

**OFFICE OF THE PRINCIPAL,INDIRA GANDHI ENGINEERING  
COLLEGE,SAGAR(MP)**

**NOTICE**

*Dated*  
*21.2-22*

***Last date is extended of Quotation invited for purchase of  
Ultrasonic Pulse Velocity Test Apparatus till 28 .02 .2022,5 p.m.  
(Reference- No./IGEC/CE/201/1-13, dated 02.02.2022)***

*1355L*

*N*  
**Principal  
Indira Gandhi Engineering College  
Sagar**

Registered Post

OFFICE OF THE PRINCIPAL I.G. ENGINEERING COLLEGE SAGAR M.P.  
( Declared autonomous by the M.P. Government )

S.No./ IGEC / CEI / 201 / 13

SAGAR DATED 02/02/2022

To,  
M/S for Upload on website.

Subject- Enquiry for purchase of Equipment/Material.

Please quote your lowest rate for the supply of material / equipment / repairing as per given on Reverse / enclosed herewith , your quotation in a sealed envelope should reach this office on or before 5.00 P.M. on 21.02.2022

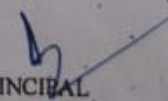
The words quotation against enquiry No. / IGEC / CEI / 13 / Sagar Dated -----

The terms and condition of the enquiry are as given below.

- 1- Rates quoted should be firms and for F.O.R. / F.O.R. Destination Sagar .
- 2- Only C.S.T. / V.A.T. @ <sup>GST</sup> ----- % will, be payable alongwith payment.
- 3- Full description of the material / equipment should be given alongwith manufacturer's name.
- 4- Technical details , catalogues , Workin drawing should be enclosed alongwith quotation.
- 5- Delivery period should be mentioned against each item.
- 6- Payment will be made within 30 days of the receipt the material / equipment in the institute in Good working condition as per specification no other condition of payment will be accepted .
- 7- Quotation not confirming to our specification will be rejected .
- 8- Quotation writton in pencil will be rejected .
- 9- The undersigned reserved the right to reject any or all quotation without assigning any reason whtsoever .
- 10- All disputes with regard to the purchase of material / equipment etc. will be subject to the jurisdiction of courts at Sagar M.P. only .

Enclosure :- Annexure I .

1355L

  
PRINCIPAL  
I.G. Engineering College  
Sagar M.P.

Annexure - 01

## SPECIFICATION FOR 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 & International Standards IS-13311, BS 1881 & ASTM-C-597. A USB connection and Application allow on time data acquisition.

### 2. Technical Specification

#### (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 800x 480 pixel or any other
- (iv) Transmitter - Optionized pulse - 125v, 250 v, 350 v & 500v

#### (b) Receiver

- (i) Band width - 20 to 500 KHz
- (ii) Crain step - 1x, 10x, 100x 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 transducers, 54 KHz, 2 BNC cables 1.5 m and 10m each, calibration rod, transducer holder, battery charger with USB cable, 4x AA (LR6) Batteries data carrier with software, manufacture calibration Certificate, couplant.

1/3/22  
1.2.22  
H. K. Nish...  
1/2/2022

A. B. Rao