

FORM NO. XPR14/M2/0995/24  
**IT I LIMITED**  
MIRZAPUR ROAD, NAINI , ALLAHABAD- 211010 ( U.P. ) ,INDIA

E -MAIL:[enqcellx\\_nni@itild.co.in](mailto:enqcellx_nni@itild.co.in)  
ENQUIRY NO.NXG0E0001

WEB-SITE:<http://www.itild.in>  
DATE:21.07.2020

DUE DATE :04.08.2020 upto 04:30 PM  
OPENING DATE: 05.08.2020 at 11:00 AM

DEAR SIR,

PLEASE QUOTE YOUR LOWEST RATES AND BEST DELIVERY TERMS IN THE PRESCRIBED EXEL FORMAT AVAILABLE ON <http://www.itild.euniwizarde.com> FOR THE FOLLOWING ITEMS ON THE TERMS AND CONDITIONS (ANNEXURE I) ENCLOSED HERE WITH. **No hard copies will be entertained in any manner.**

ITEM NO.	DESCRIPTION OF MATERIAL AND ITI CODE	QUANTITY REQUIRED	DRAWING OR TECHNICAL SPECIFICATION	DELIVERY REQUIRED
1.	Solar Cell (Poly Crystalline)-5BB, Minimum 4.57 Wp (Tolerance -0%, +2%)(156.75mm x 156.75 +/- 0.25 mm Code:ND9A30012A1B457	531360 Nos.	Attached	4 to 8 weeks from date of PO.

OFFER MUST BE SUBMITTED ONLINE ONLY.

- NOTE:** Bidder must ensure that offered item is as per Technical specification.
- Bid must be submitted in two Covers (Two Bid System) with Our Enquiry No. and due date.**
  - Technical Bid with Compliance sheet of Technical specification, acceptance of Tender General term and condition. & consent for Pre –contract Integrity pact.
  - Commercial bid to be submitted along with HSN code (in 8 digit) of offered part No, GST rate, Basic price etc.
  - Bid should be submitted on line on the above mentioned portal.
- Vendor's compliance must be provided for offered product against parameters of Technical Specification & same to be submitted along with the technical bid.
- The detailed General Terms and conditions for submission of Tender –Inland (Annexure I) (which is an integral part of this tender enquiry) are attached. Compliance of this must be submitted with tender technical bid otherwise it will be presumed that the same are acceptable to the bidder.
- TERMS OF PRICE: FOR, ITI LTD WORKS, NAINI, should be quoted in INR.**
- TERMS OF PAYMENT:** Rates should be as per Normal Terms of Payment (NTP) of ITI Ltd i.e. 60 days credit from the date of receipt of material. However, ITI prefers long credit period. For any variation in payment terms quoted by different Vendors, loading in the comparative statement will be made suitably. No advance payment terms are acceptable.
  - Payment will be made for the accepted quantity only. **NO PAYMENT WILL BE MADE FOR THE REJECTED QUANTITY**
  - Applicable GST Tariff & compliances will over rule Sl. 5,6 & 17 in Annexure I
- Supplier must mention MOQ (Minimum ordering quantity)
- Supplies should be made from the latest batch of production.
- Batch no. should be indicated on component, packet & delivery challan.
- Test Certificate / Checklist should accompany each supply.
- Goods will not be accepted if above instructions are not followed.
- Tech. leaflet/ordering information should be enclosed with quotations.
- No conditional offer is acceptable.
- Vendors should give consent to sign the enclosed pre- contract Integrity pact . Integrity pact has to be signed with the qualified bidder immediately after placement of PO. Those bidders who are not willing to sign Integrity pact will not be considered for bid processing.
- As GST is implemented, Following information are mandatory to mention along with quotation
  - Vender Name
  - Address
  - PAN No. along with Photocopy of PAN

- Copy of GSTIN Registration

16. For any clarification, e-mail to [engcellx\\_nni@itild.co.in](mailto:engcellx_nni@itild.co.in), Phone No: 0532 -2687379/ MOB:9795836788

17. You may be present at the time of tenderopening.


**SPECIAL NOTE :-**

- A. PLEASE SUBMIT YOUR OFFER ONLINE WITHIN DUE DATE.
- B. The party may indicate whether they fall under purview of MSME Act 2006 and if so the certified copy of relevant valid registration certificate as a proof may be submitted along with the tenderbid. In case such certificate is not produced at the time of bid party will not be considered to be falling under this category.
- C. Our Organization is ISO 14001 Certified Company .Offers should be in compliance with ISO 14001 requirement.  
Please visit our web-site:<http://www.itild.in>,<http://www.itild.euniwizarde.com> for detail. For any clarification please feel free to contactus.

**Yours faithfully,  
For ITI LIMITED**



**Purchase Officer**

2/ct


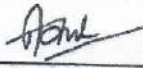
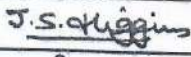

 ITI Limited	<b>TECHNICAL SPECIFICATION</b>	Code	ND9A30012A1B457
	<b>Poly-Crystalline Solar Cell</b>	Used in	SPV Module (325W)

Disclaimer  
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Parameter	Specification
Solar Cell	Multi-Crystalline Silicon Solar Cell
Dimension	156.75mm X 156.75mm ± 0.25mm
Thickness	Over all cell 200µm ± 20µm (Typical)
Colour	Light Blue/ Blue/ Dark Blue/ Indigo
Anti reflection coating	Anti-reflecting coating (Silicon Nitride) (PID Free)
Bow	< 2 mm
Front Contact (-ve)	5 nos., 0.7 mm +/- 0.1 mm (Typical) wide Silver Bus Bar (Continuous or discrete)
Back Contacts (+ve)	5 nos., 1.5 mm +/- 0.1mm (Typical) wide Silver Bus Bars with Aluminium back surface field (continuous or discrete)
Bus Bar Distance	31.2 mm ± 0.2 mm
Solderability	Good solderability of bus bars with Copper Ribbon coated with SnPbAg (36-62-2) Peel strength >1.5 N/mm
Cell Efficiency at STC	18.60% (Typical)
Cell Power (P <sub>m</sub> ) at STC	Minimum 4.57 W <sub>p</sub> (Tolerance-0%, +2%)
Short Ckt Current, I <sub>sc</sub>	8.95 A (Typical)
Current at MPP (I <sub>mp</sub> )	Better than 8.45 A
Open Ckt Voltage, Voc	0.635 V (Typical)
Voltage at MPP (V <sub>mp</sub> )	0.541 V
Fill Factor	80 % (Typical)
I <sub>rev</sub>	I <sub>rev</sub> @ -12V, < 2.0 A (Typical)
Temperature Coefficient	I <sub>sc</sub> (Alpha): 0.04%/K or better
	V <sub>oc</sub> (Beta): -0.32%/K or better
	P <sub>mpp</sub> (Gamma): -0.39%/K or better
All cells shall be free from following visual defects- 1. Edge Chipping, Edge Broken. 2. Micro Cracks, Pin Holes. 3. Discontinuity of metal printing lines. 4. Any spot, spillage or spear of paste. 5. Colour variation of ARC. 6. Non uniform printing or spreading of fine lines.	

Prepared By		M(TS)	Rev	1
Checked By	J. S. Higgins	CM(WCA)	Issue	1
Approved By		AGM (P&MM)	Date	14.05.2020
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 ITI Limited	<b>TECHNICAL SPECIFICATION</b>		Code	ND9A30012A1B457
	Poly-Crystalline Solar Cell		Used in	SPV Module (325W)
<b>General Requirements</b>				
1. Point wise Compliance statement of the Technical Specification including general terms and condition along with complete catalogue must be attached with the technical bid.				
2. Specify OEM details and Part no. of the offered product (not other product).				
3. Vendor to furnish customer references.				
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Prepared By		MCTS)	Rev	1
Checked By		CM(WAQ).	Issue	1
Approved By		AGM (P&MM)	Date	14.05.2020
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## PRE-CONTRACT INTEGRITY PACT

### GENERAL

This pre-bid pre-contract agreement (hereinafter called the Integrity Pact) is made on ..... day of ..... the month of ..... , between, ITI Limited, Naini Plant, Mirzapur Road Naini, Allahabad-211010, Uttar Pradesh, India, (hereinafter called the "BUYER", which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and

..... (*address of the Bidder*)  
(hereinafter called the "BIDDER " which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the BUYER proposes to float a tender Ref..... for supply, installation, integration and commissioning ( ~~strik off whichever is not applicable~~ ) at its premises as per the specification in the attachments (*name of the product*) and the BIDDER is willing to participate in Bid as per the terms and conditions mentioned thereon;

WHEREAS the BIDDER is a private company/public company/Government undertaking/partnership company (~~strike off whichever is not applicable~~), constituted in accordance with the relevant law in the matter and the BUYER is a PSU under the Department of Telecommunications, Ministry of Communications & IT, Government of India.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to :-

Enable the BUYER to select a firm for supply, installation, integration and commissioning ( ~~strik off whichever is not applicable~~ ) at its premises as per the specification in the attachments (name of the product) through the tender in a transparent and corruption free manner, and