Summary of Green Audit report 2017 & 2021

The green audit analysis which includes energy, water, air quality and noise quality analysis of Shoolini University was carried out, in the year 2017 by M/S J.A.S &Associates, Solan and Ashish Electrical Corporation, Solan and M/S Ramlal Thakur of Solan carried out in the year of 2021. Green Audit is a process of systematic identification, quantification, recording, reporting and analysis of environmental diversity of various establishments.

As per this green audit report, Shoolini University consumes on an average 450.67 kW-h of electricity per hour and 3947869.2 kW-h per year to maintain its activities throughout the year. The university has installed a grid connected 400kWp solar PV plant to meet the energy needs which is distributed as girl hostel, over parking area, roof of G &H block, admin block, Arya Bhatt boy's hostel, F- block and Sewage Treatment Plant (STP). The energy from this solar plant is helping offset the University's daytime peak electricity demand from the grid. Shoolini university. The solar rooftop plant is installed in collaboration with M/s Cambridge Energy Pvt Ltd and is able to offset 60% of its energy usage from the state grid thus moving towards a more reliable and greener option and reducing its carbon footprint. Some of the major points are as follows:

- Sanctioned load of the University = 491 kW
- Connected load of the University = 370 kW
- Annual power requirement met by the renewable energy sources (in kWh): 754471
- Total annual power requirement (in kWh): 3947869.2
- Solar proportion meets about 60 % of total energy requirement

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