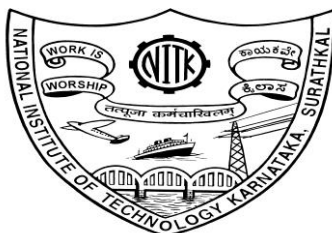


# NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

DEPARTMENT OF Mining Engineering  
 POST SRINIVASNAGAR, MANGALORE – 575 025 (D K)  
 Phone: (0824) 2474000. Fax: (0824) 2474033  
 E- mail: [info@nitk.ac.in](mailto:info@nitk.ac.in) Website: <http://www.nitk.ac.in>



## NOTICE INVITING QUOTATION

Notification. No:.....MIN/ED/1040A/2022.....

dated: 28/11/2022....

<b>Name of Goods</b>	A Set up for Adaptive Modelling of Bifacial Solar Module
<b>Estimated Amount:</b>	1.2 Lakhs (Including GST)
<b>Time for Supply of item after release of Purchase order</b>	30 (Days)
<b>Document Download / Sale Start Date</b>	14/12/2022
<b>Clarification Start Date</b>	14/12/2022
<b>Clarification End Date</b>	19/12/2022
<b>Bid Submission Start Date</b>	15/12/2022
<b>Last Date for submission of bids</b>	7/01/2023 <b>before 3.00 PM</b>
<b>Bid Opening Date</b>	09/01/2023 <b>before 3.30 PM</b>
<b>Address for Submission of bids</b>	HOD, Department of Mining Engg., NITK, Suarthkal, Ph. No:8889834907. <a href="mailto:bkunar@nitk.edu.in">bkunar@nitk.edu.in</a>



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Date: ...28/11/2022....

**TICE INVITING QUOTATION (NIQ)**

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an Institute Of National Importance Under Ministry of Education Govt of India, imparting Technical Education and engaged in Research Activities. It is proposed to procure the items for the departmental academic/research activities.

Sealed Quotations as per the Price Schedule given in this NIQ are invited for the following items subject to the terms and conditions, from the reputed manufacturers or its authorised dealers so as to reach on or before scheduled date and time. The quotations in the firm's Business letter head should be address to the "Director, NITK, Surathkal". The envelope shall be superscribed with the Quotation Notification Number and the Name of the Goods for which quotation is submitted.

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**Sd/-  
HOD**

Note: Institute shall not be responsible for any postal delay about non-receipt /non-delivery of the bids or due to wrong addressee.

**SECTION-1**  
**Terms and Conditions**

1. The rates should be quoted for preferably FOR destination from supply within India.
2. The bidder shall indicate the excise duty exemption for the goods if applicable.
3. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any. The rate should be quoted in INR only
4. Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training.
5. Payment: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier.
6. Guarantee/Warranty period should be specified for the complete period should be specified in section 3 of this tender document.
7. Period requirement for the supply and installation of item should be specified in section 3 of this tender document.
8. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.

**SECTION-2**  
**SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS**  
[ To be filled up by the Department / Centre of NITK, Surathkal ]

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Item(s) Name to be Procured : A Set-up for Adaptive Modelling of Bifacial Solar Module

Brief Specifications of the Item(s)  
(Attach Additional Sheet if necessary) : ATTACHED

Quantity : 01

Any other details / requirement : NO

Warranty Period required : 1 YEAR

Delivery Schedule expected  
after placement of Purchase order  
(in Weeks) : 4 WEEKS

**SECTION 3  
PRICE SCHEDULE**

[ To be used by the bidder for submission of the quotation]

- 
1. Item Name :
  2. Specifications  
(Conforming to Schedule of requirements  
Enclose additional sheets if necessary) :
  3. Currency and Unit Price :
  4. Quantity :
  5. Item Cost (Sl No. 3 \* Sl. No. 4 ) :
  6. Taxes and Other Charges :  
(i) Specify the type of taxes and duties  
in percentages and also in figures.  
(ii) Specify Other Charges in figures.
  7. **Warranty Period** :  
**(Conforming to the Schedule of requirements)**
  8. Delivery Schedule :  
(Conforming to the Schedule of requirements)
  9. Name and address of the Firm for  
placing purchase order :
  10. Name and address of Indian authorized  
agent ( in case of imports only) :

**Signature of the Bidder:** \_\_\_\_\_

**Name and Designation:** \_\_\_\_\_

**Business Address** : \_\_\_\_\_

\_\_\_\_\_

**Place:**

**Date:**

**Seal of the Bidder's Firm**

**SECTION 4**  
**CONTRACT FORM**

[ To be provided by the bidder in the business letter head]

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1. (Name of the Supplier's Firm) hereby abide by the delivery schedule mentioned in this document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in this document without any defect and deviations.
3. Warranty will be given for the period mentioned in this document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

**Signature of the Bidder:** \_\_\_\_\_

**Name** : \_\_\_\_\_

**Business Address** : \_\_\_\_\_

\_\_\_\_\_

**Place :**

**Date :**

**Seal of the Bidder's Firm**

## Specification for A set-up for Adaptive Modelling of Bifacial Solar Module

### 1. Nexus 580W 24V N Type Half-Cut Bifacial Solar Panel

Solar Panel Type	Mono PERC
Operating (Nominal) Voltage	24V
Number of cells	144 cells
Frame Material	Aluminum
Wattage	580W
Model area(cm <sup>2</sup> )	25855.19
Irradiance(mW/cm <sup>2</sup> )	100.21
Vmp(V)	41.924
Voc(V)	49.4657
F.F	79.36
Ambient Temp	25
Imp(A)	13.8921
Isc(A)	14.837
Pmp(W)	582.4118
Module eff.(%)	22.48

2. Supply of AC distribution box (ACDB), DC distribution box (DCDB),  
Installation & Commissioning Charges.


3. KPTCL Net Meter

4. 1 hp motor.

Buyer

  
Dr. B.M. KUNAR

HOD

  
29/11/2022  
Dr. ARUNA. M  
Head

Department of Electrical Engineering  
National Institute of Technology Karnataka, Surathkal  
P.O. SURATHKAL - 575 025  
Karnataka State, India