

FORM OF SHORT TENDER NOTICE

D2/8450/19/GECTCR

Government Engineering College Thrissur

Sealed tenders are invited for equipments for Civil Engineering Department

Specification separately attached

The envelopes containing the tender should bear the superscription "Tender. No. **D2/42/19-20 due on 30/10/2019** and should be addressed to the Principal, Government. Engineering. College, Thrissur, Kerala..

Last date for receipt of tenders will be **31/10/2019 2.00 pm** Late tenders will not be accepted. The tenders will be opened at Government Engineering College Thrissur on **31/10/2019 03pm** in the presence of such of the tenderers or their authorized representatives who may be present at that time. Intending tenderers may, on application to the Principal, Govt. Engineering. College, Thrissur, obtain the requisite tender forms on which tenders should be submitted. Application for the tender form should be accompanied by a cash remittance of **Rs.595+ postal charge** (500+18% GST +1% Flood cess)which is the price fixed for a form/set of forms and which is not refundable under any circumstances. The tender forms are not transferable. Sale of tender forms will be closed at **12 pm on 30/10/2019** Cheques, postage stamps, etc., will not be accepted towards the cost of forms, nor will the forms be sent per V.P.P.

Tenders should be accompanied by EMD of 1%, subject to a minimum of Rs. 1500/- , of the amount by DD drawn in favour of the Principal, Government.Engineering College, Thrissur with an agreement in Kerala Stamp Paper worth Rs.220/-. Details can be had from the Govt.Engineering College Office working hours.

Place:Thrissur

Dr.Sheeba V S

23.10.2019

Principal

Copy to

1. Notice Board
2. HOD Chemical Engineering

Specification

The accelerometer and impact hammer supplied should be compatible with the data acquisition system- model NI USB 9234 (compact DAQ chassis (4 slot USB) , 4 input 24 bit, 51.2 kS/s SW, selectable IEPE & AC/DC) and LabView software- already available with the laboratory of department of Civil Engineering

Item No.	Description	Quantity
1.	<p>Accelerometer, Integrated Circuit Piezoelectric (ICP) type, (sensitivity 100 mV/g) with connector cable and mounting base, mounting stud and petro wax.</p> <p>Detailed specifications :</p> <p>Measurement range: $\pm 490 \text{ m/s}^2$ (peak)</p> <p>Frequency range ($\pm 5\%$): 0.5 to 10 kHz $(\pm 10\%)$: 0.3 to 15kHz</p> <p>Sensitivity: ($\pm 10\%$):100 mV/g i.e. $10.2 \text{ mV} / (\text{m/s}^2)$</p> <p>Resonant frequency: $\geq 50 \text{ kHz}$.</p> <p>Broad band resolution: $0.0015 \text{ m/s}^2 \text{ RMS}$</p> <p>Nonlinearity: $\leq 1\%$</p> <p>Transverse sensitivity: $\leq 5 \%$</p> <p>Sensing element: Ceramic</p> <p>Sensing Geometry: Shear</p> <p>Housing material: Titanium</p> <p>Weight : Less than 6 gms</p> <p>Size: less than 12 mm x 16 mm</p> <p>Electrical connector : 10-32 coaxial Jack</p> <p>Electrical connection position: side</p>	1
2.	<p>Impact Hammer, ICP type (10mV/ lb)</p> <p>Detailed specifications :</p> <p>Measurement range: $\pm 500 \text{ lbf}$ or $\pm 2,224 \text{ kN}$ (peak)</p> <p>Sensitivity ($\pm 10\%$) : 10mV/ lb or $2.25 \text{ mV} / \text{N}$</p> <p>Resonant frequency: $\geq 22 \text{ kHz}$</p> <p>Nonlinearity: $< 1\%$</p> <p>Sensing element: Quartz</p> <p>Sealing: Epoxy</p> <p>Hammer mass: $\leq 0.2 \text{ kg}$</p> <p>Extender mass Weight: $\leq 75 \text{ gms}$.</p> <p>Electrical connection position: back of handle</p> <p>Electrical connector: BNC jack type</p> <p>Excitation voltage: 20 – 30 VDC</p> <p>Constant current excitation: 2 to 20 mA.</p> <p>Output impedance: $< 100 \text{ Ohm}$</p> <p>Output bias voltage: 8 to 14 VDC</p> <p>Discharge time constant: $\geq 2000 \text{ s}$</p>	1

