

Solar Thermal Lab in CES

S.N.	Description of Items	QTY
1.	Digital Panel Meter 0-20 VDC	01
2.	Digital Panel Meter 0-200 VDC	01
3.	Digital Panel Meter 0-20m ADC	01
4.	Digital Panel Meter 0-20 ADC	01
5.	Digital Panel Meter 0-5 AAC	01
6.	Digital Panel Meter 0-750 VAC	01
7.	Infrared Thermometer IRC- 300	01
8.	Infrared Thermometer Fluke-62	01
9.	Digital Anemometer,Kusum-meco KM-909	01
10.	Digital Multimeter,Fluke-179	01
11.	Digital Multimeter ,Rishabh-155	01
12.	Angle Finder	01
13.	Lux Meter Mextech Model-LX 1010B	01
14.	Thermo hygrometer with probe mextech	01
15.	Indoor Solar water Heater with flat Plate collector	01
16.	SPRT Thermometer Millik	01
17.	Computer desktop HP Make	01
18.	100 lpd Solar Water Heater-ETC Type	01
19.	35 Amp Manual Variac(Fixed with air heater setup)	01
20.	Manometer (Fixed with air heater setup)	02
21.	Digital Energy Meter/ (Multimeter)	01

22.	Data Logger for Real Time logging and monitoring of Solar Water heating systems	01
23.	Solar WATER Heater Flat plate Collector(01) and Evacuated Tube Collector(01)	01



Solar Cooker









PV pumping system with data logger

- The photovoltaic water pumping system is design to operate with a PV array of 1kW with charging a battery bank of 48 volt. The pump used in the system is rated at 1 HP DC pump.
- This system is design for real time monitoring and logging of the PV water pumping system along with sensors capable to measure different parameters (voltage, current, water flow, pressure).



Steam generating cooking system installed at Neelkanth Hostel