

Solar laboratory

The solar laboratory of Electrical and Electronics Engineering Department is the first indoor solar electrical lab in Polytechnic institution. Solar lab is developed in the aim of promoting green energy and training the technocrats on the emerging solar field to meet the need of the nation.

Solar Equipment list

S. N	Apparatus	Qty	Requirement
1	Solar panel PV training system	6	50Wp
2	Infra-red Thermometer	1	
3	Luxmeter	2	
4	Solar Power Meter	3	
5	Solar Panel (Mono, Poly,2.)	3	100W
6	Inverter (PWM, MPPT – each 1 No.)	2	1 KVA
7	Battery	1	7AH
8	Charge controller 12V/10A	2	12V/10A
9	DC Voltmeter (MECO make)	6	MECO
10	DC Ammeter (MECO make)	6	MECO
11	AC / DC Digital tong tester	2	
12	Rheostat	1	350 Ω
13	Solar panel 10w,12v	5	10W
14	Solar dryer	1	
15	Solar Cooker	1	
16	Solar Educational Training kits		

Renewable Energy contribution

S.no	Equipment	Quantity
1	8W LED Solar street light	2
2	SOLAR ONGRID POWER GENERATION SYSTEM (1Kw INVERTER, 250Wp X 4NOS)	1

