

This file has been cleaned of potential threats.

To view the reconstructed contents, please SCROLL DOWN to next page.



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/19-20/090
Date : 16-07-2019

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

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	gas dosing valve with control unit and sensor	1.0 Nos.

Note: 1.Delivery required within 4 months 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: 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.

Specification for gas dosing valve with control unit and sensor

Details	Specifications asked by IPR
(a) Regulating Valve's Specifications	
1. Closing and Opening Time	Few seconds
2. Control Voltage	0-15 Volts (DC)
3. Dosing Sleeve	Fluoroplastomer
4. Flange in	DN 16 ISO-KF
5. Flange out	DN 16 ISO-KF
6. Gas Flow	In the range of 5.0E-06 mbar l/s to 1.0E+03 mbar l/s
7. Housing	Stainless Steel
8. Pressure Range	2 bar to 1.0E-08 mbar
9. leak tightness	1.0E-09 mbar l/s
10. Bake out Temperature [Housing]	> 50°C
11. Bake out Temperature [Actuator]	> 50°C
(b) With the recommended set of the transmitter/Sensor along with the control Unit for sensing fill pressure of H₂ gas in range 1x10⁻³ to 15x10⁻³ mbar	
<ol style="list-style-type: none"> 1. Measurement range : 0.11 mbar to 1.0x10⁻⁵ mbar 2. Accuracy : 0.50% 3. Connecting flange : DN 16 ISO-KF 4. Response time : in milliseconds 5. Full scale : 01 mbar 6. Flange : Stainless Steel 7. Resolutions : 0.003% F.S 8. Sensor must be capable to work in H₂ gas environment (1x10⁻³ to 15x10⁻³ mbar) and must show the fill pressure of H₂ gas accurately with minimum maintenance. 	
(c) Control Unit's Specifications for the regulating Valve	
Input Analog	Pressure set-point Flow set-point (Nominal values)
The regulator must have display for	Valve closed Valve open Valve error Sensor error Sensor status etc.
Interface Type	RS-232, Rs-485
Mains Requirements	50 /60 Hz, 220 V

Important Notes for supplier:

1. Submit operation and maintenance manual including list of possible errors and troubleshooting methods, at the time of supply.
2. **Vendor has to specifically mention the exact parameter/number against the asked parameter/specifications and submit a duly filled compliance sheet. Yes, No, offered or complying will not be entertained. Without submitting duly filled compliance sheet the offer will not be considered for further evaluation.**
3. Appropriate connection cable from controller to Valve and sensor should be provided. All required accessories must be included in the offer.

Compliance sheet for gas dosing valve with control unit and sensor

Details	Specifications asked by IPR	<u>Value/parameter to be filled by vendor</u>
(b) Regulating Valve's Specifications		
6. Closing and Opening Time	Few seconds	
7. Control Voltage	0-15 Volts (DC)	
8. Dosing Sleeve	Fluoroplastomer	
9. Flange in	DN 16 ISO-KF	
10. Flange out	DN 16 ISO-KF	
6. Gas Flow	In the range of 5.0E-06 mbar l/s to 1.0E+03 mbar l/s	
7. Housing	Stainless Steel	
8. Pressure Range	2 bar to 1.0E-08 mbar	
9. leak tightness	1.0E-09 mbar l/s	
10. Bake out Temperature [Housing]	> 50°C	
11. Bake out Temperature [Actuator]	> 50°C	
(b) With the recommended set of the transmitter/Sensor along with the control Unit for sensing fill pressure of H₂ gas in range 1x10⁻³ to 15x10⁻³ mbar		
9. Measurement range : 0.11 mbar to 1.0x10⁻⁵ mbar 10. Accuracy : 0.50% 11. Connecting flange : DN 16 ISO-KF 12. Response time : in milliseconds 13. Full scale : 01 mbar 14. Flange : Stainless Steel 15. Resolutions : 0.003% F.S 16. Sensor must be capable to work in H₂ gas environment (1x10⁻³ to 15x10⁻³ mbar) and must show the fill pressure of H₂ gas accurately with minimum maintenance.		
(c) Control Unit's Specifications for the regulating Valve		
Input Analog	Pressure set-point Flow set-point (Nominal values)	
The regulator must have display for	Valve closed Valve open Valve error Sensor error, Sensor status etc.	

Interface Type	RS-232, Rs-485	
Mains Requirements	50 /60 Hz, 220 V	

Important Notes for supplier:

4. Submit operation and maintenance manual including list of possible errors and troubleshooting methods, at the time of supply.
5. **Vendor has to specifically mention the exact parameter/number against the asked parameter/specifications and submit a duly filled compliance sheet. Yes, No, offered or complying will not be entertained. Without submitting duly filled compliance sheet the offer will not be considered for further evaluation.**
6. Appropriate connection cable from controller to Valve and sensor should be provided. All required accessories must be included in the offer.

Bidder's Official Stamp and Sign:

Date: