

This file has been cleaned of potential threats.

To view the reconstructed contents, please SCROLL DOWN to next page.



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](http://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](http://www.ipr.res.in)

### ENQUIRY

ENQUIRY NO : IPR/EQL/18-19/289  
 Date : 30-11-2018

**Due on : 27-12-2018 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](mailto: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](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	Multichannel Programmable Power Supply as per specification attached	3.0 Nos.

Note: 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

**Information to Vendors:** We are working towards a single platform for our future requirement. Hence, please refer IPR website i.e, <http://www.ipr.res.in/documents/tendersenq.html> for our future requirement.

## Compliance Form

### for 3 channel programmable Power supply

S.No	Parameters	Detailed Specifications	Vendor's Specification
1	No. of Channels	3 Independently programmable	
2	Output Voltage	<b>Adjustable: 0 to 32 V for two Channels</b> <b>Adjustable :0 to 5V for single channel</b>	
3	Output Current	<b>Adjustable: 0 to 3A for all 3 channels</b>	
4	Output power	195 W (Shared Power).	
5	Over Voltage/Over Current Protection (OVP/OCP) with LED display.	Adjustable for each channel	
6	PC interface	USB, UART, ethernet	
7	Setting Resolution : Voltage Current	10 mV or better 1 mA or better	
8	Setting Accuracy: Voltage Current	<0.06 % + 20 mV <0.2 % + 10mA	
9	Measurement accuracy: Voltage Current	<0.05 % + 20mV <0.05 % + 10mA	
10	Recovery time after a load step from 10...90 % for return within a $\pm 10$ mV window:	<100 $\mu$ s	
11	Temperature coefficient / $^{\circ}$ C: Voltage Current	1.1 % + 2 mV 0.02 % + 3 mA	
12	Display	LCD Screen must display all 3 Channel's Output; Voltage, Current and Power simultaneously	
13	Memory	Setup memory locations Provision for Storing Device settings	

14	Operating temperature	0...+40 °C	
15	Storage temperature	-20...+70 °C	
16	AC Input	230 V±10 %; 50...60 Hz, CAT II	
17	Output Ripple and noise(20Hz-20MHz)	Voltage: not more than 1mVrms/5mVp-p Current: not more than 6mA rms	
18	Over temperature Coefficient	Supply will automatically cut-off if internal temperature exceeds 85°C	
19	Front-end power connections	Power Outputs in the form of banana jacks	