

**(CHECK –LIST (for Form No. 01)**

**(CRYSTALLINE SILICON/THIN FILM PV MODULE FOR INDIVIDUAL TESTING AS PER IEC 61215/IEC 61646)**

**Note:-**For submitting the PV Crystalline Silicon Modules for individual tests as per **IEC 61215/IEC 61646** specifications at NISE, the following Check-List is required to be satisfied.

<b>Sr.No</b>	<b>Particulars</b>	<b>Annexure</b>	<b>Page From</b>	<b>Page To</b>
1.	Each module shall carry the following clear indelible markings:- <i>Name, logo or symbol of Manufacturer, Type or model number, Serial number, Polarity of terminals or leads</i>			
2.	Order form duly filled along with the format			
3.	Instruction manual for handling the Module –Incase of manufacturer (Printed in English & Local Language)			
4.	Details of the modules , including type of cells			
5.	Self-attested copy of SSI Registration /Registration Certificate as per Companies Act,1956 /Acknowledgement from District Industrial Centre Form No. 61			
6.	Acceptance to the General Terms & Conditions			

***All the documents submitted by the company should be certified by the competent authority.***

**Test fees & other.**

Application fee along with Service tax in the form of Demand Draft/Electronic transfer with Transaction details in favour of “**National Institute of Solar Energy, Gurgaon.**”

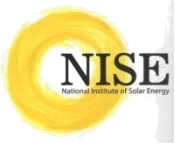
**Date:**

**Place:**

**Signature with Seal**

**Important Note:-**

- To be signed by competent authority or by officer not below the rank of G.M./Equivalent.
- Sample will be received at the Customer Service Cell of National Institute of Solar Energy till 04:00 PM on any working day.



## National Institute of Solar Energy

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

Gurgaon-Faridabad Road, Gwal Phari, Gurgaon (Haryana), Pin –122003.

Ph. 0124-2579251 (CSC), Fax: 0124-2579207

### ORDER FORM N0-01

#### Crystalline Silicon/Thin Film PV Module for Individual Testing as Per IEC 61215/ Iec61646

<b>Name of Company/Individuals (in Caps)</b>		
<b>Address of Company /Individuals (in Caps)</b>		
<b>Contact No.</b>	<b>Mobile</b>	<b>Landline</b>
<b>Email ID :</b>		
<b>Name of Contact Officer with Mobile Number</b>		
<b>PAN</b>		<b>TIN:</b>

#### We hereby place an order on you for the services and the type of test required as described below:

Qualification testing of crystalline silicon/thin film photovoltaic modules as per **IEC61215/IEC61646** specifications (individual tests)\*

S.No.	Description	Fee per sample (₹.)	No. of Samples	Total (₹.)
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/m2)	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		
<b>Sub Total</b>				
<b>Service Tax as applicable</b>				
<b>TDS</b>				
<b>Grand Total</b>				

**Information required at the time of submission of PV module**

S.No.	Make (Name of Module Manufacturing Company)	Type/model	Make of Year	Module Serial No.
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

**Testing Fee Details.**

Name & address of the issuing bank	
Name of the test	
Bank Draft No. & Date	
Bank Name	
Total Amount (₹.)	

**Details of the testing conducted by Manufacturer (Enclose test results)**

S.No.	Description of Test	
1		
2		
3		
4		
5		

**Declaration:**

This is to certify that the above-furnished information is true to the best of my knowledge and belief. National Institute of Solar Energy or its authorized nominee will be free to visit our works in order to assess the details provided above by giving an advance notice in writing. We also accept the terms and conditions of National Institute of Solar Energy annexed with this order.

**Date:****Place:****Signature with Seal****Important Note:** To be signed by competent authority or by officer not below the rank of G.M. / Equivalent.

## GENERAL TERMS AND CONDITIONS

1. One report will be issued to the customer on test (s) conducted by NISE.
2. The report shall contain all the parameters measured at NISE along with the parameters required as per the MNRE specifications and claims made by manufacturer the sample that has been tested.
3. The report contains the following disclaimer:
  - a) This is a report on measurements carried out on the product / samples no. \_\_\_\_\_ at the National Institute of Solar Energy.
  - b) The sample has been selected and submitted by customer.
  - c) The data contents in this report do not constitute a qualification certificate under any set of specifications.
  - d) The measurements made and results reported in this test report are valid at the time of and under stipulated conditions of measurement.
4. The test report if reproduced for any purpose, commercial or otherwise, should be reproduce in full. Reproduction of a part of the report or an abstract thereof is not permitted.
5. For identification purpose, all material supplied to the NISE for testing purpose shall be marked clearly and indelibly as per the standard.
6. The tentative period for performance testing of PV module at STC Condition is 07 days from the date of submission, however this period can be very depending along with situation of equipment and priority.
7. National Institute of Solar Energy shall not be responsible for any loss or damage caused to the sample during tasting.
8. This test report is not a legal document and is not valid for any kind of legal formalities.

### Declaration/Undertaking:

**I have read the above mentioned general terms and conditions carefully and I agree for the same.**

**Date**

**Place:**

**Signature with Seal**

**Important Note:** To be signed by competent authority or by officer not below the rank of G.M. / Equivalent.