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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 2000/2026/2332
Fax : 91-079-23962277
Web : www.ipr.res.in

ENQUIRY

ENQUIRY NO : IPR/EQF/18-19/134
Date : 27-09-2018

Due on : 01-11-2018 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 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

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-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	120 kV, 10 mA Bench top/Rack mounted Positive polarity DC power supply	1.0 Nos.

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

Encl: Other details are as per attached specification sheet.

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.

Specifications of Bench-Top/Rack Mounted High Voltage Power Supply

Sr. No.	Technical Particulars	IPR Requirements/Values
1.0	Rated Output Voltage (DC)	120 kV (Positive Polarity)
2.0	Rated Output Current (DC)	10 mA
3.0	Rated Output Power	1200 W
4.0	Input Supply Voltage (AC)	220 V \pm 10%
5.0	Input Supply Frequency	50 Hz \pm 3%
6.0	Power Efficiency	> 80 %
7.0	Control Mode	Both constant current (CC) and constant voltage (CV) mode
8.0	Voltage Regulation	Load Regulation: < 0.05 % (from no-load to full-load) Line Regulation: < 0.05 % (for \pm 10% variation of AC supply voltage)
9.0	Current Regulation	Load Regulation: < 0.05 % Line Regulation: < 0.05 %
10.0	Ripple	< 0.2 % p-p
11.0	Metering	Digital voltage and current meters, 3-1 /2 digit \pm 1 least significant digits.
12.0	Status Indications	<ol style="list-style-type: none"> 1. CC/CV Mode 2. Overcurrent/overvoltage 3. Arc fault 4. Over-temperature
13.0	Front Panel Controls	<ol style="list-style-type: none"> 1. Voltage and current constantly adjustable by suitable potentiometer 2. On/off circuit breaker 3. High Voltage on/off switch
14.0	Output Cable	Suitable Shielded high voltage cable
15.0	Mounting	Bench-Top/Rack mounted
16.0	Regulatory approvals	Compliant to EEC EMC Directive RoHS compliant
17.0	Application Purpose	Capacitor charging/Laboratory high voltage power supply
18.0	Operating Temperature range	0°C to 50°C
19.0	Humidity	10 % to 90 %
20.0	Testing	A list of routine tests shall be submitted along with the offer
21.0	Warranty	The system should be supplied with a minimum warranty of three years from the date of commissioning and final acceptance.
22.0	Delivery period	The material shall be delivered within 4 months from the date of placement of purchase order

Note: In the compliance table pl. write the exact specification.

Pl. do not write 'confirm', 'yes' or 'OK' etc.

Technical compliance sheet of Bench-Top/Rack Mounted High Voltage Power Supply

Sr. No.	Technical Particulars	IPR Requirements/Values	Vendor Specification
1.0	Rated Output Voltage (DC)	120 kV (Positive Polarity)	
2.0	Rated Output Current (DC)	10 mA	
3.0	Rated Output Power	1200 W	
4.0	Input Supply Voltage (AC)	220 V ± 10%	
5.0	Input Supply Frequency	50 Hz ± 3%	
6.0	Power Efficiency	> 80 %	
7.0	Control Mode	Both constant current (CC) and constant voltage (CV) mode	
8.0	Voltage Regulation	Load Regulation: < 0.05 % (from no-load to full-load) Line Regulation: < 0.05 % (for ±10% variation of AC supply voltage)	
9.0	Current Regulation	Load Regulation: < 0.05 % Line Regulation: < 0.05 %	
10.0	Ripple	< 0.2 % p-p	
11.0	Metering	Digital voltage and current meters, 3-1/2 digit ±1 least significant digits.	
12.0	Status Indications	1. CC/CV Mode 2. Overcurrent/overvoltage 3. Arc fault 4. Over-temperature	
13.0	Front Panel Controls	1. Voltage and current constantly adjustable by suitable potentiometer 2. On/off circuit breaker 3. High Voltage on/off switch	
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22.0	Delivery period	The material shall be delivered within 4 months from the date of placement of purchase order	

Date: _____

Bidder's stamp and Sign: _____