



भौतिकी संस्थान  
भुवनेश्वर  
**Institute of Physics**  
Bhubaneswar - 751005, India  
(परमाणु ऊर्जा विभाग, भारत सरकार का एक स्वायत्त अनुसंधान संस्थान)  
(An autonomous research institution of Dept. of Atomic Energy, Govt. of India)

***Notice Inviting E-Tender No.: NIT/IOP/07/2021-22***

## **Supply and installation of Multi-Stage Roots Oil free Dry Vacuum Pump**



# INSTITUTE OF PHYSICS

PO-SAINIK SCHOOL  
BHUBANESWAR-751005

## Notice Inviting E-Tender For

### Supply and installation of Multi-Stage Roots Oil free Dry Vacuum Pump

- Tenders are invited on behalf of the Director, Institute of Physics, Bhubaneswar from the manufacturers(Indian or Foreign) and their authorised reseller/Indian agent only for supply & installation of the following items:-

<i>Sl. No.</i>	<i>Name of the Items</i>	<i>Tender No.</i>	<i>Estimated Cost (Rs.in INR)</i>	<i>Qty. No.</i>	<i>Tender Fee and EMD in INR</i>
1.	Supply and installation of Multi-Stage Roots Oil free Dry Vacuum Pump (As listed in the technical bid)	NIT/IOP/07/2021-22	Rs.3,60,000/-	As per technical bid	NIL

- Tender Enquiry No : NIT/IOP/07/2021-22
- Last date of submission of E-bid : 15/12/2021 up to 10.00 hrs.
- Opening of Technical Bid : 16/12/2021 at 12.00 hrs.

The details of general tender terms & conditions can be downloaded from <https://eprocure.gov.in/eprocure/app> or Tender Free View Link from IOP,Bhubaneswar Website- [www.iopb.res.in/tenders/](http://www.iopb.res.in/tenders/)

  
**REGISTRAR**

# **Bid Security Declaration**

(in Company's letter head)

**Invitation to Bid/Request for Expression of Interest No. [Insert reference no.]**

To

Institute of Physics,  
Po-Sainik School  
Bhubaneswar-751005

I/We understand that, according to your NIT conditions, bids must be supported by a Bid Security. In lieu of the Bid Security, we submit the following undertaking:-

“I/We declare that we will be suspended/ disqualified for tendering with the entity for a period of 1 (One) year from the date of receipt of notice from you, if we withdraw or modify our bid during the validity period **OR** fail to sign the Contract **OR** fail to submit Performance Security (if applicable) before the defined deadline **OR** fail to execute contractual obligation within the stipulated time.”

**Date: -**

**Place: -**

Signature of the Bidder  
(with Company seal)



INSTITUTE OF PHYSICS, PO-SAINIK SCHOOL, BHUBANESWAR

TECHNICAL BID  
SUPPLY AND INSTALLATION  
OF  
**Multi-Stage Roots Oil free Dry Vacuum Pump**

Notice Inviting E-Tender No. NIT/IOP/07/2021-22

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 m<sup>3</sup>/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:** 80g/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.

Note:	Above items should carry 1 year free comprehensive warranty from the date of installation. In case the tenderer provides warranty less than 01 year then he has to give justification for lesser period of warranty. Without justification his tender is liable to be rejected.
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**Contact for information: (Only E-mail enquiries will be entertained)**

**For Technical Information:-**

- 1) Prof. T. Som, email ID :- [tsom@iopb.res.in](mailto:tsom@iopb.res.in)