

Sub: List of Equipment Solar Photovoltaic Lab.

S.N.	Name of Equipment	Quantity
1.	Combination Plier	01
2.	Digital Compass	01
3.	Ordinary Compass	01
4.	Digital Panel Meter Meco DC Voltmeter 0-20 VDC	01
5.	Digital Panel Meter Meco DC Voltmeter 0-200 VDC	01
6.	Digital Panel Meter Meco DCMA 0-20 MADC	01
7.	Digital Panel Meter Meco DCMA 0-20 ADC	01
8.	Digital Multimeter Fluke Model -15B	01
9.	Digital MultimeterMaxtech Model –DT-1503	01
10.	Digital Multimeter Mastech Model-M830BZ	02
11.	DC Cooling Fan 80*80 mm12v dc Make-Sunon	02
12.	Digital DCMA meter Make-Columbus	01
13.	Leakage Current Clamp Meter Luntun DC-6054	01
14.	Measuring Tape -2 mtr	01
15.	Nose Plier	01
16.	Side Cutter Plier	01
17.	Screw Driver Set	01
18.	Solar Module 3Watt	02
19.	Solar Garden Lamp	01
20.	Solar LED Light(Lentren)	01
21.	Thermohygrometer Make-Maxtech	01
22.	Wire Wound Potential Resistance	01
23.	Solar Module Rajasthan Make-Old	11
24.	Automatic Weather Station	01
25.	NI-Elvis –II NI educational Lab. Emona Helix Green Borad	01+01
26.	Bread Board Trainer kit	01
27.	Decade Resistance Box	01
28.	Soldering Station	01
29.	Acer Make Desktop	01
30.	Tata BP Solar Module -Old	01
31.	Ecosence Make Solar PV kit	01
32.	Experimental Setup for Characteristics of Solar Cell Model ES-290	01
33.	Solar Educational Kit Model-ETB-186	01
34.	OptoElecronics Device ETB-17	01
35.	Decade Resistance Box Model DRBC-115L	01
36.	Maharishi Solar Module (74 Watt-02,10 Watt-02,18 Watt-02,37 Watt-02)	08
37.	Bosch Make Angle Measurer	01
38.	Vernier Clipper	01
39.	Kaithley Make Digital Multimeter	01
40.	Hand Held GPS	01

41.	Meco Make Digital Clamp Meter	01
42.	Kaptel MAKE dc regulated power Supply	01
43.	Ecosence Make Solar PV Experimental Kit	01



Ecosence Make Solar PV kit



It measures-

- Diffuse Solar Radiation
- Direct Solar radiation
- Global Solar radiation
- UV radiation
- IR radiation





Three PV technologies with Monitoring System

- It consist of three PV technologies mono-crystalline, poly-crystalline and amorphous silicon thin film.
- Performance and degradation analysis can be done for composite climate conditions.