



भौतिकी संस्थान
भुवनेश्वर

Institute of Physics

Bhubaneswar - 751005, India

(परमाणु ऊर्जा विभाग, भारत सरकार का एक स्वायत्त अनुसंधान संस्थान)

(An Autonomous Research Institute of Department of Atomic Energy, Govt. of India)

QUOTATION CALL NOTICE

Ref.No.IOP/PUR/LAB/2020-21/ <u>468CS</u>	Rate quotation for:
Date: <u>07.06.2021</u>	Dry backing pump

To:

M/s

Dear Sir,

Sealed quotation is invited for Supply of Spares as per specification, terms and conditions noted below.

Sl.	Description/Specification	Unit	Price
1	Dry backing pump (Multi-stage roots Vacuum Pump)	01 No.	

Details Specification sheet attached

TERMS & CONDITIONS:

1. Intending supplier should be a registered dealer having TIN/GST Registration No. and should submit a copy of the same.
2. Quotation is to be submitted by **post/courier** only in *sealed envelope with superscription "Rate Quotation for supply of Dry backing Pump" and addressed to the Registrar, Institute of physics, P.O: Sainik School, Bhubneswar-751005.*
3. The quotation should be submitted within **25 days** from the date of issue of this letter in the office of the Registrar along with copies of the aforesaid certificates if any failing which the same will be rejected.
4. Rate quoted should remain valid for ninety days from the date of submission of the quotation.
5. Price quoted should be FOR destination at IOP site basis/Ex works.
6. Taxes and levies if applicable will be paid extra, which should be specified separately.
7. **No advance payment to be made.** 100% payment will be made on delivery of goods in satisfactory conditions and against submission of bill/invoice in duplicate.

Yours faithfully


रजिस्टार/REGISTRAR

डा.घ. सैनिक स्कूल, भुवनेश्वर - 751 005, भारत

P.O. : SAINIK SCHOOL, BHUBANESWAR - 751 005, INDIA

दूरभाष : 0674-2306444, 2306555, 2306666, फैक्स / Fax : 0674-2300142, वेब / Web : <http://www.iopb.res.in>

हमेशा हिंदी में पत्र व्यवहार करके देश का गौरव बढ़ाएं

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Technical specifications:

Multi-stage Roots Oil free Dry Vacuum pump

Multi-stage Roots Oil free Dry Vacuum pump having following features

- 1) **No particulate contamination:** - should be frictionless design, no wearing parts in the path of pumped gases and therefore no particulate generation.
- 2) **Nominal Pumping speed:** - 14 m³/h
- 3) **Ultimate vacuum:** - W/o gas ballast: - 0.05 mbar, With gas ballast: - 0.1 mbar,
- 4) **Maximum continuous inlet pressure:** 1,000 mbar
- 5) **Leak tightness:** - $< 5 \times 10^{-7}$ mbar l/s
- 6) **Max. pumping capacity of pure water vapor at 20°C:** 80 g/h
- 7) **Input voltage:** - 100 – 230 V, 50 Hz
- 8) **Inlet flange:** - DN 25 ISO-KF
- 9) **Cooling:** Air Cooled
- 10) **Weight:** - Approx. 23 Kg.

Accessory: Exhaust Silencer Kit

After Sale Service Facility: - After sales service: In case of break down, complete repairs of the Multi Stage Roots Vacuum Pump, viz. bearing replacement, Lobes and Stator replacement, motor part replacement, drive electronics replacement, complete cleaning of the Multi Stage Roots pump etc. should be possible at site. The vendor should have Service Centre/Facility and complete infrastructure within India to handle complete repair and testing of the Multi Stage Roots Vacuum Pump and availability of critical spares off the shelf, from Indian office.

