



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 2020/2021/2028
 Fax : 91-079-23962277
 Web : www.ipr.res.in

ENQUIRY

ENQUIRY NO : IPR/EQL/18-19/345
 Date : 08-01-2019

Due on : 07-02-2019 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:

Important Note:

Please note that e-mail quotations are not acceptable however you may send your queries (if any) to 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 / 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	Combination vacuum gauge	2.0 Nos.
2	Power supply for gauge	2.0 Nos.
3	Spare sensor head	2.0 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/tenderseng.html> for our future requirement.

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Specification for Combination Vacuum Gauge (Convectron/Conductron/Pirani with B.A. Gauge)

- | | |
|-----------------------------|---|
| (1) Measuring range | : Atm. pressure to 10^{-9} mbar for N_2 . |
| (2) Module type | : Built in Sensor, controller and display |
| (3) Gauge Head | : Single gauge head should cover the entire Measurement range (Standalone). |
| (4) Mounting / Inlet flange | : 35 CF (Conflat flange) or 2.75 inch |
| (5) Bakeout temperature | : Greater than 100° C with electronics removed. |
| (6) Ion gauge auto off | : In range of 10^{-2} mbar. |
| (7) Ion gauge degas | : Electron bombardment type with timer. |
| (8) Display | : Digital exponential display for pressure measurement. |
| (9) Filament type | : (1) For ion gauge: Yttria coated Iridium
(2) For Conductron: tungsten |
-
- | | |
|--|---|
| (10) No. of filaments | : Dual filaments for ion gauge. |
| (11) Trip point Relay | : Minimum one, SPDT (single pole double throw)
1A 30VDC contact rating |
| (12) Status indicator | : Unit status should be provided. |
| (13) Interface | : RS232/RS485 with ASCII protocol for communications. |
| (14) Analog output | : Logarithmic output for full measuring range. |
| (15) Ionization gauge protection | : Auto turn - on and turn - off for ionization gauge. |
| (16) Housing | : Non Magnetic Material |
| (17) Electronics should be mounted on the gauge head itself. | |
| (18) Acceptance criteria | : If required IPR may ask for Calibration certificate for Gauge. |
| (19) Spares/Accessories | : (a) Power adaptor 230VAC to DC
: (b) Gauge head |

Compliance Sheet

Sr. No.	IPR Specification	IPR Requirement	Vendor's Specification	Deviation (If Any)
1	Measuring range	Atm. pressure to 10^{-9} mbar for N_2 .		
2	Module type	Built in Sensor, controller and display		
3	Gauge Head	Single gauge head should cover the entire Measurement range (Standalone).		
4	Mounting / Inlet flange	35 CF (Conflat flange) or 2.75 inch		
5	Bakeout temperature	Greater than 100° C with electronics removed.		
6	Ion gauge auto off	In range of 10^{-2} mbar.		
7	Ion gauge degas	Electron bombardment type with timer.		
8	Display	Digital exponential display for pressure measurement.		
9	Filament type	(1) For ion gauge: Yttria coated Iridium (2) For Conductron: tungsten		
10	No. of filaments	Dual filaments for ion gauge.		
11	Trip point Relay	Minimum one, SPDT (single pole double throw) 1A 30VDC contact rating		
12	Status Indicator	Unit status should be provided.		
13	Interface	RS232/RS485 with ASCII protocol for communications.		
14	Analog Output	Logarithmic output for full measuring range.		
15	Ionization gauge protection	Auto turn - on and turn - off for ionization gauge.		
16	Housing	Non Magnetic Material		
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