



National Institute of Solar Energy

(An autonomous institute of Ministry of New & Renewable Energy, Government of India)
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NOTIFICATION

Revised rates for testing fees of solar PV Module, PV Lighting Systems & Components (Solar Lantern, Solar Street Lighting System & Solar Home Lighting Systems) and Battery Testing with effect from 1st January, 2016 are as follows-

1. Module Testing: - Order Form No.01

Qualification testing of crystalline silicon/thin film photovoltaic modules as per IEC61215/IEC61646 specifications (individual tests)*		
S.No.	Description	Fee per sample (₹.)
1.	Visual Inspection	3,500.00
2.	Insulation Test	3,500.00
3.	STC Performance cell / module	3,500.00
4.	Temperature Coefficient	16,800.00
5.	NOCT Measurement	16,800.00
6.	Performance at NOCT	6,300.00
7.	Performance at low irradiance	12,600.00
8.	Outdoor Exposure (60 kWh/m ²)	25,900.00
9.	Hot Spot Endurance	17,500.00
10.	UV Exposure	17,500.00
11.	Thermal Cycle	1,96,000.00
12.	Damp Heat Test	2,10,000.00
13.	Humidity Freeze Test	1,05,000.00
14.	Robustness of terminations	3,500.00
15.	Mechanical load (static)	10,500.00
16.	Wet leakage test	3,500.00
17.	Hail Test	3,500.00

2. IEC Testing: - Order Form No.02

1.	IEC 61215/61646 PV Modules	11,20,000
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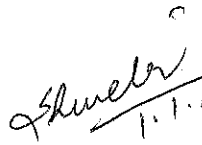
3. Battery Testing: - Order Form No.06

S.No.	Description	Fee per sample (₹.)	
		Up to 100Ah capacity	Above 100Ah capacity
1.	Capacity Test as per IS13369, IS15549 and IS 1651	8,400	9,800
2.	Efficiency Test (Ah & Wh)	16,800	19,600
3.	Self-discharge Test	16,800	19,600

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4. LED Testing:-Order Form No.04

S. No.	Testing Sample	Description	Fee per sample in (₹.)
1.	Solar Lantern	Light output and input power measurement	7,000
		Light output & compatibility testing of module battery and load for meeting the duty cycle and autonomy.	14,000
		Full testing as per MNRE / other specs.	28,000
2.	Solar Street Lighting Systems	Light output and input power measurement.	7,000
		Light output & compatibility testing of module battery and load for meeting the duty cycle and autonomy.	14,000
		Full testing as per MNRE / other specs.	28,000
3.	Solar Home lighting systems	Light output and input power measurement	9,800
		Light output & compatibility testing of module battery and load for meeting the duty cycle and autonomy	19,600
		Full testing as per MNRE / other specs	39,200
4.		Performance evaluation of Charge Controller for Lighting Systems	14,000


1.1.2016
Dr. Shweta Soam
In-Charge
Customer Service Cell