

**CORRIGENDUM - 01**

**REF: E-Tender No. NC-000316-PHY-21-22**

**ITEM: ULTRASONIC DIFFRACTION APPARATUS**

(A) The e-tender date is extended as per the following.

- i) The date and time of submission of e-tender : 28/09/2021 up to 11.30 a.m.
- ii) The date and time of opening of e-tender : 30/09/2021 at 11.30 a.m.

All other terms and conditions of the above mentioned e-Tender will remain unchanged.

**Sd/-  
FIC Stores & Purchase**



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर

(परमाणु उर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)

**NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR**

(AN AUTONOMOUS INSTITUTE UNDER DEPT. OF ATOMIC ENERGY, GOVT. OF INDIA)

*Notice Inviting E-Tender No.: NC-000316-PHY-21-22*

***ULTRASONIC DIFFRACTION APPARATUS***



**NATIONAL INSTITUTE OF SCIENCE EDUCATION & RESEARCH  
JATNI CAMPUS, P.O. – BHIMPUR-PADANPUR, VIA-JATNI  
KHURDA – 752050, ODISHA, INDIA**

**Notice Inviting E-Tender**

**For**

**ULTRASONIC DIFFRACTION APPARATUS**

E- Tenders are invited on behalf of the Director, National Institute of Science Education and Research, Jatni 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>Name of Department</i>	<i>Qty. No.</i>	<i>Tender Fee in INR</i>
1.	<b>ULTRASONIC DIFFRACTION APPARATUS</b> (As listed in the technical bid)	NC-000316-PHY-21-22	SPS	As per technical bid	NIL

<i>Sl. No.</i>	<i>Name of the Items</i>	<i>Tender No.</i>	<i>Name of Department</i>	<i>Qty. No.</i>	<i>EMD in INR</i>
1.	<b>ULTRASONIC DIFFRACTION APPARATUS</b> (As listed in the technical bid)	NC-000316-PHY-21-22	SPS	As per technical bid	NIL against Bid Security Declaration as attached

- **Tender Enquiry No** : **NC-000316-PHY-21-22**
- **Last date of submission of E-bid** : **21/09/2021 up to 11.00 A.M**
- **Opening of Technical Bid** : **23/09/2021 at 11.00 A.M**

The details of general tender terms & conditions can be downloaded from <https://eprocure.gov.in/epublish/app> or Tender Free View Link from NISER Website <https://www.niser.ac.in/content/tender>.

**Sd/-  
FIC (Stores & Purchase)**

# **Bid Security Declaration**

(in Company's letter head)

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

To

National Institute of Science Education & Research, Bhubaneswar

Post-Bhimpur-Padanpur,

Via- Jatni,

District- Khurda, India

PIN-752050.

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)**



**TECHNICAL BID  
SUPPLY AND INSTALLATION  
OF  
ULTRASONIC DIFFRACTION APPARATUS  
FOR  
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI  
Notice Inviting E-Tender No. NC-000316-PHY-21-22**

Vendor Name				
SL. No.	Item Specification	Quantity (In Nos.)	Accepted/Not Accepted (Kindly Mention)	Please specify if any deviation
1	<p><b>ULTRASONIC DIFFRACTION APPARATUS:</b></p> <p><b>Specifications for ultrasonic diffraction apparatus:</b></p> <ol style="list-style-type: none"><li>1. Optical rail (1.5 m)</li><li>2. Movable laser mount</li><li>3. Glass tank mount with crystal holder</li><li>4. Detector mount with X- translation (Micrometer controlled)</li><li>5. Float glass tank</li><li>6. Piezo electric crystals (3 MHz, 5 MHz)</li><li>7. RF Oscillator (2 – 6 MHz or better)</li><li>8. Diode laser as light source with power supply (3 mW 650nm)</li><li>9. Detector with output measurement unit</li><li>10. It should be possible to perform the following experiments with the setup<ol style="list-style-type: none"><li>i) Determine the velocity of ultrasonic wave in liquids.</li><li>ii) Determine the bulk modulus of the given liquid.</li><li>iii) Determine the compressibility of the liquid.</li></ol></li></ol>	2 Nos.		

<b>2</b>	<b>Above items should carry 1 year free comprehensive warranty from the date of installation. In case the tenderer provides warranty less than 1 year then he has to give justification for lesser period of warranty. Without justification his tender is liable to be rejected.</b>
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**Contact for information: (Only E-mail enquiries will be entertained)**

**For Technical Information:-**

**Dr. Varchaswi K S Kashyap**

School of Physical Sciences

E-mail – Dr. Varchaswi K S Kashyap <vkashyap@niser.ac.in>