



Department of Mining Engineering
Indian Institute of Engineering Science and Technology, Shibpur
(An Institute of National Importance)

TENDER NOTICE NO.: IESTS/MinE/38/05/2018-19

Date: 24.12.2018

Department of Mining Engineering wants to purchase the following equipment for Laboratory.

- (i) ITEM No. 01 : Sound level meter - 01 No.--- for Mine Ventilation Laboratory.

Reputed vendors are advised to send their quotations for this item (the Tender Number and Item Name should be marked over the envelop) to the Head of the Department of Mining Engineering by **18.01.2019**. 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 specification of the item is as given below.

- (i) **ITEM No. 01**

SOUND LEVEL METER

Specification:

Integrating Averaging Sound Level Meter with Octave and one third Octave band analysis

- Type: Class I
- Frequency Weightings: A, C and Z
- Range: 30-140dBA(upto 140dB peak)
- Display: Backlit LCD display with Graphical representation
- Averaging: Fast, Slow and Impact
- PC connectivity: USB cable
- Software: Software data downloading from sound level meter and analyzing the same. The software should display the data in .txt,.xls and .mdb formats. The software should have capacity to eliminate the undesired noise e.g. cars, doors etc(back erase). Other capabilities like dynamic selection of recorded stretches forediting, calculation of global and spectral values and statics.
- Standards: EN 61672 class2, EN61260:95 (A1:01) class2; IEC61672, IEC 61260, ANSI S1.4.83 etc.
- CE mark: Complied to 73/23/CEE and CEM 93/68/CEE.
- Resolution: 0.1dB
- Measurements: Sound pressure level (SPL) in all averaging model i.e. Slow, fast and impulse, Equivalent continuous SPL with time integration, Sound exposure level (SEL), Peak SPL, Dynamic subtraction, Percentiles, Short functions (with 125ms integration time)

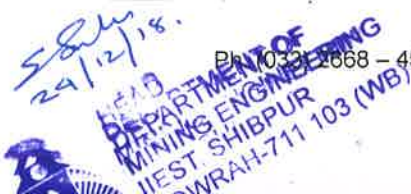
Octave Band (1/1) and One Third Octave Band(1/3) analysis feature

Dosimeter module for the measurement of noise exposure

Number of Quantity : 01 No.

P.O. Botanic Garden, Howrah – 711 103

Ph: 033-2668 – 4561 extn 486 (O), Fax: (091)-(033)-2668 – 2916, email: hod@mining.iiests.ac.in





Department of Mining Engineering
Indian Institute of Engineering Science and Technology, Shibpur
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TENDER NOTICE NO.: IESTS/MinE/38/06/2018-19

Date: 24.12.2018

Department of Mining Engineering wants to purchase the following equipment for Laboratory.

(i) ITEM No. 01 : Spirometer - 01 No. --- for Safety & Ergonomics Laboratory.

Reputed vendors are advised to send their quotations for this item (the Tender Number and Item Name should be marked over the envelop) to the Head of the Department of Mining Engineering by **18.01.2019**. 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 specification of the item is as given below.

(i) ITEM No. 01

SPIROMETER

Specification:

- **MIR 911000E1 Minispir New PC Based Spirometer** with 1 reusable turbine and software.
- Plugs directly into the USB socket of your PC, no need of batteries or other connections. Provided of internal temperature sensor for automatic BTPS conversion.
- Capable of measuring parameters: FVC, FEV1, FEV1/FVC%, FEV6, FEV1/FEV6%, PEF, FEF25%, FEF50%, FEF75%, FEF25-75%, FET, Vext, FIVC, FIV1, FIV1/F1VC%, PIF, *FVC, *FEV1, *PEF, VC, IVC, IC, ERV, FEV1/VC%, VT, VE, Rf, ti, te, ti/t-tot, VT/ti, MVV best values.
- The standard packaging should contain 1 CD winspiro PRO PC software, 1 USB cable, 1 noseclip, 1 carrying case, 1 CD with multi-language user manual. 1 x reusable turbine, Transducer 1 disposable turbine flow meter with mouthpiece.

Number of Quantity : 01 No.

S. S. Chakrabarti
24/12/2018
HEAD (Act.)
DEPARTMENT OF
MINING ENGINEERING
IEST, SHIBPUR
HO: P.O. BOTANIC GARDEN, HOWRAH - 711 103 (WB)