

**THE ENGLISH AND FOREIGN LANGUAGES UNIVERSITY  
HYDERABAD – 500 007**

**Date: 24.8.2017**

**TENDER ENQUIRY FOR “ACCOUSTICALLY TREATED RECORDING ROOM”**

The English and Foreign Languages University, Hyderabad invites tenders from reputed firms to convert the existing room size on the campus into acoustically treated recording set up by constructing partition walls (5qx 6q= 30 sft.).

The acoustically treated recording room must comply with the following technical specifications.

***ACOUSTICALLY TREATED RECORDING ROOM***

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**STANDARD ACOUSTIC TREATMENT**

- **Wall treatment**
  - **High frequency acoustical treatment:**
  - **Low frequency/ Non resonating acoustical treatment**
- **Ceiling treatment**
- **Sound treated Door**
- **Sound treated Window**
- **Partition Wall**
- **Flooring**
- **Painting**
- **Basic Electrical and instrument wiring**

## ***TECHNICAL DETAILS***

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### ***SOUND TREATED RECORDING ROOM – Single room set up with sound lock.***

#### **Partition Wall with acoustical treatment**

The existing room should be converted into recording set up by constructing partition walls using Gypsum sheets suitably placed at the cavity. **A small sound lock should also be generated for better acoustic insulation.** The walls should consist of connecting doors and observation window wherever required. The Partition walls should have 150mm thickness with 12.5mm thick gypsum boards to both sides encased supported by GI framework as per IGL's specifications or equivalent aluminum frame using conventional hardware. The frame work is to be adequately anchored in the wall/floor. Acoustic insulation in partition frame work should be 100mm thick glasswool/rockwool of designed density, tied to the frame forming high frequency absorbers. For band extended treatments air-gaps should be generated. The entire treatment should be finished to receive paint.

#### **Wall treatment**

Existing walls would be acoustically treated using gypsum based acoustical treatment The treatment should consist of 75mm thick partition with 12.5mm thick gypsum acoustical aperture board made out of GI framework as per IGL's specifications with glass wool/rockwool material. The frame work would be adequately anchored in the wall/floor. Acoustic insulation in partition frame work should be 50mm thick glasswool/rockwool of designed density, tied to the frame etc. forming high frequency absorbers. The partition framework should be covered from all sides with bass traps/low frequency absorbing treatment and entire treatment would be finished to receive paint.

Bass Traps: Gypsum wall frame work shall be covered from all sides with bass traps / low frequency absorbing treatment. The entire surface would be painted.

## **Ceiling treatment**

The treatment should consist of gypboard false ceiling suspended using GI frame work and 12.5mm thick gypsum Quattra/line board with glasswool/rockwool insulation of designed density. This should include all necessary cutouts for electric fixtures, AC fixtures etc., to get an even smooth surface to receive paint with corner /J beads as required to get straight and true edges as per Acoustical consultant's design and direction. Gypsum boards would be joined and finished so as to have a flush look which includes finishing the tapered and square edges of the gypsum board with joining compound, paper tape and the surfaces shall be prepared and finished to receive paint.

## **Sound treated Door - Appx. 6'0" x 2'6"**

**A** door of desired size should be created using plywood frame. Multiple layers of medium should be created using fiber material, plywood, air gaps, etc. The closing mechanism should consist of heavy duty door closer provided on the back side of the door. Compression material having more than 30% compression ratio should be provided across the closing edge of the door.

## **Acoustically treated window Appx. 2'0" x 2'0"**

The breathing window should consist of **two glass panes (bubble free)** of variable thickness with suitable angles to stave off possibility of resonance and to improve (Tx) transmission loss. Both should be fixed using plywood and compression material having minimum of 30% compression ratio. The glasses should be placed apart and moisture-absorbing chemicals should be provided in between to restore good view for long time.

## **Flooring**

Acoustical mat should be provided over the entire surface of the floor and extended 6" along the skirting. The mat should be pasted using good adhesive material.

## **Painting**

This includes preparing the surface if necessary. The entire surface should be painted using putty, one coat of oil based primer and two coats of Luxury Emulsion paint.

### **Electrical and Instrument wiring (inside the setup)**

Electrical work should consist of providing one numbers of CFL Tube and switch boards as desired. The connections should be made to avoid magnetic interference between audio and electrical signals. Completely pre-wired jack panel would be provided under window with three XLR jack plugs.

### **Acoustical corrections and Consultancy**

This should include drawing, designing, supervision, execution, testing and commissioning of entire acoustic treatment along with electrical equipments to be installed in future for communication. An engineer/supervisor should be deputed on site during the actual installation of project to ensure desired standard quality is met.

Acoustical corrections shall be made after the installation, based on actual acoustical measurements taken. The acoustical parameters should be restored after alteration of acoustical treatments.

**The total floor area of the acoustically treated room should be 5' x 6' – 30 sft.**

The bids shall be submitted in TWO-BID format in separate sealed covers, the technical bid in one envelope and commercial bid in another separate envelope. Both these envelopes should then be enclosed in one bigger envelope.

The Technical bid and Commercial bid should be clearly marked on the corresponding envelope. Item description & due date must be compulsorily mentioned on both envelopes contained within another main envelope duly sealed, which shall also have Item description and due date super scribed.

### **Technical Bid:**

- Please give list of present users etc. along with the operating parameters, payment terms, performance guarantee period etc., very explicitly without any ambiguity.
- All relevant technical literature/ brochures, if any must also be provided explaining the features of the specifications given in the tender enquiry.
- If any of the specifications are not matching . it must be clearly indicated.
- No price information should be given in the technical bid.

**Commercial Bid:**

- Give full prices in Indian rupees etc. indicating item-wise price for the items mentioned in the technical bid

**Vender qualification criterion:**

- The vendor must have set up at least two similar works and submit details of Purchaser Orders etc.
- Deviations if any from the tender specification and exclusions from the scope of supply shall be clearly spelt out in the quotation.
- Bidders are requested to confirm that in the event of firm being selected for placement of order, your firm will provide performance guarantee.

**Terms and conditions**

- The vendor must have set up at least two similar works and submit details of Purchaser Orders
- Deviations if any from the tender specification shall be clearly spelt out in the quotation.
- Sealed Quotation addressed to the Registrar, EFLU, should be sent to the **Registrar, EFL University, Hyderabad – 500 007 on or before 4.00 PM on 11th September 2017** in person to be dropped in the tender box kept in the Administration Section of the University (or) by Speed Post.
- Validity of the quotation, price, period to complete the work and payment terms must be mentioned very clearly with no ambiguities.
- Educational discounts and concessions, if any, should be clearly indicated in the quotation.
- The quotations should be complete in all respects and duly signed.
- The EFLU reserves the right to reject any/all quotations, or accept any offer or part thereof, without giving any reasons. Its decision in the matter will be final.