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प्लाज्मा अनुसंधान संस्थान  
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**An Aided Institute of Department of Atomic Energy,  
Government of India**



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## ENQUIRY

ENQUIRY NO : IPR/EQF/19-20/087  
Date : 10-07-2019

**Due on : 29-08-2019 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](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	Vacuum gauge as per enclosed specifications with optional and essential accessories and	3.0 Nos.

Note:

1. Delivery required within 3 months from the date of PO.
2. Please quote with complete technical details (Technical compliance sheet and product data sheet).
3. Vacuum gauges and accessories as per complete system.
4. 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/tendersenq.html> for our future requirement.

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

- (1) Measuring range : Atm. pressure to  $10^{-9}$  mbar for N<sub>2</sub>.
- (2) Module type : Built in Sensor, controller and LCD display
- (3) Gauge Head : Single gauge head should cover the entire Measurement range (Standalone).
- (4) Mounting / Inlet flange : 35 CF (CF) or 2.75 inch /quote equivalent
- (5) Bake out temperature : Greater than 100<sup>0</sup> 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 Conduction: 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) Quote optional and essential spares /accessories needed like Power adaptor 230VAC to DC, Gauge head, Controller ,Cables etc for system.
- (18) Guaranty /Warranty : 1 year

**Quantity : 3 no.s**

The vendor shall enclose all the technical specifications information brochures, test certificates and operation and service manual and trouble shooting details.

**Compliance statement for vendor**

<b>Sr. No.</b>	<b>IPR Specification</b>	<b>IPR Requirement</b>	<b>Vendor Specifications</b>
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 (CF) or 2.75 inch /Quote equivalent	
5	Bakeout temperature	Greater than $100^{\circ}$ 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: Ytria coated Iridium (2) For Conduction : 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	Quote optional and essential spares /accessories needed for system	Power adaptor 230VAC to DC, Gauge head, Controller ,Cables etc	
18	Warranty/Guarantee	1 year	
19	Quantity	3	

**Bidder's Official Stamp and Sign:**

**Date:**