

Annexure – I/ Rev. 01

TENDER REF: EPD/PV/JUNCTIONBOX/21114

Item : JUNCTION BOX

REVISED Qty. : 1,70,100 SETS

	Quantity required is changed. Revised quantity is 1,70,100 SETS	
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Clauses from ITB

E. Purchaser's Standard Commercial Terms :-

1. Unless specified otherwise in the RFQ , following are the Purchaser's standard commercial terms:-

Sl No	Description	For Purchase within India	For Foreign Purchase(Direct Imports)
i	Delivery Terms	Door Delivery to BHEL – EPD Stores ,Bangalore with Freight and Insurance paid	CIF ICD BANGALORE
ii	Payment Terms	<u>100% direct payment with 45 days credit from the date of</u> a) Receipt of material for Door delivery BHEL stores	100% against sight draft with 45 days credit on negotiation of complete set of documents
iii	Reckoning of Delivery Date	<u>For Door Delivery at BHEL Stores:-</u> Date of receipt of material at BHEL Stores.	<u>For Delivery Terms of CIF/CIP/ FCA / FOB</u> Date of House Airway Bill(HAWB) / Bill of Lading / Date of receipt by BHEL's Freight Forwarder whichever is earlier
iv.	Penalty for Delayed Delivery	As per clause 15 of General Conditions of Contract (DOC .NO.BHEL :EPD:GCC-SHOP:REV:00)	
v	Cancellation/ Termination of Contract & Risk Purchase	As per Clause 24 of General Conditions of Contract (DOC.NO.BHEL:EPD:GCC – SHOP :REV:00)	

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F. Commercial Deviations / Offered Terms & Loading of Offers :-

Unless specified otherwise in the RFQ and if the Purchaser decides to accept offers with deviations in respect of the standard commercial terms given at Clause No. E1 above, such offers will be subjected to loading on the **quoted basic material value** as detailed below:-

SI No	Deviation on	Nature of Deviation / Offered Terms	Loading %
i	Delivery Terms	<u>For purchase within India :-</u> Other than SI No.1 (i) of clause E above.	10
ii.	Payment Terms	<u>For purchase within India :-</u> 1) Payment against receipt & acceptance of material with 45 days credit from the date of receipt of material.	0
		<u>For foreign purchase :-</u> 1) Payment through Letter of Credit with usance credit of 45 days from the date of B/L	5
		2) Sight Draft with credit period of 45 days from the date of B/L	0
iii	Penalty for Delayed Delivery	1) Non – Acceptance	10
		2) Partial Acceptance (X%)	(10 – X)

* All bank charges shall be to seller's account. If bank charges of BHEL banker are to BHEL's account then **additional loading of 2% on the quoted basic value** is applicable.

NOTE: Offer/ s with payment terms other than the standard payment terms indicated at E1(ii) or Deviated Payment Terms with loading indicated at F(ii) above are liable for rejection.

START OF DELIVERY PERIOD: - DELIVERY PERIOD WILL START FROM THE DATE OF LC FOR FOREIGN VENDORS IF HE QUOTES PAYMENT AGAINST LC INSTEAD OF DATE OF PO.



Electroporcelains Division
Bengaluru – 560012, India

PS 901 02 0005

Purchase Specification
Group : Photovoltaic Module

Rev No : 01

Page 01 of 01

JUNCTION BOX FOR PV MODULE

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|------|----------------------|--|
| 1.0 | Item | : Junction Box with cover and PV Connectors |
| 2.0 | Application | : For connecting PV modules & power evacuation |
| 3.0 | Rated Current | : 12 A minimum |
| 4.0 | Rated Voltage | : 1000 VDC minimum |
| 5.0 | Degree of Protection | : IP 67 |
| 6.0 | Certification | : TUV / UL Approved |
| 7.0 | Temperature Range | : -40° C to + 85° C |
| 8.0 | Diode Connection | : Screwed Down |
| 9.0 | No. of Terminals | : 4 (Four) |
| 10.0 | No. & Type of Diodes | : 3 Nos Schottky Diodes (20A, 40V) |
| 11.0 | No. of Glands | : 2 (Two) – to suit 4 sq. mm copper cable. |
| 12.0 | Connecting Cables | : 2 numbers of 4 Sq.mm – 100 cm length, copper with tin plated |
| 13.0 | Type of Connectors | : MC-4 compatible clip on type |
| 14.0 | Ribbon Width | : Suitable for 6 – 8 mm |
| 15.0 | Housing Material | : PPE / PPO (Black Color) |
| 16.0 | Contact Terminal | : Copper – tin plated |

NOTE:

The Junction Box shall be TUV Certified to the standard as follows :

Junction Box : EN 50548:2011 +A1

Connectors : EN 50521:2008 +A1

Cables : 2PFG 1169/09.07

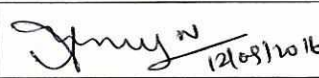
Test Certificate to be provided along with the offer.

INSPECTION AT BHEL:

- Visual Inspection, Dimensional & Properties evaluation
- Single Sampling Plan as per IS:10673-1983, Special Inspection Level S-4, AQL 1.0

PACKING CONDITIONS:

- The cable shall be wound and tied, the junction boxes shall be packed in carton box.
- Each carton shall have manufacturers label containing:
 - Manufacturers Name
 - Lot No
 - Quantity
 - Date of Manufacture
- Final packing box shall have a label containing BHEL Purchase Order No. and Date
- Each lot must be accompanied with Test Certificate

Prepared By: PK	Reviewed By: NAR	Approved By: CNP	Date of Issue
	 12/09/2016	 12/9/16	12.09.2016