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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/19-20/092
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 controller	1.0 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. 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.

Technical Specification for Gas dosing valve and It's Controller

- (1) Flange (In): - DN 16 ISO-KF
- (2) Flange (Out): - DN 16 ISO-KF
- (3) Tightness: - 1×10^{-09} mbar l/s or better,
- (4) Seal: - FPM,
- (5) Dosing sleeve: - Fluorplastomer
- (6) Pressure minimum: - 1×10^{-08} mbar or better,
- (7) Pressure maximum: - 2.5 bar or better
- (8) Gas flow
Max. Controllable: - 1×10^3 mbar l/s,
Min. controllable: - 5×10^{-6} mbar l/s
- (9) Housing: - Stainless steel,
- (10) Control voltage: - 0 -10 V DC
- (11) Closing/opening time: - $\leq 3 / 4$ s
- (12) Ambient temperature:- $5 - 40^0$ C
- (13) Supply: voltage: - 24 V DC
- (14) Supply: power consumption max: - 12 VA
- (15) Accessories:- (a) Control unit for gas dosing valve
(b) All connector and cable with 20mtr length
- (16) Calibration certificate should be provided with shipment.

Control unit for above Gas dosing valve

- (1) Output Analog: - 4 Channels: Pressure sensor signal/ valve signal valve position
- (2) Output Digital: - 8 Channels: valve closed/ valve open/valve in position/valve error/ sensor error/ready/ emission ON/ sensor status
- (3) Input Analog: - 2 channels: Pressure set point (nominal value) / flow set point (nominal value)
- (4) Input Digital: - 8 channels: - Flow decrease/ flow increase/ external CLOSE/ external OPEN/ flow mode/ Pressure mode/ emission ON/ Degas ON
- (5) Interface: Type: - RS 232, RS 485
- (6) Mains requirement: - $230 \pm 10\%$ VAC, 50 Hz,

Acceptance At IPR:

Compliance Table

GAS DOSING VALVE:

S.No	Specification	IPR Specification	Vendor Specification
1	Flange (In)	DN 16 ISO-KF	
2	Flange (out)	DN 16 ISO-KF	
3	Tightness	1 x 10 ⁻⁰⁹ mbar l/s or better,	
4	Seal	FPM	
5	Dosing sleeve	Fluorplastomer	
6	Pressure (minimum)	1 x 10 ⁻⁰⁸ mbar or better	
7	Pressure (maximum)	2.5 bar or better	
8	Gas flow Max. Controllable Min. controllable	1 x 10 ³ mbar l/s, 5 x 10 ⁻⁶ mbar l/s	
9	Housing	Stainless steel,	
10	Control voltage	0 -10 V DC	
11	Closing/opening time	≤ 3 / 4 s	
12	Ambient temperature	5 – 40 ⁰ C	
13	Supply : voltage	24 V DC	
14	Supply: power consumption	max: - 12 VA	
15	Accessories	(a) Control unit for gas dosing valve (b) All connector and cable with 20mtr length	
16	Calibration certificate	should be provided with shipment	

Control unit for above Gas dosing valve

S.No	Specification	IPR Specification	Vendor Specification
1	Analog Output	4 Channels: Pressure sensor signal/ valve signal valve position	
2	Digital Output	8 Channels: valve closed/ valve open/valve in position/valve error/ sensor error/ready/ emission ON/ sensor status	
3	Analog Input	2 channels for Pressure set point (nominal value) / flow set point (nominal value)	
4	Digital Input	8 channels for Flow decrease/ flow increase/ external CLOSE/ external OPEN/ flow mode/ Pressure mode/ emission ON/ Degas ON	
5	Interface Type	RS 232, RS 485	
6	Mains requirement	230±10% VAC, 50 Hz,	

Bidder's Official Stamp and Sign:

Date: