

No.D2/6850/2014

Govt.Engineering College, Thrissur  
Dated :5 /11/2014

Superscription - Tender No.D2/50 /14-15  
Due date and time of receipt of tender -19-12-2014 2 PM  
Date and time of opening of tender -20.12.2014 11 AM  
Date upto which the rates are to be firm for acceptance - Six months from the date of opening  
Price of tender form - Rs.3360/-  
Price of duplicate form -  
The address from whom the tender forms are to be obtained and to whom the forms are to sent - The Principal  
Govt.Engineering College,  
Thrissur - 680 009.

SCHEDULE

*SPECIFICATION SEPARATELY ATTACHED*

Sl.No.	Name of item	Quantity
1.	Impact Testing Apparatus	1

Period within which goods should be delivered : Immediately on receipt of this order  
Rate should be quoted for delivery : F.O.R., Thrissur  
Make brand name of the item should be quoted  
Payment after verification/ installation of the stores  
Guarantee period should be specified

NOTES

Preliminary agreement as per clause 33 of general conditions of tender is to be executed on Kerala Stamp Paper worth Rs.100/- offers without the following documents will be rejected outright.

- Prescribed tender form (Original) purchased from this office
- EMD @ 1 % of the tendered value

  
PRINCIPAL

## **Impact Testing Apparatus**

### Specifications

Mono-axial Impact Tests according to Charpy, Izod and Tensile Impact methods

#### **Standard:**

ASTM D256 - D6110 - D1822 - D4812, DIN 51222, ISO 179 - 180 - 8256

Designed based on a casting mainframe which contains all electric and mechanical Devices, Electronic crosswise levelling system, Centering system for Charpy specimens Safety systems:

- double "PULL" type hammer release
  - side safety shield
  - braking system slows down the descent of the hammer after the impact
- User interface with 7-inch touch-screen display to input test parameters and display the energy and the resilience values after the impact Auto-test functions when switching on and troubleshooting coding Hammer calibration control with display of the reduced length and the swinging period with Possibility to print out hammer check report Serial port for connection to PC Automatic display of the ascent angle and of both the potential energy and actual speed of the impact Multilanguage data display and data settings Braking system to slow down the descent of the hammer after the impact Selection of SI or BU measuring units Storing up to 100 tests The built-in microprocessor control system allows also for the printing of test reports complete with average values and standard deviations for up to 50 specimens.

#### **General:**

Dimensions (WxDxH): mm 510x275x680 (without shields) - mm 900x275x870 (with shields)

Weight: 125 kg (15J unit) without accessories (40 times heavier than hammers)

Power supply: 230 V, single phase, 50/60 Hz; 0.1 kVA 3 / 3

#### **IZOD SETTINGS**

Izod vice complete with spacers - standard - Code - 16010280 - **Q.TY 1**


2.75J Izod hammer - Code - 16010249 - **Q.TY 1**

#### **CHARPY SETTINGS ACCORDING TO ASTM**

Shoulders with spacers - Code - 16010270 - **Q.TY 1**

2.75J Charpy hammer ASTM - Code - 16010239 - **Q.TY 1**

The tender should include proofs for justifying the specifications.

  
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