



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, भाट, 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/19-20/076
Date : 24-06-2019

Due on : 01-08-2019 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

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	Vacuum compatible connector pairs (Detailed specifications attached)	15.0 Nos.

Note:

1. Delivery Required Within 4 to 5 Months.
2. Please quote with complete technical details (Technical compliance sheet and product data sheet).
3. 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
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/tenderseng.html> for our future requirement.

Technical Specifications

Vacuum Compatible Connector pairs

(Qty required 15 Nos. male + 15 No. female)

The vacuum compatible connector pairs are required to be used for cabling of brushless DC motor and encoder connections inside a vacuum chamber. The connector pairs (male and female both) will be completely housed inside the vacuum chamber and NOT as feedthroughs. The specifications are as mentioned below:

S No.	Parameters	Specifications	Compliance by vendor
1.	Type	D-Sub type	
2.	Ambient Pressure	10^{-7} mbar	
3.	Ambient Temperature	80 deg C or higher	
4.	Baking Temperature	120 deg C or higher	
5.	Material	The material and technology used should be Non Magnetic	
6.	No. of contacts in each connector	Power: ≥ 03 Nos. Signal: ≥ 10 Nos.	
7.	Current Rating	Power: ≥ 10 Amperes Signal ≥ 1 Amperes	
8.	Voltage Rating	Power: 24 Volts DC Signal: 24 Volts DC	
9.	Contact termination type	Crimp/Push on contacts, should not require any soldering	
10.	Back shell	Non-Magnetic, Compatible to ambient conditions mentioned above	
11.	Integration	The supplied connectors must be packaged with contacts along with the back shell	
12.	Accessories	All standard accessories must be included	

Site Acceptance Tests

- The connectors will be tested for the performance inside a test vacuum chamber with operating environment 10^{-7} mbar vacuum and a temperature of 80° C
- The connectors will be tested for the outgassing rate after baking at maximum allowable temperature for 48 hours. The permissible outgassing rate is 10^{-8} mbar-lit/sec.cm²

Bidder's Official Stamp and Sign:

Date: