

**DR. B. R. AMBEDKAR CENTER FOR BIOMEDICAL RESEARCH UNIVERSITY OF
DELHI, DELHI-110007**

Expression of Interest

1. Refurbishing of Seminar Hall at ACBR

Regarding the subject matter mentioned above, ACBR invites sealed quotations for refurbishing the seminar hall with the installation of acoustic wooden walls. The detailed specifications of the desired job work are given below.

Interested parties may visit ACBR for a sight visit regarding the renovation work of the seminar hall on any working day. Thereafter, they are advised to send sealed quotations by 26th February 2025. All the rules and regulations of the University of Delhi will be applicable as per GFR 2017.

1. Refurbishing of seminar hall at ACBR - Installation of acoustic walls with the following specification

- Installing GI Channel grid framework made of a GI sheet 0.5 mm thick. The grid is to be fixed to the wall using all screws of Stainless steel. The cavity of the grid shall be filled with 50 mm thick compressed Rockwool of 48kg/m³ confirming to IS8183 as infill and, finally, a wooden acoustic panel fixed on the GI Channel grid as a final finish. Panels are tested and confirmed NRC 0.90 or higher as per IS:8225/ISO: 354/ASTM 423C and FR Rating Class 1 as per BS 476 Part 7-1997 Test report from OEM to be submitted.
- Providing laying and fixing of under-screed acoustic wall isolation treatment. Product: Pack sound sheet good quality mass-loaded vinyl sheet for impact noise insulating underlayment for various wall structures under screed beds and floating walls

Thickness: 05 mm or better; Length and width: 4m x 1.1 m or as per room dimensions.

Composition: High density concentrate with semi-rigid nonbituminous liquid Reduction of transmitted impact noise, ΔL_n : 42dB

Dynamic stiffness: 1.2~1.5 MN/m³; Density: 2000 Kg/m³; Compression strength to 25%: > 29.66 MPa, at Max 10% ~ 4.21 MPa

Load capacity: >2300 Kg/m²; Tensile strength: 30.3 - 993 \pm 2 MPa at 58.6054 - 58.6054 MPa @Temperature 150 - 150 °C

Reaction to fire: ASTM E119 and ASTM E84 Class A fire-rated; Thermal conductivity: 0.17 W/m²*K; Airborne sound reduction improvement ΔR_w : 42 dB; Temperature range: -

30 to 70 °C. All materials are to be approved by the Acoustic consultant /architect prior to installation.

- Supply and installation of Grooved Wooden Slats made out of Prelaminated (Greenlam or equivalent Indian make) 16 mm Thick, and the wooden acoustic panel size of 590mm x 2420 mm with a high-density 700-750 Kg/m³, Groove Size 3.2mm at an interval of 28 mm c/c as per acoustic design / Architects' approval with a perforated pattern on its back hole Dia. 10 mm, wooden acoustic panels to be backed with black acoustic fleece. All joints of the wooden acoustic panel should have a dowel connection to avoid any sagging /unevenness.

Core Variants – MDF Board ; 16mm in Thickness with Groove Size 3.2mm at an interval of 28 mm c/c; Density MDF Board (700-750 Kg/m³); Noise absorption of 0.1 NRC (50mm thick acoustic insulation)

Fire Rating Class 1 as per BS 476 Part 7-1997 ; Light reflectance Colour dependent; VOC Low

The product should be made in India; Wooden slat should not be of tongue and groove joint model

All makes and models of all items/samples should be approved by the engineer-in-charge before the installation.

14/02/2025


Director, ACBR