



प्लाज़्मा 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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428 भारत

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

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## ENQUIRY

ENQUIRY NO : IPR/EQF/19-20/183  
Date : 20-03-2020

**Due on : 18-06-2020 by 1:00 PM IST**

Reminder-1 Dt: 19-05-2020

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	Absolute pressure gauge with controller (Detailed specifications attached)	2.0 Nos.

Note: 1. Delivery required within 16 to 16 weeks from the date of PO.  
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: Refer attached sheets for detailed technical specifications.

**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.

## Compliance sheet for absolute pressure guage with controller

<b>Absolute Guage head</b>		
<b>Parameter</b>	<b>Our requirement</b>	<b>Vendor's specification</b>
Resolution	0.003% FS or better	
Accuracy	0.2% of reading or better	
Measurement range max.	100 mbar	
Measurement range min.	$1 \times 10^{-2}$ mbar or less	
Membrane and measuring chamber	Ceramics ( $Al_2O_3$ 99.5 %) or equivalent	
Method of measurement	Capacitance	
Pipe and flange material	Stainless steel	
Pressure max.	2,000 mbar or more	
Connection	DN 16 ISO-KF	
Protection category	IP30	
Response time	30 ms or less	
Operating temperature	5-50 °C	
Calibration	Test report must be provided by the supplier	
Type of gas	Measurement must be independent of type of gas	
Temperature compensation	Must be there	
<b>Sensor cable</b>		
<b>Parameter</b>	<b>Our requirement</b>	<b>Vendor's specification</b>
Sensor cable	At least 15 meter length between guage head and display	
<b>Guage Controller</b>		
<b>Parameter</b>	<b>Our requirement</b>	<b>Vendor's specification</b>
Measurement range min.	$5 \times 10^{-11}$ mbar	
Signal output	0-10 V Analog output must be there	
Mains voltage and frequency	230V AC, 50Hz	
Display rate	$\geq 10$ Hz	
Interface	USB, RS-485, Ethernet	
Measuring channel	1	
Operating temperature	5-50 °C	

**Bidder's sign with stamp**