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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**



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दूरभाष: (079) 2396 2020/2021/2028  
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## ENQUIRY

ENQUIRY NO : IPR/EQF/19-20/003  
Date : 04-04-2019

**Due on : 16-05-2019 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 which we are interested to import directly against Foreign Trade Policy 2015-2020.

### Important Note:

Please note that e-mail quotations are not acceptable however you may send your queries (if any) to [importpurchase@ipr.res.in](mailto:importpurchase@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-FP-01.V3**)
- 2) Bidding format

**GST for Goods and Services (IGST/CGST/SGST TAX BENEFITS):** Please refer **clause no: 14** of Form No: **IPR-FP-01.V3**

### QUOTATION SHOULD BE ADDRESSED TO PURCHASE OFFICER ONLY

Sr No	Description	Quantity
1	D. C. Power Supply 600V/1.4A	3.0 Nos.

Note: 1. Please quote with complete technical details (Technical compliance sheet and product data sheet).  
2. 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 attached.

Sd/-

Mr. D. Ramesh

**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.

## Specification of D. C. Rack Power Supply

S/N	IPR Specification	
1	Power Supply Type	D. C.
2	Nos. of Output	1
3	Output Voltage	0-600 V
4	Output Current	0-1.2 A
5	Output Polarity	Floating w.r.t. ground
6	Operating mode	CC and CV mode (both)
7	Input for Power Supply	1Ph, 230V $\pm$ 10%, 50Hz
8	Line Regulation Voltage ( % )	0.01% of FSV +2 mV
9	Line Regulation Current ( % )	0.01% of FSI +2 mA
10	Output Ripple	$\leq$ 300 mV (p-p, 20 MHz)
11	Output Noise	$\leq$ 60 mVrms (300 kHz)
12	Display meter	Dual 3-1/2 digit, LED /LCD or Better
13	Protection	OVP, OCP, OTP
14	Efficiency (%)	85 or better
15	Transient Response ( $\mu$ Sec)	2000
16A	Load Regulation Voltage ( % )	0.01% of FSV +2 mV
16B	Load Regulation Current ( % )	0.02 of FSI +5 mA
18	Operating Temperature Range ( $^{\circ}$ C)	0 to 50
19	Operating Humidity Range (%)	30 -90RH
20	O/P response time within 1% of rated o/p with a resistive load	250ms or better
21	O/P response time within 1% of rated o/p with no load	4000msec or better
22	Read back Resolution	
22A	DC Power Supply Current (in mA)	0.2 or better
22B	DC Power Supply Voltage ( in mV)	72 or better
23	Setup Resolution	
23A	DC Power Supply Current (in mA)	0.2 or better
23B	DC Power Supply Voltage( in mV)	72.00 or better
24	Input and Output interface	USB, RS232/485. Analog
25	Accessories to be supplied	Software CD and Power Cord
26	Availability of Type tests reports from Central Government lab OR ILAC or their worldwide affiliated/ recognised labs OR NABL approved lab showing conformity to the specifications	Require
27	Certificates	CE, EN 61010, cCSAus

### Compliance sheet for D. C. Rack Power Supply

S/N	IPR Specification	Vender Specification
1	Power Supply Type	D. C.
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**Bidder's Official Stamp and Sign:**

**Date:**