



Consolation Award

Electronic Load Controller

Lanu L Jamir
Dimapur, Nagaland

Lanu L Jamir (49) is an enterprising individual who has been known to find solutions of problems faced by local people in their day to day life. He has a background in electronics and runs an Engineering Innovation Centre in Dimapur, wherein he does his research and encourages others to experiment and make prototypes.

'Hydroger' a water mill or a pico-hydro-power system provides an electrical power output of 3-5kW. However, the electricity produced by them requires controlling/stabilizing to run the domestic household appliances. Imported controllers for this purpose are very costly and out of reach for local people.

Lanu Jamir designed and developed an electronic load controller that controls the power supply and works as a stabilizer cum controller for voltage, speed and frequency control of output power from the generator. By keeping the voltage and rpm constant, it can vary the frequency and acts like a synchronizer having a power factor of 0.9. Two types of load controllers, have been developed by Lanu, for 5kW and for 100kW respectively. Encouraging feedback from officials of a state Power Distribution Company has been received.

