| **Environment Management Plan** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No** | **Environmental Aspect** | **Management Issues to be considered** | **Details of activity to be performed** | **Responsibility/official** | **Time line or completion date** | **Evidence/Verification** | **Remarks** |
| **1.** | **Drinking Water** | Cleaning and repair of tanks (all overhead tanks) in the premises | Cleaning & Repair | Estate Engineer | completed already | Oder Copy enclosed No. NIT/P&D/2018/1696 Dated: 30-10-2018 |  |
|  |  | Testing of water from all taps/ water tanks | Source P.H.E Department, Govt J&K | Estate Engineer |  |  | Testing Being done by P.H.E Department itself |
|  |  | Water cooling system cleaning and Maintenance |  |  |  |  |  |
|  |  | Annual maintenance of water purification system |  |  |  |  |  |
| **2.** | **Sanitation** | Regular Cleaning of toilets in both the academic institution and the hostels |  |  |  |  |  |
|  |  | Maintenance of fittings and fixtures in academic and residential blocks |  |  |  |  |  |
|  |  | Maintenance of drain pipes and sewerage mains (if available) |  |  |  |  |  |
|  |  | Annual Maintenance of any waste water treatment system |  |  |  |  |  |
|  |  | Checking and maintenance of septic tanks |  |  |  |  |  |
|  |  | Linking internal drains to the main municipal drain |  |  |  |  |  |
| **3.** | **Drainage** | Cleaning of Stormwater drains |  |  |  |  | Occationally done by LAWDA (Govt. Of J&k) |
|  |  | Repair of Stormwater drains |  |  |  |  |
|  |  | Repair of down water pipes in buildings |  |  |  |  |  |
| **4.** | **Wastewater from laboratories** | Preliminary treatment of wastewater before it is discharged in the drain. |  |  |  |  | Wastewater is discharged into LAWDA STPs Before discharged into Dal lake |
| **5.** | **Barrier free Access** | Ramps provided in every buildings and conforming to National Building Code | Ramps are already provided in most of the buildings | Estate Engineer | To be completed remaining buildings by 2020 |  |  |
|  |  | All faculties have classrooms on the ground floor |  |  |  |  | Mostly taken care of already |
| . |  | All building have specially designed toilets on the ground floor for the physically challenged and they conform to National Building Code |  |  |  |  | Generally buildings are complient for diversity usage |
| **6.** | **Solid Waste (Canteen)** | Segregation of bio-degradable and non-bio degradable waste |  |  |  |  |  |
|  |  | Treatment of the bio-degradable waste |  |  |  |  |  |
|  |  | Use of the compost |  |  |  |  |  |
| **7.** | **Solid Waste ( MSW Campus)** | Collection System (using two bin) and regular clearing of the bins |  |  |  |  |  |
|  |  | Disposal System of the MSW |  |  |  |  |  |
| **8.** | **E-Waste** | Management of e-Waste as per the E-waste (Management) Rules 2016 |  |  |  |  |  |
| **9.** | **General Electrical Safety** | Electrical Safety Audit of the campus (including, classroom, laboratories and hostel) | Almost all the buildings in campus are well earthed and protected with necessary protector | Executive Engineer | Likely y 2021 |  |  |
|  |  | Electrical Maintenance of the entire campus | Electrical Maintenance is recurring process and buildings are getting |  |  |  |  |
| **10.** | **Laboratory Safety** | Laboratory Safety Audit | A laboratory Safety Audit would be conducted covering electrical, mechanical, OHS and ergonomic aspects |  |  |  |  |
|  |  | Development of the Laboratory Safety plan |  |  |  |  |  |
| **11.** | **Fire Safety** | Fire Safety Audit of the Campus (covering all classrooms , laboratories, hostels and canteens) | Water storage supply, fire hydrants to be located at suitable places | Estate Engineer | Likely by 2022 | Fire service audit conducted and report received by joint director ( Fire & Emergency services, Govt.J&k  Vide no.: JDFRES-K/Fprv/2019/516-17  Dated:30.01.2019 |  |
|  |  | Procurement of Fire safety apparatus : extinguishers, risers, hooters and alarms. |  |  |  |  |  |
|  |  | Fire Signage’s |  |  |  |  |  |
| **12.** | **Occupational Health and Safety** | OHS Audit in Laboratory |  |  |  |  |  |
|  |  | Procurement of OHS equipment for the laboratory |  |  |  |  |  |
| **13.** | **Construction Safety** | Workers Safety |  |  |  |  |  |
|  |  | Insertion of OHS provision in Construction Contacts. |  |  |  |  |  |
|  |  | Provisions of Sanitation for Construction workers |  |  |  |  |  |
|  |  | Segregation of the construction area from the academic areas |  |  |  |  |  |
|  |  | Legal Compliance to the Building and Construction Workers Act |  |  |  |  |  |
| **14.** | **Construction and Demolition Waste Management** | Inclusion of Construction & Demolition Waste Management in Construction Contract |  |  |  |  |  |
|  |  | Enforcement of the Construction and demolition waste management |  |  |  |  |  |
| 15. | Energy Conservation | LED Lighting and Fixtures | Almost all Incandescent Lamps have been replaced by LED lamps | Executive Engineer Electrical |  |  |  |
|  |  | Solar Installation (on grid and off grid) | Sanctioned and is in process |  |  |  |  |
|  |  | Auto shutoff switches in rooms corridors and common areas | Yet to be done |  |  |  |  |
|  |  | Solar water heaters | In process |  | Likely by 2025 |  |  |
| **16.** | **Water Conservation** | Conduct a Water Audit |  |  | Likely by 2025 |  |  |
|  |  | Rain Water Harvesting |  |  | Likely by 2027 |  |  |
|  |  | Auto shutoff valve in overhead tanks |  |  |  |  |  |
|  |  | Reuse of water after treatment |  |  |  |  |  |
| **17.** | **Diesel Generator / furnace** | Having Consent to Operate and other required permits | Already DG set(750kva) installed | Executive Engineer Electrical |  |  |  |
|  |  | Maintaining stack height as required under the Environment (Protection) Rules 2002, |  |  |  |  |  |
|  |  | Management of waste generated |  |  |  |  |  |
| **18.** | **Ecological Conservation** | Ecological Inventory |  |  |  |  |  |
|  |  | Development of an ecological reserve |  |  |  |  |  |