

Name of Institution	South African Library for the Blind
Request for Quote/Proposal Number	SALB 2020/10/01
Description	Design and Construct Mobile Recording Booth (Studio) X 2 for Mdantsane Library, East London
Date Requested	07/10/2020
Closing Date	16/10/2020
Compulsory Briefing Session	n/a
Contact	Mr. Siya Mini
Scoring	80/20 preference point system

Request for Quotation:

A detailed proposal is requested from suitable service provider for the above-mentioned quotation.

Requirements for submission:

1. Detailed proposal (include installation and all sundries)
2. List of reference(s) for the project of same nature
3. **Note: Service provider must provide a Generator for electrical and testing purposes. Currently the library has no electricity.**

Closing Date: 16/10/2020

Terms of reference:

1. Roof & Wall Construction

Roofs and walls are constructed from standard 102mm Steel Track and Stud with composite sheet metal and sound absorbing insulation on inner and outer skin with 60kg/m³ Density infill and acoustic panels to cover.

Average weights are no less than 50kg/m²

2. Floor Construction

Floors shall be 50mm high and structurally reinforced. All floors are carpeted. Average weights are no less than 90kg/m².

Floors float on properly loaded vibration isolators rated for a natural frequency of 6.5Hz for maximum elimination of structural noise.

3. Acoustic Infill

Floor, wall, door and roof panels shall be sound retardant, absorbing, inert, mildew resistant and vermin proof. Heat transfer factor shall be no more than 0.397W/m² °C.

4. Door Construction

Flush fitting doors with twin magnetic seals, cam lift hinges and pull handles shall be provided with a clear opening of 838mm wide x 1800mm high. Wall & Roof Panel 'H' Joiners Wall and roof panels shall be acoustically and structurally joined together to maintain the acoustic integrity of the booth.

5. Window Construction

Windows shall be 1200mm(L) x 400mm(H) (sizes may vary in some orientations), using sealed double-glazed assemblies within profiled steel frames. With wrap around section of glass 300mm(L) x 400mm(H)

6. Jack Panel

Not required as audio will be recorded internally.

7. Electrical

All booths are provided with lighting operated from an adjacent switch. A separate switch will control the ventilation system. Power operation 240 volt, 50Hz. (All cable supplied by others). 3 X plug socket inside each booth.

8. Ventilation:

Ventilation system roof or wall mounted. A further 370mm should be added to the height, width, or depth of the booth, depending on the location of the system. Cooling system to keeps the room temperature at least 20 degrees Celsius.

9. Noise Reduction & Sound Absorption Noise Reduction:

The minimum allowable noise reduction of completely assembled rooms, as tested in accordance with ASTM Standards in a recognised independent and approved laboratory.

10. Sound Absorption:

The composite sheet metal and sound absorbing assembly shall have a sound absorption coefficient based on laboratory tests in accordance with ASTM C423-77 as shown in the table below.

- Octave Band Centre Frequency (Hz) NIC 125 250 500 1k 2k 4k 8k
- Noise Reduction (dB) for Double Wall Booths 47 62 83 91 99 97 91 70
- Sound Absorption Coefficient 0.49 0.37 0.83 0.96 0.99 1.0 –
- Noise-reduction measurements shall be made in accordance with the following ASTM
- Designations: E596 and, where applicable, portions of E90 and E336. * Defined as the measured difference between the sound pressure levels in a reverberant room, outside the booth and inside the booth.
- Noise Reduction. dB Octave Band Centre Frequency, Hz.

11. Construction Size:

Height: 1900mm Length: 1850mm Width: 1450mm 1 Door. Double pane window as per specification above.

12. Additional items:

- Table permanently installed against length wall.
- Chair- High-back Chair with wheels
- Microphone on swivel neck table mount boom stand - Shure SM7B with M&K stand (2 X Spare Microphone) per booth
- Headphones (Closed ear and noise cancelling)- Sennheiser, Shure, Beyerdynamic and (2 X Spare cushions) per booth
- Audio/Recording Interface - Focusrite Scarlett Solo or similar

13. Proposal Requirements & Terms and Conditions

- a. Suppliers must be registered on the Treasury Centralised Supplier Database (CSD) and be fully compliant. Bid Declarations forms must be completed.
- b. The request for quote/proposal number for the submission is: SALB 2020/10/01
- c. The proposal should contain an all-inclusive quote and the amount to be quoted must be in line with the request by the SALB.
- d. Service providers may contact Mr. Siya Mini on 046-622-7226 or email siya.mini@salb.org.za for clarification in terms of the requirements.
- e. Non-adherence to the above guidelines may lead to the rejection of a submission.

13. Deadline for submissions

Submissions should reach the library electronically or in print on or before 12:00 on 16 October 2020

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Hand deliveries:

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