

Tender document

Department of IME
Indian Institute of Technology Kanpur
Kanpur (UP) 208016 India

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Enquiry date: 07-03-2022

Enquiry No: IITK/IME/2021-2022/315

Quotations are invited for **Sound Proofing and Acoustic work for Recording Room**, the detailed of technical specification is described below.:

S.No.	Name of Items	Area (In foot)	Technical Specification
1.	Isolation Treatment on wall & ceiling (As per actual size)	Annexure -I for details	Providing & Fixing Acoustic insulation Tec sound 35 Acoustic polymeric membrane of 1.8 mm@ 3.5kg per sqmtr weight , Density 2000 kg/m3, Fire class, B2-s2-d0, Euro class B as per Tensile strength (UNE 104-281/6.6): > 30 N/cm2 (membrane), Acoustic Properties R(dB) , 500 Hz > 27.2 Db, 630 Hz > 29 dB, 800 Hz > 30 dB, 1000 Hz > 32 dB, 1250 Hz > 34 DB SOUND membrane to be installed on wall & Ceiling while using rubber based adhesive. All joints would be filled with acoustical sealants.
2.	Acoustic work on wall with wooden grooved & Ceiling (As per actual size)		Providing and fixing Wooden grooved panel having system NRC up to 0.75 with lineal perforation. The Fibre sheet of 4mm shall be melamine laminate of size 600mm x600mm x 35mm with edges for seamless mounting having density of 400kg/m3). The black of the panels are with open cell foam of 32kg density with Sound absorption via the acoustic impedance method. providing and fixing of 68mm thick wall panel system using PET fiber acoustic mat finish panel 9mm thick @ 200kg/m3 density with Class A fire rating as per ASTM E 84 & thermal conductivity 0.034w/mk with desired acoustic management 0.80 NRC. The G.I. frame of thickness 0.50 consists of GI metal stud frame of size 50mm having one flange of

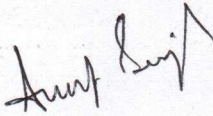
		<p>41mm and other of 44mm placed @ every 600 mm c/c in vertical direction</p> <p>The glass wool of thickness 50mm and density 16Kg/m³. On outer side one layer of 9mm perforated plywood or MDF board is screwed. These boards are perforated on site 50% area is perforated. Finally, 9mm thick Polyester fiber acoustic panels are pasted on top of MDF board (using any acrylic adhesive such as fevicol SR998 or hot melt adhesive) of the board as per design of the architect. The entire system should eco-friendly, 100% recyclable & toxic free.</p>
3.	3D Acoustic Diffuser wall panel (Qty: 01)	Austine pine wood (Size: 7.5ftx3.28ftx4inch) diffusion frequency rang: 290Hz to 6kHz, NRC:0.38
4.	Floor work (As per actual size)	Floating floor Isolation fixing machine tufted loop pile/cut pile high low scroll nylon carpet effective pile height 6mm, total pile weight not less than 850 gm/sqm. Secondary backing action back 55 gms/sqm. In rolls as per size, shade, design and direction of Engineer-in-charge and as per manufacturer's specifications. The sample should be approved by the in-charge before start of the work.. The carpet to be backed with 6mm thick PU underlay.
5.	Soundproof Door (02)	<p>Providing & fixing Iso Nankarrow Gate-W soundproof acoustic door specification of Size 8.7x4.10 with STC 30DB.</p> <p>Door thickness (60mm*80mm*100mm)</p> <p>Door size (W*H – 4.10ft*8.7ft)</p> <p>Door Hardware stainless steel</p> <p>Door frame Solid wood</p>

Terms & Conditions:

1. The price of each item should be quoted separately (Any item can be cancelled at any time).
2. Quotation must be valid for 30 days, in case of import this should be valid for 90 days
3. All prices are to be for **IIT Kanpur**.
4. Please provide official e-mail id for conversation post quotation opening.
5. Delivery period must be within **4 weeks** from purchase order date.
6. The institute is exempted for payment of Excise duty under notification No. 10/97 & partially custom duty (@5.15%), under notification 51/96 and a road permit will be provided, if applicable. The Concessional Form 'C/D' have been abolished w. e. f. Apr 01, 2007.
7. Our standard payment terms and conditions is **90%** on installation and **10%** after inspection and approval.
8. The **Penalty** @1% per week or part thereof subject to max 10% of the delivery price will be deducted from the balance payment, if supply is not completed within aforesaid delivery period.

9. Preference will be given to only those vendors who have Service/ Repairing center stationed at Kanpur (Single point of contact in Kanpur for any service related issues).
10. No Call Locking will be entertained (in/out stationed). If at all it is required then it will be performed by local Maintenance Engineer.
11. Testing of the product onsite is mandatory.
12. It is mandatory to quote for above given optional, else the quotation may be rejected.
13. Reporting time should not be more than 2 hours.
14. Resolving time should not be more than 2 days.
15. At any time prior to the deadline for submission of bid, the Institute may, for any reason, at its own initiative, modify the bid document by amendments. Such amendments shall be uploaded on the website through corrigendum and shall form an integral part of bid document. The relevant clauses of the bid document shall be treated as amended accordingly. It shall be the sole responsibility of the prospective bidders to check the website from time to time for any amendment in the tender document. In case of failure to get the amendments, if any, the Institute shall not be responsible for it.
16. A higher warranty may be given preference.
17. The Institute reserves the right for accepting and rejecting any quotation without assigning any reason thereof. Also, The Institute reserves the right to reject or accept all or any of the offer made above.
18. IIT Kanpur has the right to accept the whole or any part of the tender or portion of the quantity offered or reject it in full without assigning any reason.
19. Vendors are requested to quote only in Indian currency (Rupees). If the vendor wants to quote in an alternate currency, the vendor should seek an explicit permission from the department before sending the bid.
20. If all or any of the components of the equipment is/are to be imported, the vendor holds its full responsibility for its delivery at IIT Kanpur and that too in the stipulated time period. If for any reason the vendor does not want to deliver to IIT Kanpur, the vendor needs to seek an explicit permission from the department, **before** sending the bid.
21. Maximum educational discount should be offered wherever applicable.
22. Mention the country of origin and product should not belongs to PRC.
23. IIT Kanpur is partially exempted from payment of GST (@5% only), IIT Kanpur will provide GST exemption certificate for the same. Institute is partially exempted from GST and the same should be offered in your bid as well. Items used for research & development purpose as specified in column 3 of notification no. 45/2017 & 47/2017 dated 14 Nov 17 will be partially exempted for GST.
24. Installations should be done by professional and technical experienced personals.
25. Before delivery of items, the Vendor should approve all items by the authority.

Quotations should be in the name of: -



Dr. Anoop Singh

Professor

Department of IME

Indian Institute of Technology Kanpur

Kanpur 208 016, India

Mailing Address:

Prof. Anoop Singh

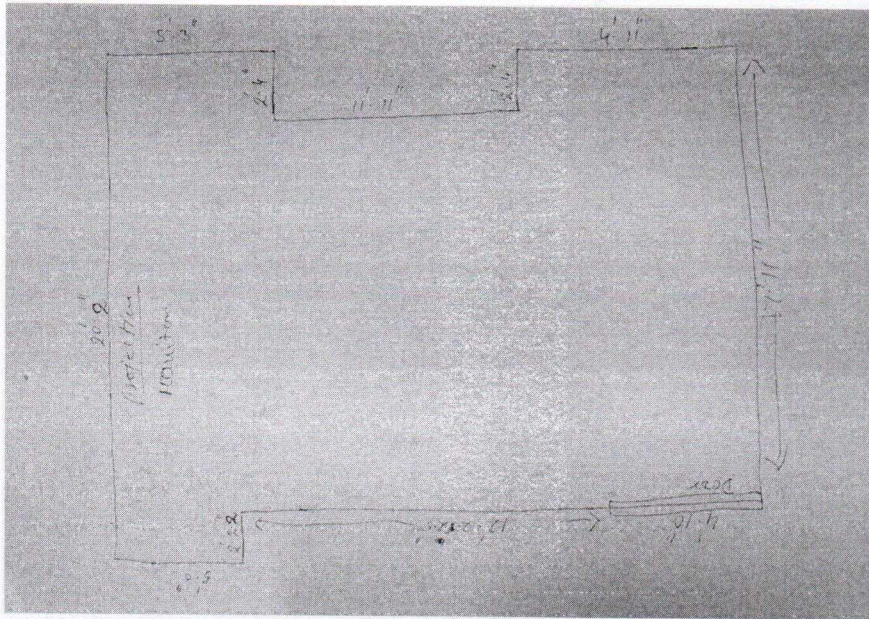
Contact- 0512-259-7679

Room no. - 214, Department of IME

Institute of Technology Kanpur

Kanpur 208 016, India.

1. Room Size



2. Roof Size

