



## **National Institute of Solar Energy**

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

No: 01/12/03/2016/NISE-II (SPV)

### **NOTICE INVITING TENDER**

On behalf of the Office of the Director General, National Institute of Solar Energy (NISE), Gurugram invites sealed tenders from reputed suppliers of solar modules for **Procurement of Fifteen (15) High efficiency Passivated emitter and rear cell technology modules for reliability study as per specifications.**

Tender document may be downloaded free of cost from the website of NISE i.e. [www.nise.res.in](http://www.nise.res.in). The last date of receipt of bids will be **12:00 Hrs on 17<sup>th</sup> May 2017 (Wednesday).**

**National Institute of Solar Energy**

(An Autonomous Institute of Ministry of New &amp; Renewable Energy)

Gwal Pahari,  
Gurugram-Faridabad Road  
Gurugram - 122 003; Haryana**Subject: Procurement of Fifteen (15) High efficiency Passivated emitter and rear cell technology modules for reliability study**

On the behalf of the Director General, National Institute of Solar Energy, Gurugram, sealed tenders are invited from reputed suppliers of Solar Modules for the supply of Fifteen (15) High efficiency Passivated emitter and rear cell technology modules for reliability study at NISE Campus as per the technical specifications & standards given in tender document.

The interested bidders are encouraged to visit the Institute Campus, Gwal Pahari, Gurugram {(R&D Division; First Floor; Aditya Bhawan (also known as Old Building)}, on any working day (Mon-Fri) between 10.00 AM and 4.00 PM to assess & inspect the job requirement before submitting the bid.

Notice Inviting Bid (NIT) No	<b><u>No: 01/12/03/2016/NISE-II (SPV)</u></b>
Scope of Work	Procurement of Fifteen (15) High efficiency Passivated emitter and rear cell technology modules for reliability study at NISE Campus
Supply, Installation and Commissioning	As per technical specification – <b>Annexure - 1</b>
Submitting of Tenders	<p>Sealed tenders are to be submitted in two parts i.e. <b>Part-I containing Technical competence/literature</b> and <b>Part-II containing only commercial invoice in a separate sealed envelope, super scribed as Commercial bid.</b></p> <p>Both the technical and commercial envelops should be kept in a large sized, sealed envelope super-scribed “Supply of High efficiency Passivated emitter and rear cell technology modules for reliability study at NISE Campus and addressed to:</p> <p>Dy. Director General, National Institute of Solar Energy, Room No. 501, Surya Bhawan, 5<sup>th</sup> Floor Gurugram – Faridabad Road, Gwal Pahari, Gurugram – 122 003, Haryana, India. Ph: +91 124 -285 3088 / 285 3089/ 257 9084.</p> <p><u>Note:</u> the company particulars should be written on the Main envelop cover contain clear Correspondence Address, valid Email ID and Phone No.</p>
Bid Validity	Bids shall be valid for at least 60 days from the date of technical bid opening.
Delivery time	(2 – 3 weeks) Two to Three weeks
Last date for submission of bids	<b>12.00 Noon on 17<sup>th</sup> May 2017 (Wednesday)</b>

Date of opening of Technical bids	<b>3.00 P.M. on 17<sup>th</sup> May 2017 (Wednesday)</b>  (Note : In case this date is declared as holiday by NISE or Govt. of India in future, then next working day shall be the last date for submission of Bids or Technical bidding opening)
Opening of Price Bids	The time & date for opening of the price bids will be intimated to the technically qualified bidders.
Address for Communication	The Deputy Director General (Administration)  National Institute of Solar Energy, Gurugram - Faridabad Road, Gwal Pahari, Gurugram - 122 003, Haryana, India. Email: nise.mnre@gmail.com Ph: +91 124-285 3060 (Reception) / 285 3095 (Direct)

## 1) Instructions to the Bidders

### 1.1 Technical Specifications

Please refer **Annexure – 1** of this tender document for Technical Specifications for Procurement of Fifteen (15) High efficiency Passivated emitter and rear cell technology modules for reliability study at NISE Campus

### 1.2 General Conditions of Contract

1. **Codes & Standards:** Solar Modules shall comply with the latest edition of the applicable standards.
2. **Inspections and Tests:** All routine test & acceptance tests as per relevant standards and Specification shall be carried out by the vendor on the premises of the Manufacturer Charges for all these tests for all the modules shall be included.
3. **Certificate:** The vendor shall furnish, at its own cost, test certificate for the solar PV module.
4. **Packing:** The vendor shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
5. **Delivery and Documents:** Delivery of the goods should be made within (2 – 3 weeks) Two to Three Weeks from the date of placement of purchase order at National Institute of Solar Energy, Gurugram – Faridabad Road, Gwal Pahari, Gurugram - 122003, Haryana, India.
6. Within 24 hours of shipment, the supplier shall notify the purchaser and the insurance company by cable/telex/fax/e mail/phone the full details of the shipment including contract number, railway receipt number/ AWB etc. and date, description of goods, quantity, name of the consignee, invoice etc. The Supplier shall mail the following documents to the purchaser with copy to the insurance company:
  - i) Copies of the Supplier invoice showing contract number, goods' description, quantity, and unit price, total amount;
  - ii) Acknowledgment of receipt of goods from the consignee(s) by the transporters;
  - iii) Insurance certificate, if any.
  - iv) Manufacturer's/Supplier's warranty certificate;
  - v) Inspection Certificate issued by the Competent Authority, and the Supplier's factory inspection report; and Certificate of Origin.
  - vi) Two copies of the packing list identifying the contents of each package.

The above documents should be received by the Purchaser before arrival of the Goods (except where the Goods have been delivered directly to the Consignee with all documents) and, if not received, the Supplier will be responsible for any consequent expenses.

7. **Insurance:** For delivery of goods at the purchaser's premises, the insurance shall be obtained by the Supplier to an amount equal to 110% of the value of the goods from "warehouse to warehouse" (final destinations) on "All Risks" basis including War Risks and Strikes.
8. **Transportation:** Where the Supplier is required under the Contract to transport the Goods to a specified place of destination including insurance, as shall be specified in the Contract, the transportation shall be arranged by the Supplier, and the related cost shall be included in the Contract Price.
9. **Warranty:** The vendors must provide full comprehensive warranty certificate for a period of 1 year.
10. **Payment:** 100% payment shall be made against Letter of Credit.
11. **Taxes and Duties:** Suppliers shall be entirely responsible for all taxes, duties, license fees, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser. Being the purchases for scientific purpose, the customs/Excise duty exemptions are applicable.
12. **Applicable Law:** The Contract shall be interpreted in accordance with the laws of the Union of India and all disputes shall be subject to place of jurisdiction in Gurugram, Haryana.
13. **Rejection of Tender:** Incomplete, conditional, fax, late tenders will be rejected summarily. Director General, National Institute of Solar Energy reserves the right to reject any or all the tenders at his discretion without assigning any reason thereafter.

THE FOLLOWING FORMS TO BE FILLED BY THE BIDDER as part of the Technical Part of the Bid.

- (i) Manufacturer's Authorization Form
- (ii) Certificate of experience of two similar jobs.

Notes:

- a) NISE, Gurugram reserves right to accept or reject any or all applications without assigning any reasons.
- b) OFFERS with INCOMPLETE INFORMATION ARE LIABLE TO BE REJECTED, which may be noted.

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

## National Institute of Solar Energy

Gurugram-Faridabad Road, Gwal Pahari, Gurugram -122 003, Haryana

**Subject: Procurement of Fifteen (15) High efficiency Passivated emitter and rear cell technology Modules for reliability study**

### SPECIFICATION OF PERC MODULE

#### PHYSICAL PARAMETERS

S.no	Parameter	Requirement
1	Module Dimensions (Maximum)	1675 mm x 1001 mm x 50 mm
2	Cell Type	Monocrystalline PERC
3	Number of cells	60
4	Frame Material	Black or clear anodized aluminum alloy
5	Glass	AR Coated tempered glass with high transmission
6	Type of frame	With 'E' or modified 'E' channel cross section
7	Cell Dimension (Minimum)	156 mm x 156 mm
8	Back	White
9	Connector	MC4 Compatible

#### ELECTRICAL PARAMETER

S.no	Parameter	Requirement
1	Peak power Watts-Pmax (Wp)	280-300 W
2	Number of bypass Diodes	3
3	Junction Box	IP 65, IP 67 rated or equivalent rated

#### CERTIFICATION AND WARRANTIES

S.no	Parameter
1	IEC 61215 Or UL Certification
2	Product Warranty -20 Years
3	I-V required for each Module

**Price Bid Format**  
**(Tender No. 01/12/03/2016/NISE-II (SPV))**  
(on Company's Letterhead)

Ref No.

Date:

**PRICE BID**

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

**Subject: Procurement of Fifteen (15) High efficiency Passivated emitter and rear cell technology Modules for reliability study**

S No	Item Description	Basic Price (in Rs) (or in any Currency*)	Taxes (in Rs) (or in any Currency*)	Other Charges (if any) (in Rs) (or in any Currency*)	Total (in Rs) (or in any Currency*)
	<b>Total</b>				

\*Please specify the currency clearly.

Amount (in words) Rupees

Signature: \_\_\_\_\_

Name of the Representative Submitting the Bid:

Designation:

Company Seal