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. 7
(Calibration Requisition Form for Solar Radiometers)

Customer Details:

Customer Name (in block letters)	
Designation	
Name of the Organization	

Address Line # 1			
Address Line # 2			
City		**Telephone/Mobile Number**	
State			
Country		**Email**	
Pin/Zip code		**Website**	
PAN		**GST No.**	

Information of the Sensor to be Calibrated

Sr. No.	Instrument	Make	Model	Serial No.	Customer laboratory reference number (sensor)	Location where sensor is currently in use. (Power plant location)
1						
2						

ई-मेल / Email: csc@nise.res.in,
दूरभाष / Phone: 0124-2573142, 0124-2853110, वेब /Web: www.nise.res.in

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Check List:

Sl.NO	Particulars/Documents		Yes or NO
1	The Pyranometer and Pyreheliometer sensors shall carry the following clear indelible markings: Name, logo or symbol of Manufacturer, Type, model number, serial number, Sensitivity.		
2	Calibration Certificate Copy to be submitted	a. Factory Calibration Certificate	
		b. Calibration Certificate/Report if Sensor has undergone any recalibration.	
3	Copy of user Manual and product brochure copy. (If available).		
4	Any Kind of existing physical damaged to the sensor.		
5	Accessories to be submitted along with sensor.	a. Mounting Screws and bolts	
		b. Radiation shield	
6.	Tentative time period from which the sensor was exposed to or operating in the field. (in months)		
7.	(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		
8.	Request letter for Sample Submission / Collection with the information of authorized Person / Employee of Company (with Photo-ID Card proof)		

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

General Terms and Conditions:

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- While sending an enquiry for calibration of Pyranometer sensors, the customers are first requested to provide the details about the **Type (Thermopile or Silicon), Make & Model** of the sensor**.** For Pyreheliometer sensor make and model details are required to be provided.
- Calibration of Solar radiation sensors at SRCL is carried out in outdoor with sun as source. The tentative period for calibration is within 3-4 weeks from the date of submission. However, the period may get further extended depending upon local climatic conditions at the laboratory facility and the same would be intimated the customer.
- All correspondence regarding calibration of sensor/s I, e invoice, status of calibration, if any should be addressed to the Customer Service Cell (CSC), NISE.
- **The customer should make necessary arrangements for the delivery of the sensor at NISE for calibration and to take back the sensor after calibration at their own cost**. **Solar radiometers being sophisticated sensors; customer must ensure the good packaging of the sensor**.
- A copy of the existing calibration certificate and other required documents (if any) of the Sensor/s is to be submitted at the time of submitting the sensor/s.
- NISE will not bear any responsibility for the any kind physical damaged to sensor and its contents while submitting the same at NISE for calibration.
- Calibration charges are payable through E-transfer to NISE. The details for E-transfer can be obtained from CSC.
- A calibration report would be issued to customer after calibration containing the following: Details of reference sensor, calibration results, traceability, Details of operating conditions and procedure of calibration.
- The customer will have to collect sensor/s within two months after completion of the calibration.
- The authorized person should come to collect the Sensor/s with proper authority letter and identification card. CSC does not provide any facilities for packing of your Sensor/Instruments.
- If the sensors/instruments are not collected within specified period, NISE will be free to dispose them off in any manner, it deems fit.
- This test report is not a legal document and is not valid for any kind of legal Formalities.
- Visiting hours: 2 PM to 5 PM.

Declaration

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I hereby agree with above terms and conditions and submitting the sensor/s with requisite accessories and documents at CSC, NISE.

Date: Signature

The charges for the calibration of sensor at SRCL NISE facility is as follows:

Sr.No	Instrument Name	Amount (INR) Plus 18% GST
1.	Pyranometer	13,000/-
2.	Pyreheliometer	19,500/-
SUB TOTAL		
GST as Application (18%)		
TDS		
Grand Total		

***GST and any other taxes is to be paid as applicable from time to time.**

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Calibration of Solar Radiation Measuring Sensors at NISE

Solar Radiation Calibration Laboratory (SRCL) for Calibration of Solar Radiation measuring sensors has been established at National Institute of Solar Energy (NISE), Gurgaon as a part of MNRE Solar Radiation Resource Assessment (SRRA) Program. SRCL, an outdoor laboratory facility, was successfully commissioned in 2015 and is functioning at Surya Bhawan, NISE. A well-equipped SRCL facility provides for calibration of **thermopile based** solar radiometers such as Pyranometer and Pyrheliometer. SRCL maintains and operates number of highly precise secondary standard reference sensors and one Absolute Cavity Radiometer (ACR) as Primary Reference Standard which are traceable to World Radiometric Reference(WRR) scale set up by World Radiation Centre(WRC) .Field or Test sensors are calibrated at the facility by comparison with laboratory reference standard sensor as per **International Standards (ISO)**, establishing the traceability of calibration to WRR scale as stated in World Meteorological Organisation(WMO) Guidelines. A calibration report is issued by NISE upon the calibration of the sensor providing all the details related to the calibration of sensor at SRCL.

Any Organization interesting in availing the calibration services may contact customer service cell NISE for details regarding calibration charges.



Solar Radiation Calibration Laboratory (SRCL) at NISE Surya Bhawan.

NOTE

- **Organisation requesting for calibration of sensor at SRCL, are first required to provide the details about the Type (Thermopile or Silicon), Make & Model, Quantity of the test sensor to CSC NISE before filling up calibration requisition form**.

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