

To,
S.R.O. Kalyan I,
Maharashtra Pollution Control Board,
Sidhivinayak Sankul,
3rd and 4th Floor, Station Road,
Kalyan (West), Kalyan-421301.
Tel no: 0251-2310167
E-mail: srokalyan1@mpcb.gov.in

Subject : Submission of Dec 2022 Six Monthly Compliance Report for Amendment of Residential Project- Meghna Montana at plot bearing S No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D at village- Chikhlohi by M/s. Tharwani Constructions Pvt Ltd.

Reference : Environmental Clearance received Identification no. SEIAA-EC-0000002295 dated 15th Jan 2020 as per General condition no. XLI and LIII.

Respected Sir,

With reference to above mentioned subject and as per the condition stated in Environmental Clearance Letter, we would like to submit the Dec 2022 Six Monthly **Compliance Report and Monitoring Report** after receipt of Environmental Clearance for above mentioned site.

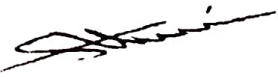
Hereby we are enclosing Data-Sheet along with annexure in format along with above mentioned Enclosures.

Please find this Dec 2022 Six monthly Compliance report after receiving Environmental Clearance along with this letter.

Thanking you,

Yours Sincerely,

For M/s. Tharwani Constructions Pvt Ltd


Authorized Signatory



Date: December 24, 2022

To,
Shri Kanwarjit Singh, IFS
Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariat Building Civil Lines, Nagpur 440001
Tel.No.0712-2531318
Email ID:apccfcentral-ngp-mef@gov.in

Subject : Submission of Dec 2022 Six Monthly Compliance Report for Amendment of Residential Project- Meghna Montana at plot bearing S No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D at village- Chikhloli by M/s. Tharwani Constructions Pvt Ltd.

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Yours Sincerely,

For M/s. Tharwani Constructions Pvt Ltd



Authorized Signatory



To,
Sh Prasoon Gargava (Scientist 'E' & Regional Director)
CENTRAL POLLUTION CONTROL BOARD,
Parivesh Bhawan, Opp. VMC Ward Office No. 10,
Subhanpura, Vadodara-390 023
Tel 0265-2392603
E-mail: prasoon.cpcb@nic.in

Subject : Submission of Dec 2022 Six Monthly Compliance Report for Amendment of Residential Project- Meghna Montana at plot bearing S No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D at village- Chikhloli by M/s. Tharwani Constructions Pvt Ltd.

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Thanking you,

Yours Sincerely,

For M/s. Tharwani Constructions Pvt Ltd


Authorized Signatory



Date: December 24, 2022

To,
State Level Environment Impact Assessment Authority Maharashtra,
Environment Department,
New Administration Building,
15th floor, Mantralaya, Mumbai
State: Maharashtra

Subject : Submission of Dec 2022 Six Monthly Compliance Report for Amendment of Residential Project- Meghna Montana at plot bearing S No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D at village- Chikhloli by M/s. Tharwani Constructions Pvt Ltd.

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Thanking you,

Yours Sincerely,

For M/s. Tharwani Constructions Pvt Ltd


Authorized Signatory



SIX MONTHLY COMPLIANCE REPORT

(Dec 2022)

of
For Amendment of Residential project
“Meghna Montana”
At
Plot bearing Sr.no. 135/3A, 138/2, 134/1A, 1B, 1C,
1D, 134/2, 138/1D
at
Village –Chikhaloli, Ambernath Tal. Ambernath,
Dist.-Thane Project.

Submitted By

M/s. Tharwani Construction Pvt. Ltd.

Prepared By


Manu srushti

...Towards Primitive Nature

NABET Accreditation No.: NABET/EIA/2023/IA0068

**Point wise compliance status to various stipulations laid down by the Government
of India as per the Environmental Clearance issued vide Letter No. SEIAA-EC-000002295
dated 15th January 2020**

| Sr. No. | EC condition | Reply |
|----------------------------|--|---|
| SPECIFIC CONDITIONS | | |
| 1. | PP to upload the contour map | Agreed and Complied with the same. |
| 2. | The planning authority to ensure that no occupation certificate is given to the project till surplus discharge from STP of the project is connected to duly develop and commissioned sewage disposal system of the planning authority respectively. | Agreed and noted. |
| 3. | PP to get NOC from competent authority with reference to Thane creek flamingo sanctuary if the project site falls within 10km radius from the said sanctuary boundary. The planning authority to ensure fulfilment of this condition before granting CC. | Agreed and noted. |
| 4. | 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. | Agreed and Complied with the same. |
| 5. | PP to ensure that CER plan gets approved from Municipal Commissioner/District Collector. | Agreed and noted. |
| 6. | PP shall comply with standard EC conditions mentioned in the Office Memorandum issued by MoEF&CC vide F.No.22-34/2018-IA.III dt.04.01.2019 | Agreed and noted. |
| 7. | SEIAA decided to grant EC for –FSI: 81,962.54 m2, Non-FSI: 41,940.88 m2 and Total BUA: 123903.42 m2 (Plan Approval no-AMC/NRV/BP/19-20/849/8972/61, Date-26.09.2019) | Agreed and noted. |
| General Conditions | | |
| i. | E-waste shall be disposed through Authorized vendor as per E-waste (Management and handling) Rules, 2016 | Agreed and complied. The E- Waste will be handed over to AMC authorized Vendor. |
| ii. | The Occupancy certificate shall be issued by the Local/Planning authority to the project only after ensuring sustained availability of drinking water, connectively of sewer line to the project site and proper disposal of treated water as per environment norms. | Agreed to comply with the same. |
| iii. | This environmental clearance is issued subject to obtaining NOC from Forestry & wild life angel including clearance from the standard committee of the National Board for Wild life as if application & this environment clearance does not necessarily implies that Forestry & wild life clearance granted to the project which will be considered separately on merit. | The Current project is under reference is not applicable for Forestry & wildlife NOC. |
| iv. | PP has to abide by the conditions stipulated by SEAC & SEIAA | Agreed to comply with the same. |
| v. | The height construction built up area of proposed construction shall be in accordance with the existing | Agreed to comply with the same. |

| Sr. No. | EC condition | Reply |
|---------|--|--|
| | FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout; plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area | |
| vi. | If applicable Consent for Establishment shall be obtained from Maharashtra Pollution Control Board under Air and water Act and a copy shall be submitted to the Environment Department before start of any construction work at the site. | Agreed to comply with the same. Received Consent to Establish vide Letter no.Format1.0/BO/JD/(WPC)/0000053300/C E/CC-1905000141 Dated: 03/05/2019 Refer Annexure No.3 for the Copy of Consent to Establish. |
| vii. | All required sanitary and hygienic measures should be in place starting construction activities and to be maintained throughout the construction phase. | Agreed to comply with the same. |
| viii. | Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of waste water and solid waste generated during this construction phase should be ensured | Agreed to comply with the same. |
| ix. | The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material. | Segregation of Dry and wet garbage will be done at the source. <ul style="list-style-type: none"> • Dry garbage will be given to recyclers. • Wet garbage/biodegradable matter as leftover food, vegetable including STP sludge will be Composted by Mechanical composting. Refer Annexure no.:11 for the Details of solid waste management. |
| x. | Disposal of muck, construction spoils, including bituminous material during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority. | Agreed to comply with the same. |
| xi. | Arrangement shall be made that waste water and storm water do not get mixed. | We will be providing separate sewer lines and Storm water drains. Refer Annexure no.: 19 for Strom water Drainage and sewer line layout plan. |
| xii. | All the top soil excavated during construction activities should be stored for use in horticulture / Landscape development within the project site. | Yes. Topsoil will be utilized for landscape development within the project site. |
| xiii. | Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved. | Yes. The earth debris will be utilize for leveling and for road construction within site. |

| Sr. No. | EC condition | Reply |
|---------|---|--|
| xiv. | Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept. | Proper Landscaping done within the site. Total 626 Nos. of Trees proposed to plant along with plot boundary & RG area. Refer Annexure no. : 16 For Landscape Details. |
| xv. | Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants. | Yes, Agreed to comply with. Refer Dec 2022 Monitoring reports, attached as Annexure no. :15 |
| xvi. | Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water | Agreed to comply with the same. |
| xvii. | Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board. | Agreed to comply with the same. |
| xviii. | The diesel generator sets to be used during construction phase should be low Sulphur Diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards. | Agreed to comply with the same. |
| xix. | The diesel required for operation DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken. | Noted. 2 DG Set of 380 KVA & 1 DG set of 125 KVA will be provided for emergency backup of Lift, STP, water and fire Pumps. Refer the Annexure No. : 19 for details for electric Supply. |
| xx. | Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-Peak hours. | Noted. PUC of vehicles was checked at site before allowing the vehicles inside the premises |
| xxi. | Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the Stipulated standards by CPCB/ MPCB. | Agreed to comply with the same. Refer Dec 2022 Monitoring report attached as Annexure No. :15 |
| xxii. | Fly ash should be used as building material in the construction as per the provisions of fly ash Notification of September 1999 and amended as on 27 th August, 2003. (The above condition is applicable only if the project site is located within the 100km of Thermal Power Plant Stations). | Agreed to comply with the same. |
| xxiii. | Ready mixed concrete must be used in building construction. | We are proposing mixing plant at site. Dust mitigation measures will be followed at site. |
| xxiv. | Strom water control and its reuse as per CCWB and BIS standard for various applications. | Agreed to comply with the same. |
| xxv. | Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred. | Agreed to comply with the same. |

| Sr. No. | EC condition | Reply | | | | | | |
|----------------------------|--|--|----------------------------|-----------|-----------------------|-----|------------------------|-----|
| xxvi. | The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority. | Agreed to comply with the same. | | | | | | |
| xxvii. | The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP. | <p>Agreed to comply with. STP with capacity of 975 KLD capacity will be provided, Recycled Water will be used for Flushing and Gardening. Refer Annexure No. 13 for Details of STP Proposed at site.</p> <p>STP technology- MBBR For Dry season</p> <table border="1" data-bbox="954 595 1485 707"> <tr> <td>Total Treated water</td> <td>852 (KLD)</td> </tr> <tr> <td>Recycled water</td> <td>394</td> </tr> <tr> <td>Excess to drain</td> <td>457</td> </tr> </table> <p>Refer Annexure no.: 10 for water balance details.</p> | Total Treated water | 852 (KLD) | Recycled water | 394 | Excess to drain | 457 |
| Total Treated water | 852 (KLD) | | | | | | | |
| Recycled water | 394 | | | | | | | |
| Excess to drain | 457 | | | | | | | |
| xxviii. | Permission to draw groundwater for construction of the basement if any shall be obtained from the competent Authority prior to construction/operation of the project. | Agreed to comply with the same. | | | | | | |
| xxix. | Separation of grey and black water should be done by the use of dual plumbing line for separation of gray and black water. | Agreed and Complied. | | | | | | |
| xxx. | Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control. | Agreed. Low Pressure Water fixtures are proposed. | | | | | | |
| xxxi. | Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning, If necessary, use high quality double glass with special reflective coating in windows. | Agreed to comply with the same. Our design Architect has considered this at planning stage only. | | | | | | |
| xxxii. | Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement. | Roof insulation is done by use of china mosaic flooring on terrace. | | | | | | |
| xxxiii. | Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy. | Agreed to comply with the same. Kindly refer the Annexure no. :19 for Energy saving details | | | | | | |
| xxxiv. | Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets, Use low | Agreed. We have proposed 2 DG set of capacity 380 kVA & 1 DG set of 125 KVA Capacity, as alternate power supply. DG sets norms will follow as prescribed by MPCB. Refer Annexure No.: 19 for Energy details. | | | | | | |

| Sr. No. | EC condition | Reply |
|----------|--|---|
| | sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board. | |
| xxxv. | Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations. | Noise monitoring will be done on regular basis. The noisy activity will be separated and will be barricaded. Even PPE are given to Laworking in noisy area. |
| xxxvi. | Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized. | Yes. Adequate parking is given to the project to avoid parking outside the premises and traffic congestion due to road blockage. All Traffic impact assessment report findings have taken into consideration. Refer Annexure No.:14 for parking Details. |
| xxxvii. | Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement | Agreed to comply with the same. |
| xxxviii. | The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation. | Agreed to comply with the same. Refer Annexure no. : 5 for Layout plan of the project. |
| xxxix. | Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings. | Yes, Agreed to comply with same. |
| xl. | Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance. | Noted. |
| xli. | Six monthly monitoring reports should be submitted to the Department and MPCB. | Agreed to comply with the same. Refer Dec 2022 Monitoring report attached as Annexure No. 15. |
| xlii. | Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained. | Yes, Agreed to comply with same. |
| xlili. | Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this. | Agreed and Complied with the same. Refer Annexure no.:11 for same. |

| Sr. No. | EC condition | Reply |
|---------|--|--|
| xliv. | Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB. | Agreed & Noted. |
| xlv. | A complete set of all the documents submitted to Department should be forwarded to the Local Authority and MPCB | Yes, Agreed to comply with same. |
| xlvi. | In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this department. | Noted. |
| xlvii. | A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards. | Agreed to comply with the same. |
| xlviii. | Separate funds shall be allocated for implementation of environmental protection measure/EMP along with item- wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department. | Refer Annexure No.: 18 The Budgetary allocation for Environmental management plan. |
| xlix. | The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in | Yes, Agreed to Comply with. |
| i. | Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year. | Yes, Agreed to comply with. This is our Six monthly compliance report of Dec 2022 . |
| li. | A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent. | Agreed to comply with the same. |
| lii. | The proponent shall upload the status of compliance of the stipulated EC conditions. Including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters. Indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain. | Noted. Agreed to comply with the same. |

| Sr. No. | EC condition | Reply |
|---------|---|---|
| liii. | The project proponent shall also submit six monthly reports on the status of compliance of the stipulated BC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. | Agreed to comply with the same. Refer Dec 2022 Monitoring report attached as Annexure No. 15 . |
| liv. | The environmental statement for each financial year ending 31 March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986. as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MOEF by e-mail, | Agreed to comply with the same. |
| 4. | The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act. | Agreed and Noted. |
| 5. | In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department Will revoke or suspended the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986. | Agreed and Noted. |
| 6. | The Environment Department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason. | Agreed and Noted. |
| 7. | Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amendments by MoEF&CC Notification dated 29 th April, 2015. | Agreed and Noted. |
| 8. | In case of any deviation or alteration the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) Imposed and to incorporate additional environmental protection measures require any | Agreed and Noted. |
| 9. | The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and | Agreed and Noted. |

| Sr. No. | EC condition | Reply |
|---------|--|-------------------|
| | rules there under Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments. | |
| 10. | Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1 st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 | Agreed and Noted. |

ANNEXURE LIST

| Annexure No. | Details |
|---------------------|--|
| 1. | Current Status |
| 2. | Environment Clearance Letter |
| 3. | Consent to Establish |
| 4. | Consent to operate |
| 5. | Approved Layout |
| 6. | Occupancy certificate |
| 7. | Commencement Certificate |
| 8. | Fire NOC |
| 9. | SWD NOC |
| 10. | Water balance details |
| 11. | Solid waste Management details |
| 12. | Sanitary and Hygiene Measures |
| 13. | Details of Sewage Treated Plant |
| 14. | Parking Details |
| 15. | Monitoring Report |
| 16. | Details of the Landscape layout & List of trees. |
| 17. | Corporate Social Responsibility |
| 18. | Budgetary allocation and expenditure for EMP |
| 19. | Energy details |
| 20. | Strom water drainage & Rainwater harvesting |
| 21. | Data sheet for Annexure A, B, and C |

ANNEXURE NO. 1 : CURRENT STATUS

| Sr. No | Buildings | Floors | Current Status |
|--------|-----------------------|--------|--|
| 1. | Type A1 | St+23 | Not started |
| 2. | Wing A ,B | St+ 7 | OC obtained |
| 3. | Wing D,E,F, G, H,I, J | St+ 7 | OC obtained |
| 4. | Wing C | St+18 | Internal Work under progress |
| 5. | Wing C1 | St+12 | Internal Work under progress |
| 6. | Wing L | St+23 | All slabs Completed, Brick work upto 17 th Floor Completed. |
| 7. | Wing M | St+23 | All slabs Completed, Internal Work under progress |
| 8. | Wing N | St+23 | All slabs Completed |
| 9. | Wing O, P | St+23 | Not started |
| 10. | Wing Q | St+23 | Not started |
| 11. | Wing R | St+6 | Not started |
| 12. | Wing S , T | St+23 | Not started |
| 13. | Club House | G+1 | Terrace Slab Under Process |
| 14. | Wing K | St+23 | Not started |

SITE PHOTOGRAPHS



A &B WING



C1 Wing



D TO J WING



L WING



M WING



C1 & C WING

ANNEXURE NO.2 : ENVIRONMENTAL CLEARANCE

Government of Maharashtra

SEAC-2013/ CR-358 /TC-1
Environment department
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai- 400 032.
Dated: 21st February, 2015.

To,
M/s. Tharwani Constructions Pvt. Ltd.
310-313 Persipolis Premises Co. op. Soc Ltd.,
Plot No. 74, Sector 17, Vashi,
Navi Mumbai

Subject: Environment Clearance for proposed residential development on survey and Hissa No. 135/3A,138/2,134/2,134/1 opposite to Shiv Mandir, Barvi Dam road, Chikhloli, village Badlapur (w), Mumbai by M/s Tharwani Construction P L

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its 22nd meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 70th & 80th meetings.

2. It is noted that the proposal is considered by SEAC-II under screening category 8(a) B2 as per EIA Notification 2006.

Brief Information of the project submitted by you is as-

| | |
|--|---|
| Name of the Project | Meghna Mountania - Residential Project at Survey and Hissa No135/3A,138/2, 134/2, 134/1,Opp Shiv Mandir, Barvi Dam Road, Chikhloli Village, Ambernath - West. |
| Project Proponent | M/s. Tharwani Constructions Pvt. Ltd. |
| Consultant | M/s. Enviro Analysts & Engineers Pvt. Ltd. |
| Type of Project: | Housing Project |
| Location of the project | Survey and Hissa No135/3A,138/2, 134/2, 134/1,Opp Shiv Mandir, Barvi Dam Road, Chikhloli Village, Badlapur - West. |
| Whether in Corporation/municipal/ other area | Ambernath Muncipal Council (AMC) |
| Applicability of the DCR | AMC DCR |
| Note on the initiated work: (if applicable) | No work has been commenced |
| LOI/NOC from MHADA/ other | Not applicable |

| | | |
|---|--|--------------------------|
| approvals (If Applicable) | | |
| Total plot area (sq.m.) Deductions Net Plot Area | Total plot area: 39560.00 Sq. m Deductions: Nil Net plot area: 39560.00 Sq. m | |
| Permissible FSI (including TDR etc.) | 0.85 + 0.8 TDR | |
| Proposed Built Up Area(FSI & Non FSI) | FSI Area: 65230.30 Sq. m Non FSI Area: 38822.92 Sq. m Total BUA : 104053.22 Sq. m | |
| Ground Coverage Area (percentage of plot not open to sky) | Ground coverage area (Sq. m) | Ground coverage area (%) |
| | 10803.62 | 27 |
| Estimated Cost of the project | Rs. 250 Crores | |
| Number of Buildings & configuration(s) | 40 (G/ST + 7) | |
| Number of tenants and shops | No. of flats: 1336 | |
| Number of expected residents/users | 6680 | |
| Tenement density per hectare | 338/ hectare | |
| Height of Building(s) | 22.80 m | |
| Right of way (Width of the road from the nearest fire station to the proposed building(s)) | 18 m wide road | |
| Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation | 7.5 m | |
| Existing Structure(s) | Nil | |
| Details of the demolition with disposal (If applicable) | Not applicable | |
| Total Water Requirement | Water requirement for entire project Dry Season: <ul style="list-style-type: none"> • Fresh water (KLD): 606 & Source: KBMC • Recycled water (KLD): 352 • Total Water Requirement (KLD): 958 • Swimming pool make up (cum): NA • Fire fighting (cum):100 Wet Season <ul style="list-style-type: none"> • Fresh water (KLD): 606 & Source: KBMC (190 KLD) & Rain | |

| | <ul style="list-style-type: none"> water harvesting (416 KLD) Recycled water (KLD): 301 Total Water Requirement (KLD): 907 Swimming pool make up (cum): NA Fire fighting (cum): 100 | | | | | | | | | | | | | | | |
|-----------------------------|---|--|--|------------|---------------------|-----------|--|----------------|---------|-----------------------------------|-----------|-----------|-----------------------------------|----------------|---------|--|
| Rain Water Harvesting (RWH) | <ul style="list-style-type: none"> Level of the ground water table Size and no of RWH tank(s) and quantity: 624 cum Location of the RWH tanks(s): Ground level (UG) Size, no. of recharge pits and quantity: Nil Budgetary allocation (capital cost and O&M cost) Capital cost: Rs. 81 Lakhs O & M cost: Rs. 4 Lakh | | | | | | | | | | | | | | | |
| UGT tanks | <ul style="list-style-type: none"> Location(s) of the UGT tank(s)- Ground level (UG) | | | | | | | | | | | | | | | |
| Strom water drainage | <ul style="list-style-type: none"> Natural water drainage pattern: East - West Quantity of storm water: 0.45 cum/sec Size of SWD: Breadth: 0.65 m, Depth: 0.50 m | | | | | | | | | | | | | | | |
| Sewage & Waste Water | <ul style="list-style-type: none"> Sewage generation: 841 KLD STP Technology: MBBR Capacity of STP: 845 KL Location of the STP: Ground level Area : 570 Sq. m DG Set (during emergency): Budgetary allocation: Capital Cost: Rs. 213 Lakhs O&M Cost: Rs 53 Lakhs | | | | | | | | | | | | | | | |
| Solid Waste Management | Waste generation in the Pre Construction and Construction phase <ul style="list-style-type: none"> Waste generation Quantity of the top soil to be preserved: Top soil (3000 cum) will be used for landscaping Excavated material of 13050 Brass will be totally used on site backfilling & leveling. Disposal of the construction waste debris | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Waste</th> <th>Quantity</th> <th>Management</th> </tr> </thead> <tbody> <tr> <td>Scrap metal (Steel)</td> <td>70 Tonnes</td> <td>Entire scrap material generated will be sold</td> </tr> <tr> <td>Concrete waste</td> <td>700 cum</td> <td>Will be used for bedding purpose.</td> </tr> <tr> <td>Aggregate</td> <td>60 Tonnes</td> <td>Will be used for bedding purpose.</td> </tr> <tr> <td>Tiles/ marbles</td> <td>85 Sqmt</td> <td>Will be used as china mosaic and skirting.</td> </tr> </tbody> </table> | Waste | Quantity | Management | Scrap metal (Steel) | 70 Tonnes | Entire scrap material generated will be sold | Concrete waste | 700 cum | Will be used for bedding purpose. | Aggregate | 60 Tonnes | Will be used for bedding purpose. | Tiles/ marbles | 85 Sqmt | Will be used as china mosaic and skirting. |
| | Waste | Quantity | Management | | | | | | | | | | | | | |
| | Scrap metal (Steel) | 70 Tonnes | Entire scrap material generated will be sold | | | | | | | | | | | | | |
| | Concrete waste | 700 cum | Will be used for bedding purpose. | | | | | | | | | | | | | |
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| Tiles/ marbles | 85 Sqmt | Will be used as china mosaic and skirting. | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

| | Paint cans | 3000 Paint cans | Will be sold | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|--|------------------|--------------|---------|----------------|-------------|--------|---|----------------------------|-----------|----|---|-------------------------------|------------------|----|---|-------------------------|----------------|----|---|------------------------------|-----------|----|---|----------------------|---------------|----|
| | <p>Waste generation in the operation phase:</p> <ul style="list-style-type: none"> • Dry waste : 1336 Kg/day • Wet waste: 2004 Kg/day • E-waste (Kg/month): NA • Hazardous waste (Kg/month): NA • Biomedical waste (Kg/month) (if applicable): NA • STP sludge (Dry sludge): 168 Kg <p>Mode of Disposal of Waste:</p> <ul style="list-style-type: none"> • Dry waste: To be handed over to recyclers. • Wet Waste: To be processed in the Organic Waste Converter. Manure generated will be used for landscaping. • E-Waste: NA • Hazardous Waste: NA • Biomedical Waste: NA • STP Sludge (Dry Sludge): To be processed in organic waste converter along with biodegradable waste <p>Area Requirement: Location(s) and total area provided for the storage and treatment of the solid waste: Location: Ground level Area: 100 Sq. m</p> <p>Budgetary allocation (capital cost and O&M cost) Capital Cost: Rs. 13 Lakhs O & M Cost: Rs.6 Lakhs</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Green Belt Development | <p>Total R.G. Area:</p> <ol style="list-style-type: none"> 1. RG area other than green belt (please specify for playground, etc.) 2. RG area under green belt: <ul style="list-style-type: none"> • RG on Ground: 5932.50 Sq. m (15 %) • RG on Podium: Nil 3. Plantation: <ul style="list-style-type: none"> • Number and list of trees species to be planted in the ground RG: 395 No's <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Botanical Name</th> <th>Common Name</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>1</td> <td><i>Azadirachata indica</i></td> <td>Neem Tree</td> <td>50</td> </tr> <tr> <td>2</td> <td><i>Millingtonia hortensis</i></td> <td>Indian Cork tree</td> <td>50</td> </tr> <tr> <td>3</td> <td><i>Cordia sebestena</i></td> <td>Scarlet cordia</td> <td>50</td> </tr> <tr> <td>4</td> <td><i>Polyalthia longifolia</i></td> <td>Mast tree</td> <td>50</td> </tr> <tr> <td>5</td> <td><i>Caryota mitis</i></td> <td>Fishtail palm</td> <td>50</td> </tr> </tbody> </table> | | | Sr. No. | Botanical Name | Common Name | Number | 1 | <i>Azadirachata indica</i> | Neem Tree | 50 | 2 | <i>Millingtonia hortensis</i> | Indian Cork tree | 50 | 3 | <i>Cordia sebestena</i> | Scarlet cordia | 50 | 4 | <i>Polyalthia longifolia</i> | Mast tree | 50 | 5 | <i>Caryota mitis</i> | Fishtail palm | 50 |
| Sr. No. | Botanical Name | Common Name | Number | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | <i>Azadirachata indica</i> | Neem Tree | 50 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | <i>Millingtonia hortensis</i> | Indian Cork tree | 50 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | <i>Cordia sebestena</i> | Scarlet cordia | 50 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | <i>Polyalthia longifolia</i> | Mast tree | 50 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | <i>Caryota mitis</i> | Fishtail palm | 50 | | | | | | | | | | | | | | | | | | | | | | | | |

| | 6 | <i>Roystonea regia</i> | Royal Palm | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--------------------------------|---------------|-------------|---------------|---------|----------------|----------|----------------|---------|---|--|--|--|--|--|-------|-------|----------------------|---------------|-------------|---------------|--|---------------|--|--|--|--|---|----------------|---|-----|-----|-----|---|--------------|----|----|-----|-----|---|---------|----|-----|-----|-----|---|--------------|-----|-----|-------|-----|---|-----------------|------|------|-------|-----|
| | 7 | <i>Michelia champaca</i> | Sonchapha | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | <i>Nyctanthes arbortristis</i> | Parijatak | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | | | 395 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <ul style="list-style-type: none"> Number and list of shrubs and bushes species to be planted in the podium RG: Nil Number and list of trees species to be planted around the border of nallah/stream/pond(if any): NA Number, size, age and species of trees to be cut, trees to be transplanted: Nil NOC for the tree cutting/transplantation/ compensatory plantation, if any: NA Budgetary allocation (Capital cost and O&M cost) For Landscaping : Capital Cost: Rs.15 Lakhs O & M Cost: Rs.1 Lakhs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Energy | Power Supply: <ul style="list-style-type: none"> Energy consumption: <table border="1"> <thead> <tr> <th>Particulars</th> <th>Details</th> </tr> </thead> <tbody> <tr> <td>Connected Load</td> <td>12258 KW</td> </tr> <tr> <td>Maximum Demand</td> <td>7701 KW</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Source: MSEDCL <p>Energy saving by Non-conventional method: Road/Landscape - 60% Solar Lighting Parking - T5 lights Lobby & staircase LED lights - 60% Solar Lifts - with VFD & Regenerative Type Solar Hot Water system</p> <ul style="list-style-type: none"> Details calculations & % of saving: 5 % <table border="1"> <thead> <tr> <th colspan="6">Energy Savings Summary for Building 1 To 40</th> </tr> <tr> <th>Sr.No</th> <th>Items</th> <th>Total Elect. Demand□</th> <th>Elect. demand</th> <th>Units Saved</th> <th>Energy saving</th> </tr> </thead> <tbody> <tr> <td></td> <td>Energy Saving</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Road/Landscape</td> <td>2</td> <td>0.8</td> <td>1.2</td> <td>60%</td> </tr> <tr> <td>2</td> <td>Parking □ T5</td> <td>20</td> <td>15</td> <td>5.0</td> <td>25%</td> </tr> <tr> <td>3</td> <td>Lobby &</td> <td>16</td> <td>6.4</td> <td>9.5</td> <td>60%</td> </tr> <tr> <td>4</td> <td>Lifts □ with</td> <td>700</td> <td>490</td> <td>210.0</td> <td>30%</td> </tr> <tr> <td>5</td> <td>Solar Hot Water</td> <td>5344</td> <td>4542</td> <td>801.6</td> <td>15%</td> </tr> </tbody> </table> | | | | Particulars | Details | Connected Load | 12258 KW | Maximum Demand | 7701 KW | Energy Savings Summary for Building 1 To 40 | | | | | | Sr.No | Items | Total Elect. Demand□ | Elect. demand | Units Saved | Energy saving | | Energy Saving | | | | | 1 | Road/Landscape | 2 | 0.8 | 1.2 | 60% | 2 | Parking □ T5 | 20 | 15 | 5.0 | 25% | 3 | Lobby & | 16 | 6.4 | 9.5 | 60% | 4 | Lifts □ with | 700 | 490 | 210.0 | 30% | 5 | Solar Hot Water | 5344 | 4542 | 801.6 | 15% |
| Particulars | Details | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Connected Load | 12258 KW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Maximum Demand | 7701 KW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Energy Savings Summary for Building 1 To 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sr.No | Items | Total Elect. Demand□ | Elect. demand | Units Saved | Energy saving | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Energy Saving | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Road/Landscape | 2 | 0.8 | 1.2 | 60% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Parking □ T5 | 20 | 15 | 5.0 | 25% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Lobby & | 16 | 6.4 | 9.5 | 60% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Lifts □ with | 700 | 490 | 210.0 | 30% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Solar Hot Water | 5344 | 4542 | 801.6 | 15% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | Conventional | | | | |
|---|---|---------------------|--------------------------------|----------------------------------|--|
| 6 | Plumbing | 133 | 133 | | |
| 7 | OWC | 3 | 3 | | |
| 8 | STP | 15 | 15 | | |
| 9 | FF Plant Room | 4 | 4 | | |
| 10 | Substation | 4 | 4 | | |
| 11 | Flats | 13360 | 13360 | | |
| | Total | 19,600 | 18,573 | 1,027 | |
| Overall Saving for the Project | | | | 5% | |
| Total Units saved based on Unit Consumption □ | | | | 1027 | |
| Total Units saved based on working hours □ | | | | 2,421 | |
| Total Units saved annually □ (kwh/Yr) | | | | 883,843 | |
| Annual Savings in Rs with Electrical cost | | | | 4,419,215 | |
| <ul style="list-style-type: none"> • Compliance of the ECBC guidelines: (Yes/No) (If yes then submit compliance in tabular form) -- Yes • Budgetary allocation (capital cost and O&M cost) – For Solar Energy system : Capital Cost: Rs. 22 Lakhs O & M Cost: Rs 2 Lakhs | | | | | |
| DG Set: | | | | | |
| <ul style="list-style-type: none"> • Number and capacity of the DG sets to be used: DG Sets: 2 X 250 KVA • Type of fuel used: HSD | | | | | |
| Environmental Management plan Budgetary Allocation | I. Construction phase(with Break – up) – | | | | |
| | <ul style="list-style-type: none"> • Capital cost • O & M cost (please ensure manpower and other details) | | | | |
| | II. Operation Phase (with Break-up)- | | | | |
| | ❖ Capital cost | | | | |
| | ❖ O & M cost (please ensure manpower and other details) | | | | |
| | Sr. No. | Particulars | Setting-up Cost (Rs. in Lakhs) | Annual O & M Cost (Rs. in Lakhs) | |
| | 1. | RWH | 81 | 4 | |
| | 2. | MSW | 13 | 6 | |
| | 3. | STP | 213 | 53 | |
| | 4. | Solar energy system | 22 | 2 | |
| | 5. | Landscaping | 15 | 1 | |

| | | | | |
|--------------------|--|------------|-----|----|
| | | Total Cost | 344 | 66 |
| | <ul style="list-style-type: none"> ❖ Quantum and generation of Corpus fund and commitment ❖ Responsibility for further O & M ➤ After occupancy, Co-Op societies will be formed. The societies will form a federation. ➤ The Operation and Maintenance of Environmental management facilities (EMF) shall be taken care by the developers for first three years. ➤ Afterwards, EMF shall be handed over to society/ federation. ➤ Funds for recurring cost on EMP shall be generated from the tenants of the society by specifically mentioning in the sale agreement | | | |
| Traffic Management | <p>Nos. of the junction to the main road & design of confluence: 18m wide DP Road</p> <p>Parking Details:</p> <ul style="list-style-type: none"> • Total parking area: 6899.382 Sq. m. • Area per Car: 28 Sq. m • 4-wheelers: Required: 238 No's, Provided: 238 No's <p>Width of all internal roads (m): 6 m & 9 m wide roads</p> | | | |

3. The proposal has been considered by SEIAA in its 70th & 80th meetings & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

General Conditions for Pre- construction phase:-

- (i) This environmental clearance is issued subject to utilization of excess treated water.
- (ii) This environmental clearance is issued subject to (a) STP capacity to be increased appropriately considering waste water generation. (b) Rain water harvesting calculations shall be based on geotechnical report and the geotechnical report shall be followed in letter and spirit. (c) A corpus to be built for STP maintenance which shall be separately kept in a separate Bank account to be used solely for maintenance of STP. An agreement shall also be executed with the society for ensuring smooth operation of STP when the maintenance work is handed over to the Cooperative Housing Society
- (iii) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it

does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.

- (iv) Occupation certificate shall be issued to the project only after ensuring availability of drinking water and connectivity of the sewer line to the project site.
- (v) STP capacity shall be increased appropriately considering waste water generation.
- (vi) This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
- (vii) PP has to abide by the conditions stipulated by SEAC & SEIAA.
- (viii) The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
- (ix) "Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.
- (x) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

General Conditions for Construction Phase-

- (i) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.
- (ii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- (iii) The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- (iv) Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (v) Arrangement shall be made that waste water and storm water do not get mixed.
- (vi) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.
- (vii) Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- (viii) Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- (ix) Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.

- (x) Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.
- (xi) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.
- (xii) The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
- (xiii) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.
- (xiv) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- (xv) Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.
- (xvi) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).
- (xvii) Ready mixed concrete must be used in building construction.
- (xviii) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
- (xix) Storm water control and its re-use as per CGWB and BIS standards for various applications.
- (xx) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xxi) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.
- (xxii) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.
- (xxiii) Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.
- (xxiv) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.
- (xxv) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.

- (xxvi) Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
- (xxvii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- (xxviii) Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non conventional energy source as source of energy.
- (xxix) Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.
- (xxx) Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.
- (xxxii) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
- (xxxiii) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- (xxxiv) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- (xxxv) Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
- (xxxvi) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.
- (xxxvii) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

General Conditions for Post- construction/operation phase-

- (i) Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed

and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.

- (ii) Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.
- (iii) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.
- (iv) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
- (v) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.
- (vi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (vii) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
- (viii) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://ec.maharashtra.gov.in>.
- (ix) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
- (x) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xi) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

- (xiii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
 5. In case of submission of false document and non compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.
 6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
 7. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years.
 8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
 9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
 10. Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

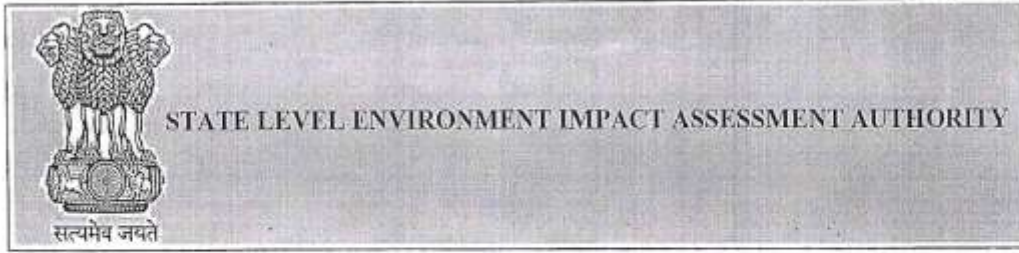

(Ajay Mehta)
Principal Secretary,
Environment department &
MS, SEIAA

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.

2. Shri. Ravi Bhushan Budhiraja, Chairman, SEAC-II, 5-South, Dilwara Apartment, Cooperage, M.K.Road, Mumbai 400021.
3. Additional Secretary, MOEF, 'MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
6. Regional Office, MPCB, Thane.
7. Collector, Thane.
8. CEO, Kulgaon-Badlapur Municipal Council, Badlapur.
9. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
10. Select file (TC-3)

(EC uploaded on 2/3/2015)



Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date: January 15, 2020

To,
M/s. Tharwani Constructions Pvt Ltd
at Plot bearing S No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D at village - Chikhaloli

Subject: Environment Clearance for Amendment of Residential project - Meghna Montana at Plot bearing S No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D at village - Chikhaloli by M/s. Tharwani Constructions Pvt Ltd.

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its 123rd meeting and recommend the project for prior environmental clearance to SEDAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 184th meetings.

2. It is noted that the proposal is considered by SEAC-II under screening category 8 (a), B2 as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

| | |
|--|--|
| 1.Name of Project | Amendment of Residential project - Meghna Montana |
| 2.Type of institution | Private |
| 3.Name of Project Proponent | M/s. Tharwani Constructions Pvt Ltd |
| 4.Name of Consultant | M/s. Enviro Analysts & Engineers Pvt Ltd |
| 5.Type of project | Residential Project |
| 6.New project/expansion in existing project/modernization/diversification in existing project | Expansion |
| 7.If expansion/diversification, whether environmental clearance has been obtained for existing project | EC received letter no. SEAC-2013/CR-358/TC-1 dtd 21.02.2015 |
| 8.Location of the project | Plot bearing S No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D at village - Chikhaloli |
| 9.Taluka | Ambernath |
| 10.Village | Chikhaloli |
| Correspondence Name: | M/s. Tharwani Constructions Pvt Ltd |
| Room Number: | 310-313 |
| Floor: | 3rd floor |
| Building Name: | Persipolis Promises Co-op Soc Ltd |
| Road/Street Name: | Plot No. 74, Sector - 17 |
| Locality: | Vashi |
| City: | Navi Mumbai |
| 11.Whether in Corporation / Municipal / other area | Ambernath Municipal Council (AMC) |
| 12.IOD/IOA/Concession/Plan Approval Number | CC received IOD/IOA/Concession/Plan Approval Number: AMC/NRV/HP/19-20/849/8972/61 dtd 26.09.2019 Approved Built-up Area: 81962 |
| 13.Note on the initiated work (If applicable) | As per previous EC received dtd 21.02.2013 Building Type A, B, D, E, F, G, H, I, J are constructed. |
| 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable) | IOD dated 26/09/2019 |
| 15.Total Plot Area (sq. m.) | 42580.00 |
| 16.Deductions | 7067 |

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Shri. Anil Diggikar (Member Secretary SEIAA)


| | |
|---|---|
| 17.Net Plot area | 35271.90 |
| 18 (a).Proposed Built-up Area (FSI & Non-FSI) | FSI area (sq. m.): 81,962.54 |
| | Non FSI area (sq. m.): 41,940.88 |
| | Total BUA area (sq. m.): 123903.42 |
| 18 (b).Approved Built up area as per DCR | Approved FSI area (sq. m.): 81,962.54 |
| | Approved Non FSI area (sq. m.): 41,940.88 |
| | Date of Approval: 26-09-2019 |
| 19.Total ground coverage (m2) | 6625.47 sq.mt |
| 20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky) | 18.78 % |
| 21.Estimated cost of the project | 2500000000 |



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Shri. Anil Diggikar (Member Secretary SEIAA)

| 22.Production Details | | | | |
|-----------------------------------|--|----------------------------|-----------------|----------------|
| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |
| 23.Total Water Requirement | | | | |
| Dry season: | Source of water | AMC/ STP Treated water | | |
| | Fresh water (CMD): | 675 | | |
| | Recycled water - Flushing (CMD): | 338 | | |
| | Recycled water - Gardening (CMD): | 56 | | |
| | Swimming pool make up (Cum): | - | | |
| | Total Water Requirement (CMD): | 1069 | | |
| | Fire fighting - Underground water tank(CMD): | 1050 | | |
| | Fire fighting - Overhead water tank(CMD): | 30 | | |
| | Excess treated water: | 457 | | |
| Wet season: | Source of water | AMC/ STP Treated water/RWH | | |
| | Fresh water (CMD): | 675 | | |
| | Recycled water - Flushing (CMD): | 338 | | |
| | Recycled water - Gardening (CMD): | 0 | | |
| | Swimming pool make up (Cum): | - | | |
| | Total Water Requirement (CMD): | 1013 | | |
| | Fire fighting - Underground water tank(CMD): | 1050 | | |
| | Fire fighting - Overhead water tank(CMD): | 30 | | |
| | Excess treated water: | 513 | | |
| Details of Swimming pool (If any) | one swimming pool | | | |

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| 22.Production Details | | | | |
|--|--|------------------------|----------------------------|----------------|
| Serial Number | Product | Existing (MT/M) | Proposed (MT/M) | Total (MT/M) |
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |
| 23.Total Water Requirement | | | | |
| Dry season: | Source of water | AMC/ STP Treated water | | |
| | Fresh water (CMD): | 675 | | |
| | Recycled water - Flushing (CMD): | 338 | | |
| | Recycled water - Gardening (CMD): | 56 | | |
| | Swimming pool make up (Cum): | | | |
| | Total Water Requirement (CMD) : | 1069 | | |
| | Fire fighting - Underground water tank(CMD): | 1050 | | |
| | Fire fighting - Overhead water tank(CMD): | 30 | | |
| | Excess treated water | 457 | | |
| | Wet season: | Source of water | AMC/ STP Treated water/RWH | |
| Fresh water (CMD): | | 675 | | |
| Recycled water - Flushing (CMD): | | 338 | | |
| Recycled water - Gardening (CMD): | | 0 | | |
| Swimming pool make up (Cum): | | | | |
| Total Water Requirement (CMD) : | | 1013 | | |
| Fire fighting - Underground water tank(CMD): | | 1050 | | |
| Fire fighting - Overhead water tank(CMD): | | 30 | | |
| Excess treated water | | 513 | | |
| Details of Swimming pool (if any) | one swimming pool | | | |

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| 24.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 |
| 25.Rain Water Harvesting (RWH) | Level of the Ground water table: | | 3.5 m to 3.7 m bgl | | | | | | |
| | Size and no of RWH tank(s) and Quantity: | | 10 nos. of tanks with total capacity of 400 cum (2days capacity) | | | | | | |
| | Location of the RWH tank(s): | | Below ground level | | | | | | |
| | Quantity of recharge pits: | | Nil | | | | | | |
| | Size of recharge pits: | | Nil | | | | | | |
| | Budgetary allocation (Capital cost): | | Rs. 84 Lakhs | | | | | | |
| | Budgetary allocation (O & M cost): | | Rs. 4.2 Lakhs/yr | | | | | | |
| | Details of UGT tanks if any: | | Domestic water tank 681 cum Flushing water tank 404 cum Fire water Tank 1050 cum | | | | | | |
| 26.Storm water drainage | Natural water drainage pattern: | | north to south | | | | | | |
| | Quantity of storm water: | | 0.54 cum/sec | | | | | | |
| | Size of SWD: | | 600 mm X 600 mm | | | | | | |
| 27.Sewage and Waste water | Sewage generation in KLD: | | 948 KLD | | | | | | |
| | STP technology: | | MBBR | | | | | | |
| | Capacity of STP (CMD): | | 2 nos. of STP with total capacity of 975 KLD | | | | | | |
| | Location & area of the STP: | | Below ground level | | | | | | |
| | Budgetary allocation (Capital cost): | | Rs. 143 Lakhs | | | | | | |
| | Budgetary allocation (O & M cost): | | Rs. 36 Lakhs/yr | | | | | | |

28.Solid waste Management


| | | |
|---|--|--|
| Waste generation in the Pre Construction and Construction phase: | Waste generation: | Recyclable waste will be generated like empty cement bags & cans, scrap metal etc. Debris & construction waste shall be generated. |
| | 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. |
| Waste generation in the operation Phase: | Dry waste: | 1518 kg/day |
| | Wet waste: | 2259 kg/day |
| | Hazardous waste: | NA |
| | Biomedical waste (If applicable): | NA |
| | STP Sludge (Dry sludge): | 47 kg/day |
| | Others if any: | NA |
| Mode of Disposal of waste: | Dry waste: | Will be handed over to Local Recyclers. |
| | Wet waste: | Will be processed in the OWC, manure obtained shall be used for landscaping / Gardening. Excess manure shall be sold to nearby end users |
| | Hazardous waste: | Not Applicable |
| | Biomedical waste (If applicable): | Not Applicable |
| | STP Sludge (Dry sludge): | To be used as manure & replacement of saw dust for OWC |
| Area requirement: | Location(s): | Located at Ground Level |
| | Area for the storage of waste & other material: | 153 sq.m |
| | Area for machinery: | 17 sq.m |
| Budgetary allocation (Capital cost and O&M cost): | Capital Cost: | Rs. 16 Lakhs |
| | O & M cost: | Rs. 4.06 Lakhs/yr |

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| 29.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 | | | |



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| 30.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 |
| 31.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 | Not applicable |
| 32.Details of Fuel to be used | | | | | | | |
| Serial Number | Type of Fuel | Existing | Proposed | Total | | | |
| 1 | Not applicable | Not applicable | Not applicable | Not applicable | | | |
| Source of Fuel | | Not applicable | | | | | |
| Mode of Transportation of fuel to site | | Not applicable | | | | | |
| 33.Energy | | | | | | | |
| Power requirement: | Source of power supply : | MSEDCL | | | | | |
| | During Construction Phase: (Demand Load) | 100 kW | | | | | |
| | DG set as Power back-up during construction phase | 75 KVA | | | | | |
| | During Operation phase (Connected load): | 8755 kW | | | | | |
| | During Operation phase (Demand load): | 9263 kW | | | | | |
| | Transformer: | | | | | | |
| | DG set as Power back-up during operation phase: | 2 X 380 KVA & 1 X 125 KVA | | | | | |
| | Fuel used: | HSD | | | | | |
| Details of high tension line passing through the plot if any: | NA | | | | | | |
| 34.Energy saving by non-conventional method: | | | | | | | |
| Hotwater provision made using Solar Hotwater system LED lights used for Staircase & Lobby LED Lights put on Solar PV Panels LED lights used for Ext. Road Lighting | | | | | | | |
| 36.Detail calculations & % of saving: | | | | | | | |
| Serial Number | Energy Conservation Measures | | | | Saving % | | |
| 1 | total energy savings | | | | 13% | | |
| 37.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.46 Lakh | | | | | |
| | O & M cost: | Rs.5.00 Lakh | | | | | |
| SEIAA Meeting No: 184 Meeting Date: December 30, 2019 (SEIAA-STATEMENT-0000001344) SEIAA-MINUTES-0000002873 SEIAA-EC-0000002295 | | | | Page 7 of 12 | |  Shri. Anil Diggikar (Member Secretary SEIAA) | |

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---------------|------------------------|--|------------------------------------|
| 1 | Air Environment | Water Sprinkling, Green Belt Development, Covered storage area | 4 |
| 2 | Noise Environment | Noise Baricades and Green Belt Developments | 3 |
| 3 | Water Environment | Modular STP, Drainage with sedimentation tanks | 3 |
| 4 | Good Health Practices | Site Sanitation & Health Care | 3 |
| 5 | Environment Monitoring | Environment Monitoring | 3 |

b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---------------|------------------------|-------------|--------------------------|---|
| 1 | Water Environment | RWH | 84 | 4.2 |
| 2 | Water Environment | STP | 143 | 36 |
| 3 | Solid waste management | OWC | 16 | 4.02 |
| 4 | Energy Savings | Solar | 46 | 5 |
| 5 | Land environment | Landscaping | 15 | 2 |

39.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 |

40.Any Other Information

No Information Available

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| | |
|---|------------|
| CRZ/ RRZ clearance obtain, if any: | NA |
| Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ Inter-State boundaries | NA |
| Category as per schedule of EIA Notification sheet | 8 (a), B2 |
| Court cases pending if any | NA |
| Other Relevant Informations | NA |
| Have you previously submitted Application online on MOEF Website. | Yes |
| Date of online submission | 01-08-2018 |

3. The proposal has been considered by SEIAA in its 184th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

| | |
|-----|--|
| I | PP to upload the contour map. |
| II | The planning authority to ensure that no occupation Certificate is given to the Project till surplus discharge from STP of the Project is connected to duly developed and commissioned sewage disposal system of the planning authority respectively. |
| III | 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. |
| IV | 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. |
| V | PP to ensure that CER plan gets approved from Municipal Commissioner/District Collector. |
| VI | PP Shall comply with Standard EC conditions mentioned in the Office Memorandum issued by MoEF& CC vide F.No.22-34/2018-JA.II dt.04.01.2019. |
| VII | SEIAA decided to grant EC for -FSI: 81,962.54 m ² , Non-FSI:41,940.88 m ² and Total BUA: 123903.42 m ² (Plan Approval no-AMC/NRV/BP/19-20/849/8972/611-Date-26.09.2019) |

General Conditions:

| | |
|------|---|
| I | E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016. |
| II | The Occupancy Certificate shall be issued by the Local Planning Authority to the project only after ensuring sustained availability of drinking water, connectivity of sewer line to the project site and proper disposal of treated water as per environmental norms. |
| III | This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit. |
| IV | PP has to abide by the conditions stipulated by SEAC& SEIAA. |
| V | The height, Construction built up-area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area. |
| VI | If applicable Consent for Establishment* shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site. |
| VII | All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase. |
| VIII | Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured. |
| IX | The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material. |

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SEIAA-MINUTES-0000002873
SEIAA-EC-0000002295

| | |
|--------|--|
| X | Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority. |
| XI | Arrangement shall be made that waste water and storm water do not get mixed. |
| XII | All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site. |
| XIII | Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved. |
| XIV | Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept. |
| XV | Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants. |
| XVI | Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water. |
| XVII | Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board. |
| XVIII | The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards. |
| XIX | The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken. |
| XX | Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours. |
| XXI | Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB. |
| XXII | Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations). |
| XXIII | Ready mixed concrete must be used in building construction. |
| XXIV | Storm water control and its re-use as per CGWB and BIS standards for various applications. |
| XXV | Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred. |
| XXVI | The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority. |
| XXVII | The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP. |
| XXVIII | Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project. |
| XXIX | Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water. |
| XXX | Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control. |
| XXXI | Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows. |
| XXXII | Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement. |
| XXXIII | Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy. |
| XXXIV | Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board. |
| XXXV | Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations. |
| XXXVI | Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized. |

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Shri. Anil Diggikar (Member Secretary SEIAA)

| | |
|---------|---|
| XXXVII | Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspiration for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement. |
| XXXVIII | The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation. |
| XXXIX | Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings. |
| XL | Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance. |
| XLI | Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB. |
| XLII | Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained. |
| XLIII | Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this. |
| XLIV | Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB. |
| XLV | A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB. |
| XLVI | In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department. |
| XLVII | A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards. |
| XLVIII | Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department. |
| XLIX | The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in . |
| L | Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year. |
| LI | A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent. |
| LII | The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain. |
| LIII | The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. |
| LIV | The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail. |

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.
6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.
8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE, CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MUNICIPAL COMMISSIONER THANE
10. REGIONAL OFFICE MPCB THANE
11. REGIONAL OFFICE MIDC AMBERNATH
12. REGIONAL OFFICE MIDC THANE
13. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
14. COLLECTOR OFFICE THANE


**Government of
Maharashtra**

SEIAA Meeting No: 184 Meeting Date: December 30, 2019 (SEIAA-STATEMENT-0000001344)
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SEIAA-EC-0000002295

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Shri. Anil Diggikar (Member
Secretary SEIAA)

ANNEXURE NO.3: CONSENT TO ESTABLISH

| MAHARASHTRA POLLUTION CONTROL BOARD | | | | |
|--|---|---|---|---|
| Phone : | 4010437/4020781 /4037124/4035273 |  | Kalpataru Point, 3rd & 4th floor, Sion- Matunga Scheme Road No. 8, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai - 400022 | |
| Fax : | 24044532/4024068 /4023516 | | | |
| Email : | rohq@mpcb.gov.in | | | |
| Visit At : | http://mpcb.gov.in | | | |
| Infrastructure /Orange/LSI | | | | |
| Consent order No: Format1.0/BO/JD(WPC) /UAN-0000053300/CE/CC- | | | 190500014/ | Date- 7/04/2019 03/05/2019 |
| To, M/s. Tharwani Constructions Pvt. Ltd. Plot bearing S No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D(P), 134/2, village – Chikhaloli, Tal: Ambernath, , Dist – Thane | | | | |
| Subject: Consent to Establish Expansion for Building/Construction Project. Orange Category. | | | | |
| Ref : Minutes of Consent Committee meeting held on 14/12/2018. | | | | |
| Your application MPCB-CONSENT-0000031125 Dated: 29/07/2018. | | | | |
| For: Consent to Establish Expansion for Building/Construction project | | | | |
| under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous and Other Wastes (M & TM) Rules, 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order: | | | | |
| 1. The consent is granted for a period up to commissioning of the project or of 5 years whichever is earlier. | | | | |
| 2. The proposed capital investment of the project is Rs. 225.51 Crs. (As per C.A certificate submitted by project proponent) | | | | |
| The Consent to Establish Expansion is valid for construction of Residential building Project named as M/s. Tharwani Constructions Pvt. Ltd. Plot bearing S No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D(P), 134/2, village – Chikhaloli, Tal: Ambernath, , Dist – Thane For <u>Total plot area of 42580.00 Sq. Mtrs</u> and <u>Total Construction BUA 104042.05 Sq. Mtrs</u> (including utilities and services as per construction commencement certificate issued by local body. | | | | |
| 3. Conditions under Water (P&CP), 1974 Act for discharge of effluent: | | | | |
| Sr. No. | Description | Permitted quantity of discharge (CMD) | Standards to be achieved | Disposal |
| 1. | Trade effluent | NIL | NA | NA |
| 2. | Domestic effluent | 954 | As per Schedule -I | 60% should be reused & recycled and remaining should be discharged in municipal sewer |
| 4. Conditions under Air (P & CP) Act, 1981 for air emissions: | | | | |
| Sr. No. | Description of stack/ source | Capacity | Number Of Stack | Standards to be achieved |
| 1 | DG Set | 380KVA x 2 | 2 | As Per Schedule -II |
| 2 | DG Set | 125 KVA | 1 | As Per Schedule -II |
| M/s. Tharwani Constructions Pvt. Ltd. UAN -0000053300 | | | | |

5. Conditions under Solid Waste Management Rules, 2016:

| Sr. no. | Type Of Waste | Quantity & UoM | Treatment | Disposal |
|---------|---------------|----------------|-----------|---|
| 1 | Wet garbage | 455 Kg/Day | OWC | Used as Manure |
| 2 | Dry garbage | 304 Kg/Day | -- | Segregate and Hand over to Local Body for recycling |
| 3 | STP sludge | 48 | --- | Used as Manure |

6. Conditions under Hazardous and Other Wastes (M & TM) Rules, 2016 for treatment and disposal of hazardous waste; NIL.
7. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same should be binding on the industry.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
9. Project Proponent shall comply the Construction and Demolition Waste Management Rules, 2016 which is notified by Ministry of Environment, Forest and Climate Change dtd.29/03/2016.
10. Project Proponent shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of conditions of EC/CRZ clearance and C to E.
11. Project Proponent shall install online monitoring systems for BOD, TSS and flow at the outlet of STP.
12. Project Proponent shall comply with conditions stipulated in EC and C to E and submit BG of Rs. 10 Lakhs towards compliance of the same & compliance of consent conditions.
13. Project Proponent shall comply with the conditions stipulated in Environment Clearance granted by GOM, vide no: SEAC-2013/CR-358/TC-1 Date : 21/02/2015
14. The treated domestic effluent shall be 60% recycled for secondary purpose such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening & connected to the sewerage system provided by local body.

For and on behalf of the
Maharashtra Pollution Control Board

(E. Ravendran, IAS)
Member Secretary

Received Consent fee of -

| Sr. No. | Amount (Rs.) | Transaction . No. | Date | Drawn On |
|---------|--------------|-------------------|------------|----------------------|
| 1 | 451020.00 | 7612794 (NEFT) | 27/07/2018 | Punjab National Bank |

Copy to:

1. Regional Officer, MPCB, Kalyan and Sub-Regional Officer, MPCB, Kalyan-II. --
They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updating purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, you have proposed to install of Sewage Treatment Plants (STP) with the design capacity of 975 CMD
- B] The Applicant shall operate the effluent treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

| Sr No. | Parameters | Standards prescribed by Board |
|--------|--------------------|---|
| | | Limiting Concentration in mg/l, except for PH |
| 01 | BOD (3 days 27°C) | 10 |
| 02 | Suspended Solids | 50 |
| 03 | COD | 100 |

C) The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting, on land for gardening etc and remaining shall be discharged in to the municipal sewerage system.

D] Project proponent shall operate STP for five years from the date of obtaining occupation certificate.

The Board reserves its rights to review plans, Specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant should obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto

- 2) The industry should ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 3) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act.

| Sr. no. | Purpose for water consumed | Water consumption quantity (CMD) |
|---------|----------------------------|----------------------------------|
| 1. | Domestic purpose | 1022 |

- 4) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have proposed to install the Air pollution control (APC) system and also proposed to erect following stack (s) and to observe the following fuel pattern-

| Sr. No. | Stack Attached To | APC System | Height in Mtrs. | Type Of Fuel | Quantity | UOM | S % | SO ₂ |
|---------|----------------------|--------------------|-----------------|--------------|----------|-------|-----|-----------------|
| 1. | DG Set (380 X 2 KVA) | Acoustic enclosure | 5.0 | HSD | 190.0 | Kg/Hr | - | - |
| 2 | DG Set (125KVA) | Acoustic enclosure | 5.0 | HSD | 31.25 | Kg/Hr | - | - |

* Above roof of the building in which it is installed.

2. The applicant should operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards.

| | | |
|--------------------|---------------|--------------------------|
| Particulate matter | Not to exceed | 150 mg/Nm ³ . |
|--------------------|---------------|--------------------------|

3. The Applicant should obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement alteration well before its life come to an end or erection of new pollution control equipment.

The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

Schedule-III
Details of Bank Guarantees

| Sr. No. | Consent (C to E/O/R) | Amt of BG Imposed | Submission Period | Purpose of BG | Compliance Period | Validity Date |
|---------|--------------------------------|-------------------|-------------------|--------------------------------------|------------------------------------|---------------|
| 1 | Consent to Establish Expansion | Rs. 10 lakh | 15 Days | Towards Compliance of EC conditions. | Up to Commissioning of the project | Five years |

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Maharashtra Pollution Control Board

Schedule-IV

General Conditions:

The following general conditions shall apply as per the type of the industry.

- 1) The applicant shall comply with the conditions stipulated in Environment Clearance granted by GOM, vide no: SEAC-2013/CR-358/TC-1 Date : 21/02/2015
- 2) The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 3) The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and environmental protection Act 1986 and Solid Waste Management Rules, 2016 and E-Waste (Management) Rules, 2016.
- 4) Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 5) Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 6) Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
 - d) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - e) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - f) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - g) D.G. Set shall be operated only in case of power failure.
 - h) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - i) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 7) Solid Waste – The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rules, 2016 & E-Waste (M) Rules, 2016.
- 8) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 9) The treated sewage shall be disinfected using suitable disinfection method.
- 10) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11) The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.

ANNEXURE NO. 04 CONSENT TO OPERATE



Maharashtra Pollution Control Board
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MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24044532/4024068/4023516
Website: <http://mpcb.gov.in>
Email: jdwater@mpcb.gov.in

Kalpataru Point, 2nd and
4th floor, Opp. Cine Planet
Cinema, Near Sion Circle,
Sion (E), Mumbai-400022

Infrastructure/RED/L.S.I
No: Format1.0/CC/UAN No.0000118300/CO 2202000177 Date: 02/12/2022

To,
M/s. THARWANI CONSTRUCTIONS PVT
LTDC & CI of "Meghna Montana"
Proposed residential project located at
Plot bearing S No. 135/3A, 138 (P),
138/1D, 138/2, 134/1A, 1B, 1C, 1D, 134/2,
village - Chikhaloli, Taluka Ambernath,
Dist. - Thane.

Sub: 2nd Consent to Operate (Part-II) with Amalgamation with 1st Consent to Operate (part-I) for Construction of Residential Project Granted Under Red Category

Ref: 1. Consent to Establish for Expansion granted vide No. Format1.0/BO/d(WPC)/UAN-0000053300/CE/CC-1905000141 dtd. 03.05.2019
2. Auto Renewal of 1st Consent to Operate (Part-I) granted vide no. Format1.0/CC/UANNo.0000117511/CR-2110000397 dtd. 07.10.2021.
3. Environment Clearance granted vide no. SEIAA EC-0000002295 dtd 15.01.2020.
4. Minutes of 15th Consent Committee meeting held on 30.12.2021.

Your application NO. MPCB-CONSENT-0000118300

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I,II,III & IV annexed to this order:

1. The 2nd Consent to Operate (Part-II) with Amalgamation with 1st Consent to Operate (part-I) is granted for period valid up to: 31/08/2025
2. The capital investment of the project is Rs. (Rs. 23.90 Crs for Part-II + Rs. 46.1 Crs for Part-I) = 70 Cr. (As per C.A Certificate submitted by industry).

M/s. Tharwani Constructions Pvt Ltd,COAH No. MPCB-CONSENT-0000118300 (17-05-2022 11:49:25 AM) JMS_P04_P0299

Page 3 of 1

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Maharashtra Pollution Control Board
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3. The 2nd Consent to Operate (Part-II) with Amalgamation with 1st Consent to Operate (part-I) is valid for Construction of Residential Project named as M/s. Tharwani Constructions Pvt Ltd, Same as Above, C & C1 of "Meghna Montana" Proposed residential project located at Plot bearing S No. 135/3A, 138 (P), 138/1D, 138/2, 134/1A, 1B, 1C, 1D, 134/2, village - Chikhaloli, Taluka Ambernath, Dist. - Thane. on Total Plot Area of 42580.00 SqMtrs for Completed construction BUA of (11,950.15 Sq mtrs + 18,816.49 sq.mtrs)= 30,766.64 sq.mtrs out of Total Construction BUA of 123903.42 SqMtrs as per EC granted dated 15.01.2020 including utilities and services

| Sr.No | Permission Obtained | Plot Area (SqMtr) | BUA (SqMtr) |
|-------|--|-------------------|-------------|
| 1 | Consent to Establish dtd. 03.05.2019 | 42580.00 | 104042.05 |
| 2 | Auto Renewal of 1st Consent to operate (Part) dt: 07/10/2021 | 42580.00 | 18816.49 |

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

| Sr No | Description | Permitted (in CMD) | Standards to | Disposal |
|-------|-------------------|--------------------|--------------------|--|
| 1. | Trade effluent | Nil | NA | NA |
| 2. | Domestic effluent | 235 | As per Schedule -I | The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body |

5. Conditions under Air (P & CP) Act, 1981 for air emissions:

| Stack No. | Description of stack / source | Number of Stack | Standards to be achieved |
|-----------|-------------------------------|-----------------|--------------------------|
| S-1 | DG (320 KVA) | 1 | As per Schedule -II |

6. Conditions under Solid Waste Rules, 2016:

| Sr No | Type Of Waste | Quantity & UoM | Treatment | Disposal |
|-------|---------------|----------------|-----------------|-------------------------------------|
| 1 | STP SLUDGE | 33 Kg/Day | filter press | used as manure |
| 2 | DRY WASTE | 408 Kg/Day | Segregation | Will be hand over to local recycler |
| 3 | WET WASTE | 612 Kg/Day | Will be compost | used as manure |

7. Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:

| Sr No | Category No. | Quantity | UoM | Treatment | Disposal |
|-------|--------------|----------|-----|-----------|----------|
| | | | | NA | |

8. PP shall comply with the conditions stipulated in Environmental Clearance and consent conditions and submit BG of Rs. 10 Lakhs towards compliance of the same.
9. PP shall install online monitoring system to the O/L of STP for monitoring for parameters pH, Flow, BOD, TSS.

Kindly verify Maharashtra Pollution Control Board's document on Blockchain by scanning the QR code.



Maharashtra Pollution Control Board
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10. The treated domestic effluent shall be 60 % recycled for secondary purpose such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and connected to the sewerage system provided by local body.
11. Project Proponent shall operate and maintain Organic waste digester with composting facility or Biogas digester with composting facility.
12. Project Proponent shall make provision of charging port for Electric vehicles in at least 40% total available parking area.
13. Project Proponent shall submit an affidavit in Board's prescribed format within 15 days regarding the compliance of conditions of EC /CRZ clearance and C to O
14. Project Proponent shall comply with conditions stipulated in the Environment Clearance granted by SEIAA vide no. SEIAA EC-0000002295 dtd 15.01.2020.
15. This 2nd Consent to Operate (Part-II) with Amalgamation with 1st Consent to Operate (part-I) consent letter has been issued with overriding effect over earlier issued Auto Renewal of 1st Consent to Operate (Part-I) granted vide no. Format1.0/CC/UANNo.0000117511/CR-2110000397 dtd. 07.10.2021 which is valid up to: 31/08/2025

For and on behalf of the
Maharashtra Pollution Control Board.


(Ashok Shingare IAS),
Member Secretary

Received Consent fee of -

| Sr.No | Amount(Rs.) | Transaction/DR.No. | Date | Transaction Type |
|-------|-------------|--------------------|------------|------------------|
| 1 | 200000.00 | MPCB-DR-7388 | 10/08/2021 | RTGS |
| 2 | 300000.00 | MPCB-DR-7389 | 10/08/2021 | RTGS |

Copy to:

1. Regional Officer, MPCB, Kalyan and Sub-Regional Officer, MPCB, Kalyan II
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai

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SCHEDULE-I
Terms & conditions for compliance of Water Pollution Control:

1) A) As per your application, you have provided MBBR based Sewage Treatment Plants (STPs) of combined capacity 290 CMD for treatment of domestic effluent of 235 CMD.

B) The Applicant shall operate the sewage treatment plant (STP) to treat the sewage so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

| Sr.No | Parameters | Limiting concentration not to exceed in mg/l, except for pH |
|-------|----------------|---|
| 1 | pH | 5.5-9.0 |
| 2 | BOD | 10 |
| 3 | COD | 50 |
| 4 | TSS | 20 |
| 5 | NH4 N | 5 |
| 6 | N-total | 10 |
| 7 | Fecal Coliform | less than 100 |

C) The treated domestic effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and connected to the sewerage system provided by local body.

2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.

3) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

4) **The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act,1974 and as amended, and other provisions as contained in the said act.**

| Sr. No. | Purpose for water consumed | Water consumption quantity (CMD) |
|---------|--|----------------------------------|
| 1. | Industrial Cooling, spraying in mine pits or boiler feed | 0.00 |
| 2. | Domestic purpose | 304.00 |
| 3. | Processing whereby water gets polluted & pollutants are easily biodegradable | 0.00 |
| 4. | Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic | 0.00 |

5) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.

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Maharashtra Pollution Control Board
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SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

- 1) As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) and to observe the following fuel pattern-

| Stack No. | Stack Attached To | APC System | Height In Mtrs. | Type of Fuel | Quantity & UoM |
|-----------|-------------------|--------------------|-----------------|--------------|----------------|
| 1 | DG Set 320 KVA | Acoustic enclosure | 5 | HSD | 45 Ltr/Hr |

- 2) The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards.

| Total Particular matter | Not to exceed | 150 mg/Nm ³ |
|-------------------------|---------------|------------------------|
|-------------------------|---------------|------------------------|

- 3) The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- 4) The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
- 5) **Conditions for utilities like Kitchen, Eating Places, Canteens:-**

- a) The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
- b) The toilet shall be provided with exhaust system connected to chimney through ducting.
- c) The air conditioner shall be vibration proof and the noise shall not exceed 68 dB(A).
- d) The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such a way that no nuisance is caused to neighbors.

SCHEDULE-III

Details of Bank Guarantees:

| Sr. No. | Consent(C2E/C2O/C2R) | Amt of BG Imposed | Submission Period | Purpose of BG | Compliance Period | Validity Date |
|---------|-------------------------------|-------------------|-------------------|---|-------------------|---------------|
| 1 | 2nd Consent to Operate (part) | Rs. 10 Lakh | 15 days | Towards Compliance of EC & Consent conditions | 31/08/2025 | 31/12/2025 |

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.
Existing BG obtained for above purpose if any may be extended for period of validity as above.

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| BG Forfeiture History | | | | | | |
|-----------------------|-----------------------|----------------------|-------------------|-----------------------|-------------------------|-------------------------|
| Srno. | Consent (C2E/C2O/C2R) | Amount of BG Imposed | Submission Period | Purpose of BG | Amount of BG Forfeiture | Reason of BG Forfeiture |
| NA | | | | | | |
| BG Return details | | | | | | |
| Srno. | Consent (C2E/C2O/C2R) | BG Imposed | Purpose of BG | Amount of BG Returned | | |
| NA | | | | | | |

SCHEDULE-IV

General Conditions:

- The applicant shall provide facility for collection of samples of sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act 1986 and Solid Waste Management Rule 2016, Noise (Pollution and Control) Rules, 2000 and E-Waste (Management & Handling Rule 2011).
- Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- Conditions for D.G. Set
 - Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - D.G. Set shall be operated only in case of power failure.
 - The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.

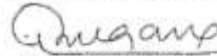
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Maharashtra Pollution Control Board
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- 6 Solid Waste – The applicant shall provide onsite municipal solid waste processing system & shall comply with Solid Waste Management Rule 2016 & E-Waste (M & H) Rule 2011.
- 7 Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 8 Applicant shall submit official e-mail address and any change will be duly informed to the MPCB.
- 9 The treated sewage shall be disinfected using suitable disinfection method.
- 10 The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11 The applicant shall make an application for renewal of the consent at least 60 days before date of the expiry of the consent.

For and on behalf of the
Maharashtra Pollution Control Board.


(Ashok Shingare IAS),
Member Secretary

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ANNEXURE NO: 05 APPROVED LAYOUT



**ANNEXURE NO: 06 OCCUPANCY CERTIFICATE FOR WING A, WING B, WING D, WING E, WING F,
WING G, WING H, WING I, WING J**



अंबरनाथ नगरपरिषद, अंबरनाथ

जा.क्र.अंनघ/नरवि/१८-१९/ ६३२
अंबरनाथ नगरपरिषद, अंबरनाथ
दिनांक : २३/०८/२०१८

भागशः बांधकाम पूर्णतेचा दाखला / भोगवटा प्रमाणपत्र

प्रति,

मे.धास्त्याणी कन्स्ट्रक्शन प्रा.लि. डायरेक्टर श्री.सुमिल एच.धारवाणी
द्वारा मे.विटान कन्स्ट्रक्शन तर्फे श्री.अनिल अर.निरगुडे, वास्तुशिल्पकार

मे.विटान कन्स्ट्रक्शन तर्फे श्री.अनिल अर.निरगुडे, वास्तुशिल्पकार/ अभियंता परवाना क्र. CA-81/6472 चाचे दिनांक २१/०६/२०१८ च्या अर्जावरून दाखला देण्यात येतो की, त्यांनी अंबरनाथ नगरपरिषद हद्दीत, मौजे चिखलतोली, सर्व्हे नं. १३५/३अ, १३८/१(पै.), १३८/२, १३४/१ अ,ब,क,ड(पै.), स.क्र.१३४/१ अंबरनाथ नगरपरिषद चाचे कडील बांधकाम परवानगी (१) जाचक क्रमांक अंनघ/नरवि/बांध/२०१४-२०१८/६५०/८७५०/३८ दिनांक २४/०४/२०१७ (२) सुधारीत परवानगी जा.क्र.अंनघ/नरवि/बांध/१६-१८/२२२४/८८०१/८५ दि.०८/१२/२०१७ अन्वये मंजूर केलेल्या नकले प्रमाणे राहणेसाठी बांधकाम पूर्ण केले आहे. सध्या त्यांना सोबतच्या नकाशांमध्ये हिरव्या रंगाने दुरुस्ती दाखविल्याप्रमाणे तसेच खालील अटीवर बांधकामाची चापर परवानगी देण्यात येत आहे. (बांधकाम पूर्ण झाल्याची तारीख २८/०६/२०१८)

| मजले | WING - A | | WING-B | | WING-D | | WING-E | | WING-F | |
|--------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | सदनिका | खोल्या | सदनिका | खोल्या | सदनिका | खोल्या | सदनिका | खोल्या | सदनिका | खोल्या |
| १ लढ मजला | ०६ | २२ | ०६ | २२ | ०५ | १२ | ०५ | १२ | ०५ | १२ |
| २ पहिला मजला | ०६ | २२ | ०६ | २२ | ०५ | १२ | ०५ | १२ | ०५ | १२ |
| ३ दुसरा मजला | ०६ | २२ | ०६ | २२ | ०५ | १२ | ०५ | १२ | ०५ | १२ |
| ४ तिसरा मजला | ०६ | २२ | ०६ | २२ | ०५ | १२ | ०५ | १२ | ०५ | १२ |
| ५ चौथा मजला | ०६ | २२ | ०६ | २२ | ०५ | १२ | ०५ | १२ | ०५ | १२ |
| ६ पाचवा मजला | ०६ | २२ | ०६ | २२ | ०५ | १२ | ०५ | १२ | ०५ | १२ |
| ७ सहावा मजला | ०६ | २२ | ०६ | २२ | ०५ | १२ | ०५ | १२ | ०५ | १२ |
| ८ सातवा मजला | ०६ | २२ | ०६ | २२ | ०५ | १२ | ०५ | १२ | ०५ | १२ |

- जेव्हा सज्जा (बालकनी) बंदित करण्यात आला असेल तर त्याचे समोरील व परीत १/३ क्षेत्रासाठी, लुबर्स, ग्लास, शटर्स अथवा ग्रीस लागणे अनिवार्य राहिल व पॅरपेट सोडून उर्वरित समोरील क्षेत्रासाठी ब्लॅज्ड शटर्स बंदित करणे आवश्यक राहिल.
- बोणव्याही परिस्थितीत ओटला बंद करता येणार नाही. तसेच तळमजल्यास व टॅरेस फ्लोअरला बालकनी बंदित करणे अनुज्ञेय असणार नाही.
- भोगवटा प्रमाणपत्र सोबत दिलेल्या नकाशातील बांधकामा व्यतिरिक्त इतर बांधकाम हे अनधिकृत समजाण्यात येऊन त्यावर महाराष्ट्र प्रादेशिक व नगर रचना अधिनियम १९६६ चे कलम ५२ ते ५६ नुसार कार्यवाही करण्यात येईल, याची नोंद घ्यावी.
- भविष्यात सामाजिक अंतर्गतता जागा नगरपरिषदेस रला कंदीकरणासाठी आवश्यक भासाव्यास हस्तांतरीत करावी लागेल. टॅरेस व पॉईंट टॅरेस बंदित करू नये.
- पायसाळी पाणी वाहून घावा जायू नये यासाठी रुफ टॉप हार्पेस्टिंग करणेत घावे व पाणी उभीनीमध्ये मुरवावे.


 सहाय्यक नगररचनाकार
 अंबरनाथ नगरपरिषद, अंबरनाथ




 सहाय्यकारी वृत्ता नियोजन प्राधिकारी
 अंबरनाथ नगरपरिषद, अंबरनाथ

प्रत : कर विभाग, अंबरनाथ नगरपरिषद



अंबरनाथ नगरपरिषद, अंबरनाथ

जा.क्र.अंनप/नरवि/१८-१९/ ६३२

अंबरनाथ नगरपरिषद, अंबरनाथ

दिनांक : २३/०८/२०१८

भागशः बांधकाम पूर्णतेचा दाखला / भोगवटा प्रमाणपत्र

प्रति,

मे.धारवाणी कन्स्ट्रक्शन प्रा.लि. डायरेक्टर श्री.सुनिल एच.धाखाजी

द्वारा मे.पिटान कन्स्ट्रक्शन सर्व्हे श्री.अनिल अर.निरगुडे, वास्तुशिल्पकार

मे.पिटान कन्स्ट्रक्शन सर्व्हे श्री.अनिल अर.निरगुडे, वास्तुशिल्पकार/ अभियंता परवाना क्र. CA-81/6472 यांचे दिनांक २९/०६/२०१८ च्या अजीवरन दाखला देण्यात येतो की, त्यांनी अंबरनाथ नगरपरिषद इदीत, मौजे चिखलोली, सर्व्हे नं. १३५/३अ, १३८/३(पै.), १३८/३, १३४/१ अ,ब,क,ड(पै.), स.क्र.१३४/२ अंबरनाथ नगरपरिषद यांचे कडील बांधकाम परवानगी (१) जास्व क्रमांक अंनप/नरवि/बांध/२०१४-२०१८/६५०/८७५०/३८ दिनांक २७/०७/२०१७ (२) सुधारीत परवानगी जा.क्र.अंनप/नरवि.बांध/१७-१८/२२२७/८८०/८५ दि.०८/१२/२०१७ अन्वये मंजूर केलेल्या नकाशे प्रमाणे राहणेसाठी बांधकाम पूर्ण केले आहे. सधच त्यांना सोबतच्या नकाशामध्ये हिरव्या रंगाने दुरुस्ती दाखविल्याप्रमाणे तसेच खालील अटीवर बांधकामाची वापर परवानगी देण्यात येत आहे. (बांधकाम पूर्ण झाल्याची तारीख २८/०६/२०१८)

| मजले | WING - G | | WING-H | | WING-I | | WING-J | | |
|------|------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------|
| १ | लक मजला | मिन्ट पाकिंग करीता | मिन्ट पाकिंग करीता | मिन्ट पाकिंग करीता | मिन्ट पाकिंग करीता | मिन्ट पाकिंग करीता | मिन्ट पाकिंग करीता | मिन्ट पाकिंग करीता | |
| | | सदनिष्ठ | खोल्या | सदनिष्ठ | खोल्या | सदनिष्ठ | खोल्या | सदनिष्ठ | खोल्या |
| २ | पहिला मजला | ०४ | १२ | ०४ | १२ | ०४ | १२ | ०४ | १३ |
| ३ | दुसरा मजला | ०४ | १३ | ०४ | १३ | ०४ | १३ | ०४ | १३ |
| ४ | तिसरा मजला | ०४ | १३ | ०४ | १३ | ०४ | १३ | ०४ | १३ |
| ५ | चौथा मजला | ०४ | १३ | ०४ | १३ | ०४ | १३ | ०४ | १३ |
| ६ | पाचवा मजला | ०४ | १३ | ०४ | १३ | ०४ | १३ | ०४ | १३ |
| ७ | सहावा मजला | ०४ | १३ | ०४ | १३ | ०४ | १३ | ०४ | १३ |
| ८ | सातवा मजला | ०४ | १३ | ०४ | १३ | ०४ | १३ | ०४ | १३ |

- जेव्हा सज्जा (घातकनी) बंदिसत करण्यात आला असेल तर त्याचे समोरील व वरील १/३ क्षेत्रासाठी, लुचर्स, प्लान, शटर्स अथवा हील्स लागणे अनिवार्य राहिल व पॅरपेट कोवून उर्वरित समोरील क्षेत्रासाठी ब्लॅकड शटर्स बंदिसत करणे आवश्यक राहिल.
- कोणत्याही परिस्थितीत ओटला बंद करला येणार नाही. तसेच तळमजल्यास व टेरस फ्लोअरला घालवानी बंदिसत करणे अनुज्ञेय असणार नाही.
- भोगवटा प्रमाणपत्र सोबत दर्शविलेल्या नकाशातील बांधकामा व्यतिरिक्त इतर बांधकाम हे अनधिकृत समजण्यात येवून त्यावर महाराष्ट्र प्रादेशिक व नगर रचना अधिनियम १९६६ चे कलम ५२ ते ५६ नुसार कार्यवाही करण्यात येईल, याची नोंद घ्यावी.
- प्रविष्ट्यात सामाविलेले अंतरातील जागा नगरपरिषदेस रक्ता क्वीकरणासाठी आवश्यक भासल्यास हस्तांतरित करावी लागेल. टेरस व पॉकट टेरस बंदिसत करू नये.
- वायुसाठी पाणी वाहून घ्यावा जावू नये यासाठी रुक टॉप इन्व्हेस्टिंग करणेत याचे व पाणी जमीनीमध्ये मुरवावे.

सहाय्यक नगररचनकार
अंबरनाथ नगरपरिषद, अंबरनाथ




मुख्याधिकारी निधा नियोजन प्राधिकारी
अंबरनाथ नगरपरिषद, अंबरनाथ


प्रत : कर विभाग, अंबरनाथ नगरपरिषद

११. बांधकाम चालू करण्यापूर्वी नगर भूनापन अधिकारी / भूमी अभिलेख खात्याकडून जागेची आख्यानी करून घेण्यात यावी आणि तसा दाखला नगरपरिषदेकडे सादर केल्यानंतर बांधकाम सुरु करावे.
१२. नकाशात दाखविलेल्या गाळ्यांच्या संख्येमध्ये व नियोजनामध्ये पूर्वपरवानगीशिवाय बदल करू नये.
१३. नवीन इमारतीस मंजूर नकारो प्रमाणे सेप्टिक टँक पाहिजे व संडास भविष्य काळात जपण्यात नालिनिसारण मलिनिसारण स्वच्छार्चने नगरपरिषद अभियंता यांचे परवानगीने जोडणे आवश्यक राईल. सेप्टिक टँक कमीत कमी ५० फूट अंतरावर असणे आवश्यक आहे.
१४. सांडपाण्याचे व पाणीट्याचे पाणी नगरपरिषदेच्या गटारीस स्वच्छार्चने नगरपरिषद अभियंता यांचे प्रसंगीप्रमाणे सोडावे लागेल सांडपाण्याच्या बांधणीत मलनिःसारण विभागाचे प्रमाणपत्र असल्याशिवाय वापर परवाना देण्यात येणार नाही.
१५. बांधकामाच्या शेळी निरुपयोगी माल (मटेरीयल) नगरपरिषद सांगित त्या ठिकाणी स्वच्छार्चने वाहून टाकला पाहिजे.
१६. बांधकामाच्या समोपतली सोडलेल्या खुल्या जागेत कमीत कमी १) अचोक २) गुलमोहर ३) निलगिरी ४) करंज इ.पैकी एकूण दहा झाडे लावून त्यांची जोपासना केली पाहिजे तसेच सध्या अस्तित्वात असलेली झाडे तोडण्यापूर्वी परवानगी घेणे बांधकामकारक आहे.
१७. नकाशात दाखविल्याप्रमाणे बांधकामाचा फक्त रहिवास वापरासाठी उपयोज करावा.
१८. नागरी अनीन कानाल मर्चादा अधिनियम १९७६ मधील तरतुदी प्रमाणे जाता बाधीत होत असल्यास त्याची सर्वस्वी जबाबदारी आपलेवर राईल.
१९. जागेतून किंवा जागे जवळून अतिदाध विद्युतवाहिनी जात असल्यास बांधकाम करण्यापूर्वी संबंधित खात्याकडून ना हरकत दाखला घेतला पाहिजे.
२०. जागा महामार्ग किंवा रेल्वे मार्गास समूख लागून किंवा जवळ असल्यास संबंधित खात्याकडून बांधकाम करण्यापूर्वी ना हरकत दाखला घेतला पाहिजे.
२१. बांधकामाकडे किंवा इमारतीकडे जाण्या वेण्याच्या मार्गाची जबाबदारी संपूर्णपणे आपलेकडे राईल बांधकाम परवानगी नियोजित स्ल्याप्रमाणे दिली असल्यास त्या रस्पाचे काम नगरपरिषदेच्या सोयीप्रमाणे व प्राधान्यतेप्रमाणे केले जाईल तथा रस्ता होई पायेतो इमारतीकडे जाण्या वेण्याच्या मार्गाची जबाबदारी संपूर्णपणे आपलेकडे राईल.
२२. जागेत जुने भाडेकरू असल्यास त्याच्या बाबत योग्य ती व्यवस्था करावयाची जबाबदारी मालकाची राईल व मालक भाडेकरू वामध्ये काही वाद असल्यास किंवा निर्माण झाल्यास त्याचे निवारण मालकाने करणे आवश्यक राईल व त्याबाबतीत नगरपरिषद जबाबदार राहणार नाही.
२३. सवर जागेतून पाण्याचा नैसर्गिक निचरा होत असल्यास तो इकडील परवानगी शिवाय बंदूक अथवा बंद करू नये.
२४. सवर प्रकरणी सुषीची अपूर्ण माहिती दिली असल्यास सवर बांधकाम परवानगी रद्द करणेत येईल.
२५. सवर जागेत किडीर असल्यास इकडील परवानगी शिवाय बुजवू नये.
२६. बांधकाम पूर्ण झाल्यावर पिण्याच्या पाण्याचे कनेक्शन मिळण्याकरिता नगरपरिषदेवर जबाबदारी राहणार नाही किंवा पिण्याच्या पाण्यासाठी नगरपरिषद हमी घेणार नाही.
२७. चापुर्ची अ.क्र.अनप/नरि/बाप/ १८-१८/१९९७/८८०१/८५ दि.०८/१२/२०१७ अन्वये सुधारीत बांधकाम परवानगी देण्यात आलेली आहे. तसेच पिंग अ, बी, डी, इ, एफ, जी, एच, आय, जे वा इमारतींना भागनाः सोगवटा प्रमाणपत्र जा.क्र.अनप/नरि/१८-१९/९३२ दि.२३/०८/२०१८ अन्वये देण्यात आलेले आहे.
२८. गटाराचे व पावसाच्या पाण्याचा निचरा होणेकरिता नगरपरिषदेच्या गटारास जोडणेसाठी पक्क्या स्वरूपाची गटारे बांधवित.
२९. बांधकामासाठी व पिण्याच्या पाण्यासाठी नळचे कनेक्शन मिळणार नाही. त्यासाठी बोअरवेलचे काम करावे लागेल.
३०. भूखंडासमोरिल रस्ता पक्क्या स्वरूपात गटारासह तयार वेळ्याखेरीस वापर परवाना मिळणार नाही.
३१. मंजूर नकारानुसार बांधकाम न करणे तसेच विकास निबंधक नियमावलीनुसार आवश्यक त्या परवानगा न घेता बांधकाम/ वापर करणे महाराष्ट्र प्रादेशिक व नगररचना अधिनियमाचे कलम ५२ अनुसार दखलपत्र मुक्ता आहे. त्यासाठी जातील जास्त ३ वर्षे फौद व रु.५०००/- खंड होऊ शकतो.
३२. इमारतीच्या मोकळ्या आचारात कचरा कुंडीची व्यवस्था करावी.
३३. मंजूर नकाशाबाबत जागेवर प्रारंभ प्रमाण पत्राचा प्रमांक / विनांक आणि इतर माहिती लिहून फलक लावावा.
३४. कुलमुळाधार पत्र धारक / भाडेकरू/गाळ्यास्का/ नुळ मालक यांच्यात काही वाद निर्माण झाल्यास त्याची सर्वस्वी जबाबदारी वास्तुनित्यकर्ता / विकासकर्ता यांचेवर राईल.
३५. विषयाधिन जागेवरील बांधकाम करताना आच एस १३१२०-१९९३ भूखंडीयक आर सी सी डीझाईननुसार घटकांचे नियोजन आहर्ताप्राप्त नोंदणीकृत स्ट्रक्चरल इंजिनियर यांचेकडून करून घेणे आवश्यक असून त्यांचे वेळरेखीखाली नियोजित इमारतीचे बांधकाम पूर्ण करणे अर्जादार / विकासकर्ता यांचेवर बांधकामकारक राईल.
३६. महाराष्ट्र प्रादेशिक नगररचना अधिनियम १९९९ चे कलम १५१ (३) नुसार मुंबई महानगर प्रदेश विकास प्राधिकरणाने प्रदान केलेल्या विकास निबंधक व जमिन वापर या बाबतचे अधिकारांस आधीन राहून ही परवानगी देण्यात येत आहे.
३७. जर भूखंडाचे क्षेत्रफळत व इदीमध्ये फलक आडळ्यास सुधारीत परवानगी घेणे बांधकामकारक राईल.

३८. जानेच्या मालकी हक्काबाबत / वहीवाटीबाबत बाब निर्माण झाल्यास त्याची सर्वस्वी जबाबदारी विकासकर्ता / कु.मु.प.पारक / जमिन मालक यांची राहिल.
३९. इमारतीसाठी बसविली जाणारी लिफ्ट हि ISI मार्क असलेली दर्जेदार व नामांकित कंपनीची असावी तसेच तीची वेळोवेळी सुरक्षीततेचे दृष्टीने तपासणी करण्यात यावी.
४०. नैसर्गिक पावसाळी पाण्याचा वापर करणेसाठी रुफटॉपर हार्व्हॅलिंग पध्दतीची यंत्रणा उभारण्यात यावी. तसेच रुफ टॉपचे पावसाळी पाणी जमिनीमध्ये जिरेल अशा पध्दतीने खड्डा घेवून पाडुप व्यवस्था करणेत यावी. जेणेकरून पावसाचे पाणी घाहून याया जाणार नाही व ते जमिनीमध्ये मुल.
४१. सदर इमारत बांधकामामुळे काही घुंक्ष बाधित होत असल्यास घुंक्ष अधिकारी यांचा विहीत पध्दतीने परवाना प्राप्त करून त्यांचे आदेशाप्रमाणेच घुंक्षतौडीनंतर इमारत बांधकाम हाती घेणेची कार्यवाही करावी.
४२. प्रत्येक मजला व प्रत्येक विंग मध्ये फ्लोर एक्स्टींग्विशर बसवावे.
४३. इमारतीच्या टॉयलेटमध्ये लो बॉल्यूम फ्लश सिस्टमचा वापर करण्यात यावा.
४४. अग्निशमन अधिका-यांचा ना हरकत दाखला घेणे आपणांवर बंधनकारक राहिल.
४५. संबंधित अग्निशमन विभागाकडून सदर प्रस्तावाबाबत अग्निप्राप घेणे आवश्यक राहिल, तसेच प्रस्तावामध्ये बदल सुचविल्यास नकाशा मध्ये अंतर्भूत करणे बंधनकारक राहिल. त्यानंतरच बांधकाम सुरु करण्यात यावे.
४६. सदनिका विक्रीताना महा.रेरा कायदानुसार फ्लॉप्ट क्षेत्रावर विक्री करण्यात यावी.
४७. वापर परवाना घेतल्याशिवाय तेथे रहिवास वापर केल्यास संपूर्ण इमारत अनधिकृत तरतूद प्रापर्टी टॅक्सवर दुप्पट दंड आकारण्यात येईल.
४८. शासन निर्णयानुसार इमारत व इतर बांधकाम कामगार कल्याणकारी उपकर अधिनियम १९९६ अंतर्गत इमारत बांधकामाच्या मुल्यावर उपकर १% नगरपरिषदेमार्फत शासनास ३० दिवसांच्या आत भरणे आपणांस बंधनकारक राहिल. अन्यथा दिलेली परवानगी रद्द समजण्यात येईल.
४९. आपण विकसित करीत असलेल्या प्रकल्पामध्ये शासनाच्या स्वच्छ भारत अभियान २०१८ अंतर्गत ओला आणि सुखा कचरा वर्गीकरण करण्याची कायम स्वरुपी व्यवस्था करावी. व रेझनकरामध्ये जागा निश्चित करून उच्छकपणे दर्शवावे. तसेच ओल्या कच-यावर प्रक्रीया करण्यासाठी शासन धोरणानुसार आवश्यक ती उपाययोजना करण्यात यावी.
५०. घनकचरा व्यवस्थापन ओला कच-याची विल्हेवाट आपल्या प्रकल्पाचे आवारात करणे बंधनकारक आहे.
५१. स्वच्छ सर्वेक्षण २०१८ अंतर्गत बांधकामाच्या ठिकाणी बांधकाम कामगारांसाठी शीचाल्याची सुविधा उपलब्ध करून देण्यात यावी व तसे नगरपरिषदेस शीचाल्याच्या फोटोसह कळविण्यात यावे.
५२. सदर प्रकल्पामध्ये यांत्रिक पार्किंगची तरतुद केलेली आहे. त्यांचे संकल्पचित्र दर्शविणारा नकाशा तांत्रिक सल्लागार यांचे कडून तयार करून, भोगवटा प्रमाणपत्र घेण्यापूर्वी सादर करणेत यावा.


 सहाय्यक नगररचनाकार,
 अंबरनाथ नगरपरिषद,
 अंबरनाथ.




 मुख्याधिकारी तथा नियोजन प्राधिकारी,
 अंबरनाथ नगरपरिषद,
 अंबरनाथ.

प्रत अर्पित :

मा.तहसिलदार, अंबरनाथ यांना महाराष्ट्र शासन राजपत्र, महसूल व घन विभाग दिनांक ५ जानेवारी, २०१७ नुसार कार्यवाही करिता.



Fire NOC

नगरपरिषद अंबरनाथ

ता. अंबरनाथ, जि. ठाणे पिनकोड ४२५५०५

दुरध्वनी क्र. ०२५५- २६८२३५३ अग्निशमन ०२५५- २६८२४००/५०५

जावक क्र. अनप/अग्नि/२०१८-१९/१०१

दिनांक : २८/०६/२०१८

प्रति,

श्री. भाविन रमेशचंद पटेल व इतर सात यांचे कु.मु.प.धा.

मे. धारवाणी सुपर स्ट्रक्चर प्रा. लि. तर्फे,

श्री. सुनिल हरदास धारवाणी, श्री. सचिन जनार्दन भोपी,

द्वारा- श्री. सुनिल आर. निरगुडे.

विषय:- अग्निशमन विभागाचा अंतिम ना-हरकत दाखला. (विंग A,B,D,E,F,G,H,I*)

- संदर्भ:- १) वास्तुशिल्पकार वितान कन्सलटन्स यांचा दि. २३/०५/२०१८ चा अर्ज.
२) अनप/अग्नि/२०१५-१६/०४ दि. १७/०४/२०१५ अन्वये.
३) मे. धारवाणी कन्सल्टेशन यांचा दि. २०/०५/२०१८ चा अर्ज.
४) मे. अजिंक्य फायर सिस्टीम यांचे दि. २३/०४/२०१८ चे प्रमाणपत्र.
५) अग्निशमन विभागाने दि. १५/०६/२०१८ केलेली तपासणी व चाचणी.

महोदय,


अंबरनाथ नगरपरिषद, अंबरनाथ हद्दीतील मौजे चिखलोली ता. अंबरनाथ स.नं. १३५/३ अ, (पार्ट), १३८/२ या भुखंडावर रहिवासी स्टील+सात मजल्याच्या एकूण ८ इमारती बांधण्यात आल्या आहेत. सदर इमारतीत अग्निशमन विभागाने यापूर्वी संदर्भ क्र. २ नुसार दिलेल्या तात्पुरत्या दाखल्यातील अग्निशमन यंत्रणा व उपकरणे बसविली असल्याचे अर्जदाराचे कळविले आहे. करिता सदर अग्निशमन यंत्रणेची तपासणी व चाचणी दि. १५/०६/२०१८ रोजी विभागाने घेतली असता तात्पुरत्या दाखल्यात सुचविण्यात आलेली आग प्रतिबंधक यंत्रणा संपुर्ण इमारतीत बसविण्यात आली असल्याचे व सदर यंत्रणा तपासणीच्या दिवशी सुस्थितीत व कार्यन्वित असल्याचे निदर्शनास आले. इमारतीत अग्निशमन यंत्रणा चालू स्थितीत असल्याची खात्री पटले वरून पुढील शर्ती व अटीचे अधिन राहून वरील इमारतीस अग्निशमन विभागाचा यंत्रणा कार्यन्वित असण्याचा अंतिम दाखला देणेत येत आहे.

१. इमारतीमधील अग्निशमन यंत्रणेची माहिती आपातप्रसंगी वापर, देखभाल याबाबत इमारतीमधील रहिवाशांना आवश्यक ते प्रशिक्षण यंत्रणा बसविण्याच्या संस्थेमार्फत देण्यात यावे.
२. वरील इमारतीमधील अग्निशमन यंत्रणा चालू व सुस्थितीत असल्याची खात्री करून इमारतीमधील रहिवाशी / जबाबदार व्यक्ती / सोसायटी यांचे ताब्यात लेखी स्वरूपात देण्याची जबाबदारी विकासक यांची असेल. यंत्रणा रहिवाशांचे ताब्यात दिल्यावर बसविलेल्या साहित्याचे यादीसह रहिवाशांचे स्वाक्षरीनिशी अग्निशमन दलास लेखी कळवावे.
३. इमारतीमधील यंत्रणा ताब्यात घेतल्यावर ती पुढे योग्य व चालू स्थितीत ठेवण्याची जबाबदारी सोसायटीची राहिल.
४. गप्पीवरील Fire Tank मध्ये सदैव पाणी उपलब्ध राहिल ही खबरदारी घ्यावी व भविष्यात Fire Tank मधून आवश्यकतेनुसार कोणत्याही प्रकारचे पाणी वापराचे कनेक्शन करू नये.
५. महाराष्ट्र आग प्रतिबंधक व जीवसंरक्षक उपाययोजना २००६ अधिनियमातील कलम ३(३) नुसार मालक, भोगवटादार, विकासक सोसायटी यांनी लायसंस अभिकरणामार्फत इमारतीमध्ये असलेली अग्निशमन यंत्रणा वर्षातून दोनदा म्हणजेच प्रत्येक जानेवारी व जुलै महिन्यात कार्यान्वित असल्याबाबतचे प्रमाणपत्र अग्निशमन विभागास सादर करणे बंधनकारक आहे.
६. अंबरनाथ नगरपरिषदेने नेमलेले लायसंस अभिकरणाची माहिती अग्निशमन विभागात व अग्निशमन संचालनालयाने नेमलेल्या अभिकरणांची यादी www.maharashtrafireservice.org या संकेतस्थळावर उपलब्ध आहे.
७. इमारतीमधील यंत्रणा तपासणी अधिकार अग्निशमन विभागाने राखून ठेवला असून अचानक तपासणीत इमारतीमधील अग्निशमन यंत्रणा, बंद अपर्वात, नादुरुस्त आढळल्यास अग्निशमन कायद्यातील कलम ६,७,८ नुसार योग्य ती कारवाई करणेत येईल.
८. विकासक/ सोसायटीने वर्षातून किमान दोन वेळा Fire Drill करून दफ्तरी नोंद ठेवावी, तसेच आपापल्या इमारतीचा Disaster Management Plan बनवून एक प्रत अग्निशमन विभागात सादर करावी. तसेच लिफ्टची चावी जबाबदार व्यक्ती, सोसायटी यांच्याकडे असणे आवश्यक आहे.
९. सदरचा अंतिम दाखला हा फक्त अग्निशमन विषयक व इमारतीमधील अग्निशमन यंत्रणा तपासणी दिवशी कार्यान्वित व सुस्थितीत असल्याची खात्री व निदर्शनास आल्यानुसार देण्यात आलेला आहे.
१०. वरील दाखल्यानुसार विकासक यांनी सदरची प्रत सोसायटी/ जबाबदार व्यक्ती यांकडे सविस्तर देऊन वरीलप्रमाणे यापुढे कार्यवाही करणेबाबत अवगत करावे.

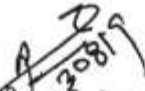


अग्निशमन अधिकारी
अंबरनाथ नगरपरिषद, अंबरनाथ

३८. जागेच्या मालकी हक्काबाबत / वहीदाटीबाबत बाब निर्माण झाल्यास त्याची सर्वस्वी जबाबदारी विकासकर्ता / कु.मु.प.धारक / जमिन मालक यांची राहिल.
३९. इमारतीसाठी बसविली जाणारी लिफ्ट हि ISI मार्क असलेली दर्जेदार व नामांकित कंपनीची असावी तसेच तीची वेळोवेळी सुरक्षीततेचे वृत्तीने तपासणी करण्यात यावी.
४०. नैसर्गिक पावसाळी पाण्याचा वापर करणेसाठी रुफटॉपर हार्वेस्टिंग पध्दतीची बंत्रणा उभारण्यात यावी. तसेच रुफ टॉपचे पावसाळी पाणी जमिनीमध्ये जिरेल अशा पध्दतीने छाड्या घेवून पाईप व्यवस्था करणेत यावी. जेणेकरून पावसाचे पाणी वाहून याया जाणार नाही व ते जमिनीमध्ये मुरेल.
४१. सदर इमारत बांधकामामुळे काही युद्ध बाधित होत असल्यास युद्ध अधिकारी यांचा विहीत पध्दतीने परवाना प्राप्त करून त्यांचे आदेशाप्रमाणेच युद्धतोडीनंतर इमारत बांधकाम हाती घेणेची कार्यवाही करावी.
४२. प्रत्येक मजला व प्रत्येक विंग मध्ये फायर एक्स्टिंग्विशर बसवावे.
४३. इमारतीच्या टॉपलेटमध्ये लो बॉल्यूम फ्लश सिस्टमचा वापर करण्यात यावा.
४४. अग्निशमन अधिका-यांचा ना हरकत दाखला घेणे आपणांवर बंधनकारक राहिल.
४५. संबंधित अग्निशमन विभागाकडून सदर प्रस्तावाबाबत अमिप्राय घेणे आवश्यक राहिल, तसेच प्रस्तायामध्ये बदल सुचविल्यास नकाशा मध्ये अंतर्भूत करणे बंधनकारक राहिल. त्यानंतरच बांधकाम सुरु करण्यात यावे.
४६. सदनिका विक्रीताना महा.रेरा कायदानुसार कापेट क्षेत्रावर विक्री करण्यात यावी.
४७. वापर परवाना घेतल्याशिवाय तेथे रहिवास वापर केल्यास संपूर्ण इमारत अनधिकृत ठरवून प्रापटी टॅक्सवर दुप्पट दंड आकारण्यात येईल.
४८. शासन निर्णयानुसार इमारत व इतर बांधकाम कामगार कल्याणकारी उपकर अधिनियम १९९६ अंतर्गत इमारत बांधकामाच्या मुल्यावर उपकर १% नगरपरिषदेमार्फत शासनास ३० दिवसांच्या आत भरणे आपणांस बंधनकारक राहिल. अन्यथा दिलेली परवानगी रद्द समजण्यात येईल.
४९. आपण विक्रीत करीत असलेल्या प्रकल्पामध्ये शासनाच्या स्वच्छ भारत अभियान २०१८ अंतर्गत ओला आणि सुरक्षा कचरा वर्गीकरण करण्याची कायम स्वरुपी व्यवस्था करावी. व रेज्जानकारामध्ये जागा निश्चित करून कळकळीने दर्शवावे. तसेच ओल्या कच-वापर प्रक्रीया करण्यासाठी शासन धोरणानुसार आवश्यक ती उपाययोजना करण्यात यावी.
५०. घनकचरा व्यवस्थापन ओला कच-याची विल्हेवाट आपल्या प्रकल्पाचे आवारात करणे बंधनकारक आहे.
५१. स्वच्छ सर्वेक्षण २०१८ अंतर्गत बांधकामाच्या ठिकाणी बांधकाम कामगारांसाठी शीशलयाची सुविधा उपलब्ध करून देण्यात यावी व तसे गरपरिषदेस शीशलयाच्या फोटोसह कळविण्यात यावे.
५२. सदर प्रकल्पामध्ये यांत्रिक पार्किंगची तरतुद केलेली आहे. त्यांचे संकल्पचित्र दर्शविणारा नकाशा तांत्रिक सल्लागार यांचे कडून तयार करून, भोगवटा प्रमाणपत्र घेण्यापूर्वी सादर करणेत यावा.


 सहाय्यक नगररचनाकार,
 अंबरनाथ नगरपरिषद,
 अंबरनाथ.




 मुख्यधिकारी तथा नियोजन प्राधिकारी,
 अंबरनाथ नगरपरिषद,
 अंबरनाथ.

प्रत अग्रेषित :
 मा.तहसिलदार, अंबरनाथ यांना महाराष्ट्र शासन राजपत्र, महसूल व घन विभाग दिनांक ५ जानेवारी, २०१७ नुसार कार्यवाही करीता.

१. इमारतीमधील अग्निशमन यंत्रणेची माहिती आपातप्रसंगी वापर, देखभाल याबाबत इमारतीमधील रहिवाशांना आवश्यक ते प्रशिक्षण यंत्रणा बसविण्याच्या संस्थेमार्फत देण्यात यावे.
२. वरील इमारतीमधील अग्निशमन यंत्रणा चालू व सुस्थितीत असल्याची खात्री करून इमारतीमधील रहिवाशी / जबाबदार व्यक्ती / सोसायटी यांचे ताब्यात लेखी स्वरूपात देण्याची जबाबदारी विकासक यांची असेल. यंत्रणा रहिवाशांचे ताब्यात दिल्यावर बसविलेल्या साहित्याचे यादीसह रहिवाशांचे स्वाक्षरीनिशी अग्निशमन दलास लेखी कळवावे.
३. इमारतीमधील यंत्रणा ताब्यात घेतल्यावर ती पुढे योग्य व चालू स्थितीत ठेवण्याची जबाबदारी सोसायटीची राहिल.
४. गच्चीवरील Fire Tank मध्ये सदैव पाणी उपलब्ध राहिल ही खाबरदारी घ्यावी व भविष्यात Fire Tank मधून आवश्यकतेनुसार कोणत्याही प्रकारचे पाणी वापराचे कनेक्शन करू नये.
५. महाराष्ट्र आग प्रतिबंधक व जीवसंरक्षक उपाययोजना २००६ अधिनियमातील कलम ३(३) नुसार मालक, भोगवटादार, विकासक सोसायटी यांनी लायसन्स अभिकरणामार्फत इमारतीमध्ये असलेली अग्निशमन यंत्रणा वर्षातून दोनदा म्हणजेच प्रत्येक जानेवारी व जुलै महिन्यात कार्यान्वित असल्याबाबतचे प्रमाणपत्र अग्निशमन विभागास सादर करणे बंधनकारक आहे.
६. अंबरनाथ नगरपरिषदेने नेमलेले लायसन्स अभिकरणाची माहिती अग्निशमन विभागात व अग्निशमन संचालनालयाने नेमलेल्या अभिकरणांची यादी www.maharashtrafireservice.org या संकेतस्थळावर उपलब्ध आहे.
७. इमारतीमधील यंत्रणा तपासणी अधिकार अग्निशमन विभागाने राखून ठेवला असून अचानक तपासणीत इमारतीमधील अग्निशमन यंत्रणा, बंद अपर्याप्त, नादुरुस्त आढळल्यास अग्निशमन कायद्यातील कलम ६, ७, ८ नुसार योग्य ती कारवाई करणेत येईल.
८. विकासक/ सोसायटीने वर्षातून किमान दोन वेळा Fire Drill करून दफ्तरी नोंद ठेवावी, तसेच आपापल्या इमारतीचा Disaster Management Plan बनवून एक प्रत अग्निशमन विभागात सादर करावी. तसेच लिफ्टची चावी जबाबदार व्यक्ती, सोसायटी यांच्याकडे असणे आवश्यक आहे.
९. सदरचा अंतिम दाखला हा फक्त अग्निशमन विषयक व इमारतीमधील अग्निशमन यंत्रणा तपासणी दिवशी कार्यान्वित व सुस्थितीत असल्याची खात्री व निदर्शनास आल्यानुसार देण्यात आलेला आहे.
१०. वरील दाखल्यानुसार विकासक यांनी सदरची प्रत सोसायटी/ जबाबदार व्यक्ती यांकडे सविस्तर देऊन वरीलप्रमाणे यापुढे कार्यवाही करणेबाबत अवगत करावे.



Page 2 of 2

अग्निशमन अधिकारी
अंबरनाथ नगरपरिषद, अंबरनाथ

No. MFS/51/2022/ 109
Tel No. 2667 7555
Fax No.2667 7666

GOVERNMENT OF MAHARASHTRA

Directorate of Maharashtra Fire Service
Maharashtra Fire Service Academy
Vidyanagri, Hans Bhugra Marg,
Santacruz (East), Mumbai – 400 098
Date: 31/01/2022

To,
M/s. Tharwani Constructions Pvt Ltd.,
Survey No. 134/1A, 1B, 1C, 1D, 134/2, 135/3, 138/1D, 138/2
Village Chikloli, Tal-Ambemath
Dist-Thane

Sub: Scrutiny Report of proposed Residential Building in the name of M/s. Tharwani Constructions Pvt Ltd., Survey No. 134/1A, 1B, 1C, 1D, 134/2, 135/3, 138/1D, 138/2, Village Chikloli, Tal-Ambemath, Dist-Thane

Ref : Application No. MFS 77.22, Dated 31.01.2022

Dear Sir,

With reference to above, this office is in receipt of your proposal for Residential Building.

After scrutiny of the drawing following are our observations and remarks

1. **Staircase:** One of the staircase in all building is not enclosed. Also the width of the staircase is shown as 1.20 mtrs to 1.35 Mtrs instead of 1.50 Mtrs.
2. **Fire Tower:** As the Residential Building is above 24 mtrs and thus as per National Building Code of India-Part IV, Annex E, one of the staircase shall be "Fire Tower". Thus, you are hereby instructed to provide one.
3. **Refuge Area:** Except for Bldg O, R & K, Refuge area is shown improperly or shown in the midlanding of the staircase which is not permissible. Proper refuge area to be provided. In A-1 Bldg, no entry is shown for Refuge area.
4. **Height :** For some building, the height shown is beyond the permissible limit as per UDCPR. The permissible maximum height as per the building shown is 53.20 Mtrs.
5. **Bldg O & Bldg P:** basement floor plan is given for both the building but section plan or the area statement does not show the basement.
6. **Club House :** Improper staircase is shown as well as additional staircase is required for mini theatre.

The Maharashtra Fire Prevention & Life Safety Measure Act-2008 & Maharashtra Fire Prevention & Life Safety Measure Rules-2009, the National Building Code of India-2016 is made mandatory. The above mentioned clause are mandatory in nature therefore you are hereby informed to make necessary correction / amendments in your drawings and resubmit for necessary approval.

You are hereby informed to make necessary correction / amendments in your drawings and resubmit for necessary approval.

This is for your information and further necessary action, please.

Thanking you.

Yours faithfully,


K R Hatyal
Asst. Director

Maharashtra Fire Services.



अंबरनाथ नगरपरिषद, अंबरनाथ.
पाणी पुरवठा व जलनिःस्सारण विभाग

जा.क्र. अनप/पापुवजनि/ २०१८-१९/२६६

दिनांक १८/८/२०१८

पति,

म.धरबाणी कन्स्ट्रक्शन प्रा.लि.डायरेक्टर

श्री. सुनिल एच.धरबाणी

स.नं. १३५/३अ,१३८/१पे.,१३८/२,१३४/१ A,B,C,D (p), १३४/२

मीजे चिखलोली ता. अंबरनाथ

विषय :- भुयारी गटार जोडणी परवानगी मिळणेबाबत.
संदर्भ :- आपला दिनांक १८/८/२०१८ रोजीचा अर्ज

सदर मिळवतीची पाहणी केल्यानुसार गृहसंकुलात एकूण ०३फेज आहेत त्यापैकी एक फेज पूर्ण झाला आहे. त्यापैकी ०१ इमारतीची विकासकाने भुयारी गटार जोडणीची परवानगी विकासकाने सद्यस्थितीत ९ इमारतीची विकासकाने परवानगी मागितलेली आहे. सदर इमारती मध्ये एकूण २८० सदानिका आहेत व ४०७ सिट्स आहेत. सदर गृहसंकुलामध्ये विकासकाने संपूर्ण प्रोजेक्टचा विचार करता सेटीक टँक ऐवजी ०.२९० द.ल.लि.क्षमतेचा मलशुद्धीकरण केंद्र बांधण्यात आले आहे. बासाठी त्यांनी डेफकन इन्डरमेंट कन्सल्टंट प्रा.लि.(पुणे) यांना तांत्रिक सल्लागार म्हणून नियुक्त केलेले आहे. त्यांनी बांधण्यात आलेल्या केंद्राची क्षमता तपासून केंद्राची यांनी पूर्ण क्षमतेने यशस्वी चाचणी घेतल्याचे प्रमाणपत्र नगरपालिकेकडे सादर केलेले आहे. त्याअनुषंगाने पर्यावरण अहवालातील संमतीमधील ड्रेनेज वा घटकाची पाहणी व संमती वा पत्राव्दारे देण्यात येत आहे.

- मलशुद्धीकरण केंद्रातून बाहेर पडणा-या पाण्यासाठी Reculing unit बसविण्यात येऊन त्याचे पाणी fludhing वा Gardening साठी उपयोगात आणण्यात यावे.
- ज्यावेळी मलशुद्धीकरण केंद्रातील बाहेर पडणारे पाणी अंनप हद्दीतील नाल्यात सोडण्यात येऊन त्यावेळी सदरचे पाणी महाराष्ट्र प्रदुषण निबंधन मंडळाच्या विहित मानांकनानुसारच प्रक्रिया केल्या जावे त्याबाबत काही वाद उद्भवताच त्याची जबाबदारी संघर्षित को. ऑप. ही.सोसायटीची राहिल.
- मलशुद्धीकरण केंद्रामुळे परिसरात दुर्गंधी परस्तरणार नाही याची संपूर्ण दक्षता घेण्याची जबाबदारी विकासकाची व त्याचे नंतर संबंधित सहकारी संस्थेची असेल.
- भविष्यात या ठिकाणी नगरपरिषदे मार्फत भुयारी गटार योजना राबविण्यात आल्यास सदर मलशुद्धीकरण केंद्रातून प्रक्रिया होऊन बाहेर पडणा-या पाण्याच्या आऊटलेटची जोडणी विकासकाने वा नवीन निर्माण को.ऑप.ही. झालेल्या सोसायटी जवळील मैनव्होल मध्ये (चेंबर) नगरपरिषदेची परवानगी घेवून स्वयंचालने करून घ्यावी लागेल. जेणेकरून इमारतीच्या आसपासच्या परिसरात दुर्गंधी व अस्वच्छता राहणार नाही.
- नगररचना विभागातर्फे दिलेल्या बांधकाम इमारतीच्या परवानगी संदर्भात काही कायदेशीर प्रश्न उपस्थित झाल्यास आपणांस देण्यात आलेली सदर भुयारी गटार जोडणी रद्द झाल्याचे समजण्यात येईल. मा.मुख्याधिकारी यांच्या मान्यतेने.



अंबरनाथ
उपअधीक्षक

पा.पु.व.ज.नि.

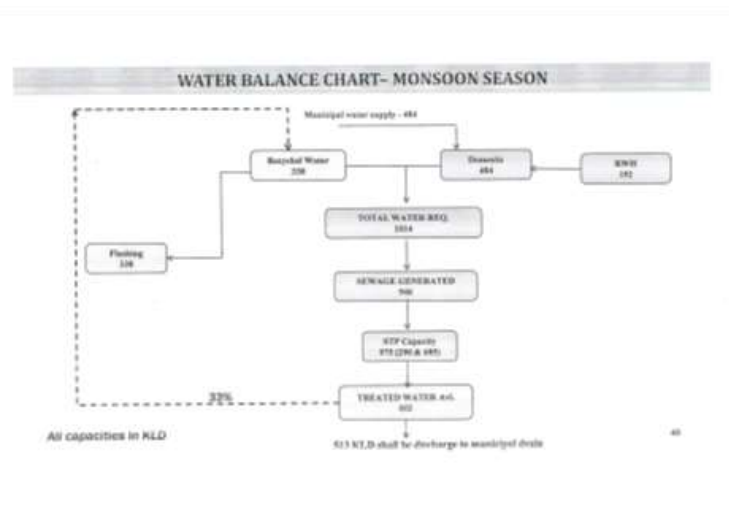
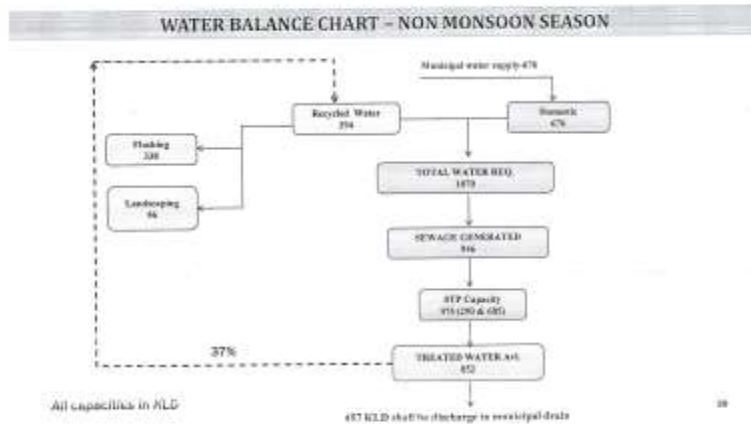
अंबरनाथ नगरपरिषद.

प्रत :- १) नगररचना विभाग, अंबरनाथ नगरपरिषद, अंबरनाथ- नगररचना विभागाने पाणी पुरवठा व जलनिःस्सारण विभागाने सुचित केल्यानुसार बांधकाम पूर्ण झाल्याची खात्री करून तसेच इमारती परवानगी घेण्यात तपासूनच इमारतीचे / संकुलाचे/पापुवे/बांधकाम पूर्णत्वाचा दखला द्यावा. तसेच पर्यावरण संमतीमधील ड्रेनेज वा घटकाची पाहणी व संमती वा पत्राव्दारे देण्यात येत आहे. उर्वरित पर्यावरण संबंधित घटकांची खातरजमा आपण आपल्या स्तरवरून करण्याची विनंती आहे.

२) श्री. रविंद्र देवधर,नळ कारागीर ,अं.न.प. आपण विकासकातर्फे सादर केलेल्या कागदपत्रांच्या मसुदाला सांश्लिष्ट करून त्याची वैधता तपासूनच नगरपरिषदेकडे अर्जासोबत जमा करावीत अपूर्ण वा असत्य माहिती व खोटी कागदपत्रे सादर केल्याने सदर प्रकरणात काही कायदेशीर प्रश्न उपस्थित झाल्यास आपणांसही विकासकांसोबत जबाबदार धरण्यात येऊन आपणावर नगरपरिषद नियमानुसार कार्यवाही करून आपला परवाना रद्द करण्यात येईल याची नोंद घ्यावी.

ANNEXURE NO 10 : WATER BALANCE

| Sr no. | Particulars | Quantity |
|--------|---|-----------------|
| 1. | Total Population (nos.) | 7533 |
| 2. | Domestic Water (KLD) | 676 |
| 3. | Flushing Water (KLD) | 338 |
| 4. | Total Water Demand (KLD) | 1014 |
| 5. | Total sewage Generation (KLD) | 946 |
| 6. | Total Recycled Water (KLD) | 394 |
| 7. | Total Capacity of STP (KLD) | 975 (290 & 695) |
| 8. | Total available after Treatment (KLD) | 852 |
| 9. | The Excess treated water to drain during Non-Monsoon (KLD) | 457 |
| 10. | The Excess treated water to drain during during Monsoon (KLD) | 513 |



ANNEXURE NO: 11 SOLID WASTE MANAGEMENT DETAILS

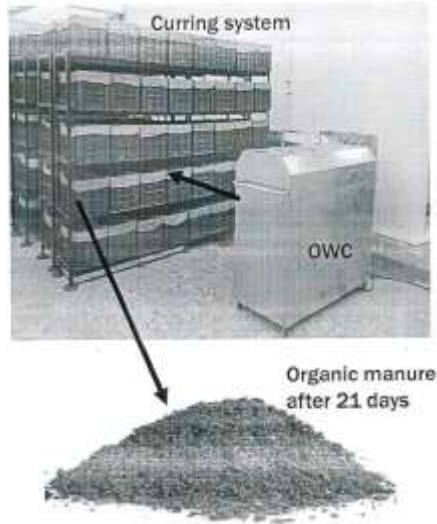
| SOLID WASTE MANAGEMENT-CONSTRUCTION PHASE | | | | | | | |
|--|--------------|-------------|--------------------------|---|--------------------------------|---------------------|----------------|
| WASTE | | QTY | | MANAGEMENT | | | |
| Cement Bags | | 3652 Nos. | | Empty bags to be handed over to recycler | | | |
| Scrap metal generated | | 12 MT | | 100% to be sold for recycling | | | |
| Broken Tiles | | 2049 sq. m | | Waste tiles to be used for skirting. Broken pieces to be used for china mosaic waterproofing terrace. | | | |
| Empty paint Cans | | 2459 Nos. | | To be Handed over to recycler. | | | |
| Aggregates | | 14 MT | | It will be used as a layer for internal roads and building boundary wall. | | | |
| SOLID WASTE MANAGEMENT-OPERATIONAL PHASE | | | | | | | |
| Sr no. | Building | Occupancy | Criteria (Kg/person/day) | | Solid waste generation (kg/dy) | | Total (kg/day) |
| | | | Bio Degradable | Non- Bio Degradable | Bio Degradable | Non- Bio Degradable | |
| 1. | Residential | 7500 | 0.30 | 0.20 | 2250 | 1500 | 3750 |
| 2. | Shops | 33 | 0.075 | 0.150 | 2 | 5 | 7 |
| | Total | 7533 | | | 2252 | 1505 | 3757 |

| SR NO. | TYPE OF WASTE | QUANTITY (KG/DAY) | MANAGEMENT |
|---------------|-------------------------|--------------------------|---|
| 1. | Biodegradable Waste | 2252 | Biodegradable waste will be processed in OWC and manure so obtained will be used for la |
| 2. | Non-biodegradable Waste | 1505 | Will be managed through recyclers. |
| 3. | STP sludge | 47 | Dry sludge shall be used as manure. |

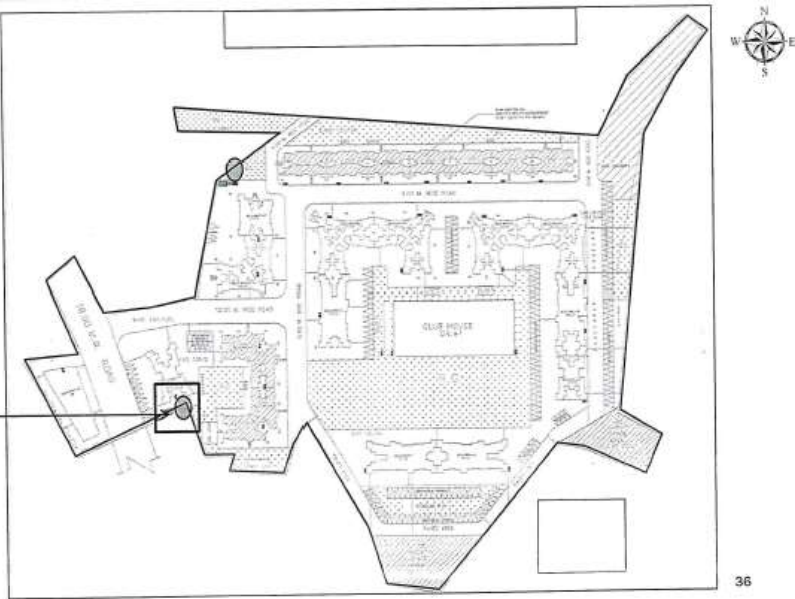
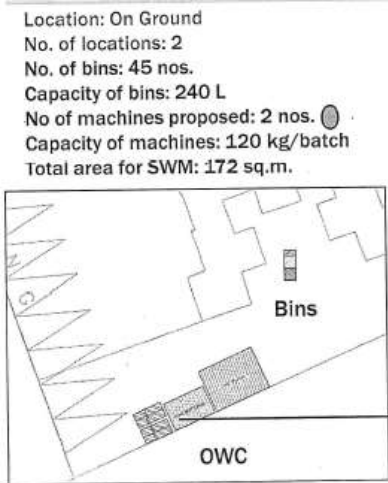
OWC DETAILS

| Sr no. | Description | Quantity |
|---------------|--|-----------------|
| 1. | Non Bio-degradable in Kgs | 1505 |
| 2. | Total solid Waste in Kgs | 3757 |
| 3. | Quantity of Bio degradable waste in KG | 2252 |
| 4. | Capacity of Each bin Proposed to be used (lit) | 240 |
| 5. | Nos. of Bins required (240 lits) | 45 |
| 6. | Area required for bean storage in sq.mtr | 31 |
| 7. | Area required for segregation in sq.mtr | 31 |
| 8. | Machine recommended | OWC300 |
| 9. | No. of Machines Proposed | 2.0 |
| 10. | Capacity per batch in kg per batch | 120 |
| 11. | No. of batches for each machine in sq.mtr | 9 |
| 12. | Area of each machine in sq.mtr | 3.0 |
| 13. | Area of total machine in sq.mtr | 6.0 |
| 14. | Operator Maneuvering spaces in sq.mtr | 6.0 |
| 15. | Total(Machine + maneuvering) in sq.mtr | 12 |
| 16. | No. of tiers in shelves | 3.0 |
| 17. | Area required for 20 days storage in sq.mtr | 56.8 |
| 18. | Compost quantity per day in kg | 337.8 |
| 19. | Storage space for compost for 6 days stock in sq.mtr | 20.3 |

| | | |
|-----|--|-----|
| 20. | Process + storage area in sq.mtr | 77 |
| 21. | Total process +storage area included maneuvering in sq.mtr | 97 |
| 22. | SWM management area (excluding machine) in sq.mtr | 160 |
| 23. | SWM management area (Including machine) in sq.mtr | 172 |



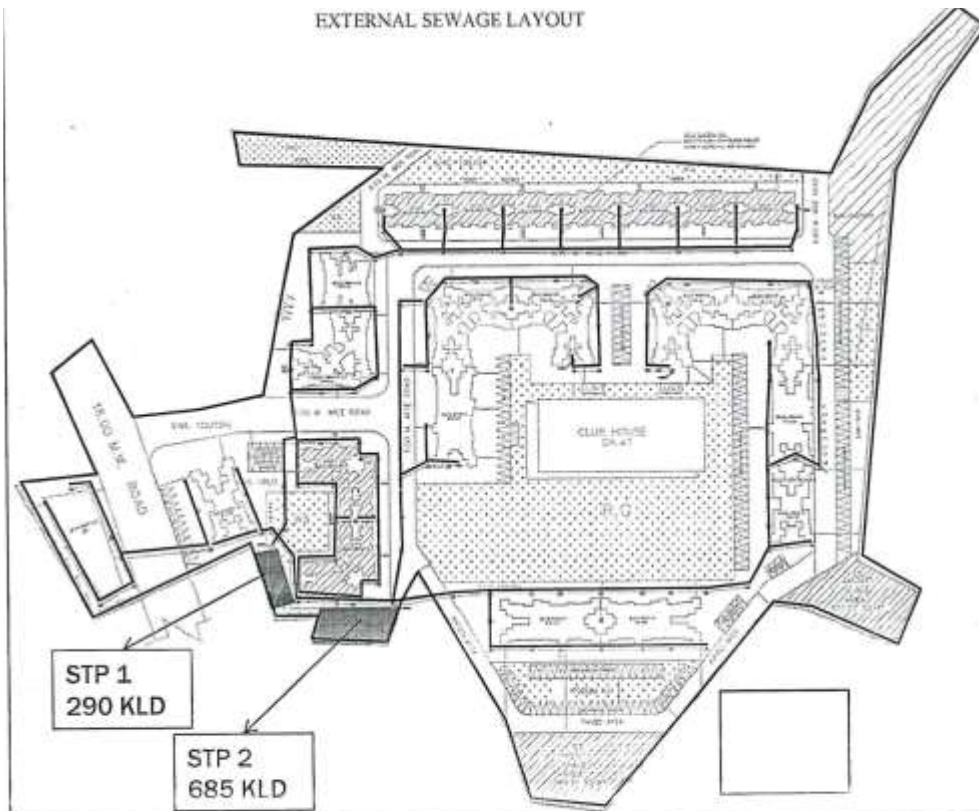
LOCATION OF OWC



ANNEXURE NO .12: SANITARY AND HYGIENE MEASURES

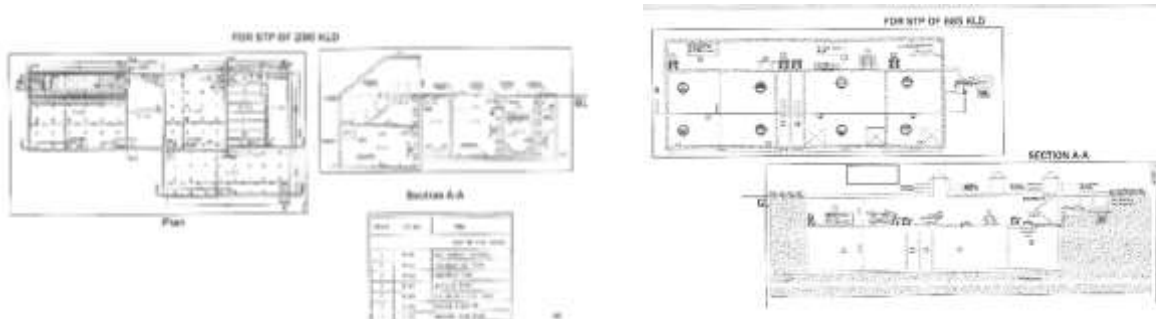
| Sr no. | Particulars | Details (During monitoring) | |
|---------------|------------------------------|--|---------------------------------------|
| 1. | No. of Residential Workers | 89 | |
| 2. | Facility provided to workers | | |
| | 1. | No. of toilets & Bathrooms | 5 |
| | 2. | Drinking water facility | Yes |
| | 3. | No. of Bore wells at site | |
| | 4. | Light provision to Hutments | Yes |
| | 5. | First aid box provision | Yes |
| | 6. | Workers health report | Health camp is conducted for Workers. |
| | 7. | Cooking facility | No, workers prepare their Own food. |
| | 8. | Provision of safety gadgets | Yes |
| | 9. | Barricading of site | Yes |

ANNEXURE NO .13: DETAILS OF SEWAGE TREATMENT PLANT



| Particulars | STP 1 | STP2 | Total |
|--------------------|-----------------|------|-------|
| STP capacity (KLD) | 290 | 685 | 975 |
| STP area (sq.m) | 167 | 336 | 503 |
| Technology | MBBR | | |
| Location | At ground level | | |

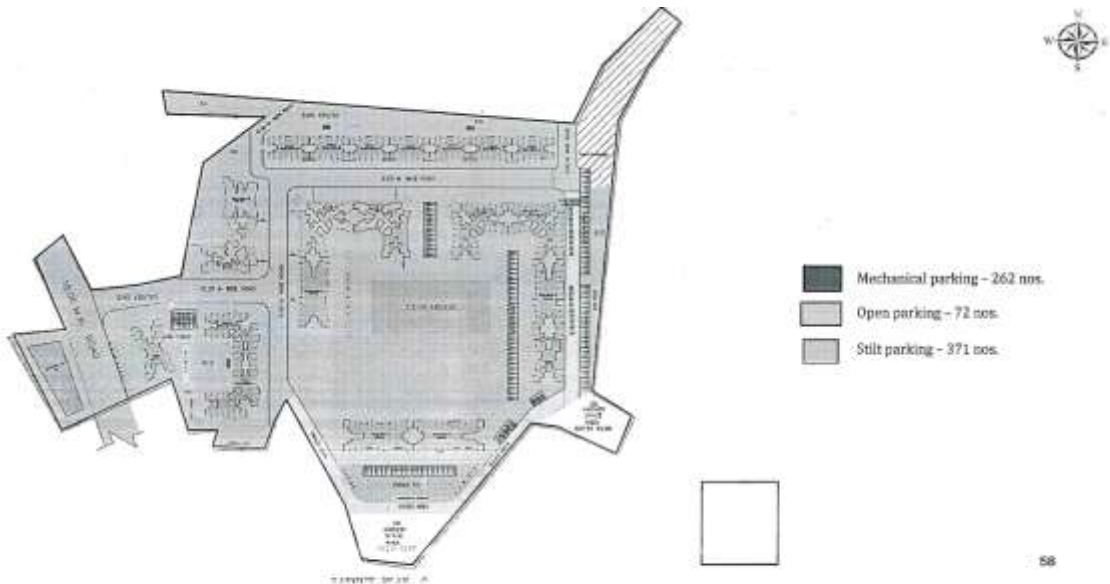
STP SECTION



ANNEXURE NO .14: PARKING DETAILS

| Flat Carpet Area In Sq.Mtr | Nos. flats | Required cars | Proposed cars |
|-------------------------------|-------------|---------------|---------------|
| Below 35 | 16 | - | - |
| 35 to 45 | 428 | 107 | 107 |
| 45 to 70 | 1056 | 528 | 528 |
| Above 70 | - | - | - |
| Commercial area per 80 sq.mtr | 461.25 | 06 | 06 |
| Total | 1500 | 641 | 641 |
| 10 % Visitors parking | | 64 | 64 |
| Total | | 705 | 705 |

| Floor Level | No. of Parking |
|--------------------|----------------|
| Stilt parking | 371 |
| Open parking | 72 |
| Mechanical parking | 262 |
| Total | 705 |



ANNEXURE NO .15: MONITORING REPORTS



EHS MATRIX
PRIVATE LIMITED

📍 Sr. No.30/7, Office No. 202, 203, Chintamani Industrial Estate,
Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.
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🌐 www.ehsmatrix.co.in ✉️ ehsmatrixpune@gmail.com

TEST REPORT

| Report No: | EHSM/2022/Nov/R-742 | Issue Date | 16/11/2022 | | |
|--|---|-----------------------------|--|--|---|
| Name and Address of Customer | Amendment Proposed residential development on survey and Hissa No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D, village-Chikhaloli, Badlapur, Mumbai M/s. Tharwani Constructions Pvt Ltd. | | | | |
| Sample Name | Air | Sample Description | Ambient Air | | |
| Date of Sampling | 07/11/2022 | Sampling duration | 1440 Min | | |
| Start Date of Analysis | 09/11/2022 | End Date of Analysis | 14/11/2022 | | |
| Sampling Location | Near Main Gate | Sampling Procedure | CPCB Guideline for measurement of Ambient Air pollutants Volume I | | |
| Dry bulb temperature | 30°C | Wet bulb temperature | 32°C | | |
| Relative Humidity | 68 % | Sampling done by | EHS Matrix Pvt Ltd, Pune | | |
| Results | | | | | |
| Sr. No. | Parameters | Results | Unit(s) | Specifications (NAAQ Standards) | Methods |
| 1 | Sulphur Dioxide(SO ₂) | 7.2 | µg/m ³ | 80 | IS 5182: Part 2:2001 |
| 2 | Oxides of Nitrogen(NO ₂) | 11.3 | µg/m ³ | 80 | IS 5182: Part 6:1975 |
| 3 | Particulate Matter PM ₁₀ | 65.3 | µg/m ³ | 100 | CPCB Guideline for measurement of Ambient Air pollutants Volume I |
| 4 | Particulate Matter PM _{2.5} | 32.1 | µg/m ³ | 60 | |
| 5 | Carbon Monoxide (CO) | 1.9 | mg/m ³ | ≤ 04 | |
| 6 | Ozone(O ₃) | 24 | µg/m ³ | ≤ 180 | |
| 7 | Lead (Pb) | BDL | µg/m ³ | ≤ 01 | |
| 8 | Arsenic(As) | BDL | µg/m ³ | ≤ 06 | |
| 9 | Nickel(Ni) | BDL | µg/m ³ | ≤ 20 | |
| 10 | Ammonia(NH ₃) | BDL | µg/m ³ | ≤ 400 | |
| 11 | Benzo(a)Pyrene(BaP) | BDL | µg/m ³ | ≤ 1.0 | |
| 12 | Benzene(C ₆ H ₆) | BDL | µg/m ³ | ≤ 05 | |
| Remark- All above results are within National Ambient Air Quality standards. BDL – Below Detectable Limit. | | | | | |




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📍 **Branch Office Address :**
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☎️ +91 98343 07334

CERTIFICATIONS :
ISO 9001 : 2015
ISO 14001 : 2015
ISO 45001 : 2018



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TEST REPORT

| | | | |
|------------------------------|--|----------------------|---|
| Report No: | EHSM/2022/Nov/R-743 | Issue Date | 16/11/2022 |
| Name and Address of Customer | Amendment Proposed residential development on survey and Hissa No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D, village-Chikhaloli, Badlapur, Mumbai M/s. Tharwani Constructions Pvt Ltd. | | |
| Sample Name | Air | Sample Description | Ambient Air |
| Date of Sampling | 07/11/2022 | Sampling duration | 1440 Min |
| Start Date of Analysis | 09/11/2022 | End Date of Analysis | 14/11/2022 |
| Sampling Location | Near Bldg. G | Sampling Procedure | CPCB Guideline for measurement of Ambient Air pollutants Volume I |
| Dry bulb temperature | 30°C | Wet bulb temperature | 32°C |
| Relative Humidity | 70 % | Sampling done by | EHS Matrix Pvt Ltd, Pune |

Results

| Sr. No. | Parameters | Results | Unit(s) | Specifications (NAAQ Standards) | Methods |
|---------|---|---------|-------------------|---------------------------------|---|
| 1 | Sulphur Dioxide(SO ₂) | 6.8 | µg/m ³ | 80 | IS 5182: Part 2:2001 |
| 2 | Oxides of Nitrogen(NO ₂) | 11.3 | µg/m ³ | 80 | IS 5182: Part 6:1975 |
| 3 | Particulate Matter PM ₁₀ | 74.3 | µg/m ³ | 100 | CPCB Guideline for measurement of Ambient Air pollutants Volume I |
| 4 | Particulate Matter PM _{2.5} | 34.5 | µg/m ³ | 60 | |
| 5 | Carbon Monoxide (CO) | 1.9 | mg/m ³ | ≤ 04 | |
| 6 | Ozone(O ₃) | 26 | µg/m ³ | ≤ 180 | |
| 7 | Lead (Pb) | BDL | µg/m ³ | ≤ 01 | |
| 8 | Arsenic(As) | BDL | ng/m ³ | ≤ 06 | |
| 9 | Nickel(Ni) | BDL | ng/m ³ | ≤ 20 | |
| 10 | Ammonia(NH ₃) | BDL | µg/m ³ | ≤ 400 | |
| 11 | Benzo(a)Pyrene(BaP) | BDL | ng/m ³ | ≤ 1.0 | |
| 12 | Benzene(C ₆ H ₆) | BDL | µg/m ³ | ≤ 05 | |

Remark- All above results are within National Ambient Air Quality standards.
BDL – Below Detectable Limit.




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Kolhapur - 416008.
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ISO 45001 : 2018



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② +91 91585 60571 / +91 95796 84751 / +91 90961 85285
③ www.ehsmatrix.co.in ④ ehsmatrixpune@gmail.com

TEST REPORT


| | | | |
|------------------------------|--|--------------------|--|
| Report No: | EHSM/2022/Nov/R-744 | Issue Date | 16/11/2022 |
| Name and Address of Customer | Amendment Proposed residential development on survey and Hissa No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D, village-Chikhaloli, Badlapur, Mumbai M/s. Tharwani Constructions Pvt Ltd. | | |
| Sample Name | Source Emission | Sample Description | Stack Material : MS |
| Date of Sampling | 07/11/2022 | | Stack Height : 3.5 mtr |
| Start Date of Analysis | 09/11/2022 | | Stack Type : Round |
| End Date of Analysis | 14/11/2022 | Sampling Location | DG S # 2(250 KVA) |
| Sampling done by | EHS Matrix Pvt Ltd, Pune | Sampling duration | 30 Min |
| Sample Quantity | Thimble 1 Nos and 30 ml Solution | Sampling Procedure | CPCB Guideline on methodologies for source emission monitoring |

Results

| Sr. No. | Parameters | Results | Unit(s) | Specifications (MPCB Consent) | Methods |
|---------|--------------------------------------|---------|---------------------|-------------------------------|--|
| 1 | Flue Gas Temperature | 420 | K | | - |
| 2 | Differential Pressure | 6.0 | mm WG | | |
| 3 | Velocity | 7.3 | M/s | | |
| 4 | Dimensions of Stack | 0.200 | Mtr. | | |
| 5 | Stack Area | 0.314 | M ² | | |
| 6 | Gas Volume | 485 | Nm ³ /Hr | | |
| 7 | Particulate Matter | 43.7 | mg/Nm ³ | ≤ 150 | CPCB Guideline on methodologies for source emission monitoring |
| 8 | SulphurDioxide(SO ₂) | 35.8 | mg/Nm ³ | -- | |
| 9 | SulphurDioxide(SO ₂) | 0.37 | Kg/day | ≤ 3 | |
| 10 | Oxide of Nitrogen (NO _x) | 4.1 | mg/Nm ³ | N.S. | |
| 11 | Hydrocarbon | 1.2 | mg/Nm ³ | -- | |
| 12 | Carbon Dioxide (CO ₂) | 1.8 | % | -- | |
| 13 | Carbon Monoxide (CO) | 2.8 | % | -- | |

➤ **Remark-** All above results are well within MPCB Limit.
BDL:- Below Detection Limit




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② +91 20 2435 6133
③ +91 90961 85285 / +91 91585 60571

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ISO 14001 : 2015
ISO 45001 : 2018



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Near Dran Company, Dhayari, Pune - 411041, Maharashtra, India.
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TEST REPORT

| Report No: | EHSM/2022/Nov/R-745 | Issue Date | 16/11/2022 | | |
|---|--|----------------------------------|------------------------------------|---|----------------|
| Name and Address of Customer | Amendment Proposed residential development on survey and Hissa No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D, village-Chikhaloli, Badlapur, Mumbai M/s. Tharwani Constructions Pvt Ltd. | | | | |
| Sample Name | Noise | Sample Description | Ambient Noise | | |
| Date of Sampling | 07/11/2022 | Sampling duration | Spot Time | | |
| Sampling done by | EHS Matrix Pvt Ltd, Pune | | | | |
| Results | | | | | |
| Sr. No. | Locations | 12.30 Hrs Result dB(A) Day | 22.00 Hrs Result dB(A) Night | Specifications (CPCB Standards dB(A)) | Method |
| 1. | Near Main Gate | 64.3 | 47.6 | 75/70 | CPCB Guideline |
| 2. | Near Building G | 55.2 | 42.3 | | |
| Remark- | | | | | |
| ➤ All above Noise level results are within Central Pollution Control Board Standards limit. | | | | | |
| ➤ Day/Night -75/70 dB. | | | | | |




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TEST REPORT


| | | | |
|------------------------------|--|----------------------|----------------|
| Report No: | EHSM/2022/Nov/R-746 | Issue Date | 16/11/2022 |
| Name and Address of Customer | Amendment Proposed residential development on survey and Hissa No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D, village-Chikhaloli, Badlapur, Mumbai M/s. Tharwani Constructions Pvt Ltd. | | |
| Sample Name | Water | Sample Description | Drinking Water |
| Date of Sampling | 07/11/2022 | Sampling Time | 12.10 PM |
| Sampling Location | Project Site | Sampling Procedure | APHA 1060 |
| Sampling done by | EHS Matrix Pvt Ltd, Pune | Sample Quantity | 02 L |
| Start Date of Analysis | 09/11/2022 | End Date of Analysis | 14/11/2022 |

WATER ANALYSIS REPORT

| Sr. No. | Parameters | Results | Limits as per IS 10500:2012 | Unit(s) | Standard Methods |
|----------------------------------|-------------------------------------|---------|-----------------------------|-----------|--|
| Physical Parameter | | | | | |
| 1. | Color | <5 | ≤5 | Hazen | APHA 2120 B, 23 rd Ed.2017 |
| 2. | pH | 7.2 | 6.5 to 8.5 | -- | APHA 4500 H+ A, 23 rd Ed.2017 |
| 3. | Turbidity | <1 | ≤1 | NTU | APHA 2130 B, 23 rd Ed.2017 |
| 4. | Total Dissolved Solids TDS | 163.2 | ≤500 | mg/L | APHA 2540 C, 23 rd Ed.2017 |
| 5. | Total Hardness as CaCO ₃ | 63.1 | ≤200 | mg/L | IS 3025 (Part 21):2009 |
| 6. | Chloride (as Cl) | 11.2 | ≤250 | mg/L | APHA 4500 Cl-, 23 rd Ed.2017 |
| 7. | Residual Free Chlorine | BDL | ≤0.20 | mg/L | APHA 4500 Cl, 23 rd Ed.2017 |
| 8. | Calcium (as Ca) | 33.6 | ≤75 | mg/L | IS : 3025 (Part 40)1991 |
| 9. | Magnesium (as Mg) | <5.0 | ≤30 | mg/L | IS : 3025 (Part 46) |
| 10. | Sulphate (as SO ₄) | <10.0 | ≤200 | mg/L | IS : 3025 (Part 24)1986 |
| Microbiological Parameter | | | | | |
| 11. | Total Coliform | Absent | <2 | MPN/100ml | IS 1622:1981 |
| 12. | E.coli. | Absent | <2 | MPN/100ml | IS 1622:1981 |

REMARKS / OBSERVATIONS: Above sample is chemically and bacteriologically potable with respect to above parameters.




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TEST REPORT

| | | | |
|------------------------------|--|----------------------|------------|
| Report No: | EHSM/2022/Nov/R-747 | Issue Date | 16/11/2022 |
| Name and Address of Customer | Amendment Proposed residential development on survey and Hissa No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D, village-Chikhaloli, Badlapur, Mumbai M/s. Tharwani Constructions Pvt Ltd. | | |
| Sample Name | Soil | Sample Description | |
| Date of Sampling | 07/11/2022 | Sampling Time | 12.30 PM |
| Sampling Location | Project Site | Sampling Procedure | -- |
| Sampling done by | EHS Matrix Pvt Ltd, Pune | Sample Quantity | 01 kg |
| Start Date of Analysis | 09/11/2022 | End Date of Analysis | 14/11/2022 |

Results

| Sr. No. | Parameters | Results | Unit(s) | Methods |
|---------|--------------------------|------------|----------|------------------------|
| 1 | Soil Texture | | | Manual Of Soil Testing |
| | a) Sand | 25 | % | |
| | b) Silt | 43 | % | |
| | c) Clay | 32 | % | |
| | A. Soil type | Silty clay | - | |
| 2 | pH at 25°C | 7.12 | -- | IS 2720(Part 26) 1987 |
| 3 | EC at 25°C | 2768 | µS/cm | IS 14767 : 2000 |
| 4 | Moisture Content | 4.9 | % | Manual Of Soil Testing |
| 5 | Organic Matter | 3.4 | % | IS 2720(Part 22) 1972 |
| 6 | Cation Exchange Capacity | 2.2 | meq/100g | Manual Of Soil Testing |
| 7 | Total Soluble Sulphate | 10.9 | mg/Kg | Manual Of Soil Testing |
| 8 | Available Phosphorus | 14.3 | mg/Kg | Manual Of Soil Testing |
| 9 | Available Nitrogen | 121.3 | mg/Kg | Manual Of Soil Testing |
| 10 | Water Holding | 17.9 | % | Manual Of Soil Testing |
| 11 | Calcium as (Ca) | 21.3 | mg/Kg | Manual Of Soil Testing |
| 12 | Magnesium as (Mg) | 12.3 | mg/Kg | Manual Of Soil Testing |
| 13 | Lead (as Pb) | <0.01 | mg/Kg | Manual Of Soil Testing |
| 14 | Copper (as Cu) | <0.05 | mg/Kg | Manual Of Soil Testing |
| 15 | Zinc (as Zn) | 8.3 | mg/Kg | Manual Of Soil Testing |
| 16 | Cadmium (as Cd) | <0.01 | mg/Kg | Manual Of Soil Testing |
| 17 | Iron (as Fe) | 5.3 | mg/Kg | Manual Of Soil Testing |
| 18 | Manganese (as Mn) | 1.3 | mg/Kg | Manual Of Soil Testing |

Remark-




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🌐 www.ehsmatrix.co.in ✉️ ehsmatrixpune@gmail.com

TEST REPORT

| | | | |
|------------------------------|--|------------------------|------------|
| Report No: | EHSM/2022/Nov/R-748 | Issue Date | 16/11/2022 |
| Name and Address of Customer | Amendment Proposed residential development on survey and Hissa No. 135/3A, 138/1P, 138/2, 134/1A, 1B, 1C, 1D, 134/2, 138/1D, village-Chikhaloli, Badiapur, Mumbai M/s. Tharwani Constructions Pvt Ltd. | | |
| Sample Name | Waste water | Sample Name | STP Outlet |
| Date of Sampling | 07/11/2022 | Date of Sampling | 11.30 AM |
| Sampling Location | STP Plant | Sampling Location | APHA 1060 |
| Sampling done by | EHS Matrix Pvt Ltd, Pune | Sampling done by | 01 L |
| Start Date of Analysis | 09/11/2022 | Start Date of Analysis | 14/11/2022 |

Results

| Sr. No. | Parameters | Results | Unit(s) | MPCB Limits | Methods |
|---------|--|---------|---------|-------------|--|
| 1 | pH at 25°C | 7.1 | -- | N.S. | APHA 4500 H+ A, 23 rd Ed.2017 |
| 2 | Total Suspended Solids | <5.0 | mg/L | <50 | APHA 2540 D, 23 rd Ed.2017 |
| 3 | Biochemical Oxygen Demand at 27°C for 3 days | 11.3 | mg/L | <30 | IS 3025 (Part 44)-1993, Rev.1. |
| 4 | Chemical Oxygen Demand | 34.8 | mg/L | <100 | IS 3025 (Part 58):2006 |

Remark- All parameters are within the MPCB limit.




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(Director)

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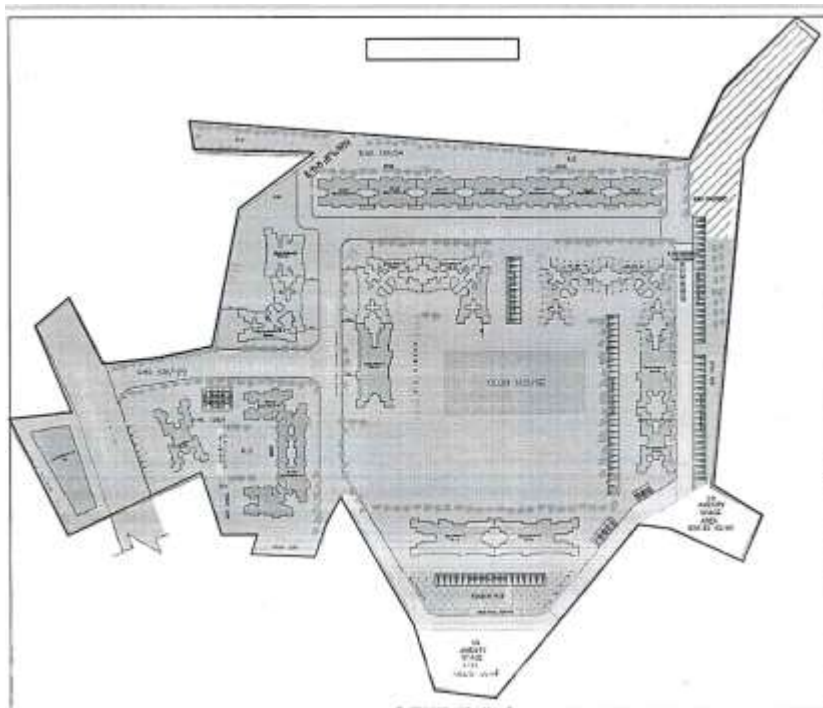
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ANNEXURE NO .16: LANDSCAPE WITH TREE DETAILS



- Required Recreational Garden (RG) Area: 4178.00 sq.mtr (10%)
- Proposed Recreational Garden (RG) Area: 11197.35 sq.mtr (31.74%)
- Total no.of trees: 626 nos.

NO OF TREES TO BE PLANTED

| Sr no. | Botanical Name | Common Name | Nos. |
|--------------|-------------------------------|------------------|------------|
| 1. | <i>Azadirachata indica</i> | Neem | 86 |
| 2. | <i>Areca catechu</i> | Areca palm | 83 |
| 3. | <i>Millingtonia hortensis</i> | Indian cork tree | 94 |
| 4. | <i>Polyalthia longifolia</i> | Mast tree | 99 |
| 5. | <i>Michelia Champaca</i> | Sonchapha | 66 |
| 6. | <i>Syzygium campanulantum</i> | Kelat paya | 25 |
| 7. | <i>Rosa</i> | Roses | 31 |
| 8. | <i>Roystonea regia</i> | Royal palm | 96 |
| 9. | <i>Plumeria obtusa</i> | White frangipani | 30 |
| 10. | <i>Mangifera indica</i> | Mango | 4 |
| 11. | <i>Syzygium aquem</i> | White Jamun | 4 |
| 12. | <i>Manikara zapoto</i> | chikoo | 4 |
| 13. | <i>Delonix regia</i> | Gulmohar | 4 |
| 14. | <i>Bauhinia blakeana</i> | Orchid Tree | 86 |
| 15. | <i>Cassia fistula</i> | Golden shower | 83 |
| 16. | <i>Khaya senegalensis</i> | Mahogany | 94 |
| Total | | | 626 |

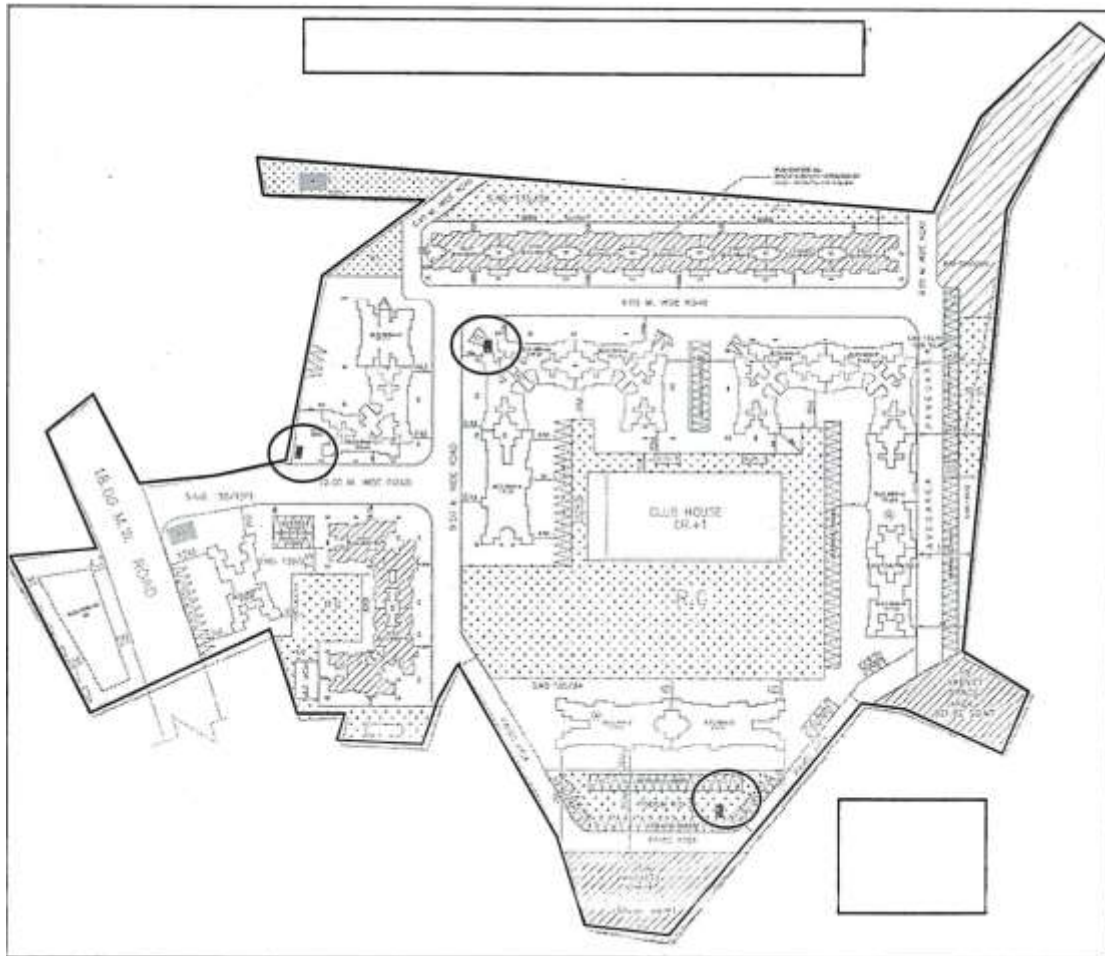
ANNEXURE NO .17: CORPORATE SOCIAL RESPONSIBILITY

| Sr No. | Description | Description |
|---------------|---|---------------------------------------|
| 1. | Name of the project | Meghna Montana |
| 2. | Cost of the project (Rs. In Cr) | Rs. 250 Cr |
| 3. | Effective cost of the project for CER consideration (Rs. In Cr.) | Rs. 250 Cr |
| 4. | Project Type (green/Brown) | Brown field project |
| 5. | Maximum % capital Investment /Additional capital investment as per OM vide F.No.- 22-65/2017-IAIII dated 1.05.2018 | - |
| 6. | CER % of Capital investment/Additional capital Investment | - |
| 7. | Cost of CER (in Rs.) | Rs. 25 Lakhs |
| 8. | District/Village in CER will be provided | AMC |
| 9. | NGO/Local body (Recommended by District collector) | As per Recommendations of SEAC |
| 10. | Duration of Allocation of fund for CER (in Years) | - |

ANNEXURE NO .18: BUDGETARY ALLOCATION AND EXPENDITURE FOR EMP

| Sr no. | Particulars | Capital cost (Rs. In Lakhs) | O& M cost (Rs. In Lakhs) |
|---------------|------------------------|--|---|
| 1. | STP | 143 | 36 |
| 2. | Solid waste management | 16 | 4.02 |
| 3. | Rain water Harvesting | 84 | 4.2 |
| 4. | Energy conservation | 46 | 5 |
| 5. | Landscaping | 15 | 2 |
| Total | | 304 | 51.22 |

ANNEXURE NO .19: ENERGY DETAILS



| | |
|--|------------|
| | DG SET |
| | SUBSTATION |

| | |
|-------------------------------------|-------------------------|
| Source : MSEDCL | |
| Connected load | 8730 kW |
| Maximum load | 5238 kW |
| No. of DG sets with capacity in KVA | 2x380 KVA & 1 x 125 KVA |

ENERGY SAVING CALCULATIONS

| Sr No. | DESCRIPTION | DEMAND LOAD KW | NO. OF HOUR | ENERGY CONSUMED BY CONVENTIONAL WAY KWH/DAY | ENERGY CONSUMED BY ENERGY SAVING DEVICES KWH/DAY | ENERGY SAVING KWH/DAY | SAVING % | REMARK |
|---------------------------------|-------------------------------------|----------------|-------------|---|--|-----------------------|------------|--------------------------------|
| 1. | Staircase and lobby area lightening | 19.00 | 12 | 228.00 | 0.00 | 228.00 | 100% | 100% Through solar PV Panel |
| 2. | Road and landscape lightening | 5.00 | 12 | 60.00 | 0.00 | 60.00 | 100% | 100% Through solar PV Panel |
| 3. | Parking area Lightening load | 6.00 | 12 | 72.00 | 28.80 | 43.20 | 60% | Using LED/CFL lights |
| 4. | Lift Load | 440.00 | 6 | 2640.0 | 2112.00 | 528.00 | 20% | VFD's Lifts |
| 5. | Flat equipment load | 6600.00 | 3 | 19800.00 | 18810.00 | 990.00 | 5% | Using BEE star rated equipment |
| 6. | gyser load | 900.00 | 1.2 | 1080.00 | 0.00 | 1080.00 | 100% | Using BEE star rated equipment |
| 7. | Shop | 33.00 | 8 | 264.00 | 211.20 | 52.80 | 20% | High efficient motor |
| 8. | Club house | 200.00 | 3 | 600.00 | 600.0 | 0.00 | 0% | High efficient motor |
| 9. | Plumbing load | 448.00 | 4 | 1792.00 | 1433.00 | 358.40 | 20 % | |
| 10. | STP | 50.00 | 12 | 600.00 | 480.00 | 120.00 | 20 % | |
| 11. | OWC | 30.00 | 8 | 240.00 | 240.00 | 0.00 | 0 % | |
| 12. | Total | 8731 | | 27376 | 29916 | 3460 | | |
| Total Energy Saving | | | | | | | 13% | |
| Solar saving (1)+(2)+(6) | | | | | | | 5% | |

ANNEXURE NO .20: STROM WATER DRAINAGE & RAINWATER HARVESTING

| (STROM WATER DRAIN SIZE CALCULATIONS) | | |
|---|--|--------------|
| Discharged .Q= R*A*P m ³ /Hr Where | | |
| a) | R= Max Intensity of Rainfall as 100 mm/hr | |
| b) | A= Area in sq. mtr | |
| c) | P= Impermeability factor | |
| | | Plot |
| DISCHARGE OF UNPAVED AREA | | |
| 1. | UNPAVED AREA | 2434 |
| a) | R= | 0.1 |
| b) | A= | 2434 |
| c) | P= | 0.3 |
| | Q1= | R*A*P |
| | Q1(m ³ /hr)= | 73.0 |
| | Q1(m ³ /Sec)= | 0.020 |
| DISCHARGE OF PAVED AREA | | |
| 2. | PAVED AREA | 21905 |
| a) | R= | 0.1 |
| b) | A= | 21905 |
| c) | P= | 0.85 |
| | Q1= | R*A*P |
| | Q1(m ³ /hr)= | 1862 |
| | Q1(m ³ /Sec)= | 0.517 |
| DRAIN SIZE CALCULATIONS FOR DRAINS | | |
| 1. | Total discharge from Unpaved area= (m ³ /sec) | 0.020 |
| 2. | Total discharge from paved area= (m ³ /sec) | 0.517 |
| 3. | Total discharge from Landscape area= (m ³ /sec) | 0.156 |
| | TOTAL ACTUAL DISCHARGED, Q= (m ³ /sec) | 0.693 |
| | Based on 2 No. of outlets Q= (m ³ /sec) | 0.346 |

| Surface Run off Calc for the plot (m³/Sec) | Plot |
|--|-------------|
| Paved area discharge =(m ³ /sec) | 0.517 |
| Unpaved area discharge = (m ³ /sec) | 0.020 |
| Landscape area discharge = (m ³ /sec) | 0.156 |
| Total Discharge upper catchment area= (m ³ /sec) | 0.056 |

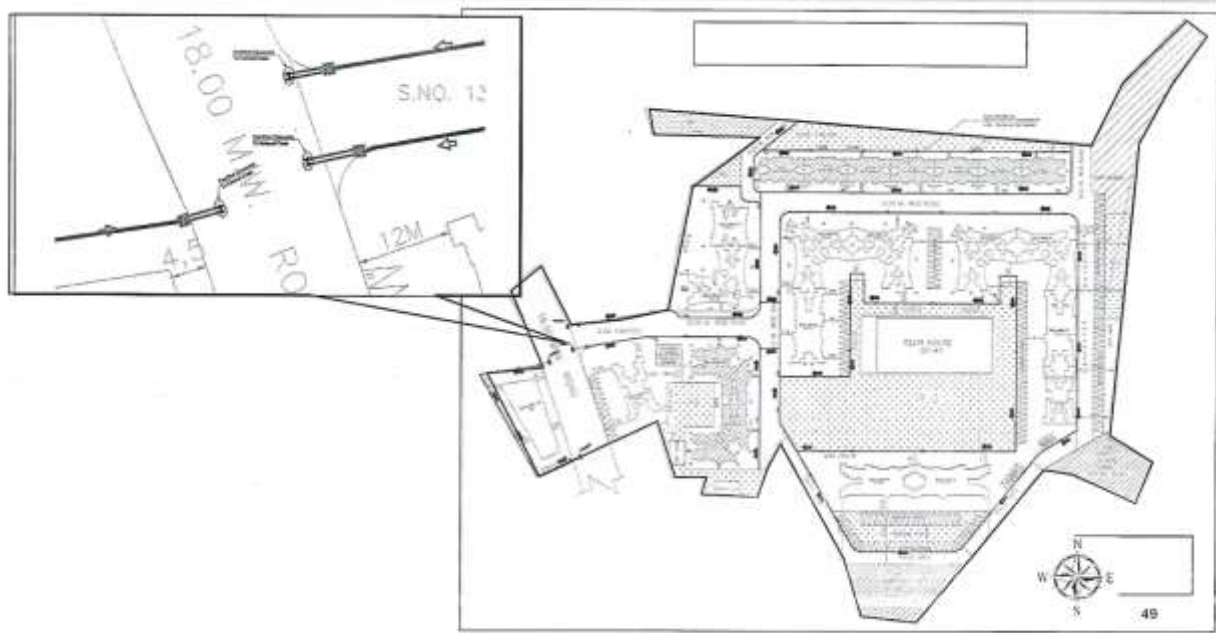
| DISCHARGE OF LANDSCAPE | |
|-------------------------------|--------|
| Landscape area | 11197 |
| R= | 0.1 |
| A= | 11197 |
| P= | 0.5 |
| Q1= | R*A*P |
| Q1(m ³ /hr)= | 559.85 |
| Q1(m ³ /Sec)= | 0.156 |

Upper Catchment Area

| | |
|---|---------------------|
| DISCHARGE OF upper catchment area | |
| upper catchment area | 6751 |
| R= | 0.1 |
| A= | 6751 |
| P= | 0.3 |
| Q1= | $R \cdot A \cdot P$ |
| Q1(m ³ /hr)= | 202.53 |
| Q1(m ³ /Sec)= | 0.056 |
| | |
| <u>Total Discharge from the plot area</u> | 0.693 |
| Discharge from upper catchment area | 0.056 |
| Cumulative discharge | 0.749 |
| Based on Two outlets | 0.375 |

| DISCHARGE DESIGN | |
|--|-------|
| Assume DRAIN CHANNEL | 0.600 |
| | 0.600 |
| Where B= Breadth of storm Water Drain in meters and D= Depth of Strom Water Drain in Meters Area | |
| A= | B*D |
| A= | 0.36 |
| Wetted Perimeter P= | B+2D |
| P= | 1.8 |
| | |
| Wetted Radius R = | A/P |
| R = | 0.200 |
| Slope 1:300 S= | 0.003 |
| n=Frictional Co efficient =0.013 | 0.013 |
| n= | 0.013 |
| Discharge by Manning's Formula $V = (1/n) \times (R)^{2/3} \times (S)^{1/2}$ | 1.51 |
| | |
| TOTAL DESIGN DISCHARGE $Q = A \times V$ | 0.54 |
| PROPOSED DRAIN CHANNEL B= | 0.60 |
| D= | 0.60 |
| Since Design Discharge is greater than Actual Discharge, Sizes of the drain designed is okay | |

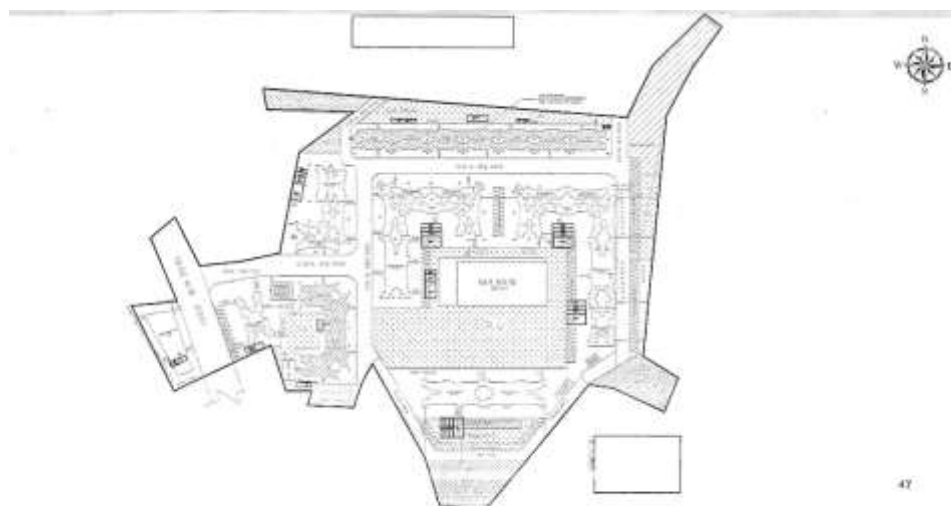
STROM WATER DRAINAGE LAYOUT



RAIN WATER HARVESTING CALCULATIONS

| Terrace Rainwater Harvesting Tank calc | WING A & B | WING C & C1 | WING D to J | WING M & L | WING N & O | WING P, Q, & R | WING S & T | WING A1 | WING A2 |
|--|------------|-------------|-------------|------------|------------|----------------|------------|---------|---------|
| A= Terrace area (A) in Sqm | 758 | 706 | 1365 | 749 | 726 | 974 | 772 | 233 | 461 |
| I= average rainfall/day in Mts | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| P= Impermeability factor | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Q= Rain water collection in cum | 22 | 20 | 39 | 21 | 21 | 28 | 22 | 7 | 13 |
| Q= Rain water collection in cum/2days | 43 | 40 | 78 | 43 | 41 | 56 | 44 | 13 | 26 |
| Total 9 Tanks of Capacity 384 cum (2 days) | | | | | | | | | |

RAIN WATER HARVESTING LAYOUT



ANNEXURE NO .21: DATA SHEET FOR ANNEXURE A, B, AND C

Monitoring the Implementation of Environmental Safeguards
Ministry of Environment, Forests & Climate Change Regional Office (W), Nagpur.
Monitoring Report
PART – I
DATA SHEET

Date: 1st Dec 2022

| | | | |
|----|--|---|--|
| 1. | Project type: River - valley/ Mining / Industry / Thermal / Nuclear / Other (specify) | : | Housing Project |
| 2. | Name of the project | : | Amendment of Residential project- Meghna Montana at Plot bearing S.No. 135/3A, 138/1P, 138/P, 138/2,134/1A, 1B, 1C, 134/2,138/1D at village –Chikhaloli by M/s. Tharwani Constructions Pvt Ltd. |
| 3. | Clearance letter (s) / OM No. and Date | : | Vide letter no. SEIAA-EC-0000002295 dated 15.01.2020 |
| 4. | Location | : | |
| | a. District (S) | : | Thane |
| | b. State (S) | : | Maharashtra |
| | c. Latitude/ Longitude | : | Latitude: 19°11'6.41"N Longitude: 73°13'29.47"E |
| 5. | Address for correspondence | : | M/s Tharwani Constructions Pvt ltd. Address: Tharwani Asterdale bldg., Office no 201; Near mid-Town empire bldg jhulelaal chowk Godrej hill road khadakpda, Kalyan West. Email Id: tharwaniconstructions@gmail.com |
| | a. Address of Concerned Project Chief Engineer (with pin code & Telephone / telex / fax numbers | : | Mr. Navin Raghani Address: Tharwani Meghna Montana, S.no.135/3, Near Sarvodaya Nagar chikhloli villege, Opp Dental college Ambernath-Badlapur road Ambernath west Telephone No.: - Mobile No.: - Email Id: tharwaniconstructions@gmail.com |
| | b. Address of Executive Project: Engineer/Manager (with pin code/ Fax numbers) | : | Same as above |
| 6. | Salient features | : | |
| | a. of the project | : | Annexure -A |
| | b. of the environmental management plans | : | Annexure -B |

| | | | |
|-----|---|---|---|
| 7. | Breakup of the project area | : | |
| | a. submergence area forest & non-forest | : | Project site is not a forest area. |
| | b. Others | : | Annexure - A |
| 8. | Breakup of the project affected Population with enumeration of Those losing houses/dwelling units Only agricultural land only, both Dwelling units & agricultural Land & landless labourers/artisan | : | Not Applicable |
| | a. SC, ST/Adivasis | : | Not Applicable |
| | b. Others (Please indicate whether these Figures are based on any scientific And systematic survey carried out Or only provisional figures, it a Survey is carried out give details And years of survey) | : | Not Applicable |
| 9. | Financial details | : | |
| | a. Project cost as originally planned and subsequent revised estimates and the year of price reference | : | 2500000000 |
| | b. Allocation made for environmental management plans with item wise and year wise Break-up. | : | Annexure – C |
| | c. Benefit cost ratio/Internal rate of Return and the year of assessment | : | - |
| | d. Whether (c) includes the Cost of environmental management as shown in the above. | : | Yes |
| 10. | Forest land requirement | : | |
| | a. The status of approval for diversion of forest land for non-forestry use | : | Not Applicable |
| | b. The status of clearing felling | : | Not Applicable |
| | c. The status of compensatory afforestation, if any | : | Not Applicable |
| | d. Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far | : | Not Applicable |
| 11. | The status of clear felling in Non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information | : | Not Applicable |
| 13. | Reasons for the delay if the Project is yet to start | : | Not Applicable |

| | | | |
|-----|---|---|---|
| 14 | Dates of site visits | : | |
| | a. The dates on which the project was monitored by the Regional Office on previous Occasions, if any | : | Not yet visited |
| | b. Date of site visit for this monitoring report | : | Site is not yet visited by MoEFCC-RO Nagpur office |
| 15. | Details of correspondence with Project authorities for obtaining Action plans/information on Status of compliance to safeguards Other than the routine letters for Logistic support for site visits | : | Not Applicable |
| | (The first monitoring report may contain the details of all the Letters issued so far, but the Later reports may cover only the Letters issued subsequently.) | : | - |

ANNEXURE – A

1. PROJECT DETAILS

| | | |
|---|---|---|
| Name & Location | : | Amendment of Residential project- Meghna Montana at Plot bearing S.No. 135/3A, 138/1P, 138/P, 138/2,134/1A, 1B, 1C, 134/2,138/1D at village –Chikhaloli by M/s. Tharwani Constructions Pvt Ltd. |
| Total no. of workers to be employed during the construction phase. | : | Total 89 workers. |
| Total Project cost | : | Rs. 2500000000 |
| Area Statement | : | Total Plot Area: 42580 Sq mtr Built Up Area as per FSI: 81,962.54 Sq mtr. Non FSI Area: 41,940.88 Sq mtr. (IOD No.: AMC/NRV/BP/19-20/849/8972/61 dated 26/09/2019) Total Construction area: 1, 23, 903.42 Sq mtr. R. G. Area on the ground: 11,197.35 sq. mtr. |
| Water Requirement and Sources | : | <u>During Construction Phase – AMC</u> For Construction: 10 KLD (Depending upon the activity). <u>During Operational Phase - AMC</u> Total Water Requirement.: 1070 KLD For Domestic: 676 KLD For Flushing: 338 KLD For Gardening: 56 KLD |
| Sewage generated | : | 946 m3/ day |

| | | |
|---|--------------------------------------|---|
| <p style="text-align: center;">Power</p> | <p style="text-align: center;">:</p> | <p><u>During Construction Phase -</u></p> <ul style="list-style-type: none"> • Source: MSEDCL • Demand Load:50 kW • DG Set as a power backup: 62.5 kW <p><u>During Operational Phase –</u></p> <ul style="list-style-type: none"> • Power Requirement: Connected load: 8730 kW Maximum Demand: 5238 kW • DG sets – 2 x 380 KVA & 1 x 125 KVA |
| <p style="text-align: center;">Gaseous emissions</p> | <p style="text-align: center;">:</p> | <ul style="list-style-type: none"> • Vehicle carrying materials to be transported must have PUC certificate. • Heavy vehicle movement will be allowed only during night time. • Construction equipments with idling control technologies will be used. • Regular maintenance of the equipments will be carried out. |
| <p>Solid waste from: Garbage: 1. Wet 2. Dry</p> | <p style="text-align: center;">:</p> | <ul style="list-style-type: none"> • Total solid waste: 3,777 kg/day • Biodegradable waste: 2259 kg/day • Non- biodegradable waste: 1518 kg/day • STP sludge (Dry sludge) : 47 kg/day |

ANNEXURE - B

ENVIRONMENT MANAGEMENT PLAN – CONSTRUCTION PHASE

| Sr no. | Media | Aspect | Mitigation measures | Implementation Schedule | Responsibility |
|--------|-------------------------|--|--|---|--|
| 1. | Air | Dust mitigations from excavation, material handling and other construction activities. | <ul style="list-style-type: none"> Provision of spraying water to reduce dust emission on roads. Excavated topsoil to be preserved and reused for the landscaping. The amount of exposed ground and stock piles will be minimized so that re suspension due to wind and subsequent dust fall is prevented. Ensuring all vehicles, generators and compressors are well maintained and regularly serviced. | Three times in peak construction activity in Summer season. Before construction activity storage area shall be constructed. | Site engineer Project proponent/site contractor |
| 2. | Noise | Noise generated from construction activities, operation of construction equipment and traffic. | <ul style="list-style-type: none"> Use of Well-maintained equipment fitted with silencers. Providing noise shields near heavy construction operations. Use of personal protective Equipment (PPE) like ear muffs and ear plug for workers during construction activities | Prior to construction activity of proposed Building | Project proponent/site contractor |
| 3. | Water | Surface runoff from project site, Oil/ fuel and waste spills, Improper debris disposal/sewage disposal | <ul style="list-style-type: none"> Sewage generated from construction labours for proposed building shall be treated in mobile STP, NO labour Camps are proposed. Silt traps and other measures such as additional onsite diversion ditches will be constructed to control surface run off during site development. Oil and Grease traps for parking bays. | Prior to start Structure Work (Peak Construction activity) | Site Engineer/Safety officer |
| 4. | Landuse and Aesthetics | Land use is residential and project proposed is Residential | Green Belt development with trees and of RG area | During Construction activity | Project Proponent |
| 5. | Soil | Construction activity leading to topsoil removal and erosion. | Excavation only for foundation for proposed building. Top soil Shall be used for Landscaping. | At the time of foundation activity and site preparation | Site Engineer |
| 6. | Ecology flora and fauna | <ul style="list-style-type: none"> Disposal of construction and demolition Debris Contamination of soil due to leakage of oil from vehicles. | Construction debris will be collected and suitably used on site as per construction waste management plan. Effective measures will be taken to prevent leakage of oil | During Construction | Project proponent |

ENVIRONMENT MANAGEMENT PLAN – OPERATION PHASE

| Sr. no | Media | Aspects | Mitigation Measures | Implementation Schedule | Responsibility |
|--------|--------------------------|---|--|---|---|
| 1. | Air | Emissions from vehicular traffic in operations | <ul style="list-style-type: none"> • Providing separate entry and exit points • Reduce idling rime in parking space. • Proper management of traffic movement in and out of parking area and at intersection with the external roads. • Plantation with specific species to be provided reducing SPM levels. • DG set shall be provided with stack height as per CPCBA norm. | Before handing over to end user | Project proponent |
| 2. | Noise | Noise from D.G sets, vehicle movement. | DG sets with acoustic enclosure. Maximum sound pressure level shall be 75 dB (A) at 1 meter from the enclosure surface as per the CPCB standards. | Before handing over to end user | Project proponent |
| 3. | Water | Sewage discharge to sewer line/recycled after treatment as per PCB norms | Total sewage generation shall be 94.6 KLD capacity. Monitoring of STP inlet and outlet at regular interval. Recycling of treated waste water for flushing and landscaping. | Throughout the life cycle of project | First 3 years PP and then Society |
| 4. | Soil | Storage and disposal of solid waste, discharge of sewage, fuel and material spills. | OWC with segregation area to process the Biodegradable waste for manure generation. Excess treated water will be drained in Municipal sewer. | Before handing over to users and throughout the life cycle of project | Project proponent/housing society after 3 years |
| 5. | Ecology, flora and fauna | Change in land cover. | 11197.35 Sq.m of RG area with 3582 No. of trees (mainly local species) | At least 80% landscape development and tree plantation during Construction phase of the project | Project proponent |

ANNEXURE - C

Budgetary Allocation for Environmental Management Plan

| Sr no. | Particulars | Capital cost (Rs. In Lakhs) | O& M cost (Rs. In Lakhs) |
|---------------|------------------------|--|---|
| 1. | STP | 143 | 36 |
| 2. | Solid waste management | 16 | 4.02 |
| 3. | Rain water Harvesting | 84 | 4.2 |
| 4. | Energy conservation | 46 | 5 |
| 5. | Landscaping | 15 | 2 |
| Total | | 304 | 51.22 |