TECHNICAL SPECIFICATION Code ND9A30012A1B457 Poly-Crystalline Solar Cell ITI Limited Used in SPV Module (325W) (COPY RFIGHT AND COFIDENTIAL) The information in this document is the property of ITI Limited It must not be Parameter Specification Multi Crystalline Silicon Solar Cell Solar Cell Dimension 157mm X 157mm ± 0.25mm Over all cell 200µm ± 20µm Thickness used directly or indirectly in any way detrimental to the interest of the company Light Blue/ Blue/ Dark Blue/ Indigo Colour Anti-reflecting coating (Silicon Nitride) (PID Anti reflection coating 5 nos., 0.7 mm +/- 0.1 mm (typical)wide Silver Bus Front Contact (-ve) Bar (Continuous or discrete) 5 nos., 1.8 mm +/- 0.1 mm (typical) wide Silver Back Contacts (+ve) Bus Bars with Aluminium back surface field (continuous or discrete) Bus Bar Distance 31.2 mm± 0.2 mm Good solderability of cell front & back contacts with Solderability Copper Ribbon of SnPb (60-40) Cell Efficiency at STC 18.60% (minimum) Minimum 4.57 Wp (Tolerance-0%, +2%) Cell Power (Pm) at STC Short Ckt Current, Isc 8.95 A (Typical) Better than 8.45 A Current at MPP (Imp) 0.635 V (Typical) Open Ckt Voltage, Voc 0.541 V Voltage at MPP(Vmp) 80 %(Typical) Fill Factor Isc (Alpha): 0.04%/K or better -0.36%/K or better Voc (Beta): Temperature Coefficient Pinpp (Gama): -0.40%/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.

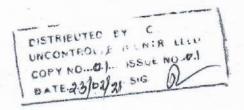
6. Non uniform printing or spreading of fine lines.

Prepared By	Pradick Bilys	ATECTS)	Rev	2
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Checked By	Hans-	M(TS)	Date	20.02.2021
Approved By	J.S. Huggins	cm(w)	Page	1/2

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ITI Limited			Code	NDIAS	0012/11043		
	Poly	·Crystalline Solar Cell	Used in	SPV M	odule (325W)		
(COPY RFIGHT AND COFIDENTIAL) The information in this document is the property of ITI Limited It must not be used directly or indirectly in any way detrimental to the interest of the company		General Requ	e iirements				
	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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STANDARD INFORMATION

- 1.Tender Title : Solar Cell
- 2.Tender Ref. No.:- NPH1E0001
- 3. Product category :- Miscellaneous Goods
- 4.Product subcategory :- N/A
- 5.Tender Value :- Rs. 96.51 Lakh (Approx)
- 6.Tender EMD :- N/A
- 7.Tender Document cost :- Nil
- 8.Tender Type :- Buy
- 9. Location: ITI LTD. NAINI PRAYAGRAJ (ALLAHABAD)
- 10.First Announcement date / time :-05.08.2021
- 11.Last date / time for submission :-18.08.2021/05:00 PM
- 12. Opening date / time :- 19.08.2021/11:00 AM
- 13. Work description :- As per Tender
- 14.Pre-qualification :- N/A