# STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

**Environment department,**
**Room No. 217, 2nd floor,**
**Mantralaya, Annexe,**
**Mumbai- 400 032.**
**Date:July 23, 2019**

To,
**Damodar Vaman More & Others Though its POA Ashvin Laxman Patel Director of Thalia Labha Home Pvt Ltd & Partner of Thalia Labha Builders & Thalia Vastu Infra Projects**
at At village Chambharli ,Khalapur. Gut No. 15, 16, 17/1A ,17/2

**Subject:** Environment Clearance for Environment Clearance for Vrindavan Flora- Phase- 1 ON GUT NO. 15, 16, 17/1A ,17/2 AT-CHAMBHARLI, TAL -KHALAPUR , DIST -RAIGAD

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 90th 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 170th meetings.

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

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

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|---|---|
| **1.Name of Project** | Vrindavan Flora- Phase- 1 ON GUT NO. 15, 16, 17/1A ,17/2 AT-CHAMBHARLI, TAL -KHALAPUR , DIST -RAIGAD |
| **2.Type of institution** | Private |
| **3.Name of Project Proponent** | Damodar Vaman More & Others Though its POA Ashvin Laxman Patel Director of Thalia Labha Home Pvt Ltd & Partner of Thalia Labha Builders & Thalia Vastu Infra Projects |
| **4.Name of Consultant** | Mr. Hrushikesh Kolatkar Building Environment India Pvt. Ltd. Head Office: Dakshin Building, Office No-401,4th Floor, Beside Raigard Bhavan, Sakal Bhavan Rd, Sector 11, CBD Belapur, Navi Mumbai, Maharashtra 400614 |
| **5.Type of project** | Housing |
| **6.New project/expansion in existing project/modernization/diversification in existing project** | Expansion Construction |
| **7.If expansion/diversification, whether environmental clearance has been obtained for existing project** | Not applicable |
| **8.Location of the project** | At village Chambharli ,Khalapur. Gut No. 15, 16, 17/1A ,17/2 |
| **9.Taluka** | Khalapur |
| **10.Village** | Chambharli |
| **Correspondence Name:** | Ashvin L. Patel- POAH |
| **Room Number:** | Shop No. 5, |
| **Floor:** | Ground floor |
| **Building Name:** | Landmark |
| **Road/Street Name:** | -- |
| **Locality:** | Plot No. D2, Sector-12,Kharghar |
| **City:** | Navi Mumbai - 410206 |
| **11.Whether in Corporation / Municipal / other area** | SPA MSRDC |

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| | |
|---|---|
| **12.IOD/IOA/Concession/Plan Approval Number** | It is MMR region,DCR is under MMR region There is no provision of LOI/IOD CC is obtained after getting EC |
| | **IOD/IOA/Concession/Plan Approval Number:** Gut no. 16. MH/LNA1(B)/SR423/2011, (Dt. 10/12/2012), Gut No. 16 MSRDC/SPA/ CHAMBHARLI/ KHALAPUR/ BP03/CC/2017/268, (Dt. 27/03/2017), Gut No. 15, 16, 17/1A ,17/2 RDC/SPA/ CHAMBHARLI/ KHALAPUR/ BP126/CC/2018/554,(Dt.1/06/2018) |
| | **Approved Built-up Area:** 12725.426 |
| **13.Note on the initiated work (If applicable)** | Building No. 1 construction carried out up to plinth Area = 469.995 Sq. m, Building No. 2 construction carried out up to plinth Area = 780.059 Sq. m, Building No. 3 construction completed Area = 4249.082 Sq. m, Building No. 4 construction carried out up to G+7(finishing work in progress) = 2699.808 Sq. m |
| **14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)** | It is MMR region,DCR is under MMR region There is no provision of LOI/IOD. CC is issued after getting EC |
| **15.Total Plot Area (sq. m.)** | 16155 Sq.m |
| **16.Deductions** | 531.923 Sq.m (RP road area) |
| **17.Net Plot area** | 15623.077 Sq.m |
| **18 (a).Proposed Built-up Area (FSI & Non-FSI)** | **FSI area (sq. m.):** 20744.657 |
| | **Non FSI area (sq. m.):** 10704.604 |
| | **Total BUA area (sq. m.):** 31449.261 |
| **18 (b).Approved Built up area as per DCR** | **Approved FSI area (sq. m.):** 12725.426 |
| | **Approved Non FSI area (sq. m.):** 7012.516 |
| | **Date of Approval:** 22-02-2019 |
| **19.Total ground coverage (m2)** | 3560.586 |
| **20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)** | 22.78 |
| **21.Estimated cost of the project** | 480355200 |

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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** | MIDC |
| | **Fresh water (CMD):** | 206 |
| | **Recycled water - Flushing (CMD):** | 103 |
| | **Recycled water - Gardening (CMD):** | Gardening 10+ Car washing 1.2 |
| | **Swimming pool make up (Cum):** | NIL |
| | **Total Water Requirement (CMD) :** | 320 |
| | **Fire fighting - Underground water tank(CMD):** | As per fire NOC |
| | **Fire fighting - Overhead water tank(CMD):** | As per fire NOC |
| | **Excess treated water** | 136 |
| **Wet season:** | **Source of water** | MIDC |
| | **Fresh water (CMD):** | 206 |
| | **Recycled water - Flushing (CMD):** | 103 |
| | **Recycled water - Gardening (CMD):** | Gardening 0 + Car Washing 1.2 |
| | **Swimming pool make up (Cum):** | NIL |
| | **Total Water Requirement (CMD) :** | 310 |
| | **Fire fighting - Underground water tank(CMD):** | As per fire NOC |
| | **Fire fighting - Overhead water tank(CMD):** | As per fire NOC |
| | **Excess treated water** | 146 |
| **Details of Swimming pool (If any)** | N/A | |

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## 24.Details of Total water consumed

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

| | | |
|---|---|---|
| **25.Rain Water Harvesting (RWH)** | **Level of the Ground water table:** | 2-3 m |
| | **Size and no of RWH tank(s) and Quantity:** | No. of Tanks = 6, Total Capacity = 52 Cubic Meter |
| | **Location of the RWH tank(s):** | Underground |
| | **Quantity of recharge pits:** | Not applicable |
| | **Size of recharge pits :** | Not applicable |
| | **Budgetary allocation (Capital cost) :** | 12 lakhs |
| | **Budgetary allocation (O & M cost) :** | 0.6 lakhs |
| | **Details of UGT tanks if any :** | 5 U.G Tanks for Domestic Water, total capacity = 272.65 Cubic Meter<br>5 U.G Tanks for Flushing Water, total capacity = 136.68 Cubic Meter<br>6 RWH Tank, Total Capacity = 50.7 Cubic Meter |
| **26.Storm water drainage** | **Natural water drainage pattern:** | As Per Natural Drainage Pattern |
| | **Quantity of storm water:** | -- |
| | **Size of SWD:** | 600mm,500mm,100mm |
| **27.Sewage and Waste water** | **Sewage generation in KLD:** | 278 |
| | **STP technology:** | RMBR |
| | **Capacity of STP (CMD):** | No. 1, 280 KLD |
| | **Location & area of the STP:** | Underground, 150 Sq. m |
| | **Budgetary allocation (Capital cost):** | 36.5 lakhs |
| | **Budgetary allocation (O & M cost):** | 8.5 lakhs |

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## 28.Solid waste Management

| | | |
|---|---|---|
| **Waste generation in the Pre Construction and Construction phase:** | **Waste generation:** | 114 T per year |
| | **Disposal of the construction waste debris:** | Construction waste will be disposed according to C&D waste rules 2016 |
| **Waste generation in the operation Phase:** | **Dry waste:** | 0.31 TPD |
| | **Wet waste:** | 0.80 TPD |
| | **Hazardous waste:** | Waste Oil From D.G Sets |
| | **Biomedical waste (If applicable):** | Not applicable |
| | **STP Sludge (Dry sludge):** | 0.07 TPD |
| | **Others if any:** | Not applicable |
| **Mode of Disposal of waste:** | **Dry waste:** | Handover to authorized vendor |
| | **Wet waste:** | OWC |
| | **Hazardous waste:** | Will be disposed as per Hazardous Waste Rules, 2016. Disposed off through Mumbai Waste Management |
| | **Biomedical waste (If applicable):** | Disposed off through authorized agency |
| | **STP Sludge (Dry sludge):** | composted and then used as manure is landscape area |
| | **Others if any:** | Nil |
| **Area requirement:** | **Location(s):** | Ground Level |
| | **Area for the storage of waste & other material:** | as below |
| | **Area for machinery:** | 85 sq.m |
| **Budgetary allocation (Capital cost and O&M cost):** | **Capital cost:** | 18 Lakhs |
| | **O & M cost:** | 3 Lakhs |

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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 |

## 32.Details of Fuel to be used

| Serial Number | Type of Fuel | Existing | Proposed | Total |
|---|---|---|---|---|
| 1 | Not applicable | Not applicable | Not applicable | Not applicable |
| 33.Source of Fuel | | Not applicable | | |
| 34.Mode of Transportation of fuel to site | | Not applicable | | |

## 35.Energy

| | | |
|---|---|---|
| **Power requirement:** | **Source of power supply :** | MSEDCL |
| | **During Construction Phase: (Demand Load)** | 100kw |
| | **DG set as Power back-up during construction phase** | 62.5 KVA |
| | **During Operation phase (Connected load):** | 4393KVA |
| | **During Operation phase (Demand load):** | 1043Kva |
| | **Transformer:** | 2x630KVA |
| | **DG set as Power back-up during operation phase:** | 50 KVAx2 |
| | **Fuel used:** | Diesel |
| | **Details of high tension line passing through the plot if any:** | NOC Attached (Gut No.16) NOC No.- EE/EHV/Panvel/ 1011 |

## Energy saving by non-conventional method:

Energy saving through solar street lightening and Solar panels

## 36.Detail calculations & % of saving:

| Serial Number | Energy Conservation Measures | Saving % |
|---|---|---|
| 1 | Energy saving using Solar panels | 52KVA |

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## 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.31.20 lakhs |
| | **O & M cost:** | Rs.1.56lakh/yr |

## 38.Environmental Management plan Budgetary Allocation

### a) Construction phase (with Break-up):

| Serial Number | Attributes | Parameter | Total Cost per annum (Rs. In Lacs) |
|---|---|---|---|
| 1 | Suspended particles | Water spray For Dust Suppression | 3.00 |
| 2 | Sanitation | Site sanitation and Potable Water Supply to Labour | 10.0 |
| 3 | Environmental Monitoring | Environmental Monitoring (As per the CPCB guidelines through MoEF&CC Approved laboratories) | 4.0 |
| 4 | excavation/construction waste | Health check-up & first aid | 1.0 |
| 5 | Safety Personal Protective Equipment | Safety Personal Protective Equipment (Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves, Safety nets etc.) | 5.0 |
| 6 | Traffic Management | Traffic Management (Sign Boards, Persons at entry exit and Parking area) | 2.5 |
| 7 | Storm water Management | Storm water Management, construction of Storm water drainage network from project site to State highway. | Included in civil cost |
| 8 | Safety Training to Workers | Safety Training to Workers (Twice in Year), Safety Officer | 3.0 |
| 9 | Disinfection | Disinfection | 1.0 |
| 10 | Debris & construction waste | Debris & construction waste | 3.0 |
| 11 | DMP | DMP | 5 |
| 12 | EM cell | EM cell | 5 |
| 13 | Total Cost | --- | 106.5 |

### b) Operation Phase (with Break-up):

| Serial Number | Component | Description | Capital cost Rs. In Lacs | Operational and Maintenance cost (Rs. in Lacs/yr) |
|---|---|---|---|---|
| 1 | sewage treatment | Sewage Treatment Plant | 36.50 | 3.6 |

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|---|---|---|---|---|
| 2 | Solid Waste Management | Solid Waste Management | 18 | 3 |
| 3 | Rain Water Management | Rain Water Harvesting | 12 | 0.6 |
| 4 | RG Area | Green Belt | 4.5 | 1.15 |
| 5 | Energy Saving | Energy Saving features | 31.20 | 2.0 |
| 6 | Fire Fighting measures | Fire Fighting measures | Covered in Construction phase | 15 |
| 7 | Monitoring of Environmental Parameters | Monitoring of Environmental Parameters | -- | 3.5 |
| 8 | Environment monitoring cell | Environment monitoring cell | -- | 4.9 |
| 9 | TOTAL | -- | 98 | 16.98 |

## 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:** | Not applicable |
| | **Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries** | Not applicable |
| | **Category as per schedule of EIA Notification sheet** | 8B 2 |
| | **Court cases pending if any** | Not applicable |
| | **Other Relevant Informations** | Not applicable |
| | **Have you previously submitted Application online on MOEF Website.** | Yes |
| | **Date of online submission** | 01-06-2018 |

**3. The proposal has been considered by SEIAA in its 170th 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:**

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| **I** | The project considered out of turn on the basis of PMAY project. PP to submit self-declaration clearly specifying project is part of the PMAY scheme of Housing Department. |
| **II** | PP to construct PMAY portion first as project considered on priority for the said scheme. |
| **III** | PP to submit & upload the copy of acknowledgement for plan having potential of 28324 Sq.m. submitted to local planning authority. |
| **IV** | PP to submit the architect certificate for construction done on site. |
| **V** | PP to follow direction given by Deputy Forest conservator, Alibag |
| **VI** | PP to submit the details regarding RG area along with area beneath the High tension line. |
| **VII** | PP to submit MIDC NoC for water supply. |
| **VIII** | Committee noted that, there is no existing sewer line, storm water line, PP to ensure that no possession shall be given before completion of the sewer lines and permission for the connection to the same by the competent authority. Local body to ensure the same. Local body to also ensure that no commencement & occupation certificate is given to the project until sewer lines and storm water is developed and connected to the project. |
| **IX** | PP to submit surplus treated water disposal plan. |
| **X** | PP to submit calculation of RMC plant. |
| **XI** | PP shall operate and maintain Environmental Management Facilities (EMF) including STP & fire- fighting system for 5 years after giving possession and shall also generate corpus fund for next 5 years. |
| **XII** | PP to submit design of storm water drain (Size, network etc...) and also ensure that the storm water drain of project will be connects to the state high way storm water drain. |
| **XIII** | PP to clearly earmark the fire tender movement for each building. |
| **XIV** | PP to upload the history & chronology of the project including its PMAY status. |
| **XV** | PP to upload the plan submitted to the MSRDC- special planning authority. |
| **XVI** | PP informed that, NoC from Maharashtra State Electricity Transmission Co. Ltd(Mahatransco) received regarding high tension line. PP toensure that no activity should be carried out upto 30 mt from high tension line. |

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| **XVII** | Committee noted that there is no sewer line and storm water drainage network of local body/planning authority around the site. The PP is instructed to ensure that BOD of STP should be less than 5 and that no surplus water of STP is discharged in river or any natural drainage by him. The PP ensured that there will be zero discharge from this project as all surplus water will be used in his upcoming big project in the adjoining land. The PP to upload undertaking to this effect. The surplus water of STP will ultimately get connected to sewage treatment/Sewer line network of local body/planning authority due to be completed in due course. The planning authority not to grant OC till zero discharge arrangements are made or the surplus water, if any, is connected to sewer network of planning authority which may be coming up in due course. |
| **XVIII** | The PP to upload Storm water design and its calculations. |
| **XIX** | PP to ensure that RG should be minimum 10 % & it should be on mother earth. PP to upload revised RG statement along with plan. |
| **XX** | PP to ensure ECBC norms are complied. |
| **XXI** | PP to submit CER as per MoEF&CC circular dated 1.5.2018 relevant to the area and people around the project or Environment Department may direct PP to undertake CER work in identified area, as identified by Environment Department. |
| **XXII** | 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. |
| **XXIII** | PP to submit CER plan to collector, and submit the acknowledgement copy to Member Secretary, SEIAA. |
| **XXIV** | PP to ensure every house /flat should have thermal water heater. |
| **XXV** | SEIAA decided to grant EC for: FSI: 18271.579 m2, Non FSI: 9191.00 m2 & Total BUA: 2749.579 m2. (IOD no. MSRDC/SPA/Chambharli/Khalapur/BP-126/CC 2019/612, Approval Date-18.06.2019) |

**General Conditions:**

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|---|---|
| **I** | E-waste shall bedisposed 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. |
| **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. |

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| **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 Environments (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 affluent, 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 affluent, 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. |
| **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. |

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| **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. SO2, NOx (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, 1stFloor, 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.** SECRETARY MOEF & CC

**2.** IA- DIVISION MOEF & CC

**3.** MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI

**4.** REGIONAL OFFICE MOEF & CC NAGPUR

**5.** REGIONAL OFFICE MPCB RAIGAD

**6.** REGIONAL OFFICE MIDC RAIGAD

**7.** MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD

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Government of Maharashtra