



National Institute of Solar Energy
(An Autonomous Institution of MNRE, GOI)
19th k.m Stone, Gurgaon-Faridabad Road,
Gwal Pahari, Gurgaon (Haryana)
Ph. 0124-2579251 (CSC), Fax: 0124-2579207

ORDER FORM No-05
(PV WATER PUMPING SYSTEMS)

Sir,

We hereby place an order on you for the services as described below:

1. Company Details:

Name of Company/Individuals			
Address of Company/Individuals			
Contact No.	Mobile No.	Landline:	
Email ID:			
Name of Contact Officer with			
Mobile No.			
PAN:	TIN:		

2. Details of Testing Fees (Excluding Service Tax):

Sr. No.	Types of Pump	Range of Pump Capacity	Cost (INR)
1	AC/DC	Upto 2 HP	25,000/-
2.	AC/DC	3-5 HP	35,000/-
3.	AC/DC	Above 5 HP – 10 HP	40,000/-

Performance evaluation testing of SPV Water Pumping System as per JNNISM, MNRE, 2015-2016 specifications.

Solar PV Water Pumping System				
Details	QTY	Fee Per Unit	Service Tax as per applicable	Total (In INR)
Name of the Test				
Name & Address of the issuing Bank				
Bank Draft No. & Date/Electronic Details				
Bank Name				
Amount				

Signature with Seal:

NB: To be signed by competent authority or by officer not below the rank of G.M. or Equivalent

Note: Kindly fill separate order form for each solar PV water pumping sample.

GENERAL TERMS AND CONDITIONS

1. One report on test (s) conducted by NISE will be issued to the customer.
2. The report shall contain all the parameters measured at NISE along with the parameters required as per the JNNSM, MNRE 2015-16 specifications and claims made by manufacturer as per their testing.
3. The report contains the following disclaimer:
 - i. This is a report on measurements carried out on the product / samples No. ----- at the National Institute of Solar Energy.
 - ii. The sample has been selected and submitted by customer.
 - iii. The data contents in this report do not constitute a qualification certificate under any set of specifications.
 - iv. 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 reproducing 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 specifications/standard.
6. The tentative period for testing of the SPV water pump system is two month from the date of submission however this period may be varied depending on the outdoor weather conditions, condition of measuring equipment and priority number.
7. National Institute of Solar Energy shall not be responsible for any loss or damage caused to the sample during testing.
8. This test report is not a legal document and is not valid for any kind of legal Formalities.
9. Once sample submitted will not be change and replace with other sample.

Declaration/Undertaking:

I read the above mention general terms and conditions carefully and I agree for the same.

Signature with Seal

Date:

Place:

CHECK- LIST (For Order form N0.-05)

(SOLAR PV WATER PUMPING SYSTEM)

For submitting the Solar PV Water Pumping System for testing as per MNRE specifications at SEC, the following checklist is required to be satisfied

Regarding system

1. The PV modules, Controller/Inverter, Motor and Pump provided in Solar PV Water Pumping System shall carry the following clear indelible markings:- Name, logo or symbol of Manufacturer, Type or model number, serial number, polarity of terminals or leads. *(page no---to---)
2. Order form duly filled along with the format as annexure-I. *(page no---to---)
3. STC Test report of individual modules from any accredited lab as per relevant standards if conducted/ available as annexure-II. If not tested, testing will be conducted at NISE after payment. *(page no---to---)
4. PV module: Certificate as IEC 61215 or IS 12486/IEC61730 is mandatory. Certificate as per IEC61701 required depending on the site of installation.as annexure-III. *(page no---to---)
5. Bill of materials component wise as annexure-IV. *(page no---to---)
6. Instruction manual for handling the Solar PV Water Pumping System (Printed in English & Local language) as Annexure-V *(page no---to---)
7. Performance curves of Solar PV Water Pumping System for the submitting model i.e., (i) Input Power versus Wire to Water Efficiency at the desired head, (ii) Input Power versus Water Output at the desired head, (iii) Head vs. Water Output as annexure-VI *(page no---to---)
8. Copy of the registration of the Company as per Registration Act, 1956, joint venture/foreign Collaboration etc. as Annexure-VII *(page no---to---)
9. Warranty Card as Annexure-VIII *(page no---to---)
10. In house test report of the Solar PV Water Pumping System on the testing conducted by the manufacturer as Annexure-IX. *(page no---to---)
11. Controller/Inverter: IP-54 Protection Certification from NABL accredited Lab as annexure- X *(page no---to--)
12. Controller/Inverter: Remote Monitoring Details, if any as annexure XI *(page no---to--)

A. Regarding Company:-

1. Profile of Company and A4 Size colored Photographs of Fabrication, manufacturing and testing activities/facilities in the company premises as Annexure-XI. *(page no---to---)
2. List of Equipments/instruments as Annexure -XII. *(page no---to---)
3. Attested copy of SSI registration/ Company Memorandum/ Acknowledgement from District Industrial Centre Form No. 61 mark as Annexure-XIII. *(page no---to---)
4. All the documents submitted by the company should be certified by the competent authority not below the rank of GM/equivalent. *(page no---to---)

B. Test fees & Other:-

1. Demand Draft for fee + Service Tax for SINGLE Solar PV Water Pumping System and Rs. 2500 for single module in favour of **National Institute of Solar Energy payable at Gurgaon.**
2. Undertaking (as per MNRE guidelines) Annexure-XIV. *(page no---to---)
3. Forwarding letter for sample submitting 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 National Institute of Solar Energy. He should carry the Employee Photo-ID card for identification. *(page no---to---)
4. If you are an old customer, please indicate with details when you got your pump sample tested at NISE. as annexure-XV *(page no---to---)

***Please number the pages.**

Note: The customer himself install the system at NISE's test rig. After user's satisfaction, the system would be handed over to NISE for testing purpose. NISE staff can only assist after installation and are not responsible for the performance of the system.

2. **STC report of SPV module older than one year is not accepted.**

FORMAT (For Annexure 1)

Details of SPV water pumping system to be submitted at NISE for performance evaluation
(To be duly filled by the customer)

1. PV Array

- a. Make:
- b. Type (Technology):
- c. Model No:
- d. Nominal Wattage/Module(Wp):
- e. Serial Numbers of modules(marked by manufacturer)

1.		9.		17.		25.		33.	
2.		10.		18.		26.		34.	
3.		11.		19.		27.		35.	
4.		12.		20.		28.		36.	
5.		13.		21.		29.		37.	
6.		14.		22.		30.		38.	
7.		15.		23.		31.		39.	
8.		16.		24.		32.		40.	

2. (i) Motor & pump

- a. Make:
- b. Model No:
- c. Serial No:
- d. Capacity (HP):
- e. Type (Surface or submersible):
- f. Operation (AC or DC):
- f. Testing Head:

(ii) Controller/Inverter (in case of AC pump)

- a. Make:
- b. Model No:
- b. Serial No:

(iii). Protection provided

- a. Against Dry Running (Yes / No)
- b. Against Reverse Polarity (Yes / No):
- c. Against Open Circuit & Short Circuit (Yes / No):
- d. Remote Monitoring (Yes/No):
- e. IP address of Remote Monitoring
- f. User ID and Password for Remote Monitoring

3. Submitting as per JNNSM, MNRE 2015-16 specifications under (Shallow Well Pumping System: MODEL-I to MODEL-VI or Deep Well Pumping System: MODEL-I to MODEL -XIV):

Dated:

Signature of authorized person

Name (in capital Letter): Designation:

Seal of the Company:

For office use only

Verified by:

Remarks if any: