

NATIONAL INSTITUTE OF DESIGN, AHMEDABAD

BILL OF QUANTITY

Name of the Project:-Providing & Installation of proposed sound room at 1st Floor at NID Ahmedabad

NIT No. NID/10/2022-23 Date : 07.11.2022

BID SHEET

SR.NO.	DESCRIPTION	AMOUNT AS PER BOQ (INR)
1	Providing & Installation of proposed sound room at 1st Floor at NID Ahmedabad	-

GRAND TOTAL (INR).....

INR (IN WORDS).....

S. No.	DESCRIPTION	AMOUNT IN RS.
1	Controll Room	-
2	DUBBING BOOTH	-
	Total Amount(Rs.)	-

CIVIL WORK						
Sr.No.	Item no	Description of item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		Control room				
1	1.01	EXTERNAL SHELL (CIVIL) : (i) 150mm Siporex Blockwork Walls as per shared design. 1/2" Plaster on both sides of the walls. (Actual as per site).	14	SQM		-
2	1.02	EXTERNAL SHELL (CIVIL) : Make door openings as per architect's door schedule with 100x150mm timber for extra support	1	NOS		-
3	2.01	FLOATING FLOOR : Line Markings on the floor as per the shared scheme; to be verified by the PMC for conformity to the Airgaps mentioned in the drawings.	1.00	JOB		-
4	2.02	FLOATING FLOOR : Build separate floated floor for each studio as per design. Paste 5mm Impactodan 5 as per the shared Floor Layout schematics over a levelled Floor. Kindly follow all installation practices as shared by the OEM. Pour min 60mm Reinforced Concrete Screed (M60 Grade) as per OEM Specifications and guidelines. Ensure no bridging between the side walls and the Concrete Screed and that all perimeter strips have been securely pasted to the side walls. Finish the Concrete Floor with minimum required self-leveling concrete as per MAI Schematics	33.12	SQM		-
3	3.01	BEAM ISOLATION SHELL : Providing and Fixing Isomax Clips in a grid of 600x600mm C.C. on the column. The clips will be spaced at 75mm from the perimeter. Furring Channels to be affixed to the Isomax Clips. The furring channel to be clad with 1 x 12mm Habito Board + 1x5mm 10Kg/m2 MLV + 2x12mm MR Gypsum Board. All joints to be staggered and sealed with clear, neutral silicon sealant. Corner details to be followed as shown in the Drawing Details. 25mm 96 density rockwool in all framing voids. 13mm Insushield to be used as perimeter strip as shown in the drawing detail. Including Seal All Service Entry Openings following the shared Standard Services Details.	20.50	SQM		-
5	3.02	BEAM ISOLATION SHELL :Seal All Service Entry Openings following the shared Standard Services Details. Rate to be quoted as a Lumpsum Amount for sealing all service openings in the Isolation Shell	1.00	JOB		-
4	4.01	INTERNAL ISOLATION SHELL : Prepare a 75mm GI/Aluminum/Timber frame (600 C.C) as shown in the drawings. The Floor Runner to be affixed to the floating floor and the Head Runner to be affixed to the ceiling slab by means of 12mm Natural Rubber Strip as per the shared schematics and Layouts. 50mm 60Density+25mm 96Density Rockwool to be filled in the GI Frame with a chicken mesh (or Nylon mesh) backing so as to prevent the spillout of rockwool into the air gaps. Following Layers to be executed on the timber frame: 1x12mm Habito Board + 2x12mm MR Gypsum Board. All joints to be staggered and sealed with Clear Silicone Sealant. 25mm Ply Perimeter Strip to be used under the Foot Runner of the GI Frame as shown in the drawing Details	56.93	SQM		-
4	4.02	INTERNAL ISOLATION SHELL : Seal All Service Entry Openings following the shared Standard Services Details. Rate to be quoted as a Lumpsum Amount for sealing all service openings in the Isolation Shell	1.00	JOB		-
5	5.01	ISOLATION CEILING : Line markings on the ceiling as per the shared scheme; to be verified by the PMC for conformity to the airgaps mentioned in the drawings.	1.00	JOB		-
5	5.02	ISOLATION CEILING : Providing and Fixing Isomax Clips in a grid of 600x600mm C.C. on the column. The clips will be spaced at 75mm from the perimeter. Furring Channels to be affixed to the Isomax Clips. The furring channel to be clad with 1 x 12mm Habito Board + 1x5mm 10Kg/m2 MLV + 2x12mm MR Gypsum Board. All joints to be staggered and sealed with clear, neutral silicon sealant. Corner details to be followed as shown in the Drawing Details. 25mm 96 density rockwool in all framing voids. 13mm Insushield to be used as perimeter strip as shown in the drawing detail. (Rate quoted to include vertical drops of 150mm & all cut-outs required for Aircon ducting openings,light circuits, fire pipes etc)	25.00	SQM		-
6	6.01	DOORS :Providing & fixing Acoustically designed doors with a f BTC 6" x 3" Frame. Door Leaf to be assembled as per the shared schematics: 40mm door blank 30 min FR (Not Pine) + 1x5mm 110KG MLV + 25x25mm Framing with ABfoam in the framing Voids + 18mm Birch Ply bonded to 2mm GI Sheet as shown. All door hardware and finishing as per Architect's Details. Atleast 4 hinges to be used of Magnum (5" x 3.25" ball bearing type).The door closer should be heavy duty (125 kg. The handle should be solid and be a high gauge 12 " D type. Cost shall include perimeter magnetic seals and corner seals for all 4 sides of the door frame	2.00	NOS		-
7	7.01	WINDOW : Between Control Room and Dubbing Booth: Installation of 3 layers of PVB Laminated glazing units complete with Framing in timber and 25mm Birch Ply, and 25mm Abfoam as per the shared schematics. The glazing units to be 12+1.52+12mm PVB Laminated Glass, 8+1.52+8mm PVB Laminated Glass and 6+1.52+6mm PVB Laminated Galss.	2.10	SQM		-
8	7.02	WINDOW : Between Control Room and External Facade: Installation of 3 layers of PVB Laminated glazing units complete with Framing in timber and 25mm Birch Ply, and 25mm Abfoam as per the shared schematics. The glazing units to be 12+1.52+12mm PVB Laminated Glass, 8+1.52+8mm PVB Laminated Glass and 6+1.52+6mm PVB Laminated Galss.	1.20	SQM		-
9	8.01	WALL TREATMENT SCHEME : Providing 18mm PINE MDF (E1 NORM) sides and 12mm back. The depth of modules vary between 150mm-200mm. They will be filled with 50-100mm 64 density Rockwool. The front will have Soundblock 50 stuck on back side of the 3mm PINE MDF (E1 NORM).This MDF is fixed with minimum pins to a 18mm pice of MDF fixed on the inner perimter of the 18mm sides. The gaps between the 3mm MDF and the 18mm sides is sealed with mastic to ensure an air tight void behind.The exposed sides of the modules will be finished with Veneer.	48.66	SQM		-
10	8.02	WALL TREATMENT SCHEME : Providing and Fixing Abfoam/FR Acoustic foam varying between 25mm-50mm in front of modules	48.66	SQM		-
11	8.03	WALL TREATMENT SCHEME : Back Wall modules of Control Rooms only made in the front made of 6mm curved MDF with slotted design (As per Munro) backed by 25mm Abfoam->finished with Veneer.	5.55	SQM		-

Sr.No.	Item no	Description of item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
12	9.01	CEILING TREATMENT SCHEME : Providing and Fixing 25mm Ab Foam in the ceiling area as per the details shown in the drawing	33.20	SQM		-
13	9.02	CEILING TREATMENT SCHEME : Hanging Modules : Providing 18mm PINE MDF (E1 NORM) Frame with no Back. The depth of modules vary between 100mm-150mm. They will be filled with 100mm 64 density Rockwool wrapped in Black Fiberglass Tissue + 50mm Abfoam affixed into the frame. The exposed sides of the modules will be finished in Polish / Veneer. The modules to be suspended from the ceiling as shown in the drawing with required supports and suitable Hardware	11.70	SQM		-
14	10.01	FINISHING : WALL TREATMENT SCHEME : The Wall Treatment Scheme to be Finished in 9mm Polyester Fiberboard as per Client's choice of Color Scheme and Munro Acoustics Fixing Details (Base rate 180/sqft)	48.66	SQM		-
15	10.02	FINISHING : CEILING TREATMENT SCHEME : The Ceiling Hanging Modules to be Finished in Acoustic Fabric as per Client's choice of Color Scheme and Munro Acoustics Fixing Details (Base rate 200/sqft)	11.70	SQM		-
16	10.03	FLOOR : The flooring to be Finished in client approved 10mm Laminate Wooden Flooring conforming to E1 Emission Norms. To be Affixed with suitable XLPE underlay (Base rate 200/sqft)	33.12	SQM		-
17	11.01	ELECTRICALS : Primary Lighting circuit 1.5sqmm as per scheme with Legrand Switches	10.00	NOS		-
18	11.02	ELECTRICALS : Secondary Lighting circuit 1.5sqmm as per scheme	11.00	NOS		-
19	11.03	ELECTRICALS : UPS/RAW Power circuit 2.5sqmm as per scheme with 5/15A Socket+Switch Legrand	10.00	NOS		-
20	11.04	ELECTRICALS : 32A Raw power circuit 4sqmm for AC as per scheme with Suitable MCB	2.00	NOS		-
21	11.05	ELECTRICALS : Data circuit cat 6A as per scheme	5.00	NOS		-
22	11.06	ELECTRICALS : 9W LED Light Fixtures as per basic rate and client approval	21.00	NOS		-
23	12.01	HVAC : 1.5 Ton Split AC Unit with Sound Power Levels (lower or equivalent) of Indoor Unit(Low/Mid/High/SHi) in dB(A) - 22/31/38/45	2.00	NOS		-
Control Room : Total Amount (Rs)						0.00
DUBBING BOOTH						
1	1.01	EXTERNAL SHELL (CIVIL) : (i) 150mm Siporex Blockwork Walls as per shared design. 1/2" Plaster on both sides of the walls. (Actual as per site). (ii) Make door openings as per architect's door schedule with 100x150mm timber for extra support (Actual as per site)	1	SQM		-
2	1.02	EXTERNAL SHELL (CIVIL) : Make door openings as per architect's door schedule with 100x150mm timber for extra support	1	NOS		-
3	2.01	FLOATING FLOOR : Line Markings on the floor as per the shared scheme; to be verified by the PMC for conformity to the Airgaps mentioned in the drawings.	1.00	JOB		-
4	2.02	FLOATING FLOOR :Build separate floated floor for each studio as per design. Paste 5mm Impactodan 5 as per the shared Floor Layout schematics over a levelled Floor. Kindly follow all installation practices as shared by the OEM. Pour min 60mm Reinforced Concrete Screed (M60 Grade) as per OEM Specifications and guidelines. Ensure no bridging between the side walls and the Concrete Screed and that all perimeter strips have been securely pasted to the side walls. Finish the Concrete Floor with minimum required self-leveling concrete as per MAI Schematics	20.99	SQM		-
3	3.01	BEAM ISOLATION SHELL : Providing and Fixing Isomax Clips in a grid of 600x600mm C.C. on the column. The clips will be spaced at 75mm from the perimeter. Furring Channels to be affixed to the Isomax Clips. The furring channel to be clad with 1 x 12mm Habito Board + 1x5mm 10Kg/m2 MLV + 2x12mm MR Gypsum Board. All joints to be staggered and sealed with clear, neutral silicon sealant. Corner details to be followed as shown in the Drawing Details. 25mm 96 density rockwool in all framing voids. 13mm Insushield to be used as perimeter strip as shown in the drawing detail.	10.85	SQM		-
5	3.02	BEAM ISOLATION SHELL : Seal All Service Entry Openings following the shared Standard Services Details. Rate to be quoted as a Lumpsum Amount for sealing all service openings in the Isolation Shell	1.00	JOB		-
4	4.01	INTERNAL ISOLATION SHELL : Prepare a 75mm GI/Aluminum/Timber frame (600 C.C) as shown in the drawings. The Floor Runner to be affixed to the floating floor and the Head Runner to be affixed to the ceiling slab by means of 12mm Natural Rubber Strip as per the shared schematics and Layouts. 50mm 60Density+25mm 96Density Rockwool to be filled in the GI Frame with a chicken mesh (or Nylon mesh) backing so as to prevent the spillout of rockwool into the air gaps. Following Layers to be executed on the timber frame: 1x12mm Habito Board + 1x5mm 10kg/m2 MLV + 2x12mm MR Gypsum Board. All joints to be staggered and sealed with Clear Silicone Sealant. 25mm Ply Perimeter Strip to be used under the Foot Runner of the GI Frame as shown in the drawing Details	48.67	SQM		-
4	4.02	INTERNAL ISOLATION SHELL :Seal All Service Entry Openings following the shared Standard Services Details. Rate to be quoted as a Lumpsum Amount for sealing all service openings in the Isolation Shell	1.00	JOB		-
5	5.01	ISOLATION CEILING :Line markings on the ceiling as per thew shared scheme; to be verified by the PMC for conformity to the airgaps mentioned in the drawings.	1.00	JOB		-
5	5.02	ISOLATION CEILING :Providing and Fixing Isomax Clips in a grid of 600x600mm C.C. on the column. The clips will be spaced at 75mm from the perimeter. Furring Channels to be affixed to the Isomax Clips. The furring channel to be clad with 1 x 12mm Habito Board + 1x5mm 10Kg/m2 MLV + 2x12mm MR Gypsum Board. All joints to be staggered and sealed with clear, neutral silicon sealant. Corner details to be followed as shown in the Drawing Details. 25mm 96 density rockwool in all framing voids. 13mm Insushield to be used as perimeter strip as shown in the drawing detail.(Rate quoted to include vertical drops of 150mm & all cut-outs required for Aircon ducting openings,light circuits, fire pipes etc)	14.28	SQM		-

Sr.No.	Item no	Description of item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
6	6.01	DOORS :Providing & fixing Acoustically designed doors with a f BTC 6" x 3" Frame. Door Leaf to be assembled as per the shared schematics: 40mm door blank 30 min FR (Not Pine) + 1x5mm 110KG MLV + 25x25mm Framing with ABfoam in the framing Voids + 18mm Birch Ply bonded to 2mm GI Sheet as shown. All door hardware and finishing as per Architect's Details. Atleast 4 hinges to be used of Magnum (5" x 3.25" ball bearing type).The door closer should be heavy duty (125 kg. The handle should be solid and be a high gauge 12 " D type. Cost shall include perimeter magnetic seals and corner seals for all 4 sides of the door frame	2.00	NOS		-
7	7.01	WALL TREATMENT SCHEME :Providing 18mm PINE MDF (E1 NORM) sides and 12mm back. The depth of modules vary between 150mm-200mm. They will be filled with 50-100mm 64 density Rockwool. The front will have Soundblock 50 stuck on back side of the 3mm PINE MDF (E1 NORM).This MDF is fixed with minimum pins to a 18mm piece of MDF fixed on the inner perimeter of the 18mm sides. The gaps between the 3mm MDF and the 18mm sides is sealed with mastic to ensure an air tight void behind.The exposed sides of the modules will be finished with Veneer.	39.94	SQM		-
8	7.02	WALL TREATMENT SCHEME : Providing and Fixing Abfoam/FR Acoustic foam varying between 25mm-50mm in front of modules	39.94	SQM		-
9	8.01	CEILING TREATMENT SCHEME :Providing and Fixing 25mm Ab Foam in the ceiling area as per the details shown in the drawing	12.80	SQM		-
10	9.02	CEILING TREATMENT SCHEME : Hanging Modules : Providing 18mm PINE MDF (E1 NORM) Frame with no Back. The depth of modules vary between 100mm-150mm. They will be filled with 100mm 64 density Rockwool wrapped in Black Fiberglass Tissue + 50mm Abfoam affixed into the frame.The exposed sides of the modules will be finished in Polish / Veneer. The modules to be suspended from the ceiling as shown in the drawing with required supports and suitable Hardware	7.20	SQM		-
11	10.01	FINISHING : WALL TREATMENT SCHEME : WALL TREATMENT SCHEME: The Wall Treatment Scheme to be Finished in 9mm Polyester Fiberboard as per Client's choice of Color Scheme and Munro Acoustics Fixing Details (Base rate 180/sqft)	39.94	SQM		-
12	10.02	FINISHING : CEILING TREATMENT SCHEME : The Ceiling Hanging Modules to be Finished in Acoustic Fabric as per Client's choice of Color Scheme and Munro Acoustics Fixing Details (Base rate 200/sqft)	7.20	SQM		-
13	10.03	FINISHING : FLOOR : The flooring to be Finished in client approved 10mm Laminate Wooden Flooring conforming to E1 Emission Norms. To be Affixed with suitable XLPE underlay (Base rate 200/sqft)	20.99	SQM		-
14	11.01	ELECTRICALS : Primary Lighting circuit 1.5sqmm as per scheme with Legrand Switches	6.00	NOS		-
15	11.02	ELECTRICALS : Secondary Lighting circuit 1.5sqmm as per scheme	6.00	NOS		-
16	11.03	ELECTRICALS : UPS/RAW Power circuit 2.5sqmm as per scheme with 5/15A Socket+Switch Legrand	9.00	NOS		-
17	11.04	ELECTRICALS : 32A Raw power circuit 4sqmm for AC as per scheme with Suitable MCB	1.00	NOS		-
18	11.05	ELECTRICALS : Data circuit cat 6A as per scheme	4.00	NOS		-
19	11.06	ELECTRICALS :9W LED Light Fixtures as per basic rate and client approval	12.00	NOS		-
20	12.01	HVAC : SITC 1 Ton Split AC Unit with Sound Power Levels (lower or equivalent) of Indoor Unit(Low/Mid/High/SHI) in dB(A) - 22/31/38/45	1.00	NOS		-
DUBBING BOOTH : Total Amount (Rs)						0.00