installation.
- Timer based lighting for parking areas.
- Motion Sensor and timers in staircases. Use of VFD drives in lifts.
- Maximum use of natural ventilation and light.
- Recommending the benefits of adopting BEE star rated electrical appliances to the customers to increase energy savings.

49.Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1 | As above | 16 % |

50.Details of pollution control Systems

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

| | | |
|---|---------------|------------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 16.0 lakhs |
| | O & M cost: | 0.48 Lakhs/ year |

51.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):


| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|--------------------------|--------------------------|------------------------------------|
| 1 | Air | water sprinkling | 3.00 |
| 2 | Environmental Monitoring | environmental monitoring | 1.50 |
| 3 | Health check up | Health check up | 1.20 |
| 4 | Site sanitation | Site sanitation | 0.60 |
| 5 | Disinfection | Disinfection | 1.20 |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|------------------------|-------------|--------------------------|---|
| 1 | RWH | - | 59.50 | 0.85 |
| 2 | Solid waste management | - | 22.00 | 5.50 |
| 3 | STP | - | 65.55 | 7.20 |
| 4 | Landscaping | - | 105.79 | 4.23 |
| 5 | Energy Conservation | - | 16.00 | 0.48 |

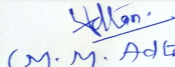
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

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



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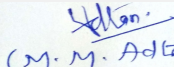

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| | | | | | | | |
|---------------------------------|--|--|----------------|----------------|----------------|----------------|----------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 52.Any Other Information | | | | | | | |
| No Information Available | | | | | | | |
| 53.Traffic Management | | | | | | | |
| | Nos. of the junction to the main road & design of confluence: | The project is accessible through 60.0 mt. wide road | | | | | |
| Parking details: | Number and area of basement: | 2 basements | | | | | |
| | Number and area of podia: | 3 no. of podiums | | | | | |
| | Total Parking area: | 34,735.37 sq. mt. | | | | | |
| | Area per car: | 30.79 | | | | | |
| | Area per car: | 30.79 | | | | | |
| | Number of 2-Wheelers as approved by competent authority: | 1249 | | | | | |
| | Number of 4-Wheelers as approved by competent authority: | 1190 | | | | | |
| | Public Transport: | - | | | | | |
| | Width of all Internal roads (m): | Min. 6.0 mt. | | | | | |
| | CRZ/ RRZ clearance obtain, if any: | NA | | | | | |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | 2.85 Km | | | | | |
| | Category as per schedule of EIA Notification sheet | 8(a), Category B | | | | | |
| | Court cases pending if any | NA | | | | | |
| | Other Relevant Informations | NA | | | | | |
| | Have you previously submitted Application online on MOEF Website. | No | | | | | |
| | Date of online submission | - | | | | | |
| TOR Suggested Changes | | | | | | | |


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| Consolidated Statement Point Number | Original Remarks | Submitted Changes |
|-------------------------------------|------------------|-------------------|
| Recycled Water - Gardening | 26 KLD | 44 KLD |
| Total water requirement | 665 KLD | 683 KLD |
| Capacity of STP | 570 KLD | 600 KLD |
| STP Sludge | 57 Kg/ day | 60 Kg/ day |
| No. of trees to be cut | 67 No. | 63 No. |
| No. of 2-wheeler parking | 1238 No. | 1249 No. |
| No. of 4-wheeler parking | 1128 No. | 1190 No. |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

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

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

PP informed that, the project under consideration is *Residential project with commercial/ shop line*. PP further stated that, the total plot area of the project is 33,730.00 Sq.mt. having total construction area 150023.60 Sq.mt (FSI - 60,302.00 sq.mt +NON FSI- 89,721.23sq.mt) and the building configuration is as follow-


| Building Name & number | Number of floors | Height (Mtrs) |
|------------------------|--|---------------|
| T1 | 2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors | 116.40 |
| T2 | 2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors | 116.40 |
| T3 | 2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors | 116.40 |
| T4 | 2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 33 upper floors | 116.40 |
| T5 | 2B + 1B + Gr/ commrcial + 1P + 2P + 3P/ Stilt + 32 upper floors | 113.40 |

It is noted that, Project has received Environmental clearance vide letter dated 25 March 2014.

It is noted that the project earlier considered in 106th Meeting Meeting held on 20-07-2019 & deferred with observations namely. 1) to upload the storm water design along with calculation. 2) to ensure that, amenities provided on RG should not be exceed than 10%. and also to provide permeable green paver blocks 3) to upload HRC NoC. 4) to revise the online CS to that extend. 5) to submit the revised RG calculation. 6) to submit the nalla remarks. 7) to ensure that STP should have minimum 40% area open to sky for adequate ventilation 8) to upload the table stating number of flats in T3 tower receiving direct sunlight & number of flats receiving diffused sunlight. Accordingly, PP submitted the compliance which was taken on record.

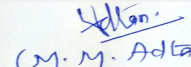
The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is

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, the foundation level of buildings should be above HFL of nallah.
- 2) PP to keep STP on ground with minimum 40% open to sky for adequate ventilation.
- 3) In the 12 meter wide drive way provided on podium for fire tender movement, the outer 6 meter wide drive way may remain hard paved, but inner 6 meter to be of green pavers.
- 4) The PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10 Km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC.
- 5) PP to submit CER prescribed by MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project. The specific activities to be undertaken under CER to be carried out in consultation with Municipal Corporation or collector or Environment Department.

FINAL RECOMMENDATION

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

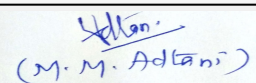
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Agenda of 110th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 110 Meeting Date August 30, 2019

Subject: Environment Clearance for Proposed Amendment in EC for Residential cum Commercial project "Highland Haven" at Old S. NO.- 73/17, S.NO.- 75/ 5 TO 75/ 8, S.NO.- 80/ 1, S.NO.- 82, S.NO.- 81 /3, S.NO.- 83/1/1, 83/1/2, 83/1/3, 83/1/3 pt., 83/ 2, 83/3 pt., 83/3 pt. New S.NO.- 150/17, S.NO.- 152/5 TO 152/8, S.NO.- 160/1, S.NO.- 159, S.NO.-158/3, S.NO.-160/1A, 160/1B, 160/1C, 160/1D, 160/2,160/3B, 160/3C Village: Balkum, Tal & Dist Thane by M/s. Siddhi Krish Developers

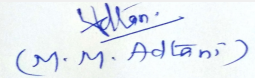
Is a Violation Case: No

| | |
|---|--|
| 1.Name of Project | M/s. Siddhi Krish Developers |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | M/s. Siddhi Krish Developers |
| 4.Name of Consultant | Mahabal Enviro Engineers Pvt. Ltd., Dr. D. A. Patil |
| 5.Type of project | Housing project |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Expansion in EC |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Earlier EC obtained vide letter no. SEAC-2013/CR-60/TC-1 dated 25th April 2014 |
| 8.Location of the project | Old S. NO.- 73/17, S.NO.- 75/ 5 TO 75/ 8, S.NO.- 80/ 1, S.NO.- 82, S.NO.- 81 /3, S.NO.- 83/1/1, 83/1/2, 83/1/3, 83/1/3pt., 83/ 2, 83/3pt., 83/3pt. New S.NO.- 150/17, S.NO.- 152/5 TO 152/8, S.NO.- 160/1, S.NO.- 159, S.NO.-158/3, S.NO.-160/1A, 160/1B, 160/1C, 160/1D, 160/2,160/3B, 160/3C Village: Balkum, Tal & Dist Thane |
| 9.Taluka | Thane |
| 10.Village | Balkum |
| Correspondence Name: | M/s. Siddhi Krish Developers |
| Room Number: | - |
| Floor: | 4th Floor |
| Building Name: | Lake City Mall |
| Road/Street Name: | Kapurbawadi Junction |
| Locality: | Majiwade |
| City: | Thane |
| 11.Whether in Corporation / Municipal / other area | Thane Municipal Corporation (TMC) |
| 12.IOD/IOA/Concession/Plan Approval Number | TMC/TDD/2074/17 dated 01/03/2017; TMC/CFO/M/213/135 dt. 04/02/2017; TMC/CFO/M/35/35 dt. 07/12/2018 IOD/IOA/Concession/Plan Approval Number: TMC/TDD/2074/17 dated 01/03/2017; TMC/CFO/M/213/135 dt. 04/02/2017; TMC/CFO/M/35/35 dt. 07/12/2018 Approved Built-up Area: 34188.5 |
| 13.Note on the initiated work (If applicable) | Construction work is initiated after receipt of Environmental Clearance. Work on site as of now- total construction area: 36,247.62 m2 (FSI: 18,892.54 m2; Non FSI: 17,355.08 m2) |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | - |
| 15.Total Plot Area (sq. m.) | 38,920 m2 |
| 16.Deductions | 15,356.51 m2 |
| 17.Net Plot area | 23,539.00 m2 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 44,665.45 m2 b) Non FSI area (sq. m.): 40,185.3 m2 c) Total BUA area (sq. m.): 84851 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 34,054.46 m2 Approved Non FSI area (sq. m.): 33,202.91 m2 Date of Approval: 07-12-2018 |
| 19.Total ground coverage (m2) | 13,795.5 m2 |


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| | |
|--|------------|
| 20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 57% |
| 21. Estimated cost of the project | 2682733375 |

22. Number of buildings & its configuration

| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|---|-------------------------------|
| 1 | Building 1 | G/St + Pod + 23rd Floors | 75.55 m |
| 2 | Building 2 | G/St + Pod + 23rd Floors | 75.55 m |
| 3 | Building 3 | St + Pod + 23rd Floors | 75.55 m |
| 4 | Building 4 | St + Pod + 23rd Floors | 75.55 m |
| 5 | Building 5 | St + Pod + 1st to 16th & 17th (pt) Floors | 58.15 m |
| 6 | Building 6 | St + Pod + 1st to 29th Floors | 95.45 m |
| 7 | Building 7 | St + Pod + 1st to 29th Floors | 95.45 m |
| 8 | Club House | Gr +1 Floors | 7.80 m |

| | |
|--|--|
| 23. Number of tenants and shops | Flats: 831 Nos. Commercial Area: 496.16 m ² Club House: 241.57 m ² |
| 24. Number of expected residents / users | 5,668 Nos. |
| 25. Tenant density per hectare | 353/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 20 m wide Balkum Saket road on North & West side of plot & 15 m wide D.P. road on South & East side of plot |
| 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) | Nil |


31. Production Details

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

32. Total Water Requirement

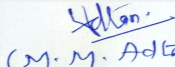
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|---|---|--------------------------------|---|

| Dry season: | Source of water | TMC | | | | | | | |
|---|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | Fresh water (CMD): | 412 KLD | | | | | | | |
| | Recycled water - Flushing (CMD): | 217 KLD | | | | | | | |
| | Recycled water - Gardening (CMD): | 40 KLD | | | | | | | |
| | Swimming pool make up (Cum): | 5 KLD | | | | | | | |
| | Total Water Requirement (CMD) : | 634 KLD | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | As per CFO NOC | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | As per CFO NOC | | | | | | | |
| | Excess treated water | 325 KLD | | | | | | | |
| Wet season: | Source of water | TMC + RWH | | | | | | | |
| | Fresh water (CMD): | 247+165 KLD | | | | | | | |
| | Recycled water - Flushing (CMD): | 217 KLD | | | | | | | |
| | Recycled water - Gardening (CMD): | - | | | | | | | |
| | Swimming pool make up (Cum): | - | | | | | | | |
| | Total Water Requirement (CMD) : | 634 KLD | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | As per CFO NOC | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | As per CFO NOC | | | | | | | |
| | Excess treated water | 365 KLD | | | | | | | |
| Details of Swimming pool (If any) | Swimming Pool is provided as per norms | | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
| | 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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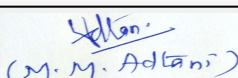

 (M. M. Adtani)
Shri M.M.Adtani (Chairman SEAC-II)

| | | |
|---|---|---|
| 34.Rain Water Harvesting (RWH) | Level of the Ground water table: | Ground water table at depth of 2.4-3.5 m |
| | Size and no of RWH tank(s) and Quantity: | 4 nos. of RWH tanks having total capacity 165 m ² |
| | Location of the RWH tank(s): | Underground |
| | Quantity of recharge pits: | - |
| | Size of recharge pits : | - |
| | Budgetary allocation (Capital cost) : | Rs. 38 Lakhs |
| | Budgetary allocation (O & M cost) : | Rs. 2 Lakhs/year |
| | Details of UGT tanks if any : | UG Tanks will be provided as per NBC norms |
| 35.Storm water drainage | Natural water drainage pattern: | The land is flat. The slope of the area is towards South to North and West to East side |
| | Quantity of storm water: | The storm water generation 4,551.25 m ³ /hr |
| | Size of SWD: | 450 x 450 mm internal SWD drains |
| Sewage and Waste water | Sewage generation in KLD: | 588 KLD |
| | STP technology: | MBBR Technology |
| | Capacity of STP (CMD): | 600 KLD |
| | Location & area of the STP: | Ground |
| | Budgetary allocation (Capital cost): | Rs. 126 Lakhs |
| | Budgetary allocation (O & M cost): | Rs. 24 Lakhs/year |
| 36.Solid waste Management | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Construction debris: 2,464 m ³ ; Excavation was done for foundation purpose only. |
| | Disposal of the construction waste debris: | The construction debris waste will be disposed as per Construction debris and demolition waste management Rule 2016 |
| Waste generation in the operation Phase: | Dry waste: | 952 kg/day |
| | Wet waste: | 1,428 kg/day |
| | Hazardous waste: | - |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | 6 KLD |
| | Others if any: | Household E waste generation |


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| | | |
|--|--|--|
| Mode of Disposal of waste: | Dry waste: | Waste will be segregated at source. The recyclable waste will be handed over to the authorized vendor. |
| | Wet waste: | Wet garbage will be composted using Mechanical Composting unit and the manure will be used manure for landscaping. |
| | Hazardous waste: | - |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Sludge will be used as manure for gardening |
| | Others if any: | Household E-waste generation will be handed over to authorized recyclers |
| Area requirement: | Location(s): | Ground |
| | Area for the storage of waste & other material: | 175 m2 |
| | Area for machinery: | 86 m2 |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 58 Lakhs |
| | O & M cost: | Rs. 23 Lakhs/year |

37. Effluent Characteristics

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

38. Hazardous Waste Details

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

39. Stacks emission Details

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

40. Details of Fuel to be used

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

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

| 41.Source of Fuel | Not applicable | | | |
|--|--|---|---------------------|--|
| 42.Mode of Transportation of fuel to site | Not applicable | | | |
| 43.Green Belt Development | Total RG area : | RG area Required: 5,884.75 m ² ; RG area Proposed 7900.59 m ² (RG on Ground: 1,985.83 m ² , RG on Podium: 5914.76 m ²) | | |
| | No of trees to be cut : | Nil | | |
| | Number of trees to be planted : | 308 Nos. | | |
| | List of proposed native trees : | As mentioned below | | |
| | Timeline for completion of plantation : | Part landscape is developed on site , remaining will be developed after completion of project (2-3 years) | | |
| 44.Number and list of trees species to be planted in the ground | | | | |
| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
| 1 | ERYTHRINA INDICA | Pangara | 28 | As medicinal value, Bird and insect attractive. |
| 2 | LAGERSTROEMIA SPECIOSA | Tamhan | 25 | Edible, mature fruit as medicinal value, Bird and insect attractive. |
| 3 | MIMUSOP ELENGI | Bakul | 26 | As medicinal value, Bird and insect attractive. |
| 4 | PONGAMIA PINNATA | Karanj | 28 | Valued for its oil and insect repellent, having medicinal value. |
| 5 | SARACA INDICA | Sita Ashoka | 25 | As medicinal value, Bird and insect attractive. |
| 6 | ANTHOCEPHALUS CADAMBA | Kadamb | 25 | Shady, large tree, ball shaped flowers. |
| 7 | BAUHINIA PURPUREA | Apta | 30 | Small tree with small white flowers, Butterfly host plant |
| 8 | MICHELIA CHAMPACA | Chafa | 30 | Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant |
| 9 | MILLINGTONIA HORTENSIS | Indian cork tree | 32 | Evergreen Tree |
| 10 | NYCTANTHES ARBOR TRISTIS | Parijat | 32 | Small deciduous fast growing tree, beautiful flowers. |
| 11 | POLYALTHIA LONGIFOLIA | Ashoka Tree | 27 | Shady tree with red-yellow flowers. |
| 45.Total quantity of plants on ground | | | | |
| 46.Number and list of shrubs and bushes species to be planted in the podium RG: | | | | |
| Serial Number | Name | C/C Distance | Area m ² | |
| 1 | - | - | - | |
| 47.Energy | | | | |

| | | | |
|---|---|----------------------|--|
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| | | |
|---------------------------|--|--|
| Power requirement: | Source of power supply : | MSEDCL |
| | During Construction Phase: (Demand Load) | 200 kVA |
| | DG set as Power back-up during construction phase | 200 kVA |
| | During Operation phase (Connected load): | 6.1 MW |
| | During Operation phase (Demand load): | 3.3 MW |
| | Transformer: | 1,600 (1 X 1000 & 1 X 600) |
| | DG set as Power back-up during operation phase: | 1,255 kVA (1 X 625 kVA & 1 X 630 kVA) |
| | Fuel used: | HSD |
| | Details of high tension line passing through the plot if any: | High Tension Line passing through the plot |

48. Energy saving by non-conventional method:

- Solar hot water will be provided
- Solar Street lighting in landscape , common area passages

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|------------------------------|----------|
| 1 | Total Energy Savings | 22.76 % |

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. 65 Lakhs |
| | O & M cost: | Rs. 3 Lakhs/year |

51. Environmental Management plan Budgetary Allocation

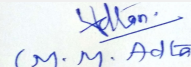
a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|--|-----------|------------------------------------|
| 1 | Water spray for dust suppression | - | 6 |
| 2 | Site sanitation Facility and its maintenance | - | 3 |
| 3 | Potable Water Supply to Labour | - | 3 |
| 4 | Health Check-up & first aid | - | 2.5 |


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| | | | |
|----|---|---|-----|
| 5 | Solid waste management | - | 1.6 |
| 6 | Safety Personal Protective Equipment | (Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.) | 6 |
| 7 | Traffic Management (Sign Boards, Persons, at entry exit and Parking area) | - | 1.5 |
| 8 | Safety nets | - | 3 |
| 9 | Safety Training to Workers (Twice in Year), Safety Officer | - | 1.5 |
| 10 | Environmental Monitoring | (As per the CPCB guidelines through MoEF&CC Approved laboratories - Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leg day time and Night Time) | 4 |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|------------------------------|--|--------------------------|---|
| 1 | STP (Tertiary) | Continuous O & M | 126 | 24 |
| 2 | Solar System | Weekly | 65 | 3 |
| 3 | Rainwater harvesting | During Rainy Season (Cleaning of RWH tanks and Filtration chamber) | 38 | 2 |
| 4 | Solid Waste Composting plant | Continuous O & M | 58 | 23 |
| 5 | Landscape Development | Daily | 67 | 7 |
| 6 | Environmental Monitoring | As per 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

| | | | |
|---|---|--------------------------------|--|
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| | | |
|-------------------------|--|--|
| | Nos. of the junction to the main road & design of confluence: | The project site is accessible by 20 m wide Balkum Saket road on North & West side of plot & 15 m wide D.P. road on South & East side of plot. |
| Parking details: | Number and area of basement: | NA |
| | Number and area of podia: | No. of Podium: 1; Area of Podium: 11,884.65 m ² |
| | Total Parking area: | Total Parking Area: 13,227.24 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: | Parking Required: 856 Nos.; Parking Proposed: 900 Nos. |
| | Number of 4-Wheelers as approved by competent authority: | Parking Required: 905 Nos.; Parking Provided: 976 Nos. |
| | Public Transport: | - |
| | Width of all Internal roads (m): | Min 6 m |
| | CRZ/ RRZ clearance obtain, if any: | CRZ Clearance from MCZMA vide Letter No. CRZ2012/CR-27/TC-4 dated 25.10.2013 |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | Thane Creek: 350 m Sanjay Gandhi National Park: 4.5 km |
| | 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

Summorisred in brief information of Project as below.

Brief information of the project by SEAC

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

Representative of PP 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 38,920Sq.mt having total construction area 85100Sq.mt. (FSI - 44,915.45Sq.mt. + NON FSI- 40,185.30Sq. mt.) and the building configuration is as follow-

| Building Name & number | Number of floors | Height (Mtrs) |
|------------------------|------------------------------------|---------------|
| Building 1 | G/St + Pod + 19rd Floors | 63.40m |
| Building 2 | G/St + Pod + 19rd Floors | 63.40m |
| Building 3 | St + Pod + 20 th Floors | 66.30m |
| Building 4 | St + Pod + 20 th Floors | 66.30m |
| Building 5 | St + Pod + 20 th Floors | 66.30m |
| Building 6 | St + Pod +1st to 29th Floors | 95.45m |
| Building 7 | St + Pod +1st to 29th Floors | 95.45 m |
| Club House | Gr +1 Floors | 7.80 m |

It is noted that, Project has received Environmental clearance vide letter dated 25th April 2014.

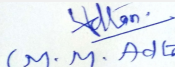
It is noted that the project earlier considered in 105th Meeting held on 03-07-2019 & deferred due the net plot area in previous CS & revised Cs was mentioned as 23539.00 Sq.mt while in PPT, earlier EC & approved plan the net plot area was mentioned as 18603.34 Sq.mt. Project architect was not present to explain the same & PP & environment consultant could not explain the difference in the area. 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

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, as per MCZMA Clearance vide letter dated 25/10/2013, no construction should be carried out in CRZ II area and to abide the all conditions of CRZ NoC.
- 2) Committee noted that, letter from TMC dated 29/8/2019 stated that, STP is completed & will be commission after 6 months. PP to ensure that, no possession shall be given before commissioning of the STP. Local body to also ensure that no occupation certificate is given to the project until STP is commissioned.
- 3) PP to upload the revised architect certificate incorporating building configuration.
- 4) PP to provide the ramp slope of 1:12 to enable the smooth way of fire tender movement.
- 5) PP to upload the CFO NoC.
- 6) PP to ensure that CER submitted should be as per Greenfield project 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. PP to explore the possibility to develop CRZ interpretation & knowledge centre under CER in consultation with corporation & mangrove cell or CCF, Thane.

FINAL RECOMMENDATION

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

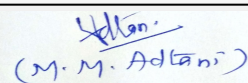
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SEAC-II)

Agenda of 110th Meeting of State Expert Appraisal Committee-2 (SEAC-2)


SEAC Meeting number: 110 Meeting Date August 30, 2019

Subject: Environment Clearance for Rare Townships Private Limited

Is a Violation Case: No

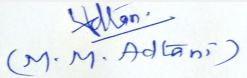
| | |
|---|---|
| 1.Name of Project | Proposed Residential cum Commercial Complex project |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | Executive Engineer (PWD) |
| 4.Name of Consultant | M/s. AQURA LABS PVT.LTD |
| 5.Type of project | Housing Project (Residential cum Commercial Complex project) |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Expansion in existing project |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | YES, Environmental Clearance has been obtained for this project on 23rd March 2006. |
| 8.Location of the project | CTS No. 194B, PWD Ground, Ghatkopar - Mankhurd Link Road, Chedda Nagar, Ghatkopar (E), Mumbai- 400 077 |
| 9.Taluka | Kurla |
| 10.Village | Ghatkopar |
| Correspondence Name: | Executive Engineer |
| Room Number: | CTS No. 194B |
| Floor: | PWD Ground |
| Building Name: | Rising City |
| Road/Street Name: | Ghatkopar- Mankhurd Link Road |
| Locality: | Chedda Nagar, Ghatkopar (E) |
| City: | Mumbai - 400 077 |
| 11.Whether in Corporation / Municipal / other area | Mumbai Corporation Of Greater Mumbai (MCGM) |
| 12.IOD/IOA/Concession/Plan Approval Number | IOD IOD/IOA/Concession/Plan Approval Number: CHE/334/B.P.(Spl.Cell) /AN/337 Approved Built-up Area: 80741.03 |
| 13.Note on the initiated work (If applicable) | Construction in Progress |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | NA |
| 15.Total Plot Area (sq. m.) | 1,27,503.12 Sqm |
| 16.Deductions | 19,125.47 Sqm |
| 17.Net Plot area | 1,08,377.65 Sqm |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 2,93,423.45 Sqm b) Non FSI area (sq. m.): 4,64,402.52 Sqm c) Total BUA area (sq. m.): 757826 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 80741.03 Approved Non FSI area (sq. m.): 94252.78 Date of Approval: 09-12-2015 |
| 19.Total ground coverage (m2) | 31,033 Sqm |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 24.34 |
| 21.Estimated cost of the project | 21500000000 |

22.Number of buildings & its configuration


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| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|--|---|-------------------------------|
| 1 | Building No. 1 (Residential) | Wing A1 - A6 : 3Basements + Stilt + 2 Podiums + 28 Floors | 95.75 |
| 2 | Building No. 1 (Residential) | Wing B1 - B6 : Basements + Stilt+ Podiums + 28 Floors | 77.50 |
| 3 | Building No. 1 (Residential) | Wing C1 - C5 : Basements + Stilt+ Podiums + 28 Floors | 69.95 |
| 4 | Building No. 2 (Residential) | Wing CA - CE : Basements + Stilt+ Podiums + 2 Floors | 9.00 |
| 5 | Building No. 3 (Commercial) | Basements + Stilt + Podiums + 21 Floors | 9.00 |
| 6 | Building No. 4 (School) | Basements + Stilt + 7 Floors | 21.06 |
| 7 | Building No. 5 (Jain temple & Upashraya) | Basements + Stilt + 2 Floors | 18.30 |
| 8 | Building No. 6 (Hindu temple) | Basements + Stilt + 2 Floors | 18.30 |
| 9 | Building No. 1 (Residential) | Wing A1 - A6 : 3Basements + Stilt + 2 Podiums + 19 Floors | 66.95 |
| 10 | Building No. 1 (Residential) | Wing A1 - A6 : 3Basements + Stilt + 2 Podiums + 19 Floors | 66.95 |

| | |
|--|---|
| 23.Number of tenants and shops | Total number of flats: Residential : 3615 nos. Sales offices & shops: 150 nos. |
| 24.Number of expected residents / users | 17600 |
| 25.Tenant density per hectare | NA |
| 26.Height of the building(s) | |
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 24.00 mtrs wide proposed D.P road |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 9.0 mtrs |
| 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 | MCGM |
| | Fresh water (CMD): | 1662 |
| | Recycled water - Flushing (CMD): | 846 |
| | Recycled water - Gardening (CMD): | 375 |
| | Swimming pool make up (Cum): | 900 |
| | Total Water Requirement (CMD) : | 2742 |
| | Fire fighting - Underground water tank(CMD): | 3300 |
| | Fire fighting - Overhead water tank(CMD): | 2900` |
| | Excess treated water | 397 |
| Wet season: | Source of water | MCGM |
| | Fresh water (CMD): | 1662 |
| | Recycled water - Flushing (CMD): | 846 |
| | Recycled water - Gardening (CMD): | 375 |
| | Swimming pool make up (Cum): | 900 |
| | Total Water Requirement (CMD) : | 2742 |
| | Fire fighting - Underground water tank(CMD): | 3300 |
| | Fire fighting - Overhead water tank(CMD): | 2900 |
| | Excess treated water | 397 |

Details of Swimming pool (If any) Proposed swimming pool in Podium level.

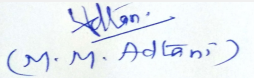
33.Details of Total water consumed


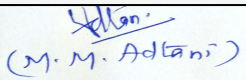
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
|-------------------------|-------------------|----------|-------|------------|----------|-------|----------------|----------|-------|
| | Existing | Proposed | Total | Existing | Proposed | Total | Existing | Proposed | Total |
| Water Requirement | | | | | | | | | |
| Fresh water requirement | Nil | 1662 | 1662 | Nil | Nil | Nil | Nil | Nil | Nil |
| Domestic | Nil | 2508 | 2508 | Nil | Nil | Nil | Nil | Nil | Nil |
| Gardening | Nil | 375 | 375 | Nil | Nil | Nil | Nil | Nil | Nil |


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| | | | |
|---|---|---|---|
| 34. Rain Water Harvesting (RWH) | Level of the Ground water table: | 1 to 2m below ground level. | |
| | Size and no of RWH tank(s) and Quantity: | 17 x 200 KL = 3400 , 1 x 400 KL = 400 , 1 x 100 KL = 100, Total = 3900 CuM/day | |
| | Location of the RWH tank(s): | RWH tanks are proposed in basement. | |
| | Quantity of recharge pits: | 21 | |
| | Size of recharge pits : | 1.5m x 2m x 0.5m | |
| | Budgetary allocation (Capital cost) : | Rs. 80 Lacs | |
| | Budgetary allocation (O & M cost) : | Rs. 2 Lacs | |
| | Details of UGT tanks if any : | UG Tanks are proposed in Basement. | |
| 35. Storm water drainage | Natural water drainage pattern: | Storm Water drain (SWD) are laid at a slope of 1:300 the municipal outfall outside the plot. | |
| | Quantity of storm water: | 2000CuM | |
| | Size of SWD: | 200mm dia, 250mm dia, 300 mm dia, 350mm dia, 400mm dia, 450mm dia & 600mm dia. | |
| Sewage and Waste water | Sewage generation in KLD: | 2742 | |
| | STP technology: | Moving Bed Bioreactor (MBBR) Technology | |
| | Capacity of STP (CMD): | 8 Nos of STP & 2800 KLD cumulative capacity. | |
| | Location & area of the STP: | Proposed at Basement level. | |
| | Budgetary allocation (Capital cost): | Rs. 450 Lakhs | |
| | Budgetary allocation (O & M cost): | Rs. 65 Lakhs | |
| 36. Solid waste Management | | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Debris Generated : approx. 720000 CuM | |
| | Disposal of the construction waste debris: | Material wastes like bricks, cement etc. will be used as fill material and concrete would be recycled and reused at the site. Municipal solid waste generated by construction shall be segregated into biodegradable and non - biodegradable and shall be handed over to MCGM. Cement bags, waste paper, cardboard packing material would be sold off to recyclers. | |
| Waste generation in the operation Phase: | Dry waste: | 4 MT/Day | |
| | Wet waste: | 5 MT/Day | |
| | Hazardous waste: | NA | |
| | Biomedical waste (If applicable): | NA | |
| | STP Sludge (Dry sludge): | 125 Kg /Day | |
| | Others if any: | NA | |
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| | | |
|--|--|---|
| Mode of Disposal of waste: | Dry waste: | Disposed to the Municipal waste collection system and recyclable waste to be taken away by private contractor for resale. |
| | Wet waste: | Treatment in mechanical composting units provided at the ground level within the premises. The manure generated will be used for gardening. |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | Dried STP sludge will be used as manure for gardening |
| | Others if any: | NA |
| Area requirement: | Location(s): | On Ground level. |
| | Area for the storage of waste & other material: | Segregated Organic Waste |
| | Area for machinery: | 5m x 8m |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs. 30 Lacs |
| | O & M cost: | Rs. 2.5 Lacs |

37. Effluent Characteristics

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

38. Hazardous Waste Details

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

39. Stacks emission Details

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


40. Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---------------|----------------|----------------|----------|---------|
| 1 | Not applicable | Not applicable | 250 kVA | 250 kVA |

| | |
|--------------------|-----|
| 41. Source of Fuel | HSD |
|--------------------|-----|

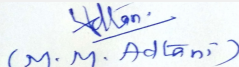
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| 42.Mode of Transportation of fuel to site | | By road. | | |
|--|--|--|----------|---|
| 43.Green Belt Development | Total RG area : | RG on the ground : 31900.00 Sqm , RG on the podium : 31429.00 Sqm. | | |
| | No of trees to be cut : | Nil | | |
| | Number of trees to be planted : | 1595 | | |
| | List of proposed native trees : | Neem, Karanj, Satwin, Kadamba, Sita Ashoka, Pangara. | | |
| | Timeline for completion of plantation : | Dec-20 | | |
| 44.Number and list of trees species to be planted in the ground | | | | |
| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
| 1 | Azadirachta indica | Neem | 300 | Large tree, good for roadside plantation |
| 2 | Pongamia pinnata | Karanj | 300 | Shady tree. |
| 3 | Alistonia scholaris | Satwin | 300 | Shady Tree, white fragrant flowers |
| 4 | Anthocephallus cadamba | Kadamba | 300 | Shady, large tree, ball shaped flowers. |
| 5 | Saraca ashoka | Sita Ashoka | 300 | Shady tree with red-yellow flowers. |
| 6 | Ficus retusa | Nandruk | 95 | Shady tree, good for roadside plantation. |
| 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 | Lemon grass/ Gavati Chaha | 1m | 1 | |
| 2 | Tulas | 0.4m | 0.6 | |
| 3 | Korphad | 0.4m | 0.5 | |
| 4 | Adulasa | 3.5m | 3 | |
| 5 | Chitrak | 0.5m | 0.4 | |
| 6 | Krishna kamal | 1.5m | 1.5 | |
| 7 | Kadipatta | 1.5m | 0.5 | |
| 47.Energy | | | | |


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| | | |
|---------------------------|--|---|
| Power requirement: | Source of power supply : | Reliance Energy Ltd |
| | During Construction Phase: (Demand Load) | 200KW |
| | DG set as Power back-up during construction phase | D.G sets shall be used as per the requirements. |
| | During Operation phase (Connected load): | 36,299 KW |
| | During Operation phase (Demand load): | 24020 KW |
| | Transformer: | 1) Building A1 to A3:4 x 1000, 3 x 750, 2 x 630 kVA 2) A4 to A6: 4 x 1000, 3 x 750 kVA 3) B1 to B3: 4 X 1000, 4 X 750kVA 4) B4 to B6: |
| | DG set as Power back-up during operation phase: | 14 Nos of 750kVA, 2Nos of 330kVA. |
| | Fuel used: | HSD |
| | Details of high tension line passing through the plot if any: | NA |

48. Energy saving by non-conventional method:

Energy saving measures: Energy conservation will be done by adopting the following methods.

- a) Energy efficient fluorescent tube lights & LED lamps will be used.
- b) Presence sensors & day - light sensors will be provided where evr feasible.
- c) Solar operated pole lights will be proposed to power pathway lights at some strategic locations.
- d) Use of energy saving devices (CFL light and Patti light) .
- e) Drip irrigation shall be used for gardening purpose to reduce the wastage of water .
- f) Use of high energy efficient pumps for fire fighting, UG tanks and STP.
- g) General lighting shall be through energy efficient flurosecent lamps and illumination levels shall be generally in line with National Building Code.

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|---|---|
| 1 | a) Replacing 60w incandescent lamps with 18W LED lamps with circuit controls. b) Air conditioning load - High COP chillers, Demand control ventilation, Variable pumping , Speed control in AHUs. c) Regeneration braking of elevators d) High efficiency motors for PHE systems. e) Solar powered water heating f) Solar photovoltaic power generation for external lighting | 7.858 Mil Units / Energy savings - 22.51% |

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. 60 Lakhs |
| | O & M cost: | Rs. 6 Lakhs |

51. Environmental Management plan Budgetary Allocation

| | | | |
|---|---|--------------------------------|--|
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| a) Construction phase (with Break-up): | | | |
|---|------------|----------------------------|------------------------------------|
| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
| 1 | 1 | Water For Dust Suppression | 10 |
| 2 | 2 | Site Sanitation | 10 |
| 3 | 3 | Environment Monitoring | 15 |
| 4 | 4 | Disinfection | 5 |
| 5 | 5 | Health Check Up | 20 |
| 6 | 6 | Total Cost | 60 |

| 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 | MBBR technology (303MLD capacity) | 450 | 36 |
| 2 | Rain Water Harvesting | 19 underground tanks for capturing terrace water | 80 | 2 |
| 3 | Environmental Monitoring | Environmental Monitoring | NABL/MOEF approved Laboratory for monitoring | 16 |
| 4 | Solar Lights | 300 poles | 60 | 6 |
| 5 | Gardening | Gardening | 50 | 10 |
| 6 | Solid Waste Management | Treatment of biodegradable garbage in OWC(4.64 tonnes per Day) | 30 | 2.5 |
| 7 | Cost for Safety and fire fighting | 17 buildings | 3400 | 85 |

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: | Access to the plot is from 24.0 m wide D.P road. |
|---|--|



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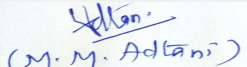

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| | | |
|---|--|---|
| Parking details: | Number and area of basement: | Building No. 1 (Residential): 2,34,449.50 Sqm of 3 Basements , Building No. 2 & 3 (Residential & Commercial): 18,645.00 Sqm of 1 Basement |
| | Number and area of podia: | Building no. 1 (Residential): 44,727.40 & 1 Basement , Building No. 2 (Residential): 8,445.35 Sqm & 1 Basement |
| | Total Parking area: | 23,449.55 Sqm in Basement of Building No.1, 18,645.00 Sqm in Basement of Building No. 2&3, 44,727.40 Sqm in podium of Building No. 1, 8,445.35 Sqm in Podium of Building No. 2. |
| | Area per car: | 13.75 |
| | Area per car: | 13.75 |
| | Number of 2-Wheelers as approved by competent authority: | 2-Wheelers are not proposed |
| | Number of 4-Wheelers as approved by competent authority: | 2423 |
| | Public Transport: | Yes |
| | Width of all Internal roads (m): | All internal roads are 6m wide. |
| | CRZ/ RRZ clearance obtain, if any: | The subject plot u/r is not falling in CRZ area as per HTL demarcation plan prepared by MoEF authorized agency i.e. IRS Chennai. |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | NA |
| | Category as per schedule of EIA Notification sheet | NA |
| | 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 | | |
| Summorisred 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. AQURA LABS PVT.LTD.

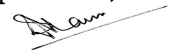
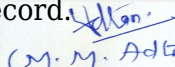
PP informed that, the project under consideration is expansion in existing housing project of PWD. PP further stated that, the total plot area of the project is 1,27,503.12 Sq.mt having total construction area 757826Sq. mt. (FSI - 2,93,423.45 Sq.mt. + NON FSI- 4,64,402.52 Sq. mt.) and the building configuration is as follow-

| Building Name & number | Number of floors | Height (Mtrs) |
|------------------------------|---|---------------|
| Building No. 1 (Residential) | Wing A1 - A6 : 3Basements + Stilt + 2 Podiums + 28 Floors | 95.75 |
| Building No. 2 (Residential) | Wing A7 - A9 : 1Basement + Stilt + 2 Podiums + 28 Floors | 95.75 |
| Building No. 3 (Residential) | Wing B1 - B6 : 1 Basement + Stilt+2 Podiums + 28 Floors | 95.75 |
| Building No. 4 (Residential) | Wing C1 - C5 : 1Basement + Stilt+ 2Podiums + 28 Floors | 95.75 |
| Building No. 5 (Residential) | Wing D1-D3: 1Basements + Stilt+ 2Podiums + 28 Floors | 95.75 |
| Building No. 6 (Commercial) | 1 Basement + Stilt + 2 Podiums + 21 Floors | 77.50 |

It is noted that, Project has received Environmental clearance vide letter dated 23rd March 2006.

It is noted that the project earlier considered in 107th Meeting held on 29-07-2019 & deferred with observations namely 1) to upload the copy of work order issued by PWD which was submitted during the presentation. 2) to upload the copy of acknowledgement for plan submitted to local planning authority. 3) to clarify the proposed building configuration with height 77.50 meters and 69.95 meters complying with NBC norms for floor height. 4) to upload the revised architect certificate submitted during the meeting. 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 (B1) category of EIA Notification, 2006. Consolidated statements, synopsis of

| | | | |
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Agenda of 110th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 110 Meeting Date August 30, 2019

Subject: Environment Clearance for Environment Clearance for proposed Residential and Commercial project at Village Sarang & Vehale, Taluka Bhiwandi, District Thane by Xrbia Warai Developers Pvt. Ltd.

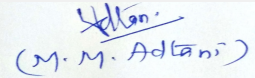
Is a Violation Case: No

| | |
|---|---|
| 1.Name of Project | Proposed Residential and Commercial project at Village Sarang & Vehale, Taluka Bhiwandi, District Thane by Xrbia Warai Developers Pvt. Ltd. & 4 others (Sujitkumar Jitpratap Singh, Homeway Landmark LLP, Ashish Vijay Bhansali, Vijay Motilal Bhansali) |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | Xrbia Warai Developers Pvt. Ltd. & 4 Others (Sujitkumar Jitpratap Singh, Homeway Landmark LLP, Ashish Vijay Bhansali, Vijay Motilal Bhansali) |
| 4.Name of Consultant | Mahabal Enviro Engineers Pvt. Ltd., F-7, Road No. 21, Wagle Estate, Thane (West)-400604 |
| 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 | Land bearing Gat no. 12/1, 12/3/a, 12/3/b, 13/4, 13/13, 14/3, 13/3,13/12, 14/5 of Village Vehale and 52, 53/1, 53/8, 53/5, 53/6, 54/1, 49/5, 49/12, 49/6, 53/4, 53/2, 49/10, 53/3, 53/7, 53/9 of Village Sarang, Taluka Bhiwandi, District Thane. |
| 9.Taluka | Bhiwandi |
| 10.Village | Sarang & Vehale |
| Correspondence Name: | Mr. Veer Bharati Kouls (Authorized Person for Correspondence) |
| Room Number: | 929 |
| Floor: | 1st Floor |
| Building Name: | Mantri House |
| Road/Street Name: | FC Road |
| Locality: | Pune |
| City: | Pune |
| 11.Whether in Corporation / Municipal / other area | Mumbai Metropolitan Region Development Authority (MMRDA) |
| 12.IOD/IOA/Concession/Plan Approval Number | Received IOD vide no. SROT/BSNA/2501/BP/Sarang-Vehale-01/2546/2018 dated 27.12.2018 IOD/IOA/Concession/Plan Approval Number: Received IOD vide no. SROT/BSNA/2501/BP/Sarang-Vehale-01/2546/2018 dated 27.12.2018 Approved Built-up Area: 128472 |
| 13.Note on the initiated work (If applicable) | No work has been initiated as it is a new project |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | Not Applicable |
| 15.Total Plot Area (sq. m.) | 55,800 m2 |
| 16.Deductions | Total deductions 3,290 m2 (Road widening (45 m) : 2,443 m2 , Proposed railway line-847 m2) |
| 17.Net Plot area | 52,420 m2 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): 73,875 m2 |
| | b) Non FSI area (sq. m.): 54,597 m2 |
| | c) Total BUA area (sq. m.): 128472 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 73,875 m2 |
| | Approved Non FSI area (sq. m.): 54,597 m2 |
| | Date of Approval: 27-12-2018 |
| 19.Total ground coverage (m2) | 9,683.06 m2 |


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| | |
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| 20. Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 18.47 % of total net plot area |
| 21. Estimated cost of the project | 2070000000 |

22. Number of buildings & its configuration

| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|------------------------|---------------------------------|-------------------------------|
| 1 | Building A1 | P + 22 floors | 66.70 |
| 2 | Building B1 | P + 17 floors | 52.45 |
| 3 | Building B2 | P + 17 floors | 52.45 |
| 4 | Building B3 | P + 17 floors | 52.45 |
| 5 | Building C1 | P + 21 floors | 63.85 |
| 6 | Building D1 | G + 1 floor + 20 parking floors | 66.30 |

| | |
|--|---|
| 23. Number of tenants and shops | 1. Total number of tenements - 3,157 nos. 2. Total number of shops - 50 nos. |
| 24. Number of expected residents / users | Total population - 12,295 nos. (Residential population - 12,145 nos., Commercial population - 150 nos.) |
| 25. Tenant density per hectare | 602 tenants/ha |
| 26. Height of the building(s) | |
| 27. Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 45 m wide DP road |
| 28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | Internal road - 12 m & Turning radius - 9 m |
| 29. Existing structure (s) if any | Not applicable |
| 30. Details of the demolition with disposal (If applicable) | Not applicable |


31. Production Details

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

32. Total Water Requirement

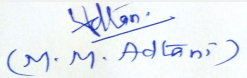
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| Dry season: | Source of water | S.T.E.M, Thane | | | | | | | | |
|---|--|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| | Fresh water (CMD): | 1,097 | | | | | | | | |
| | Recycled water - Flushing (CMD): | 549 | | | | | | | | |
| | Recycled water - Gardening (CMD): | 103 | | | | | | | | |
| | Swimming pool make up (Cum): | Not applicable | | | | | | | | |
| | Total Water Requirement (CMD) : | 1,646 | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | As per Fire NOC | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | As per Fire NOC | | | | | | | | |
| | Excess treated water | 575 | | | | | | | | |
| Wet season: | Source of water | S.T.E.M, Thane | | | | | | | | |
| | Fresh water (CMD): | 1,097 | | | | | | | | |
| | Recycled water - Flushing (CMD): | 549 | | | | | | | | |
| | Recycled water - Gardening (CMD): | 51 | | | | | | | | |
| | Swimming pool make up (Cum): | Not applicable | | | | | | | | |
| | Total Water Requirement (CMD) : | 1,646 | | | | | | | | |
| | Fire fighting - Underground water tank(CMD): | As per Fire NOC | | | | | | | | |
| | Fire fighting - Overhead water tank(CMD): | As per Fire NOC | | | | | | | | |
| | Excess treated water | 626 | | | | | | | | |
| Details of Swimming pool (If any) | Not applicable | | | | | | | | | |
| 33.Details of Total water consumed | | | | | | | | | | |
| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | | |
| | 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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| | | |
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| 34. Rain Water Harvesting (RWH) | Level of the Ground water table: | Summer season -18.40 m to 24.00 m below ground level (21.20 m below ground level average), Rainy season - 8.80 m to 13.00 m below ground level (10.90 m below ground level average), Winter season - 13.60 m to 18.50 m below ground level (16.05 m below ground level average) |
| | Size and no of RWH tank(s) and Quantity: | Not applicable |
| | Location of the RWH tank(s): | Not applicable |
| | Quantity of recharge pits: | 11 nos. of recharge pits |
| | Size of recharge pits : | 2 m x 2 m x 2 m |
| | Budgetary allocation (Capital cost) : | Rs.20 Lakh |
| | Budgetary allocation (O & M cost) : | Rs.4 Lakh/Year |
| | Details of UGT tanks if any : | 1. Domestic UG tank capacity - 1,097 m ³ 2. Flushing UG tank capacity - 550 m ³ 3. Fire UGT tank capacity - As per Fire NOC |

| | | |
|---------------------------------|--|--|
| 35. Storm water drainage | Natural water drainage pattern: | As per contour |
| | Quantity of storm water: | 32.27 m ³ /min |
| | Size of SWD: | Pipe and chamber network diameter 150, 200, 250, 300, 450 mm |

| | | |
|-------------------------------|---|--|
| Sewage and Waste water | Sewage generation in KLD: | 1,400 m ³ /day |
| | STP technology: | Moving Bed Biofilm reactor (MBBR) |
| | Capacity of STP (CMD): | 1 no. of STP having capacity 1,469 m ³ /day |
| | Location & area of the STP: | Location - On ground (South side of the project), Area of STP - 700 m ² |
| | Budgetary allocation (Capital cost): | Rs.115 Lakh |
| | Budgetary allocation (O & M cost): | Rs.32 lakh /Year |

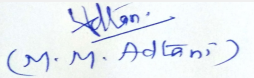
36. Solid waste Management

| | | |
|---|---|---|
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | The total excavation quantity is 16,580 m ³ |
| | Disposal of the construction waste debris: | The debris will be stored in amenty space & will be used for landscaping purpose. |
| Waste generation in the operation Phase: | Dry waste: | 1,433 kg/day |
| | Wet waste: | 2,204 kg/day |
| | Hazardous waste: | Not applicable |
| | Biomedical waste (If applicable): | Not applicable |
| | STP Sludge (Dry sludge): | 99 kg/day |
| | Others if any: | E-waste - 37 kg/day |


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| | | |
|--|--|--|
| Mode of Disposal of waste: | Dry waste: | Dry garbage will be segregated & disposed of to recyclers. |
| | Wet waste: | Wet garbage will be treated by using Organic waste converter machine |
| | Hazardous waste: | Not applicable |
| | Biomedical waste (If applicable): | Not applicable |
| | STP Sludge (Dry sludge): | Dry sludge can be used as manure for plantation & gardening purposes inside the premise. |
| | Others if any: | E-waste authorized hazardous waste management agencies.. |
| Area requirement: | Location(s): | On ground |
| | Area for the storage of waste & other material: | 200 m ² |
| | Area for machinery: | 55 m ² |
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs.30 Lakh |
| | O & M cost: | Rs.3 Lakh/year |

37.Effluent Charecterestics

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

38.Hazardous Waste Details


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

39.Stacks emission Details

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

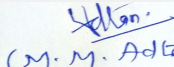
40.Details of Fuel to be used

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


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| | | |
|----------------------------------|--|--|
| 43.Green Belt Development | Total RG area : | 13,342.20 m ² |
| | No of trees to be cut : | 19 nos. of trees will be cut/transplanted |
| | Number of trees to be planted : | 698 nos. |
| | List of proposed native trees : | Provided |
| | Timeline for completion of plantation : | 6 to 9 months after completion of Civil Works. |

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 | Albizzia Lebbek | Shirish | 22 | Shady tree with yellowish green fragrant flowers |
| 2 | Artocarpus heterophyllus | Fanas | 46 | Shady tree, arrests soil erosion |
| 3 | Azadirachta indica | Neem/ Kadunimb | 38 | Hardy, drought resistant Medicinal Tree |
| 4 | Bauhinia purpurea | Apata /Kanchan | 28 | Butterfly-host tree |
| 5 | Cassia fistula | Bhava | 24 | Drought-resistant, Shady Tree |
| 6 | Dalbergia Sisoo | Sisoo/ Shisham | 27 | Drought-resistant, Shady Tree |
| 7 | Lagerstroemia Flosreginae | Tamhan | 33 | Hardy, Shady, Ornamental Tree |
| 8 | Mangifera Indica | Mango/ Amba | 93 | Fruits attract birds and butterflies |
| 9 | Michelia Champaka | Piwala Chapha | 15 | Butterfly Host Plant |
| 10 | Muntingia Calabaura | Cherry | 94 | Fruits attract Birds and Butterflies |
| 11 | Pterospermum Acerifolium | Muchkund | 37 | Quick growing tree |
| 12 | Pongamia Pinnata | Karanj | 20 | Shade-giving tree |
| 13 | Saraca Indica | Sita Ashok | 60 | Shade-giving tree |
| 14 | Syzgium Cumini | Jamun/ Jambhul | 99 | Shady Tree, fruits attract birds and butterflies |
| 15 | Tamarindus Indica | Imli/ chinch | 62 | Shady tree, fruits attract birds and butterflies |
| 16 | Total No of Trees | - | 698 | - |
| 17 | Existing Trees | - | 10 nos. (to retained) + 19 nos. (to be cut/transplanted) = 29 nos. | - |

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 m ² |
|---------------|----------------|----------------|---------------------|
| 1 | Not applicable | Not applicable | Not applicable |

47.Energy

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

| | | |
|---------------------------|--|--|
| Power requirement: | Source of power supply : | Maharashtra State Electricity Distribution Company Ltd. (MSEDCL) |
| | During Construction Phase: (Demand Load) | 100 kW |
| | DG set as Power back-up during construction phase | 1 no. x 125 kVA |
| | During Operation phase (Connected load): | 4,540 kW |
| | During Operation phase (Demand load): | 3,766 kW |
| | Transformer: | 6 nos. x 630 kVA |
| | DG set as Power back-up during operation phase: | 1 no. x 400 kVA |
| | Fuel used: | Diesel |
| | Details of high tension line passing through the plot if any: | Not applicable |

48. Energy saving by non-conventional method:

- ? LED lights, VFD and APFC Panel in Lifts, Water pumps for non-conventional
- ? Solar hot water systems for residential building.
- ? Solar panel lights will be installed for common facilities wherever possible.
- ? Solar street lights are proposed for common area such as open spaces, pathways, RG etc. for the conventional method.

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|--|----------|
| 1 | Energy Saving from LED Lights | 1.78% |
| 2 | Energy Saving from VFD & APFC in Lifts | 0.21% |
| 3 | Energy Saving from VFD in Pumps | 0.70% |
| 4 | Energy Saving from Solar Water Heaters | 13.44% |
| 5 | Energy Saving from Solar PV | 0.52% |
| 6 | Overall energy saving for the project | 17% |

50. Details of pollution control Systems


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

| | | |
|--|------------------------|-----------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | Rs.127 Lakh |
| | O & M cost: | Rs.15 Lakh/year |

51. Environmental Management plan Budgetary Allocation

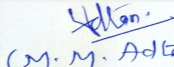
a) Construction phase (with Break-up):

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


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| | | | |
|---|---------------------------------|---|----|
| 1 | Air water Environment | During the construction phase, water will be required for sprinkling for suppression of dust and for construction purpose. | 2 |
| 2 | Site sanitation & Health Safety | Toilet facility provided to the labours. Six monthly health checkup and doctor visit as per requirement, First aid facilities | 5 |
| 3 | Environment Monitoring | Ambient air, drinking water, noise and soil testing on monthly basis. | 2 |
| 4 | Disinfection | Cleaning and maintaining the site. | 3 |
| 5 | Health Check up | Masks, Ear plugs, safety shoes, safety goggles, safety harness, Safety belt, helmets, safety net, hand gloves etc. | 3 |
| 6 | Total | - | 15 |

b) Operation Phase (with Break-up):

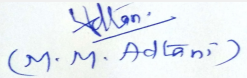
| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|---|--|--------------------------|---|
| 1 | Sewage Treatment plant | 1 no. of STP having capacity of 1,469 m ³ /day | 115.00 | 32.00 |
| 2 | Solid Waste management | 1 no. of OWC unit | 30.00 | 3.00 |
| 3 | Landscape & Irrigation Development | 698 nos. of trees to be planted. Developed and maintained landscape area is 13,348.20 m ² | 55.00 | 6.00 |
| 4 | Environment Monitoring | Air, Water, Noise, Soil, surface water, STP treated water etc. | MoEF approved laboratory | 5.00 |
| 5 | Energy conservation | Solar street lighting | 127.00 | 15.00 |
| 6 | Rain water harvesting | 11 nos. of recharge pits of Size of recharge pits: 2 m x 2 m x 2 m | 20.00 | 4.00 |
| 7 | Laying of storm & Sever line up to final disposal point | Storm water channel will connect up to nalla line | 135.00 | 5.00 |
| 8 | Total | - | 482.00 | 70.00 |

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


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| 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 of junction |
| Parking details: | Number and area of basement: | Not applicable |
| | Number and area of podia: | 1 no. of podium having area 6,276.72 m ² |
| | Total Parking area: | 44,303.98 m ² |
| | Area per car: | Open parking 25 m ² /car; covered parking 37.65 m ² /car |
| | Area per car: | Open parking 25 m ² /car; covered parking 37.65 m ² /car |
| | Number of 2-Wheelers as approved by competent authority: | 3,203 nos. |
| | Number of 4-Wheelers as approved by competent authority: | 812 nos. |
| | Public Transport: | Not applicable |
| | Width of all Internal roads (m): | 12 m |
| | CRZ/ RRZ clearance obtain, if any: | Not applicable |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | Not applicable |
| | Category as per schedule of EIA Notification sheet | 8 (a) B2 category |
| | Court cases pending if any | Not applicable |
| | Other Relevant Informations | Not applicable |


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| | | |
|--|---|----|
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

PP was present during the meeting along with environmental consultant M/s. Mahabal Enviro Engineers Pvt. Ltd.,


PP informed that, the project under consideration is new housing project. PP further stated that, the total plot area of the project is 55,800 Sq.mt. having total construction area 128472 Sq.mt. (FSI - 73,875 Sq.mt. + NON FSI- 54,597 Sq.mt.) and the building configuration is as follow-

| Building Name & number | Number of floors | Height (Mtrs) |
|------------------------|---------------------------------|---------------|
| Building A1 | P + 22 floors | 66.70 |
| Building B1 | P + 17 floors | 52.45 |
| Building B2 | P + 17 floors | 52.45 |
| Building B3 | P + 17 floors | 52.45 |
| Building C1 | P + 21 floors | 63.85 |
| Building D1 | G + 1 floor + 20 parking floors | 66.30 |

It is noted that the project earlier considered in 104th (Day-2) Meeting Meeting held on 27-06-2019 & deferred with observations namely. 1) to explore the possibility to laid down sewer line & storm water line upto MMRDA's existing sewer & storm water network and accordingly submit the detail timeline & plan for the same. 2) to submit the letter from competent authority regarding availability of water & water supply to the project. Accordingly, PP submitted the compliance which was taken on record.

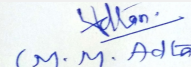
The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of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

DECISION OF SEAC


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

Specific Conditions by SEAC:

- 1) It is noted that representative of PP not submitted the authority letter. PP to submit the same along with copy of company resolution, resolution regarding authorized signatory & letter from other JV authorities regarding the authority given to Mr Kouls to present the proposal.
- 2) Committee noted that, PP have not submitted the proper reply for the point no 1 i.e “to explore the possibility to laid down sewer line & storm water line upto MMRDA’s existing sewer & storm water network and accordingly submit the detail timeline & plan for the same” PP to submit the time line & detail plan regarding sewer disposal.

FINAL RECOMMENDATION

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

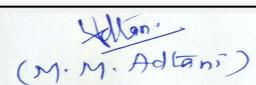
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**Shri M.M.Adtani (Chairman
SEAC-II)**


Agenda of 110th Meeting of State Expert Appraisal Committee-2 (SEAC-2)

SEAC Meeting number: 110 Meeting Date August 30, 2019

Subject: Environment Clearance for Environment Clearance for proposed expansion of proposed residential Building No. 7, 9 & 10 and Existing Building No. 1, 2, 3, 4, 5, 6 & 8 which are approved, and OC granted on plot Bearing CTS. No. 514, 531(pt), 531/1 to 14, 532A (pt) and 534 of Village Nahur, at L.B.S Road, 'T' ward, Mulund (W), Mumbai, in 'T' ward (E.S)

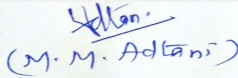
Is a Violation Case: No

| | |
|---|--|
| 1.Name of Project | Proposed expansion of proposed residential Building No. 7, 9 & 10 and Existing Building No. 1, 2, 3, 4, 5, 6 & 8 which are approved, and OC granted on plot Bearing CTS. No. 514, 531(pt), 531/1 to 14, 532A (pt) and 534 of Village Nahur, at L.B.S Road, 'T' ward, Mulund (W), Mumbai, in 'T' ward (E.S) |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | M/s. Lohitka Properties LLP |
| 4.Name of Consultant | AQURA Enviro Projects Pvt. Ltd. |
| 5.Type of project | Township Project |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Expansion |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | Environment Clearance Obtained from Municipal Corporation of Greater Mumbai (MCGM) Environment Cell vide letter no. Dy. Ch. E/9113/BPES/Dated: 08/12/2017. |
| 8.Location of the project | C.T.S. NO. 514, 531(PT), 531/1 TO 14, 532A (PT) & 534 of Village Nahur, at L.B.S Road, Mulund (W), Mumbai in 'T' ward (E.S). |
| 9.Taluka | Kurla |
| 10.Village | Nahur |
| Correspondence Name: | Nayan Parulekar |
| Room Number: | -- |
| Floor: | Ground Floor & 3rd Floor |
| Building Name: | Prius Infinity |
| Road/Street Name: | Subhash Road |
| Locality: | Vile Parle (East) |
| City: | Mumbai 400057 |
| 11.Whether in Corporation / Municipal / other area | Municipal Corporation of Greater Mumbai (MCGM) |
| 12.IOD/IOA/Concession/Plan Approval Number | Received IOD for Bldg 7 A, B & C , C.C for Building No. 7 A & B wing - Stilt + 5 Podiums + 31st Floor, C.C for Building No. 7 C wing - Stilt + 5 Podiums + 1st Floor, Concession approval for 7 A,B,C and 10 A,B,C IOD/IOA/Concession/Plan Approval Number: CHE/ES/2119/T/337(NEW) Bldg no 7,wing A,B,C IOD -01/09/2016 C.C -11/03/2019 Bldg no 7A,B,C Amended plan date - 20/06/2018 & 11/03/2019 CHE/ES/2036/T/337(NEW) Bldg No.10 wing C: IOD -15/10/2016, CC -15/10/2016 , Concession approval for Bldg 7A,B,C and 10A,B,C -21.05.2018 Approved Built-up Area: 164759.67 |
| 13.Note on the initiated work (If applicable) | Construction done on site as per earlier EC obtained; Construction area on site: 39,112.41 Sq. M. Building Configuration: Bldg 7A, B:Stilt + 5P+24 Floors Bldg 7C:Stilt + 3 Podium Parking Podium for Bldg 7 -A, B & C (outside the building line): Stilt+ 4 Podium |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | Not Applicable |
| 15.Total Plot Area (sq. m.) | 59276.00 Sq. M. |
| 16.Deductions | 2216.94 Sq. m (Set Back Area: 421 Sq. m + Encroachment Area: 1795.94 Sq. m) |
| 17.Net Plot area | 57059.06 Sq. M. |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | a) FSI area (sq. m.): Total FSI Area = 164759.67Sq. m, FSI Area (for proposed buildings no. 7, 9 & 10) = 116093.35 Sq. M. b) Non FSI area (sq. m.): Total Non FSI Area = 136108.05 Sq. m, Non-FSI Area (for proposed buildings no. 7, 9 & 10) = 131546.73 Sq. M. c) Total BUA area (sq. m.): 300867.72 |


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| | |
|---|--|
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): Total FSI Area = 164759.67Sq. M. FSI Area (for proposed buildings no. 7, 9 & 10) = 116093.35 Sq. M. FSI Area of Existing Buildings = 48666.32 Sq. M. |
| | Approved Non FSI area (sq. m.): Total Non FSI Area = 136108.05 Sq. m, Non FSI Area (for proposed buildings no. 7, 9 & 10) = 131546.73 Sq. M. Non FSI Area of Existing Buildings = 4561.32 Sq. M |
| | Date of Approval: 21-05-2018 |
| 19.Total ground coverage (m2) | 21470.61 Sq. m |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 36.22% |
| 21.Estimated cost of the project | 6360000000 |

22.Number of buildings & its configuration

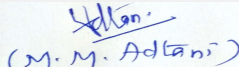
| Serial number | Building Name & number | Number of floors | Height of the building (Mtrs) |
|---------------|--|---|---|
| 1 | Proposed Building - Building No. 7: - Wing A, B & C | Stilt + 1st to 5th Podium + 6th Podium/E Deck Floor + 1st to 43rd upper floor | Wing A & B - 162.85 - mt. Wing C - 171.45 mt. |
| 2 | Proposed Building - Building No. 10: - Wing A, B & C | Stilt + 1st to 5th Podium + 6th Podium/E Deck Floor + 1st to 43rd upper floor | Wing A & B - 162.85 mt. Wing C - 171.45 mt. |
| 3 | Building No. 9 (Handed over to MCGM) | Ground + 1st to 4 floors (Amenity Building - Parking Building) | 14.80 m |
| 4 | Existing Building- Building No. 1 (Commercial) | Ground + 2 Floors | 13.33 m |
| 5 | Existing Building- Building No. 2 | Ground + 8 Floors | 26.16 m |
| 6 | Existing Building- Building No. 3 | Ground + 8 Floors | 26.16 m |
| 7 | Existing Building- Building No. 4 | Ground + 8 Floors | 26.16 m |
| 8 | Existing Building- Building No. 5 | Ground + 8 Floors | 26.16 m |
| 9 | Existing Building- Building No. 6 | Ground + 8 Floors | 26.16 m |
| 10 | Existing Building- Building No. 8 | Ground + 8 Floors | 26.16 m |
| 11 | Building No. 10: - Wing A, B & C | Stilt + 1st to 5th Podium + E Deck Floor + 1st to 43rd upper floors | Wing A & B - 162.85 mt. Wing C - 171.45 mt. |

| | |
|--|---|
| 23.Number of tenants and shops | <p>Proposed Buildings: Building No. 7 wing A, B & C = 498 Flats Building No. 10 wing A, B & C = 498 Flats Total: 996 Flats</p> <p>Existing Buildings: Flats = 672 Shops = 21 Office = 82 Total = 775</p> <p>Total Flats on Entire Plot = 996 + 672 = 1668 Shops = 21 Office = 82</p> |
| 24.Number of expected residents / users | Building No. 7: Wing A, B & C = 2490 Building No. 10: Wing A, B & C = 2490 Residents: 4980 Nos. Building Staff: 43 Drivers: 996 Maids: 996 Visitors: 250 Total Populations: 7265 Nos. |
| 25.Tenant density per hectare | 310 |
| 26.Height of the building(s) | |


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| | |
|---|-------------------------------|
| 27.Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 18.30 m - Marathon Ave Road |
| 28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 9.00 - 12.00 m turning radius |
| 29.Existing structure (s) if any | No |
| 30.Details of the demolition with disposal (If applicable) | Not applicable |

31.Production Details

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

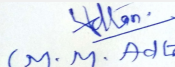
32.Total Water Requirement

| | | |
|-------------|--|------|
| Dry season: | Source of water | MCGM |
| | Fresh water (CMD): | 480 |
| | Recycled water - Flushing (CMD): | 257 |
| | Recycled water - Gardening (CMD): | 132 |
| | Swimming pool make up (Cum): | 842 |
| | Total Water Requirement (CMD) : | 738 |
| | Fire fighting - Underground water tank(CMD): | 600 |
| | Fire fighting - Overhead water tank(CMD): | 200 |
| | Excess treated water | 189 |


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| | | |
|--------------------|---|------|
| Wet season: | Source of water | MCGM |
| | Fresh water (CMD): | 480 |
| | Recycled water - Flushing (CMD): | 257 |
| | Recycled water - Gardening (CMD): | 00 |
| | Swimming pool make up (Cum): | 842 |
| | Total Water Requirement (CMD) : | 738 |
| | Fire fighting - Underground water tank(CMD): | 600 |
| | Fire fighting - Overhead water tank(CMD): | 200 |
| | Excess treated water | 321 |

Details of Swimming pool (If any)

Details of Swimming pool (If any):
Main Pool
Volume = 618.25 sq.mt x 1.2 m -741.90 Cum
Capacity = 741.90 Cum
Water Requirement = 740 Cum
Make up Water Requirement = 74 Cum
Kids Pool
Volume = 113.88 sq.mt x 0.9 m -102.49Cum
Capacity = 102.49 Cum
Water Requirement = 102 Cum
Make up Water Requirement = 10 Cum
Filtration Plant Location: 5th Podium


33.Details of Total water consumed

| Particulars | Consumption (CMD) | | | Loss (CMD) | | | Effluent (CMD) | | |
|-------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | 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: | 2.5 meters below ground | |
| | Size and no of RWH tank(s) and Quantity: | Size: Area: 58.83 Sq. m. Depth: 2.850 m., 2 RWH tank of 85 CMD each (Raw & treated Rain water tank) | |
| | Location of the RWH tank(s): | Below Ground | |
| | Quantity of recharge pits: | No | |
| | Size of recharge pits : | Not Applicable | |
| | Budgetary allocation (Capital cost) : | 11.9 Lacs | |
| | Budgetary allocation (O & M cost) : | 1.2 Lacs/Year | |
| | Details of UGT tanks if any : | Fire Fighting Tank: 600 CMD Domestic Water Tank: 480 CMD Flushing Water Tank: 257 CMD Rain Water Harvesting Tank: 170 CMD | |
| 35. Storm water drainage | Natural water drainage pattern: | SWD by Gravity & connected to south side | |
| | Quantity of storm water: | 0.208 m ³ /Sec | |
| | Size of SWD: | Ranging from 450 - 600 mm wide storm water drain Channel, Slope 1:300 | |
| Sewage and Waste water | Sewage generation in KLD: | 642 KLD | |
| | STP technology: | Moving Bed Bio-Reactor (MBBR) Technology | |
| | Capacity of STP (CMD): | 2 STPs of 325 KLD each; Total capacity: 650 KLD | |
| | Location & area of the STP: | Below Ground, Area: 553 Sq. M. | |
| | Budgetary allocation (Capital cost): | 97.35 Lacs | |
| | Budgetary allocation (O & M cost): | 9.8. Lacs/year | |
| 36. Solid waste Management | | | |
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Debris & construction waste shall be generated. Recyclable waste will be generated like empty cement bags & cans, scrap metal etc. | |
| | Disposal of the construction waste debris: | Recyclable waste like empty cement bags & empty paint cans shall be handed over to local vendors. Broken tiles shall be used for china mosaic of terrace. Scrap metals shall be sold to recyclers. Disposal of construction waste will be as per "Construction and Demolition waste management Rules 2016. | |
| Waste generation in the operation Phase: | Dry waste: | 1347 Kg/Day | |
| | Wet waste: | 898 Kg/Day | |
| | Hazardous waste: | Not Applicable | |
| | Biomedical waste (If applicable): | Not Applicable | |
| | STP Sludge (Dry sludge): | 6.5 Kg/Day | |
| | Others if any: | None | |
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| | | |
|-----------------------------------|--|--|
| Mode of Disposal of waste: | Dry waste: | Dry waste would be further segregated into recyclable and non-recyclable & it will be handed over to authorize vendors. |
| | Wet waste: | Wet Garbage will be treated in Mechanical Composting Unit 'Organic Waste Convertor' (OWC) and the compost generated would be used as manure for gardening purpose and excess would be sold to authorize vendors. |
| | Hazardous waste: | Not Applicable |
| | Biomedical waste (If applicable): | Not Applicable |
| | STP Sludge (Dry sludge): | Dry sludge would be used as manure for gardening purpose and excess would be sold to authorize vendors |
| | Others if any: | None |

| | | |
|--------------------------|--|------------------------------|
| Area requirement: | Location(s): | Ground Level |
| | Area for the storage of waste & other material: | 3 no. of OWC - 43 Sq. m each |
| | Area for machinery: | 10 Sq. M. at each location |

| | | |
|--|------------------------|---------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 36 Lakhs |
| | O & M cost: | 15 Lakhs/Year |

37. Effluent Characteristics

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

38. Hazardous Waste Details

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

39. Stacks emission Details


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

40. Details of Fuel to be used

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

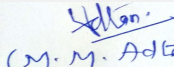
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| 41.Source of Fuel | | Not applicable | | |
|--|--|---|----------|---|
| 42.Mode of Transportation of fuel to site | | Not applicable | | |
| 43.Green Belt Development | Total RG area : | RG area for Proposed Buildings 7, 9 & 10 :- Ground RG Area: 5254.28 Sq. m, Paved RG area on ground: 1680.10 Sq. m, Podium RG Area: 6852.51 Sq. m, Podium Paved RG: 1265.98 Sq. m, Open Spaces Other than RG: 5619.60 Sq. m, RG area of existing buildings 1, 2, 3, 4, 5, 6 & 8 = 9448.56 Sq. M. | | |
| | No of trees to be cut : | 5 Nos. | | |
| | Number of trees to be planted : | 419 tree on Ground + 342 shrubs on podium = 761; Trees on Existing development (Bldg. no. 1, 2, 3, 4, 5, 6 & 8): 459 | | |
| | List of proposed native trees : | Shirish, Neem, Maharukh, Satwin, Karanj, Sita Ashok, Kadamb, Bahava, Bakul, Parijatak, Tamhan, Kunti, Apta, Pangara, Palas, Son chafa, Putranjiva, Fish Tail Palm. | | |
| | Timeline for completion of plantation : | After completion of construction work | | |
| 44.Number and list of trees species to be planted in the ground | | | | |
| Serial Number | Name of the plant | Common Name | Quantity | Characteristics & ecological importance |
| 1 | Albizialebbeck | Shirish | 20 | Shady tree, yellowish green fragrant flowers |
| 2 | Azadiracta indica | Neem | 15 | Large tree, good for roadside plantation |
| 3 | Ailanthus excelsa | Maharukh | 20 | Large tree, good for roadside plantation |
| 4 | Alstonia scholaris | Satwin | 20 | Shady Tree, white fragrant flowers |
| 5 | Pongamia pinnata | Karanj | 14 | Shady tree |
| 6 | Saraca asoka | Sita Ashok | 20 | Shady tree with red-yellow flowers. |
| 7 | Anthocephallus cadamba | Kadamb | 24 | Shady, large tree, ball shaped flowers. |
| 8 | Cassia fistula | Bahava | 26 | Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant |
| 9 | Mimusopselengi | Bakul | 20 | Shady tree, small white fragrant flowers |
| 10 | Nyctanthesarbor-tristis | Parijatak | 14 | Small deciduous fast growing tree, beautiful flowrers. |
| 11 | Lagerstroemia flos-regineae | Tamhan | 20 | State flower tree of Maharashtra, Medium sized tree, beautiful purple flowers |
| 12 | Murrayapaniculata | Kunti | 20 | Small tree, Fragrant white flowers,Butterfly host plant |
| 13 | Bauhinia racemosa | Apta | 20 | Small tree with small white flowers, Butterfly host plant |
| 14 | Erythrina indica | Pangara | 20 | Medium sized deciduous tree. Bright scarlet flowers |
| 15 | Butea monosperma | Palas | 20 | Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant |


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| | | | | |
|----|----------------------|----------------|----|--|
| 16 | Michelia champaca | Son chafa | 20 | Medium sized evergreen tree, fragrant yellow flowers, Butterfly host plant |
| 17 | Putranjivaroxburghii | Putranjiva | 20 | Medium sized evergreen tree |
| 18 | Caryotaurens | Fish Tail Palm | 20 | Ornamental tree |
| 19 | Alstoniascholaris | Satwin | 20 | Shady, large evergreen Tree, white fragrant flowers |
| 20 | Murrayakoengii | Curry leaf | 20 | 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 | VitexNegundi (Nirgudi) | 2.00 m | -- |
| 2 | AdhatodaVasica (Adulasa) | 1.75 m | -- |
| 3 | PlumbagoZeylanica (White Plumbago) | 1.50 m | -- |
| 4 | ZiziphusMauritiana (Ber) | 2.25 m | -- |
| 5 | Stachytarpheta sp | 2.25 m | -- |
| 6 | Cassia Tora (Takala) | 2.00 m | -- |
| 7 | Cassia auriculata (Tarwad) | 1.75 m | -- |
| 8 | Passiflora edulis (Krushnakamal) | 2.25 m | -- |
| 9 | Korphad | 1.50 m | -- |
| 10 | Tulas | 2.00 m | -- |
| 11 | Adulasa | 2.25 m | -- |
| 12 | Chitrak | 2.00 m | -- |
| 13 | Kadipatta | 2.25 m | -- |
| 14 | Wala | 1.75 m | -- |
| 15 | Wekhand | 2.00 m | -- |
| 16 | Gokarna | 1.50 m | -- |
| 17 | Piwala Kanchan | 2.25 m | -- |
| 18 | Kunti | 2.25 m | -- |
| 19 | Bahava | 1.75 m | -- |
| 20 | Kadipatta | 1.75 m | -- |

47.Energy

| | | |
|---------------------------|--|---|
| Power requirement: | Source of power supply : | Maharashtra State Electricity Distribution Company Limited (MSEDCL) |
| | During Construction Phase: (Demand Load) | 100 KW |
| | DG set as Power back-up during construction phase | None |
| | During Operation phase (Connected load): | 9417.34 KW |
| | During Operation phase (Demand load): | 3496.53 KW |
| | Transformer: | 3 x 1000 kVA |
| | DG set as Power back-up during operation phase: | 2 Nos. of 600 kVA |
| | Fuel used: | HSD |
| | Details of high tension line passing through the plot if any: | Yes |

48. Energy saving by non-conventional method:

Savings due to solar lighting: Providing 25% of street lighting/landscape lighting on solar Solar lighting for common areas

49. Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---------------|---|----------|
| 1 | Average Annual Energy Savings | 24.74 % |
| 2 | Energy saved by renewable source of energy in % compare to total energy saved | 3.22 % |

50. Details of pollution control Systems


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

| | | |
|--|------------------------|--------------|
| Budgetary allocation (Capital cost and O&M cost): | Capital cost: | 28 Lakhs |
| | O & M cost: | 4 Lakhs/Year |

51. Environmental Management plan Budgetary Allocation

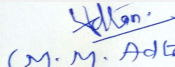
a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|-----------------|--|------------------------------------|
| 1 | Air Environment | Water for dust suppression, Tyre cleaning and Vehicle maintenance, Traffic Management (Sign Boards, Persons at entry exit and Parking area), | 1.00 |


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| | | | |
|---|----------------------------|---|------|
| 2 | Socio-economic Environment | Site sanitation | 1.0 |
| 3 | Health & Safety | Disinfection at Site | 0.5 |
| 4 | Health & Safety | Health check-up of workers | 1.00 |
| 5 | Health & Safety | Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Goggles, Hand Gloves etc.), Safety Training to Workers (Twice in Year), Safety Officer, Safety Nets | 5.00 |
| 6 | Environment management | Environmental Monitoring | 5.00 |
| 7 | Drinking water | Potable Water Supply | 2.00 |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|--------------------------|---|--------------------------|---|
| 1 | STP network | 2 STPsof 325 KLD each; Total capacity: 650 KLD | 97.35 | 9.8 |
| 2 | RWH System | 2 RWH tank of 85 CMD each (Raw & treated Rain water tank) (2 days storage capacity) | 11.9 | 1.2 |
| 3 | Solid Waste Management | Treating 898 Kg/Day Wet waste in Organic Waste Converter & Curing System | 36 | 15 |
| 4 | Solar Panel Installation | Solar Street Lights, Landscaping Lights, ? Solar water Heater (one toilet for top 12 floor of each tower) | 28 | 4 |
| 5 | Landscaping | Tree & Shrubs Plantation on site | 30 | 3 |


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

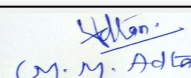
No Information Available

53.Traffic Management


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| | | |
|-------------------------|--|---|
| | Nos. of the junction to the main road & design of confluence: | None |
| Parking details: | Number and area of basement: | Nil |
| | Number and area of podia: | 6 Podiums, 68968.51 Sq. m. |
| | Total Parking area: | For Proposed Project (For building No. 7 & 10): 82897.47 Sq. m. (Stilt + Podiums), For Existing Buildings (For Building no. 1, 2, 3, 4, 5, 6 & 8): 14665 Sq. m (As per NBC) |
| | Area per car: | 35.25 Sq. m. |
| | Area per car: | 35.25 Sq. m. |
| | Number of 2-Wheelers as approved by competent authority: | 428 |
| | Number of 4-Wheelers as approved by competent authority: | Proposed Four Wheelers (For building No. 7 & 10): 2351 + Existing four wheelers (For Building no. 1, 2, 3, 4, 5, 6 & 8): 419 = Total Four Wheelers: 2770 |
| | Public Transport: | None |
| | Width of all Internal roads (m): | Above 6.00 m |
| | CRZ/ RRZ clearance obtain, if any: | No |
| | Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries | Sanjay Gandhi National Park - Approx. 540 m |
| | Category as per schedule of EIA Notification sheet | Category 'B' |
| | Court cases pending if any | No |
| | Other Relevant Informations | None |
| | Have you previously submitted Application online on MOEF Website. | No |
| | Date of online submission | - |

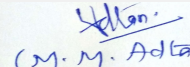
TOR Suggested Changes

| Consolidated Statement Point Number | Original Remarks | Submitted Changes |
|-------------------------------------|---|--|
| 23. Number of tenants and shops | Building No. 7(Wing A, B & C): 498 Building No. 10 (Wing A & B): 498 , Total: 996 Flats | Building No. 7(Wing A, B & C): 498 Building No. 10 (Wing A, B & C): 498 Total: 996 Flats |


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| | | |
|---|--|---|
| 24. Number of expected residents/Users | Building No. 7 (Wing A, B & C) = 2490 Building No. 10 (Wing A & B) = 2490 Residents: 4980 Nos. Building Staff: 43 Drivers: 996 Maids: 996 Visitors: 250 Total Populations: 7265 Nos. | Building No. 7 (Wing A, B & C) = 2490 Building No. 10 (Wing A, B & C) = 2490 Residents: 4980 Nos. Building Staff: 43 Drivers: 996 Maids: 996 Visitors: 250 Total Populations: 7265 Nos. |
| 54. Number of 2 Wheelers | 184 | 428 |
| 54. Number of 4 Wheelers | 2090 | 2351 |
| Distance from Protected areas/critically polluted areas/ Eco-sensitive areas/ interstate boundaries | Sanjay Gandhi National Park - Approx. 540 Km | Sanjay Gandhi National Park - Approx. 540 m |
| 17. Net Plot Area | 57213.36 Sq. m | 57059.06 Sq. m |

SEAC DISCUSSION ON ENVIRONMENTAL ASPECTS

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

Brief information of the project by SEAC

| | | | |
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Representative of PP was present during the meeting along with environmental consultant M/s. AQURA Enviro Projects Pvt. Ltd.

PP informed that, the project under consideration is *expansion in township project*. PP further stated that, the total plot area of the project is 59276.00 Sq.mt having total construction area 300867.72 Sq.mt (FSI - 116093.35 sq.mt +NON FSI- 131546.73 Sq.mt) and the building configuration is as follow-

| Building Name & number | Number of floors | Height (Mtrs) |
|---|--|---|
| Proposed Building - Building No. 7: - Wing A, B & C | Stilt + 1st to 5th Podium + 6th Podium/E Deck Floor + 1st to 43 rd upper floor | Wing A & B - 162.85 - mt. Wing C - 171.45 mt. |
| Proposed Building - Building No. 10: - Wing A, B & C | Stilt + 1st to 5th Podium + 6th Podium/E Deck Floor + 1st to 43 rd upper floor | Wing A & B - 162.85 mt. Wing C - 171.45 mt. |
| Building No. 9 (Handed over to MCGM) | Ground + 1st to 4 floors (Amenity Building - Parking Building) | 14.80 m |
| Existing Building- Building No. 1 (Commercial) | Ground + 2 Floors | 13.33 m |
| Existing Building- Building No. 2 | Ground + 8 Floors | 26.16 m |
| Existing Building- Building No. 3 | Ground + 8 Floors | 26.16 m |
| Existing Building- Building No. 4 | Ground + 8 Floors | 26.16 m |
| Existing Building- Building No. 5 | Ground + 8 Floors | 26.16 m |
| Existing Building- Building No. 6 | Ground + 8 Floors | 26.16 m |
| Existing Building- Building No. 8 | Ground + 8 Floors | 26.16 m |
| Building No. 10: - Wing A, B& C | Stilt + 1st to 5th Podium + E Deck Floor + 1st to 43rd upper floors Wing A & B - 162.85 mt. Wing C - | 171.45 mt. |

It is noted that, Project has received Environmental clearance vide letter dated 08/12/2017.

It is noted that the project earlier considered in 104th (Day-2) Meeting held on 27-06-2019 & revised ToR accorded for the same. Accordingly, PP submitted the EIA & 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 (B1) 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 dated Architect certificate addressing to committee regarding detail building wise construction done (Configuration, FSI, NoN-FSI, TBUA) on site prior to EIA notification 2006, as per EC received from local planning authority.
- 2) PP to provide the electric charging points (1 point for 5 cars) in parking area.
- 3) PP to ensure ECBC norms are complied.
- 4) PP to explore the possibility to provide the fire tender movement on podium or to provide proper fire fighting equipment like fire hydrants etc on podium.
- 5) PP to submit the architect certificate for construction done on site.
- 6) PP to submit the revise RG calculations
- 7) PP to ensure that, BoD should be less than 10
- 8) As proposed, PP to ensure that STP should be on ground open to sky.

FINAL RECOMMENDATION

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

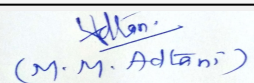
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