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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/19-20/078
Date : 26-06-2019

Due on : 01-08-2019 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	Electro-pneumatics UHV gate valve 200 ISO	3.0 Nos.

Note: 1..Delivery Required Within 3 Months.
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.

Electro-pneumatics UHV gate valve

Technical Specifications

1. Valve opening : Nominal 200 mm dia.
2. Vacuum connection : 200 ISO F. Flanges on both sides
3. Actuator : Pneumatic double acting cylinder with solenoid.
4. Shaft seal : Bellow shaft seal
5. Mechanism : Non-lubricated (HC free)
6. Material :
 - (a) Valve body : AISI 304
 - (b) Moving mechanism : AISI 304
 - (c) Bellow : AISI 316 L
7. Seal :
 - (a) Bonnet : Metal
 - (b) Gate : Viton
8. Leak rate :
 - (a) Body : $\leq 5.0 \times 10^{-10}$ mbar l/sec
 - (b) Valve seat : $\leq 1.0 \times 10^{-9}$ mbar l/sec
9. Operating pressure : 1000 mbar to 1×10^{-9} mbar
10. Differential pressure on the gate plate : ≤ 1.6 bar in either direction
11. Differential pressure on the gate plate while opening: ≤ 30 mbar
12. Bake-out temperature:
 - (a) Valve body : ≥ 150 °C
 - (b) Position indicator : ≥ 80 °C
13. Cycles until first service: 50,000 or more
14. Solenoid: 230 Volts (AC), 50 Hz. Solenoid separate for remote operations.
15. Position indicator: Contact rating of Voltage ≤ 50 V DC.
16. Valve should have mechanical visual position indicator
17. Mounting: Any direction.
18. Protection: Valve should get closed in case of a power failure. In case of compressed air pressure drop, valve should remain closed if it is in closed condition.
19. Accessories : Seal Kit

Test Certificate: Test certificate for the leak rate at the body & valve seat shall be provided along with the gate valve.

Warranty: At least one year warranty from the date of acceptance against all sorts of manufacturing defects, faulty materials and poor workmanship.

Compliance Sheet

Sr. No.	IPR Specification	IPR Requirement	Vendor's Specification
1	Valve opening	Nominal 200 mm dia.	
2	Vacuum Connection	200 ISO F. Flanges on both sides	
3	Actuator	Pneumatic double acting cylinder with solenoid.	
4	Shaft Seal	Bellow shaft seal	
5	Mechanism	Non-lubricated (HC free)	
6	Material : (a) Valve body (b) Moving mechanism (c) Bellow	AISI 304 AISI 304 AISI 316 L	
7	Seal : (c) Bonnet (d) Gate	Metal Viton	
8	Leak rate : (c) Body (d) Valve seat	$\leq 5.0 \times 10^{-10}$ mbar l/sec $\leq 1.0 \times 10^{-9}$ mbar l/sec	
9	Operating pressure	1000 mbar to 1×10^{-9} mbar	
10	Differential pressure on the gate plate	≤ 1.6 bar in either direction	
11	Differential pressure on the gate plate while opening	≤ 30 mbar	
12	Bake-out temperature: (b) Valve body (c) Position indicator	≥ 150 °C ≥ 80 °C	
13	Cycles until first service	50,000 or more	
14	Solenoid	230 Volts (AC), 50 Hz. Solenoid separate for remote operations.	
15	Position indicator	Contact rating of Voltage ≤ 50 V DC.	
16	Valve should have mechanical visual position indicator		
17	Mounting	Any direction.	
18	Protection	Valve should get closed in case of a power failure. In case of compressed air pressure drop, valve should remain closed if it is in closed condition.	
19	Accessories	Seal Kit	

Bidder's Official stamp and sign:

Date:

