
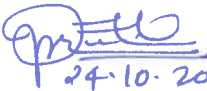


| Name of work: Construction of Indian Institute of Science Education & Research (IISER TVM) |   |  |
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| Campus at Sy.No. 2316/3, Vithura Village, Nedumangad Taluk, Thiruvananthapuram             |   |  |
| Environmental Clearance (EC) from MoEF, GOI, New Delhi                                     |   |  |
| Six monthly Compliance report for the period ending on 30.09.2024                          |   |  |
| Sl No  | Terms & Conditions/Stipulated   | Status   |
| 1  | Consent from K.S.P.C.B to be submitted to MoEF  | "Consent to Establish" was sent to MoEF, GOI, New Delhi on 16.09.2010  |
| 2  | Advertisement in two local dailies (One in vernacular language) to be made withing 10 days and a copy of the same to be forwarded to RO of the MoEF | 1. Environmental Clearance published in (a)Indian Express (All Kerala) on 01.09.2010 and (b)Kerala Kaumadi (All Kerala) on 01.09.2010<br>2. Copy of same was sent to RO, MoEF, Bangalore on 22.09.2010 |
| 3  | Copy of the EC letter to be sent to vithura Grama Panchayat and to be put on website of IISER   | 1. A copy of EC was sent to Vithura Grama Panchayat on 27.08.2010 and<br>2. Placed on IISER's website  |
| 4  | Complete set of documents submitted to MoEF to be forwarded to RO of MoEF   | A complete set of EIA documents forwarded to Regional Officer, MoEF, Bangalore on 22.09.2010   |
| 5  | Disposal of hazardous waste during construction - Approval from K.S.P.C.B to be obtained  | No hazardous waste is produced   |
| 6  | Treated Waste Water shall be recycled and reused for flushing of toilets, horticulture and HVAC works   | Treated water from 400 KLD STP is used for horticulture  |
| 7  | Biomedical waste disposal scheme to be evolved, copy of MoU signed with the recycler to be furnished to MoEF  | Disposed through Indian Medical Association (IMA)  |
| 8  | Construction of labour housing/facilities   | No labour colony within the Campus   |
| 9  | All top soil excavated during construction should be used for horticulture/ landscaping.  | All the topsoil excavated during construction is preserved properly and is being used for horticulture/ landscaping  |
| 10   | Disposal of construction debris   | Construction debris will be disposed without creating any adverse effect on neighbouring communities. All precautions for general safety and health aspects of the people are taken care of.           |
| 11   | Testing of Soil & ground water samples  | Testing of samples is being carried out for the four seasons   |
| 12   | Storing of hazardous construction material  | All precautions as per standards were taken for storing of hazardous construction material with the approval of the concerned Authorities  |

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| 13 | DG to confirm to EP rules for Air & noise emission standards   | DG confirms to EP rules for Air & Noise emission standards   |
| 14 | Ambient noise levels to be of resident standards- Periodical monitoring & measures taken for reducing it found high.   | NABL accredited agency has been entrusted for monitoring Noise level at 5 locations covering four seasons using IEC criteria and also monitoring Ambient air quality as per CPCB stipulations at 5 locations, covering four seasons. |
| 15 | RMC to be used for construction  | All contractors are using RMC only   |
| 16 | Use of GW- Permission from competent authority to be obtained  | Permission obtained on 19.04.2011.   |
| 17 | Separation of Grey & black water   | Implemented  |
| 18 | Fixtures for showers/toilets flushing & drinking to use aerators/ pressure reducing devices/ sensors based control   | Implemented  |
| 19 | Roof to meet requirements as per ECBC norms  | Followed   |
| 20 | Opaque wall to meet ECBC norms   | Implemented  |
| 21 | Approval from Competent Authority for structural safety of buildings   | IIT, Delhi entrusted with the job of proof checking to ensure structural safety of all designs provided by the Architect   |
| 22 | Height of stack of DG sets should be the height needed considering combined capacity of all the DG sets & location of DG sets to be decided in consultation with K.S.P.C.B | Norms have been followed in the erection of DG sets  |
| 23 | Monitoring of noise levels   | NABL accredited agency has been entrusted for monitoring Noise level at 5 locations covering four seasons using IEC criteria   |
| 24 | Raising of green belt along the periphery  | Action initiated with Kerala Forest Department. More than 1500 saplings have already been planted and many more in the scheme  |
| 25 | Pretreatment of rain water before recharge   | Implemented  |
| 26 | Monitoring of GWL & its quality in consultation with CGWA  | Implemented  |
| 27 | Report on energy conservation measures to be furnished to the ministry in three months time  | Report on energy conservation measures already submitted   |
| 28 | Treated effluent from STP to be recycled/reused for flushing/ HVAC to the maximum extent   | Treated effluent from 400 KLD STP is being used for horticulture activities  |
| 29 | Treatment of 100% grey water   | Implemented  |
| 30 | A/C system to be atleast 3 star rating   | Strictly adhering  |

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| 31   | Solar Energy to be used to the maximum extent  | 25 KW capacity solar installed & solar water heater installed in Hostels, Residence Blocks and Guest House                              |
| 32   | Adequate measures to prevent odour problem from STP  | Implemented   |
| 33   | STP- To be certified by an independent expert- Report to be submitted to MoEF before commissioning.  | Cochin University of Science and Technology has been assigned with the task Report will be submitted upon receiving from the consultant |
| 34   | Collection & Disposal of SW. Wet garbage to be composted & dry/inert SW to be disposed   | Biogas plant implemented in Central Dining Hall   |
| 35   | Collection of used CFLs/TFLs and their disposal  | Implemented   |
| 36   | Six monthly reports on the status of compliance to be sent to MoEF, RO, ZO, CPCB & KSPCB   | Being complied with   |
| 37   | Uploading of status of compliance of EC conditions in the website of IISER, periodically   | shall be done   |
| 38   | Environmental statement on form V for each financial year to be submitted to K.S.P.C.B and to be put on website/to be sent by e-mail to RO of MoEF | Being an academic institution Form V is not applicable  |
| <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;">  </div> <div style="text-align: right;"> <br/> 24.10.2024<br/> Project Engineer Cum Estate Officer (I/C)<br/> IISER TVM </div> </div> |  |   |

