



प्लाज़्मा 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/19-20/310

Date : 11-11-2019

Due on : 12-12-2019 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	High pressure helium gas regulator as per attached specifications	2.0 Nos.
2	Double stage pressure regulator as per attached specification	2.0 Nos.

Note: Note : (1) Unsigned quotations are not acceptable.
Quotation should be submitted duly signed on ALL PAGES invariably
(2) 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

Delivery Time:- 04 to 06 weeks

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/tendersenq.html> for our future requirement.

Technical Specification for High Pressure Helium Gas Regulator

Qty: 02 Nos

- | | | |
|------------------------------|---|--|
| 1. Type | : | High pressure balance poppet piston type regulator |
| 2. Gases to be used | : | Helium (He) |
| 3. Stage | : | Single Stage / Double Stage |
| 4. Inlet Pressure | : | 200 Bar (Maximum) |
| 5. Delivery Pressure | : | 0-50 Bar |
| 6. Inlet connection | : | 3/4" BSP Female (RH) |
| 7. Outlet Connection | : | 1/4" NPT Male |
| 8. No of Pressure Gauges | : | 2 (1 for Cylinder Pressure, 1 for Delivery Pressure) |
| 9. Safety Valve | : | Should be provided |
| 10. Material of construction | : | |
| • Body / Bonnet | : | Stainless Steel |
| • Nozzle | : | Stainless Steel |
| • Poppet | : | Stainless Steel |
| • Gauge | : | Stainless Steel |
| • Safety Valve | : | Stainless Steel |

Technical Specification for Stainless Steel Double Stage Pressure Regulator

Qty: 02 Nos

- | | | |
|------------------------------|---|--|
| 1. Type | : | Double Stage Regulator |
| 2. Gases to be used | : | Helium / Nitrogen / Argon |
| 3. Stage | : | Double Stage |
| 4. Inlet Pressure | : | 200 Bar (Maximum) |
| 5. Delivery Pressure | : | 0-10 Bar |
| 6. Inlet connection | : | 3/4" BSP Female (RH) |
| 7. Outlet Connection | : | As per standard |
| 8. No of Pressure Gauges | : | 2 (1 for Cylinder Pressure, 1 for Delivery Pressure) |
| 9. Safety Valve | : | Should be provided |
| 10. Material of construction | : | |
| • Body / Bonnet | : | Stainless Steel |
| • Nozzle | : | Stainless Steel |
| • Gauge | : | Stainless Steel |
| • Safety Valve | : | Stainless Steel |

Compliance Sheet for High Pressure Helium Gas Regulator

Sr No	Specification	IPR Requirement	Vendor Offering " Kindly use technical values avoid using words "yes/complied/ok/agree/confirm"
01	Type		
02	Gases to be used	Helium	
03	Stage	Single Stage / Double Stage	
04	Inlet Pressure	200 Bar (Maximum)	
05	Delivery Pressure	0-50 Bar	
06	Inlet connection	3/4" BSP Female (RH)	
07	Outlet Connection	1/4" NPT Male	
08	No of Pressure Gauges	2 (1 for Cylinder Pressure, 1 for Delivery Pressure)	
09	Safety Valve	Should be provided	
10	Material of construction		
	Body/Bonnet	Stainless Steel	
	Nozzle	Stainless Steel	
	Poppet	Stainless Steel	
	Gauge	Stainless Steel	
	Safety Valve	Stainless Steel	
11	Qty	02	
12	Warranty	01 Year	

Bidder's official stamp and sign

Date:

Compliance Sheet for Stainless Steel Double Stage Pressure Regulator

No	Specification	IPR Requirement	Vendor Offering" Kindly use technical values avoid using words "yes/complied/ok/agree/confirm"
1	Type	Double Stage Regulator	
2	Gases to be used	Helium / Nitrogen / Argon	
3	Stage	Double Stage	
4	Inlet Pressure	200 Bar (Maximum)	
5	Delivery Pressure	0-10 Bar	
5	Inlet connection	3/4" BSP Female (RH)	
7	Outlet Connection	As per standard	
8	No of Pressure Gauges	2 (1 for Cylinder Pressure, 1 for Delivery Pressure)	
9	Safety Valve	Should be provided	
10	Material of construction		
	Body/Bonnet	Stainless Steel	
	Nozzle	Stainless Steel	
	Gauge	Stainless Steel	
	Safety Valve	Stainless Steel	
11	Qty	02	
12	Warranty	01 Year	

Acceptance Criteria

The regulators will be accepted only after successful He-MSLD in sniffer mode at 5 bar pressure at IPR. Helium leak rate should be $\leq 1 \times 10^{-5}$ mbar.l/s.

Visual inspection of all the ports as per the required specifications.