



National Institute of Solar Energy

(An Autonomous Institution under Ministry of New and Renewable Energy
Government of India)

Gwal Pahari, Gurugram – 122 003, Haryana

No. 03 / 02) / 014 / NISE-PVTF NOTICE INVITING TENDER

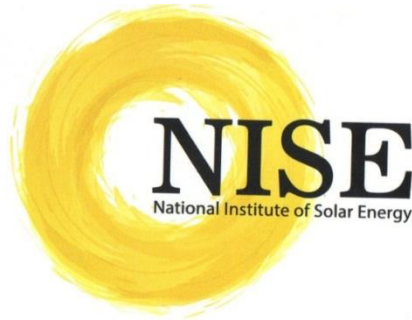
On behalf of the Office of Director General, National Institute of Solar Energy (NISE), Gurugram invites sealed tenders from reputed suppliers / Manufacturer of **Design, development Supply & Installation of Class A+A+A+ sun simulator with built in Temperature Control Unit with complete accessories at National Institute of Solar Energy, Gurugram , Haryana**

Tender document may be downloaded free of cost from the website of NISE i.e. www.nise.res.in. The last date of receipt of bids will be 12:00 Hrs on 19th April 2018.

Tender Document

For

Design, development Supply & Installation of Class A+A+A+ sun simulator with built in Temperature Control Unit with complete accessories at National Institute of Solar Energy, Gurugram , Haryana .



NIT NO: 03/02/014/NISE-PVTF

Closing Date: 19TH April, 2018

NATIONAL INSTITUTE OF SOLAR ENERGY

19th Milestone, Institutional Area,

Gurgaon-Faridabad Road, Gwalpahari, Gurgaon, Haryana,

INDIA

Telefax No. : +91-124-2579207

National Institute of Solar Energy
(An Autonomous Institute of Ministry of New & Renewable Energy)
Faridabad-Gurgaon Road
Gwalpahari, Gurgaon-122003 Haryana

TENDER NOTICE

Sub: Design, Development , Supply & Installation of Class A+A+A+ sun simulator with built in Temperature Control Unit with complete accessories at National Institute of Solar Energy, Gurugram , Haryana.

On behalf of the Office of the Director General, National Institute of Solar Energy sealed tenders are invited from reputed agencies in two parts (Technical and Commercial separately) for **Design, development Supply & Installation of Class A+A+A+ sun simulator with built in Temperature Control Unit with complete accessories at National Institute of Solar Energy, Gurugram , Haryana, India** . The important dates and information are given below in the table:

Tender Details

1.	TENDER NO.	F.No.03/02/014/NISE-PVTF
2.	DETAILS OF EQUIPMENT	Design, development, supply, installation and commissioning of class A+A+A+ sun simulator with built-in Temperature Control Unit with complete accessories for Photovoltaic Testing Facility at National Institute of Solar Energy, Gurugram , Haryana , India
3.	QUANTITY	one No class A+A+A+ Sun Simulator with built-in Temperature Control Unit with complete accessories
4.	Description Of class A+A+A+ sun simulator with built-in Environmental chamber	Please see Annexure -1.
5.	Scope of contract	Design, development, supply, installation and commissioning of class A+A+A+ sun simulator with built-in Temperature Control Unit with complete accessories ” for Photovoltaic Testing Facility at National Institute of Solar Energy, 19th Mile stone, Gurgaon-Faridabad Road, Village & P.O. Gwal Pahari, District : Gurugram , Haryana , India as per Technical specification (Annexure- 1) .

6.	EARNEST MONEY DEPOSIT (EMD)	<p>a. A sum of Rs.4,00,000/- (Rs Four lakh only) should be submitted as Earnest Money Deposit (EMD) along with the technical bid in the form of Demand Draft / Fixed Deposit Receipt from a commercial bank / Bank Guarantee from a Commercial Bank in an acceptable form to NISE, Gurugram .</p> <p>b. In case of demand draft, demand draft drawn in favour of, National Institute of Solar energy , Guru gram , Haryana , India “ from any Nationalized Bank</p> <p>c. In case of Bank Guarantee, the same may be provided as per the format given at Annexure - 6 of the Tender Document.</p> <p>d. The EMD of the accepted tender will be retained as Security Deposit and the EMD of other unsuccessful bidders would be returned without interest, after selection of a bidders.</p> <p>e. Validity of Earnest Money Deposit: The Earnest Money shall be submitted by the bidder in the form of CDR/FDR/BG from any bank operations in India pledged to the Director General NISE. This shall remain valid for 12 months from the date of submission of bids.</p>
7.	Place of issue & submission of bid document and address for communication # The Envelop should be super scribed as Tender for “Design, development, supply, installation and commissioning of class A+A+A+ sun simulator with built-in Temperature Control Unit with complete accessories ”	National Institute of Solar Energy (NISE), 19th Mile stone, Gurgaon-Faridabad Road, Village & P.O. Gwal Pahari, District : Gurugram , Haryana , India or may be deposited in the tender Box at the Reception of Surya Bhawan , NISE .
8	Address for Communication	<p>The Deputy Director General (Administration) National Institute of Solar Energy Gurugram - Faridabad Road, Gwal Pahari, Gurugram - 122 003, Haryana, India. Email: ddgsk.nise@gmail.com,</p> <p>Ph: +91 124-285 3060 (Reception) / 285 3095 (Direct)</p>

9	Availability of Tender Document	The Tender document can be downloaded from NISE website: www.nise.res.in
10.	ELIGIBILITY CRITERIA	<p>10.1 The original manufacturers or their authorized suppliers who have past experience of manufacturing, or authorized Indian supplier. A list of clients should be enclosed.</p> <p>10.2 That the Bidder will assume total responsibility for the fault-free operation of equipment and Maintenance during the warranty period and provide necessary maintenance services for three years after the end of the warranty period if required.</p> <p>10.3 The Bidder shall be equipped and be able to carry out the Supplier's maintenance, repairs and Spare parts, meet stocking obligations as prescribed by the conditions of the contract.</p>

1. Tender Technical Specifications:

Technical Specifications of Design, development, supply, installation and commissioning of class A+A+A+ sun simulator with built-in Temperature Control Unit for Photovoltaic Testing Facility at National Institute of Solar Energy, Gurugram , Haryana , India :

Purpose: The Equipment under procurement is a fully integrated Pulsed Solar Simulator (PSS) System complete in all respect including all necessary hardware and software and turnkey installation at National institute of Solar Energy, Gurugram , Haryana, India. The equipment shall be capable to charactering PV modules of different cell technologies according to the following procedures and standards:

A.

Sr.No	Procedure	Referred standards	VENDOR'S / Client RESPONSES
1.	Module power at standard test conditions	IEC 60904-1 (Latest) IEC 61215, 10.02 / IEC 61646, 10.2	
2.	Module power at different temperatures	IEC 61853-1 IEC 61215, 10.4 , IEC : 60891:2009	
3.	Module power at different levels of irradiance	IEC 61853-1 :2011 IEC 61215, 10.7	
4.	Module Power at NOCT	IEC 61215, 10.6	
5.	Power rating	IEC 61853-1	

B.

Sr.No	Items	Description	VENDOR'S / Client RESPONSES
1.	Flashlight/Light Source	The PSS System shall meet the following basic characteristics:	
		a. Non-uniformity $\leq \pm 1\%$	
		b. Spectral mismatch $\leq \pm 12.5\%$	
		c. Temporal flash instability $\leq \pm 0.5\%$	
		(To be calculated acc. to IEC 60904-9, latest for AM -1.5)	
		d. Dimensions of the modules to be tested as per the above referred standards : width: ≥ 120 cm; Length : ≥ 210 cm Thickness: ≥ 05 cm	
		e. Pulse duration: : (20ms - 200 ms) or better	
		f. Irradiance range : 100 – 1100 W/m ² (in step of 100w/m ²) (To be achieved through an optical or electronic dimming system)	
		g. Light Source – Xenon (Spectral Distribution profile of the lamp shall be provided as per Standard)	

2.	Module temperature control unit (TCU)	<p>The PSS System shall include a separate cabinet which allows to control the module temperature within a range of 15 °C to 75 °C (temperature control unit – TCU). The TCU shall enable the PSS System to determine temperature coefficients of PV modules and the Power at NOCT.</p> <p>The system will be installed laboratory at National institute of Solar Energy, Gurugram, Haryana.</p> <p>Ramp up rate (: 15°C to 75°C within 2h or better)</p> <p>Ramp Down rate (: 75°C to 25°C within 2h or better)</p> <p>Temperature homogeneity in the whole temperature range: < 1.5°C</p>	
3.	Dark cabinet / Chamber (if required)	<p>The PSS System shall be positioned in a large open laboratory hall. Therefore, the system shall include an accessible, lightweight construction housing. This housing shall serve as a dark cabinet to protect the test specimen from false stray light an also provide a dust free environment for the electronics hardware used in the system. The housing shall also protect the critical and movable parts from dust collection. The operation of the system can be carried out from outside the housing.</p>	
4.	Mounting rack	<p>A module mounting device which serves to fix the PV modules easily and Quickly within the measurement plane.</p>	
5.	Module temperature measurement	<p>A. At least four module temperature sensors (R_{TD}) to be fixed on the modules rear side for temperature correction according to standard IEC 60891 latest.</p> <p>B. In addition to the above, one IR sensor shall be provided for measuring module temperature during Performance Measurement at standard test conditions.</p> <p>The module temperature sensors shall be calibrated. The calibration shall be traceable to a national reference (e.g. DKD) with a max. Uncertainty of ± 0.5 °C.</p>	
6.	Measurement electronics	<p>a. Min. voltage range: 3 to 200 V</p> <p>b. Voltage Accuracy : ± 0.2 % of reading or better</p> <p>c. Min. current range: 3 to 20 A</p> <p>d. Current Accuracy : ± 0.2 % of reading or better</p> <p>Voltage sweep (either Voc – Isc or Isc – Voc)</p> <p>Four-wire technology (with 2 separate terminals for current and Voltage):</p> <p>Input channels for WPVS reference cells (irradiance and temperature) should be available</p> <p>*In order to provide the highest possible resolution for different PV module characteristics, the measurement ranges should be selectable in several steps in order to optimize the resolution for different module technologies (e.g. $\geq 10V$, $\geq 50V$, $\geq 100V$, $\geq 200V$)</p>	
7.	Reference cells /(monitor cell)	<p>Calibrated reference cell for all existing technologies, e.g. C-Si, HIT, CIGS, CdTe, a-Si , PERC , IBC etc. Calibration of cell should be from any one of the following.</p> <p>NREL USA /JRC ISPRA/ AIST Japan/ Fraunhofer ISE Germany /PTB Germany.</p>	
8.	Calibration Module / Golden Module	<p>Calibrated reference Module Should be provided . Calibration of Module should be from any one of the following.</p> <p>NREL USA /JRC ISPRA/ AIST Japan/ Fraunhofer ISE Germany /PTB</p>	

		Germany .	
8.	PC, monitor, software	<p>'state-of-the-art' measurement computer (PC), (TFT) monitor and pre-installed software which serves to:</p> <ul style="list-style-type: none"> - Operate the whole system, trigger flashes manually, in dependence on temperature (for TC measurements) or on customized intervals - Collect and store all relevant data (I-V, Temp, Irrad ,etc). - Conduct irradiance and temperature correction acc. to IEC 60891 or acc. to customers settings - Compile measurement protocol or report 	-
9.	Turnkey installation, installation site demands	<p>The PSS System shall be installed within a laboratory hall in India, / National institute of solar Energy, Gurgaon, Haryana. Therefore, the quotation shall include all shipping and installation costs. Furthermore, necessary requirements - set by the supplier to the installation site- shall be communicated clearly. This means especially:</p> <ul style="list-style-type: none"> - Floor space demand / height - Electrical supply for the whole system and its different major components (flasher electronics, TCU) - Ambient climate range (up to at least 45°C) - Cool water needs 	-
10.	Commissioning and training	<p>The major specifications as listed in the quotation shall be approved after installation. The homogeneity, spectrum and stability shall be approved in accordance to IEC 60904-9 , latest . The temperature control of the TCU shall be proved in terms of temperature homogeneity and ramp rate.</p> <p>Furthermore, the quotation shall include an operation training program (operation, software etc), which should take place after the commissioning.</p>	
11.	Control and maintenance visit	The quotation shall include control and maintenance visits which take place on arrangement after the approval. This point should be offered as option.	
12.	Warranty and Support	<p>The warranty and support conditions shall be stated in the quotation.</p> <p>For non-wear parts a warranty time of at least 2 years is expected.</p> <p>For the flashlight a lifetime of at least 100, 000 flashes is expected.</p> <p>Furthermore at least one set of spare flashlight bulb shall be provided.</p>	
13	Spare parts	01 no's of Electronics Load Measurement system , and 01 nos of DAQ system for Measurement of different parameter e.g Current , Voltage , Power and Temperature etc. for Calibration purpose .	

Note: - Please use separate sheet in case of detailed information to be given in response of any of the above columns.

General Terms and Conditions

11. RATES (The rates should be quoted specifically on the following line)

- a. Firm and final cost of the class A+A+A+ sun simulator with built-in Temperature Control Unit with the above specifications and features.
- b. Taxes (GST) and freight etc. if any applicable, should be indicated separately and clearly.

- c. Cost involved towards installation and commissioning at site.
- d. Cost towards the training of NISE personnel
- e. Cost involved towards options, accessories, Critical Spare parts consume for operating the system at least for two years from the date of expiry of guarantee/warranty. A list of spares should be attached along with its cost/prices.

12. DELIVERY PERIOD

- a. The class AAA sun simulator with built-in Environmental chamber Compete in all respect as per above mentioned in a single consignment should be delivered at the site/ consignee **within 4 months** from the date of issue of confirmed supply order.

13. INSPECTION

- a. The supplier should satisfy himself/herself that the “class A+A+A+ sun simulator with built-in Temperature Control Unit “ and its accessories fully conforms to the specifications by carrying out complete pre-inspection of each component before dispatch.
- b. Scientist / Technical Staff of NISE may be allowed to visit factory before dispatch of the class class A+A+A+ sun simulator with built-in Temperature Control Unit

14. CONSIGNEE: The Director General, National Institute of Solar Energy, Gurugram – Faridabad Road ,Gwal Pahari , Gurugram – 122 003, Haryana, India , Tel: +91 124 - 285 3088 / 285 3089/ 257 9084.

15. GUARANTEE/WARRANTY: System/Spares supplied should be covered by standard terms of warranty for a period of 12 months from the date of installation or 18 months from the date of delivery, whichever is earlier for manufacturing defects/performance.

16. PENALTY

(i.) The supplier shall supply the stores in accordance with the particulars as expressly specified at the time/times and at the place/places only.

(ii.) The time for and the date of the stores stipulated shall be deemed to be the essence of the supply/work order.

(iii.) If the supplies are not completed within the period prescribed, the supply order will be liable to be cancelled at the risk and cost of the contract besides forfeiting the Earnest Money Deposit.

(iv.) If for any reason the contractor is unable to adhere to the contract delivery dates, he may seek extension in delivery/completion dates well in time by sending a request in writing in this regard to the office issuing the contract/supply order. The purchaser reserves the right to allow the extension of delivery period subject to such conditions as he may think fit. However, the decision of the purchaser shall be final and binding.

17. DISPUTES

In case of any dispute the decision of DG National Institute of Solar Energy will be final and binding on both parties. Further dispute, if any will be settled in the Court of Law at Gurugram jurisdiction only.

18. VALIDITY

Tenders should be valid for 180 days from the date of opening.

19. REJECTION

Incomplete, conditional, fax, late tenders and tenders without EMD will be rejected summarily. DG, NISE reserves the right to reject any or all the tenders at his discretion without assigning any reason whatsoever.

20. Custom Duties and clearing charges: As per Notification No.51/96- customs dated 23rd July 1996 (as amended by Notification No. 28/2003 dated 01.03.2003 & Notification No. 43/2017 dated 30.06.2017) and as amended from time to time for research purpose only Being the purchases for scientific purpose, NISE is entitled for availing customs Duty exemption at present, wherever applicable, and as per rules will be issued at the appropriate time. Hence Customs Duty for such items should not be included in the Price Bid. However, except to the extent not exempted Custom Duty may be indicated.

21. Performance Guarantee: Performance Guarantee shall be provided against warranty for a period of up to one (01) year for 10% of contract value.

22. Performance Security: Performance Security should be for an amount of 10% (Ten per cent) of the value of the contract in the form of account payee Demand Draft/ Fixed Deposit Receipt from a commercial bank/ Bank Guarantee from a Commercial Bank in an acceptable form to NISE, Gurugram for a period of 60 (Sixty) days beyond Warranty period.

23. Payment:

a. Foreign supplier: 90% through Letter of Credit against bank documents. All expenses towards this outside the country will be in the scope of the vendor. Remaining 10% will be released after testing, commissioning and acceptance of the system /equipment to the entire satisfaction of the Purchaser and on production of performance bank guarantee of the amount of 10% of the Contract Value which will be retained for a period of warranty as given in column in clause 15.

b. Indian Supplier: 80% of the payment shall be released via electronic transfer upon Completion of testing, commissioning and acceptance of the system /equipment Report by the NISE Committee, and the remaining 20% shall be released upon completion of 1 year period of Warranty from the date of commissioning). The bidder has the option of availing up to 50% of the contract value as mobilization advance against submission of Bank Guarantee for the same amount.

24. SUBMISSION OF TENDERS:

a. Sealed tenders should be submitted in two parts i.e. Part-I containing Technical competence/literature along with Demand Draft for EMD, and Part-II containing only commercial invoice in a separate sealed envelope, superscribed as commercial bids. Both the envelope containing Technical and Commercial bids should be kept in a large sealed envelope which may be super-scribed as "Tender for Design, development, supply, installation and commissioning of class A+A+A+ sun simulator with built-in Temperature Control Unit for Photovoltaic Testing Facility at National Institute of Solar Energy . The tenders should be reach to the following address on or before last date .

b. Tenders can be also deposited within time in the Tender Box kept at the reception of Surya Bhawan of NISE Campus.

25. IMPORTANT DATES

- a. Last date for sale of tender document at NISE, Gurugram **19TH April 2018.**
- b. Closing time and date of receipt of tenders at NISE, Gurugram **19TH April 2018**
- c. Opening of Technical Bids at **3 PM ON 19th April 2018,** (tentatively). In case of any delay the same will be informed to the bidders.

26. It may please be ensured that the main tender envelope should be clearly super-scribed – Tender for “Design, development, supply, installation and commissioning of class A+A+A+ sun simulator with built-in Temperature Unit for Photovoltaic Testing Facility at National Institute of Solar Energy, “.

**The Director General
National Institute of Solar Energy
Gurugram – Faridabad Road
Gwal Pahari, Gurugram – 122 003, Haryana, India.
Tel: +91 124 - 285 3088 / 285 3089/ 257 9084.**

Annexure- 2

No. 03 / 02) / 014 / NISE-PVTF

Commercial Terms (to be enclosed with Techno-Commercial Bid)

Sl. No	Particulars	Bidders Confirmation (please write accepted ,if accepted T&C)
1.	Scope of Supply please refer clause 5	
2.	ELIGIBILITY CRITERIA please refer clause 10	
3.	Tender technical specification please refer clause Anexure 1 (A&B).	
4.	Delivery period please refer clause 12	
5.	Inspection please refer clause 13	
6.	Consignee please refer clause 14	
7.	Gaurantee / warranty please refer clause 15	
8.	Penalty Clause please refer clause 16	
9.	Disputes please refer clause 17	
10.	Validity as per clause 18 -	
11.	Rejection terms as per clause 19	
12.	Custom Duty and clearing charges as per clause 20	
13.	Performance Guarantee as per clause 21	
14.	Performance Security as per clause 22	
15.	Payment terms as per clause 23	
16.	Proof of income Tax Assessment /Return for last three financial years (2014-215, 2015-16, 2016-17).	

I /We hereby declare and firm that I/We have read and understood the terms and conditions of the contract as stipulated in the Tender Notice No .-----Dated ----- . Accordingly, I/We accept the terms and conditions and hereby offer rates for the work as indicated above.

Signature of authorized signatory: _____

Name of the Representative Submitting the Bid:

Designation:

Company Seal and Date

Annexure- 3

No. 03 / 02) / 014 / NISE-PVTF

FORMAT FOR SUBMISSION OF SUPPLIER DETAILS

1.	Name of supplier	
2.	Registered Address	
2.	Phone No	
	Fax NO	
	Name of proprietor/CEO/ Chairman	
	Phone no/Mobile No	
	Email ID	
3.	Factory Address	
	Phone no	
	Fax no	
	Email ID	
4.	Delhi/NCR Address if any	
	Phone no	
	Fax no	
	Email ID	
5.	Correspondence Address	
6.	Name of contact Person	
	Designation	
	Phone no / Mobile No	
	Fax no	
	Email ID	
7.	Website	
8.	Bank related information	
	Bank name	

	Branch name	
	Bank address	
	Bank phone no.	
	Bank fax no.	
	Bank MICR Code (9 digit)	
	RTGS-IFC Code	
	Account type	
	Account no	
9.	PAN NO	
10	GST , PAN/TAN & TIN number of firm	

I /We hereby declare and firm that I/We have read and understood the terms and conditions of the contract as stipulated in the Tender Notice No .-----Dated ----- . Accordingly, I/We accept the terms and conditions and hereby offer rates for the work as indicated above.

Signature of authorized signatory: _____

Name of the Representative Submitting the Bid:

Designation:

Company Seal and Date

Annexure- 4
(To be type/ written on the company's/party's/ Letter Head)

PERFORMA FOR FINANCIAL BID

NIT No. 03 / 02) / 014 / NISE-PVTF

The Director General
National Institute of Solar Energy (NISE)
Gurugram – Faridabad Highway
Gwal Pahari; Gurugram – 122 003
Haryana

Subject: Sealed tenders from reputed manufacturer / authorizes supplier for Design, development, supply, installation and commissioning of class A+A+A+ sun simulator with built-in Temperature Control Unit with complete accessories ” for Photovoltaic Testing Facility at National Institute of Solar Energy, 19th Mile stone, Gurgaon-Faridabad Road, Village & P.O. Gwal Pahari, District : Gurugram , Haryana , India as per Technical specification

Sir,

With reference to your Tender Notice (NIT) NO 03/02/014/NISE-PVTF , dated 12th March 2018. I quote the following rates , including all taxes and duties , for the work mentioned below :-

Part –A

Sr. No	Items Description	Unit	Unit price(Rs /USD/EURO)	Total Price	Taxes/Duties/Freights applicable (Please indicate separately)			Total Amount (including Taxes/ duties)
					Taxes	Duties	Freight	
1	i . class A+A+A+ sun simulator with built-in Temperature Control Unit	01						
	ii. Accessories/ Spares Parts	----						
	Reference cells (monitor cell)	----						
	Calibration Module / Golden Module	01						
2.	Installation and commissioning charge	Lump sum						

3.	Training of NISE staff Charge	Lump Sum						
	Total							

Total Amount (in words)

Part –B

Sr. No	List of Critical Spare parts consume for two years	Unit	Unit price(Rs /USD/EURO)	Total Price	Taxes/Duties/Freights applicable (Please indicate separately)			Total Amount (including Taxes/ duties)
					Taxes	Duties	Freight	
1								
	Total							

Total Amount (in words)

I /We hereby declare and firm that I/We have read and understood the terms and conditions of the contract as stipulated in the Tender Notice No .-----Dated -----.
Accordingly, I/We accept the terms and conditions and hereby offer rates for the work as indicated above.

Signature of authorized signatory: _____

Name of the Representative Submitting the Bid:

Designation:

Company Seal and Date

Annexure- 5

F.No 03 / 02) / 014 / NISE-PVTF

Performance Statement Form of similar or superior type class A+A+A+ sun simulator with built-in Temperature Control Unit

Name of Bidder: _____

Order No. & Date	Client	Contact person/ Phone	Description & quantities of ordered items	Value of order	Date of completion		Satisfactory completion
					As per contract	Actual	

To be attached: Documentary evidence (client’s letter or certificate) in support of satisfactory completion of above orders.

I /We hereby declare and firm that I/We have read and understood the terms and conditions of the contract as stipulated in the Tender Notice No .-----Dated -----. Accordingly, I/We accept the terms and conditions and hereby offer rates for the work as indicated above.

Signature of authorized signatory: _____

Name of the Representative Submitting the Bid:

Designation:

Company Seal and Date

Annexure- 6

Bank Guarantee Format for Bid Security / EMD

Bank Guarantee No.

Bank Guarantee Amount: **Rs 4,00,000/-**

Bank Guarantee Cover from: / / 2018 to // 2018

Last Date of lodgement of Claim: / / 2018

FINIANCIAL BANK GUARANTEE

To

The Director General
National Institute of Solar Energy
Gurgram – Faridabad Road
Gwal Pahari; Gurugram – 122 003
Haryana

Subject: Tender Design, development, supply, installation and commissioning of class A+A+A+ sun simulator with built-in Temperature Control Unit with complete accessories ” for Photovoltaic Testing Facility at National Institute of Solar Energy.

Dear Sir / Madam,

Whereas M/s (here in after called the “Tenderer”) has submitted their offer dated for the **Design, development, supply, installation and commissioning of class A+A+A+ sun simulator with built-in Temperature Control Unit with complete accessories ” for Photovoltaic Testing Facility at National Institute of Solar Energy.** (hereinafter called the “Tender”) against the Purchaser’s Tender enquiry No. **F.No 03 / 02) / 014 / NISE-PVTF).** KNOW ALL MEN by these presents that WE of

..... having our registered office at..... are bound unto **M/s National Institute of Solar Energy, Gurugram** (hereinafter called the “Purchaser”) in the sum of **Rs 400,000/- (Indian Rupees Four Lakh Only)** for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this day of 2018.

THE CONDITIONS OF THIS OBLIGATION ARE:

- 1) If the tenderer withdraws or amends, impairs or derogates from the tender in any

respect within the period of validity of this tender.

- 2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
 - a) If the tenderer fails to furnish the performance security for the due performance of the contract.
 - b.) Fails or refuses to accept/execute the contract.

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing the occurrence of one or both the two conditions, specifying the occurred condition or conditions. This guarantee will remain in force up to and including 45 days after the period of tender validity and any demand in respect thereof should reach the bank not later than the above date. Signature of the authorized officer of the bank Name and designation of the officer Seal, name and address of the Bank and address of the Branch.

“Notwithstanding anything contained herein;

- Our liability under this Bank Guarantee shall not exceed Rs 4,00,000/- (Indian Rupees Four Lakh Only).

- This Bank Guarantee shall be valid up to / / 2018.

- We are liable to pay the guarantee amount or any part thereof under this Bank

Guarantee only if you serve upon us a written claim or demand on a before / /

2018 (date of expiry of Guarantee). ”

Banker's Authorized Representative(s)

Date:

Place:

Annexure- 7

Bank Guarantee Format

PERFORMANCE BANK GUARANTEE

National Institute of Solar Energy
Gurugram - Faridabad Road
Gwal Pahari
Gurugram – 122 003, Haryana

Bank Guarantee No.
Dated :

This deed of Guarantee is made on the day of _____ (*write name of the month*), 20 by _____ (*Write Bank name which is giving Bank Guarantee*), having branch office at _____ (*Write Bank Branch Office address*), (hereinafter called "**the Bank**"), which expression shall unless repugnant to the context and meaning thereof includes its legal representatives, successors and assignees and National Institute of Solar Energy, having their office at Gurugram - Faridabad Road, Gwal Pahari, Gurugram – 122 003, Haryana (hereinafter called "**the NISE**") which expression shall unless repugnant to the context and meaning thereof includes its legal representatives, successors and assignees.

Whereas NISE has awarded a supply contract bearing No. _____ (Purchase Order or Work Order No) dated _____ to M/s _____ (*Write the Supplier Company Name here*), having their Registered office at _____ (*Write Company Regd office address*), (here in after referred as "**the Supplier**") for _____ (*Write the description of the Purchase Order / Work Order*) as per the said order.

AND whereas, the **Supplier** has agreed to submit a Performance Security in the form of a Bank Guarantee for Rs. _____ (Rupees _____ Only) to the NISE as per the Contract
valid upto / /20 .

The **Supplier** has agreed to perform or fulfil the contract as per terms and conditions of the said order. In case, the Supplier fails to perform or fulfil the contract as per the said order, the NISE is entitled to demand an amount equal to Rs. _____ (Rupees _____ Only) from the

Supplier.

We, _____ (Bank Name), do hereby undertake and Guarantee to make payment to the NISE a sum of Rs. _____ (Rupees _____ Only) in case the **Supplier** fails as per the said order.

Whereas, Bank's liability under this Bank Guarantee is restricted to Rs. _____ (Rupees _____ Only) and it will remain valid till / / 20 . Unless a claim or demand in writing is made against us under this Guarantee before that date, all rights of the NISE under this Bank Guarantee shall be forfeited and the Bank shall be relieved and discharged from all liability thereunder. This guarantee shall automatically stand cancelled after the date of expiry as stated above notwithstanding the fact that the original guarantee document is returned to us by you or not.

NOTWITHSTANDING ANYTHING CONTAINED HEREIN:-

d) Our liability under this Bank Guarantee shall not exceed to Rs. _____
(Rupees _____ Only).

e) This Bank Guarantee shall be valid upto // 20 .

f) The Bank is liable to pay the Guarantee amount or any part thereof under this Bank Guarantee only and only if you serve upon a written claim or demand on or

Before / / 20 .

Place.....

Signature

Date.....

Bank Seal

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Bank Code No.