**University of Engineering & Management, Kolkata**

**NAAC SSR**

**Criterion 7.1.8: Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years.**

**Green Audit**

The University is committed to develop **Clean and Green** campus. Faculties of this University always encourage students to implement eco-friendly projects and campaigns for the sustainable development in the environment. Several green initiatives are taken to reduce the impact on the environment. These green initiatives are use of renewable energy, waste water management, waste management, partly rain water harvesting, air quality motoring system and public transportation to reduce carbon footprint and tree plantation.

* The University has installed solar power plant on 19th June, 2019, having a capacity 10.24 kWp on the roof top of the 1st building (B1) of the University and there is no connection with 2nd (B2) and 3rd (B3) building. Percentage of the annual power requirement met by the renewable energy for the 1st building of the University= **8.33%.** It reduce the carbon footprint and protect the environment from global warming.
* Various process are followed to reduce waste of water. Automatic taps are installed in each and every washrooms and toilets. Since these are not operated manually so it reduce waste of water. Another way a very small machine is installed inside the water tank so that when the tank become full it will automatically switched off which reduce waste of water efficiently.
* The housekeeping staffs collect the waste every day and after that segregated. The non-biodegradable waste like plastic, glass, metal etc. are collected by the NKDA and bio-degradable waste are collected another box and after that decomposed using a decomposition powder. After some months it will used as a compost for gardening.
* This University has also developed a plan for partly rain water harvesting. There is a well in the back side of University for rain water harvesting. The diameter of the well is 3 ft. and the length is 30 ft.
* University is going to install continuous Air Quality Monitoring System. This monitoring system is able to measure PM 2.5, PM 10, CO2, HCHO, TVOC, Temperature and Humidity. It support Wi-Fi and Mobile App enabled so that it can be monitored from anywhere any time in the campus.
* University inspire faculty and staff to use public transport for daily communicating. University arrange some buses which are allotted for the student, faculty and staff for daily communication which ensure less carbon footprint in the campus. Most of the faculty and staff use college bus for daily communicating instead of private car to minimize carbon footprint.
* Tree plantation is the most interesting event for the students and faculties of the University. University conducts plantation drive on regular basis in the campus. Tree plantation has been done along the boundaries of the campus. There are number of bamboo trees are planted both sides of the campus. Bamboo helps to keep the environment clean as it is a natural air purifier.

**Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years:**

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Budget allocated for green initiatives | Expenditure of green initiatives and waste management excluding salary component  (Figures in Lakhs) | Annual expenditure excluding salary component of the institution  (Figures in Lakhs) |
| 2021-22 | 25 | 1218791 | 987412 |
| 2020-21 | 20 | 989764 | 897958 |
| 2019-20 | 15 | 674983 | 798951 |
| 2018-19 | 12 | 515365 | 768459 |
| 2017-18 | 10 | 458795 | 398741 |