



TENDER NOTICE NO.: IESTS/MinE/38/07/2018-19

Date: 21.12.2018

Department of Mining Engineering wants to purchase the following equipment for Laboratories/ Office.

- (i) ITEM No. 01 : Pulse Oximeter - 01 No. ----- for Safty Laboratory
- (ii) ITEM No. 02 : Electronic Weighing Balance - 02 Nos. --- for Mineral beneficiation Lab.
- (iii) ITEM No. 03 : Mini Projector - 01 No. ---- for HoD's Chamber

Reputed vendors are advised to send their quotations for individual items (the Tender Number, Item Name and number should be marked over the envelop) separately to the Head of the Department of Mining Engineering by **15.01.2019**. The vendors are also advised to send their companies registration certificate copy of GST certificate, copy of PAN card and Income Tax clearance certificate for the last three years accompanying the quotation. The vendors are also requested to attach the manufactures catalogue of the item quoted.

Tender application fee (Non refundable) Rs. 200/- (Rupees Two Hundred only) to be paid by Demand Draft in favour of Registrar, IEST, Shibpur payable at Kolkata.

The details specifications of the items are as given below.

I. ITEM No. 01

PULSE OXIMETER

Specification :

1. Should have plethismographic wave form with numeric display for SPO2 and Heart rate on LCD/TFT display.
2. Should have a SPO2 range of 0 to 100%.
3. Should have SPO2 accuracy of $\pm 2\%$.
4. Should provide bar graph for pulse strength.
5. Audio and visual alarm for both upper and lower SPO2, Heart rate.
6. Should provide with adult reusable finger probe with technology from standard reputed companies.
7. Beep sound and alarm sound should have separate volume control
8. Should have a minimum of 2 hours back-up time.
9. Should be a portable, light weight and desktop model.
10. Should work with input 200 to 240Vac 50 Hz supply.

Number of Quantity : 01 No.

II. ITEM NO. 02

ELECRONIC WEIGHING BALANCE

Specification :

- Maximum Capacity : 2.2 kg
- Readability : 0.01 g
- Repeatability (Test Weight) : 0.01 g (1,000 g)
- Linearity : 500 g



Department of Mining Engineering

- Adjustment : External
- Resolution : 0.01 g
- Housing : Die-cast aluminium, plastic ABS
- Dimensions (DxHxW) : 319 mm x 100 mm x 200 mm
- Weighing Pan Diameter : N/A
- Readability (Certified) : N/A

Number of Quantity : 02 Nos.

III. ITEM NO. 03

MINI PROJECTOR

Specification :

Display Type	WVGA
Resolution	854 x 480
Brightness	100 Ansi lmn
Light source	LED (R/G/B)
Lamp Life (Hours)	20,000
Aspect Ratio	16 : 9
Screen Size	Max.401.32 cm (from 5 meters)
Offset	100%
Input	HDMI / MHL
Built-in Speaker	0.7w x 2
Speaker Type	Stereo
Built-in Battery (hours)	Up to 150 minutes at standard brightness [1900mAH]
Wireless	Mirroring / DLNA
Size (in mm) WxDxH	111 x 111 x 17.2
Weight in gm.	260
Basic Packages	AC adapter, HDMI Cable, Manual, Tripod, OTG Cable
Warranty (Std)	1 Year

Number of Quantity : 01 Nos.