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प्लाज्मा अनुसंधान संस्थान
INSTITUTE FOR PLASMA RESEARCH
परमाणु ऊर्जा विभाग, भारत सरकार का एक सहायता प्राप्त
संस्थान



An Aided Institute of Department of Atomic Energy,
Government of India

इन्दिरा पुल के पास, भट, गांधीनगर - 382 428 भारत
दूरभाष: (079) 2396 2020/2021/2028
फैक्स: 91-079-23962277
वेब: www.ipr.res.in

NEAR INDIRA BRIDGE, BHAT
DIST. GANDHINAGAR - 382 428 (INDIA)
Phone: (079) 2396 2020/2021/2028
Fax : 91-079-23962277
Web : www.ipr.res.in

ENQUIRY

ENQUIRY NO : IPR/EQL/18-19/300
Date : 05-12-2018

Due on : 03-01-2019 by 1:00 PM IST

Please send your offer in sealed envelope specifying Enquiry No, Date & Due Date, ALONG WITH your credentials for the following items:

Important Note:

Please note that e-mail quotations are not acceptable however you may send your queries (if any) to localpurchase@ipr.res.in

Please ensure your sealed quotation reaches this office not later than above mentioned due date and time.

Kindly go through the following documents properly before quoting which are available on the IPR web portal i.e., http://www.ipr.res.in/documents/tender_terms.html / attached herewith.

- 1) Instructions to the bidders & Terms and conditions (refer Form No: IPR-LP-01.V4)
- 2) Bidding format

GST for Goods and Services (IGST/CGST/SGST TAX BENEFITS): Please refer clause no: 8 of Form No: IPR-LP-01.V4

QUOTATION SHOULD BE ADDRESSED TO PURCHASE OFFICER ONLY

Sr No	Description	Quantity
1	Supply of control panel.	1.0 Nos.

Note: (1) PI.refer to the attached specifications sheet.
TDS as per CGST Act: As per provisions of section No. 51 of the CGST Act 2017, TDS @2% (IGST 2% or CGST 1% and SGST 1%) will be deducted while making payment to the suppliers where total value of orders/contracts/work orders exceeds Rs. 2.5 lakhs, in the event of order in Indian Rupees. Necessary TDS Certificate will be issued to the supplier after TDS deduction.

Encl: As per attachment.

Sd/-

Mr. D. Ramesh
Purchase Officer-II

Technical specifications for control Panel

Supply of control panel duly wired with;

- Digital Input (No. of channels : 12)
- Digital Output (No. of channels : 24)
- Analog Input (No. of channels : 40)
- Analog Output (No of channels : 12)

IPR will provide cRIO (NI make, Model cRIO-9030 (1 No.) with NI-9205 (1 No.), NI-9265 (1 No.), NI-9381 (1 No.) & NI-9403 (1 No.)) as Free Issue Material (FIM) to vendor for assembling this system with following items in the control panel.

Following items to be provided by vendor with the Panel

IPR Requirements			
Sr. No	ITEM	Specification	Quantity (Nos.)
1	Power Supply	24 VDC 5 Ampere	1
2	Panel Specification	Standard Electronics panel must include all components under the procurements with industrial standard space. ENCLOSURE: (APPROX1300X900X300 WHD) Color : Light Grey (RAL 7035)	1
3	Panel light	LED light 20 watt or more	1
4	Fan	Fan with dust covers & protection	1
5	Switch	Emergency stop switch	4
6	Hooter	Audible hooter 24 VDC	1
7	Terminal blocks	terminal blocks for each input output of PLC	1
8	Sockets	AC plug sockets	As per Inputs outputs
9	MCB	Input Power MCB reputed make	2
10	Switch	Panel switch on front door	1
11	Relay Board	Relay board for Digital Output 16 channels	1 (As Required for 16 No of channels)
12	MCB	Single pole MCB 10 A	08
13	SSR	Solid State Relay Controlled input 5V DC Output: AC to AC Single Phase, 25A with rail mount heat sink. (Make : Unison, Omron or equivalent)	08
14	Fuse & Fuse Socket	Fuse with fuse socket 10A (Make : Schneider, Deltron, L&T or equivalent)	08
15	Indicators	230 VAC Panel Indicators	24

16	RTD Isolators	Isolator for analog input channels 08 channels. (Make : Radix, MASIBUS, Sape Instrument Ltd. or equivalent)	As Required for 08 No of channels
9	Analog Isolators	08 channels analog isolators Input -0-10 V dc Output - 0-10 V dc MASIBUS make Field Interface board MAS-AI-08-D or equivalent reputed make	As Required for 44 No of channels
10	Wiring	Standard PLC Electrical wiring for all inputs & output wired up to terminals with tagging. Distribution of single phase AC power to all SSRs. Quality electrical wire for panel wiring.	As Required for entire panel wiring.

NOTE : Vendor should provide detailed wiring diagram & item data sheet/ catalogues along with the delivery.

IPR acceptance criteria:

Panel pre-dispatch inspection will be carried out by IPR staff for acceptance before delivery.

Delivery:

The delivery should be made within eight weeks after placement of the purchase order. Vendor should supply the material at IPR, Gandhinagar.

Warranty:

At least one year standard warranty from the date of acceptance against all sorts of manufacturing defects, faulty and poor workmanship.