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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, भाट, गांधीनगर - 382 428 भारत  
दूरभाष: (079) 2396 2020/2021/2028  
फैक्स: 91-079-23962277  
वेब: [www.ipr.res.in](http://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](http://www.ipr.res.in)

## ENQUIRY

ENQUIRY NO : IPR/EQF/18-19/222  
Date : 12-03-2019

**Due on : 18-04-2019 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	Compact Multi stage Dry (oil Free) Vacuum Roots Pump with silencer as per attached specifications	1.0 Nos.
2	Solenoid Operated Fore Vacuum Gate Valve compatible for the Roots Pump (Item No.1) as per attached specifications	1.0 Nos.

Note: 1. Please quote with complete technical details (Technical compliance sheet and product data sheet).  
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. Necessary TDS Certificate will be issued to the supplier after TDS deduction.

3. Unsigned quotations will not be considered. Quotation should be submitted duly signed with official seal on each and every page invariably.

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

### 1. Compact Multi stage Dry (oil Free) Vacuum Roots Pump with silencer

#### Specifications

- 1.Pumping speed : 10 -15 m<sup>3</sup>/hour
- 2.Ultimate Vacuum: 1-3 x 10<sup>-2</sup> millibar
- 3.Helium Leak rate : < 10<sup>-7</sup> mbar l/s
- 4.Power Input : 100-230 volt, Single Phase , 50-60 Hz , 400 -600 watts
- 5.Vacuum connections : ISO KF : DN 25 / DN 16
- 6.Inlet pressure : From Atmospheric Pressure to ultimate vacuum
7. General : Air-cooled, with remote operation provision and equipped with manual Gas ballast Valve,

### 2. Solenoid Operated Fore Vacuum Gate Valve compatible for the Roots Pump (Item No.1)

- 1.Helium Leak rate : < 10<sup>-5</sup> Pa m<sup>3</sup>/S
- 2.Power Input : 230-240 volt, Single Phase , 50-60 Hz , 3.Vacuum connections :  
Connection : ISO KF : DN 25 / DN 16 : to Suit the roots pump mentioned above , Differential pressure at opening direction : 1,300 mbar,

Offer should have specification wise compliance statement for the product offered.

## Compliance Matrix For Dry Vacuum Pump and Vacuum Gate Valve Indent No. 18-19/807

1. Compact Multi stage Dry (oil Free) Vacuum Roots Pump with silencer		
IPR Specification		Vendor Specification
1.Pumping speed :	10 -15 m <sup>3</sup> /hour	
2.Ultimate Vacuum:	1-3 x 10 <sup>-2</sup> millibar	
3.Helium Leak rate :	< 10 <sup>-7</sup> mbar l/s	
4.Power Input :	100-230 volt, Single Phase , 50-60 Hz , 400 -600 watts	
5.Vacuum connections :	ISO KF : DN 25 / DN 16	
6.Inlet pressure :	From Atmospheric Pressure to ultimate vacuum	
7. General :	Air-cooled, with remote operation provision and equipped with manual Gas ballast valve	
8.Offer should have specification wise compliance statement for the product offered.		
2. Solenoid Operated Fore Vacuum Gate Valve compatible for the Roots Pump (Item No.1)		
1.Helium Leak rate :	< 10 <sup>-5</sup> Pa m <sup>3</sup> /S	
2.Power Input :	230-240 volt, Single Phase , 50-60 Hz ,	
3.Connection :	3.Vacuum connections : ISO KF : DN 25 / DN 16 : to Suit the roots pump mentioned above , Differential pressure at opening direction : 1,300 mbar,	
4. Offer should have specification wise compliance statement for the product offered.		

Bidder's Official Stamp and Sign:

Date: