



राष्ट्रीय सौर ऊर्जा संस्थान

(नवीन और नवीकरणीय ऊर्जा मंत्रालय, भारत सरकार का एक स्वायत्त संस्थान)

National Institute of Solar Energy

(An Autonomous Institute of Ministry of New and Renewable Energy, Govt. of India)

गुरुग्राम - फरीदाबाद मार्ग, ग्वाल पहाड़ी, गुरुग्राम – 122003, हरियाणा, भारत

Gurugram - Faridabad Road, Gwal Pahari, Gurugram – 122003, Haryana, India

Service Request Form No. 04

(Solar PV lighting and off-grid system testing)

1.	File No. (To be filled by office)	
2.	Job No. (To be filled by office)	
3.	Requested By (Name)	
	Address of Company /Individuals (in Capital letters)	
	Contact Details- Email id: Mobile: Landline:	
	PAN:	GST:
4.	a) Manufactured By	
	b) Date of Submission of Samples	
	c) Condition of samples on receipt	
	d) Testing procedure / Standards	
	e) Services and type of test requested	
5.	Name of Authorized Contact Person with Mobile Number, Email id:	



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Details of test and Fee: (Fee per sample excluding GST)

S.No.	Testing Sample	Test Description	Fee per sample (₹.)	Tentative No. of Working Days	Qty	Total (₹.)
1	Solar lantern	Light output and input power measurement	9,100	10		
		Light output & compatibility testing of module battery and load for meeting the duty cycle and autonomy.	18,200	10		
		IP TEST (if already not done) IP54/55/ 65/66	7,926	6		
		Full testing as per MNRE / other specs.	44,326	25		
2	Solar Street Lighting systems	Light output and input power measurement.	9,100	10		
		Light output & compatibility testing of module battery and load for meeting the duty cycle and autonomy.	18,200	10		
		IP TEST (if already not done) IP54/55/ 65/66	7,926	6		
		Full testing as per MNRE / other specs.	44,326	25		
3	Solar Home lighting systems	Light output and input power measurement	12,740	10		
		Light output & compatibility testing of module battery and load for meeting	25,480	10		
		the duty cycle and autonomy	58,886			



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		IP TEST (if already not done) IP54/55/ 65/66	7,926	6		
		Full testing as per MNRE / other specs	58,886	25		
4	Solar Home Systems (Solar Power Packs)	Light output and input power measurement	12,740	10		
		IP TEST (if already not done) IP54/55/ 65/66	7,926	6		
		Full testing as per MNRE / other specs	72,926	25		
5	Charge Controller	Performance evaluation of Charge Controller for Lighting Systems (12 V / 24 V)	18,200	10		
		IP TEST (if already not done) IP54/55/ 65/66	7,926	6		

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

Details of test and Fee :

Sr. No	Description	Fees per sample (Rs.)	No. of samples	Total
1.				
2.				
3.				
4.				
5.				
Sub Total				
GST				
Grand Total				



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Testing Fees Details:

Name of the test	
Transaction Details. & Date	
Bank Name	
Total Amount (Rs)	

Declaration: This is to certify that the information furnished in the service request form 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 advance notice in writing. We also accept the terms and conditions of the National Institute of Solar Energy annexed with this order.

Date:

Place:

Signature with Seal

Important Note: To be signed by the Company authority or Officer, not below the rank of G.M. / Equivalent.

General Terms & Conditions

- One report will be issued to the customer for the test (s) conducted by NISE.
- The report shall contain all the parameters measured at NISE along with the parameters required as per the specified standards/ MNRE specifications and claims made by the manufacturer for the test sample.
- The report contains the following disclaimer:
 - This report is for the measurements carried out on the product/samples no. _____ at the NISE.
 - The sample has been selected and submitted by the customer.
 - The data contents in this report do not constitute a qualification certificate under any set of specifications.



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- 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 reproduced 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 the testing purpose shall be marked clearly and indelibly as per the standard.
6. NISE shall not be responsible for any loss or damage caused to the sample during testing.
7. This test report is not a legal document and is not valid for any kind of legal formalities.
8. The tested sample shall be collected by the customer within 90 days of issue of the test report. After the above said period, NISE is not obliged to return the sample.
9. Tentative number of days for completion of tests specified for corresponding standards may vary depending on queue and other unavoidable reasons.

Declaration /Undertaking:

I have read the above mentioned General Terms and Condition carefully and agree with the same.

Date

Signature with Seal

Place

Important Notes: To be signed by the Company authority or Officer, not below the rank of G.M /Equivalent



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Data required by Test Lab.

1.	File No. (Generated by NISE)	
2.	Job No. (Generated by NISE)	
3.	Capacity/Rating	
4.	Date of Submission of Samples	
5.	Condition of samples on receipt	
6.	Testing procedure/ Standards	
7.	Services and type of test requested	
8.	Pass/ fail declaration in the report required (Please Tick)	Yes NO
9.	Customer wants to take sample back after testing (Please Tick)	Yes NO

Declaration: This is to certify that the information furnished in the service request form is true to the best of my knowledge and belief.

Date:

Place:

Signature with Seal

Important Note: To be signed by the Company authority or Officer, not below the rank of G.M. / Equivalent.



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Information required by Test Lab.

Sample Details:

Sr. No	Component	Make (Name of Manufacturing Company)	Type/model	Year of manufacturing	Serial No.	Weight in Kg
1	Luminary					
	Battery					
	Module					

Details of the test conducted by Manufacturer (Enclose test results if available):

Sr. No	Description of Test	Remarks

Declaration: This is to certify that the information furnished in the service request form is true to the best of my knowledge and belief.

Date:

Place:

Signature with Seal

Important Note: To be signed by the Company authority or Officer, not below the rank of G.M. / Equivalent.



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Annexure for Lighting Lab

Driver Circuit	
<ol style="list-style-type: none"> 1. LED Driver Specifications 2. Max Input Voltage (V_{oc}) 3. PV input voltage range for controller (min V_{oc}- Nominal- max V_{oc}) 4. PV input voltage range for controller (min V_{mp}-Nominal - max V_{mp}) 5. MPPT Type (If included) 6. Protections <ol style="list-style-type: none"> a) Low cut off voltage b) Overcharge cut-off c) Load reconnect 7. Dimming Specification (if any) 8. Timers Circuit details (if any) 	
Battery	
<ol style="list-style-type: none"> 1) Battery Specifications 2) Battery type 3) Charging and Discharging instructions <ol style="list-style-type: none"> a) Charging Voltage b) Charging Current c) Lower cut off and upper cut off voltage d) Voltage vs Capacity curve (if available) 4) Maximum Load Current 5) Battery dimensions and weight 	
Module	
<ol style="list-style-type: none"> 1) Module wattage 2) V_{oc}, I_{sc} and P_{max} of PV module 3) Type of Module (mono/poly etc) 4) PV module dimensions and weight 	



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CHECK-LIST (for Form No. 04)

Note:-For submitting the PV lighting systems for testing at NISE the following Check-List is required to be satisfied.

Sr.No	Particulars	Annexure	Page From	Page To
1.	Complete PV lighting system including the PV module, storage battery (in full charge - condition) electronics & load, as per the latest MNRE specifications/user Specification (if as per user please provide specification)			
2.	Order form duly filled along with the concerned format.			
3.	Circuit diagram matching to the circuit provided in lighting system Duly signed and stamped.			
4.	Component layout diagram signed and stamped.			
5.	User manual (Printed in English & Local Language)			
6.	(A) Self-Attested copy of manufacturer SSI Registration/NSIC/MSME/ Acknowledgement from District Industrial Centre. (B) Registration Certificate as per Companies Act 1956 or Form No. 61 (C) PAN. (D) GST			
7.	Forwarding letter for sample submitting/collection request which contains the information of Authorization of Person/Employee of Company (with Photo-ID card number) who is submitting the sample in the premises of NISE. He should carry the Employee Photo-ID card for identification.			

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

Date:

Place:

Signature with Seal

Important Note: -

- To be signed by the competent authority or by an officer, not below the rank of G.M./Equivalent.
- The sample will be received at the Customer Service Cell of NISE till 04:00 PM on any working day.