

# **INDIRA GANDHI ENGINEERING COLLEGE** **SAGAR, MADHYA PRADESH**

(Near Makroniya Railway Station, Jabalpur Rd, Baheriya, Madhya Pradesh 470021)

## **Department of Civil Engineering**

**Tender no-IGEC/Civil/2024/2908**

**Date: 17/12/24**

### **(E-Tender document for Supply of Ultrasonic Pulse Velocity Test Apparatus 01 No. & Triaxial Cell - 01 No.)**

E- Tenders are hereby invited for supply of **Ultrasonic Pulse Velocity Test Apparatus & Triaxial Cell** in Civil engineering department at Indira Gandhi Engineering College, Sagar (M.P.) as briefly described hereunder:

1	Name of the Tender	Supply of <b>Ultrasonic Pulse Velocity Test Apparatus &amp; Triaxial Cell</b> in Civil Engineering Department
2	Bid submission mode	<b>Online</b> through e-procurement mode on <b><u>E-tender</u></b> portal. <b><a href="https://mptenders.gov.in">https://mptenders.gov.in</a></b> <b>Three cover system:</b> Cover 1 – Fee. Cover 2 – PreQual/Technical Bid Cover 3 - Financial Bid.
3	Tender document fee	<b>Rs.500/-</b> (Rupees <b>Five hundred</b> only) <b>(non-refundable &amp; No Exemption is Allowed)</b>
4	EMD	Rs.19500/- for Item no. 01 & Rs.4500/- for Item no. 02. (Exemption as per MP Govt. rule) <b>Total – Rs.24000/-</b>
5	Publish Date and time of availability of bid document on e-tender portal / college website.	<b>25/12/2024, 12:00 PM</b>
6	Online Bid Submission Start Date & Time	<b>25/12/2024 01:00 PM</b>
7	Online Bid Submission End Date & Time	<b>20/01/2025 01:00 PM</b>
8	Date and time of opening of bid at IGEC Sagar.	<b>21/01/2025 02:00 PM</b>
9	Contact details of concerned person for any query	<b>Prof. B. S. Kirar</b> Head of Department, Civil Engineering department Ph. no.- 8770823143
10	<b>Portal -</b>	<b><a href="https://mptenders.gov.in">https://mptenders.gov.in</a></b>



## **Notice Inviting Tender**

Indira Gandhi Engineering college, Sagar (here in after referred to as IGEC Sagar) is an Educational Institution, invites E-tenders from reputed Original Equipment Manufacturers or their authorized agents/ dealers/ distributors/channel partners for Supply, Installation and Commissioning of the **Ultrasonic Pulse Velocity Test Apparatus** (01 No.) & **Triaxial Cell** – (01 No.)

as per the detailed terms and conditions and technical specification given below:

### **TERMS & CONDITIONS**

1. Supply of mentioned items (including the essential accessories) should meet the specification and compatibility given in Annexure-I.
2. The quantity of the materials to be purchased may vary according to the requirement if the need arises (minimum quantity is 01 for each item).
3. Tender document can be viewed/ submitted only online on website [www.mptenders.gov.in](http://www.mptenders.gov.in) by making online payment for the Tender document. The cost of Tender Form is Rs. 500/- (non-transferable & non-refundable)
4. The tender document is not transferable to any other bidder.
5. The Bidder must upload CA certified Turnover of preceding 3 years (2022 to 2024) along with PAN Card.
6. The Bidder must submit GSTIN Registration along with bid.
7. The specification of the items quoted by the bidder should not be inferior to the specifications mentioned in the Annexure-I.
8. The Bidder must upload authorization from the manufacturer in case their Agents/Dealers/Suppliers are submitting tender on its behalf.
9. The Bidder should submit the copies of supply orders in support of experience of supply of items in Govt./Semi-Govt. Organizations.
10. The Bidder quoted Lowest Rates (inclusive of all taxes) for each item will be considered as L1 Bidder for such items. Thus, this L1 Bidder will be considered for supply of such quoted items.
11. In case similar L1 rates quoted by more than one Bidder for a given item, the experience of supply of such item in Govt./Semi-Govt. Organizations will be considered for taking final decision. Preference will be given to the bidder having more experience.
12. Institute has the right to place the order item-wise or as a whole to single or individual firms depending on the cost of the item/items.
13. Proposal (tender) that is incomplete or not in prescribed format will be rejected.
14. The bidder is responsible for registration on the portal [www.mptenders.gov.in](http://www.mptenders.gov.in) at their own cost.
15. The Bidder must submit the tenders in **TWO BID SYSTEM**.  
(a) The Technical and Financial proposal should be submitted only through the e-procurement Portal.



(b) Technical Bid – The proposal should be submitted in prescribed technical format and specifications given on Annexure-I on the portal ([www.mptenders.gov.in](http://www.mptenders.gov.in)).

(c) Financial Proposal – The proposal should be submitted in Financial Bid format given on the portal ([www.mptenders.gov.in](http://www.mptenders.gov.in))

16. Only Technical Bid shall be opened on the date of tender opening.
17. The Financial bid will be opened only on the prescribed date for those who qualify the Technical bid. This date will be announced later.
18. Full name and status of the person signing the tender documents must be clearly mentioned in the Tenders.
19. Tenders received after the due date and time shall not be accepted.
20. The Bidder is required to pay Earnest Money Deposit (EMD) of Rs.19500/- for Item no. 01 & Rs.4500/- for Item no. 02 **Total – Rs.24000/-** (Exemption as per MP Govt. rule) on [www.mptenders.gov.in](http://www.mptenders.gov.in). and upload the details of tender document fee and EMD in technical bid in the prescribed format as given in Annexure-II.
21. As per "Madhya Pradesh Store Purchase and Service Procurement Rules 2015", exemption in EMD is applicable to Micro and Small Enterprises of State of Madhya Pradesh only.
22. No interest in any case will be paid on EMD.
23. The entire amount of EMD is liable to be forfeited and firm will be **blacklisted** and the order will be treated as cancelled in the following cases: -
  - (a) Supplier expresses inability to accept the order.
  - (b) Full ordered items not supplied.
  - (c) If the acceptance of the order is conditional as detailed in the execution of the order.
24. The delivery and installation time from the date of placement of order shall not exceed 30 days in any case.
25. In case the supplier fails to deliver and install the items within 30 days from the date of placement of order, the supplier will have to pay a penalty @ 2% per month on the order value or part thereof calculated for the period of delay.
26. The entire material will be delivered and installed by the supplier in Civil Engineering Department at IGEC Sagar on FOR value.
27. In Financial Bid, the Bidder needs to quote price including basic cost, insurance, freight, installation, commissioning, warranty (2 years) and should be inclusive of all taxes.
28. If defects of any kind or deviations from specifications are detected and reported to the supplier, the supplier should replace the article within 15 days from the date of report.
29. The successful bidder has to submit performance security deposit of 10% value of the equipment cost in the form of Bank Guarantee of a Commercial Bank for duration of **two years**.
30. The Security Deposit will be returned only after the completion of warranty period which will be counted from the date of installation and based on performance of equipment.



31. In case the supplier fails to install and demonstrate the item within 10 days from the date of supply, the supplier will have to pay a penalty @ 0.5% of the order value per week for the period of delay.
32. Payment will be made within 45 working days of the successful installation and demonstration.
33. If equipment supplied are not according to the specifications and are not of proper quality, the same will not be accepted. Similarly, second hand, reconditioned, damaged, repaired and substandard equipment having poor workmanship of not to the satisfaction of the verification committee, will not be accepted. The equipment rejected by the Committee will be returned to the supplier at his own cost and risk, and entire amount of Earnest Money/Security Deposit is liable to be forfeited.
34. Make and Model of the article should be mentioned with tender document. Year of manufacturing should be mentioned and it must be of the latest make.
35. Conditional bid will not be entertained and liable to be rejected.
36. Any dispute arising out of this agreement in respect of quantity/quality/specification/delivery or payment shall be referred to the SOLE ARBITRATION of the Principal, Indira Gandhi Engineering College, Sagar. All legal disputes will be settled under jurisdiction of Sagar District.
37. The Principal reserves all rights to accept or reject any tender or the entire process.

Date: .....

Place: .....

Signature & Seal  
of the Bidder along with date



## **Annexure-01**

**Tender No -IGEC/Civil/2024/2908 Sagar, Date: - 17 /12/2024**

**For technical bid-** Ultrasonic Pulse Velocity Test Apparatus & Triaxial Cell.

### **Specifications**

#### **Item no. 1 - Ultrasonic Pulse Velocity Test Apparatus**

##### **1. Features**

This Instrument is used to measure the velocity of ultrasonic pulses through a concrete section providing information on cracks, voids, strength and gives quick estimates of modulus of elasticity and Poisson ratio in place or in the laboratory. Meets National and International standard **IS- 13311, BS 1881 and ASTM –C- 597**. A USB connection and application allow on time data acquisition.

##### **2. Technical Specifications**

###### **(a) Transit Time Measurement**

- (i) Range – 0.1 – 7930 micro second or 9999  $\mu$ s
- (ii) Resolution – 0.1 micro second
- (iii) Display – Colour display 800×480 Pixel or any other
- (iv) Transmitter – Optionized pulse – 125v, 250v, 350v & 500v

###### **(b) Receiver**

- (i) Band width – 20 to 500 Khz
- (ii) Gain step - 1×, 10×, 100× Auto

- (c) **Power Supply** – Lithium Polymer 3.6 v to 6.0 Volt

- (d) **Operating Temp.** –  $-10^{\circ}\text{C}$  to  $50^{\circ}\text{C}$  Humidity < 95% RH non conductivity

Complete with display unit 2P - wave transducer, 54 KHz, 2 BNC cables, 1.5 m and 10 m each, calibration rod, transducer holder, battery charger with USB cable, 4x AA (LR6) Batteries data carrier with software, manufacture calibration certificate couplant.



## Item no. 2 - Triaxial Cell

- (1) This instrument is used in a soil testing Laboratories. Specimen size with base pedestal and top caps to Suit a 30 mm dia. disk and 76 mm long sample.
- (2) Transparent Perspex chamber with an anvil loading plunger.
- (3) It is leak proof up to 10 kg/cm<sup>2</sup> fluid pressure.
- (4) Cell diameter 100 mm & Height 150 mm.
- (5) Everything required including tools and Consumables.
- (6) Complete with all triaxial cell accessories.

(I) Top loading pad Perspex 38 mm dia.	01 No.
(II) Plain Perspex disc 38 mm dia × 6 mm Thick	01 Pair
(III) Porous stone 38 mm dia × 6 mm Thick	01 Pair
(IV) Sheath stretcher for 38 mm dia specimen	01 No.
(V) Sand former for 30 mm dia.	01 No.
(VI) Rubber sheath for 38mm dia specimen	12 No.
(VII) Drainage tube (short) 38 mm	04 No.
(VIII) Drainage tube (long) 38 mm	04 No.
(IX) 'O' rings for 38mm dia specimen	08 No.
(X) Brass pedestal 38 mm	01 No.
(XI) Split mould 38 mm dia. × 76 mm. long	01 No.
(XII) Top loading pad 38 mm dia (Plain)	01 No.



**Signature & Seal**  
**of the Bidder along with date**



## Fee Cover Form (Annexure -II)

### INDIRA GANDHI ENGINEERING COLLEGE, SAGAR (M.P.)

**Jabalpur Road, Makronia Station, Sagar- 470021**

**Phone No. : 07582 - 263844, 263896, 9826735071 Fax No: 07582 - 263844**

**✉ Email Id: dr.principalgec@rediffmail.com**

**Tender no-IGEC/Civil/2024/.....**

**Date:**

1. Name of Tendering Company/ Bidder/Firm/Agency:

.....  
.....  
.....

2. Registered Office Address with telephone/mobile No:

.....  
.....  
.....

E-Mail Address.....

3. Particulars of Earnest Money deposit (EMD)

(a) Online pay ref No.....

(b) Date .....

(c) for Rs. ....

4. Particulars of tender **document fee**

**(No Exemption is Allowed)**

(a) Online pay ref No.....

(b) Date .....

(c) for Rs. ....

Place .....

Signature .....

Date .....

Name .....

Designation .....

Seal & Signature of the Tenderer



## **Annexure-III**

### **TENDER FORM- Technical**

**Tender No -IGEC/Civil/2024/..... Sagar, Date:-..../ /2024**

To,

The Principal  
Indira Gandhi Engineering College,  
Sagar.

I/We wish to submit the Tender for the item advertised by you.

1. Name of the item

Item No.	Item Name*	Participating Yes/No
1	Ultrasonic Pulse Velocity Test Apparatus	
2	Triaxial Cell	

\* The specification of items to be seen and submitted as per format in Annexure-I.

2. Name of the firm: .....

3. Telephone/Mob. No: .....

4. Email.ID: .....

5. Full Address: .....

.....

.....

6. Registration No. of Firm and Place: .....

7. Details of GSTIN: .....

8. Details of PAN: .....

I/We have read all the terms and conditions of the tender and shall abide by them. The materials shall be supplied strictly as per specification at Annexure-I and in the given time period.

**Date:** .....

**Place:**.....

**Signature & Seal  
of the Bidder along with date**



**List of Documents to be uploaded by the Bidder**  
**In the Technical Bid**

<b>S. No.</b>	<b>Document</b>	<b>Yes/No</b>
1	CA certified turnover document of the firm of preceding 3 years	
	(i) 2023-24	
	(ii) 2022-23	
	(iii) 2021-22	
2	Signed and seal scan copy Permanent Account Number (PAN)	
3	Signed and seal scan copy GSTIN Registration	
4	Copies of supply orders in support of experience of supply of items in Govt./Semi Govt Organization (if any)	
5	Authorization from the manufacturer in case their Agents/Dealers/Suppliers are submitting tender on its behalf	
6	Signed and seal scan copy of Fee Cover form specified in <b>Annexure-II</b>	
7	Scan Copy of EMD online payment receipt for <b>Rs.19500/- for Item no. 01 &amp; Rs.4500/- for Item no. 02 Total – Rs.24000/-</b> (Exemption as per MP Govt. rule)	
8	Signed and seal scan copy of Technical tender form related to specifications of the equipment in <b>Annexure-I</b>	
9	Signed and seal scan copy of Technical tender form in <b>Annexure-III</b>	
10	Signed and seal scan copy of terms and condition of this tender document	

Date: .....

Place:.....

Signature & Seal  
of the Bidder along with date