

**PRASAR BHARATHI
BROADCASTING CORPORATION OF INDIA
OFFICE OF INSTALLATION OFFICER
ALL INDIA RADIO, RAJBHAVAN ROAD
BANGALORE 560204**

No. AIR Bang/Install/RStudio/1/2010-11

Dated 16.1.2012

DESCRIPTION: Name of the Work: **Supply and Fixing of False Ceiling, Wall paneling and Wainscot paneling at AIR Studios, Bangalore - Reg**

Sealed tenders are hereby invited for and on behalf of the President of India from reputed firms for the following:

Supply and Fixing of False Ceiling, Wall paneling and Wainscot paneling at AIR Studios, Bangalore

Sl.No	Description of stores	Qty	Specification Reference
A. False Ceiling:-			
1	Fabrication and supply of metallic supporting grid channels and perforated gypsum tiles (size 595 mm x 595 mm) as per stated specification and AIR drawing.	54 Sq.M	Annexure B- I
2	Frame works for CFL Fittings (2' x 1')	13 Nos	
3	Framework for Flap door (2' x 2')	4 Nos	
4	Frame works for supply air diffuser	6Nos	
5	Frame works for return air grill	4 Nos	
6	Charges for applying of primer ,putty and two coats of emulsion paint (ISI material) including materials	54 Sq.mtr.	
7	Charges for fixing of cornice including material	61 RMT	
B. Wall Treatment:- Upper Paneling			
1	Supply of perforated gypsum tiles of size 595 mm x 595mm Fabrication and supply of metallic supporting grid channels as per enclosed specifications and AIR drawing.	114 Sq.M	Annexure B- II
2	Charges for positioning and fixing metallic frame work	114 Sq.M	
3	Charges for applying of one coat of primer ,putty and two coats of emulsion (ISI material) paint including materials on the tiles and the cornice.	114 Sq.M	
C. Wainscot paneling:			
1.	Supply and fabrication of metallic frame work	58 Sq.m.	Annexure B- III
2.	Charges for positioning and fixing of the metallic frame work on the studio walls as per opened out detail drawing of each studio and also Charges for fixing the commercial ply, one sided teak and teakwood batten available with I.O.	58 Sq.m .	
3	Charges for fixing wainscot plank	62 Rmt.	

Specifications: Annexure B Note: Payment may be made as per actual only.
Bill of Materials: Annexure C. Drawings : Annexure D

1) Consignee: Installation Officer, AIR, Bangalore.

2) PAYING AUTHORITY: The Additional Director General(E) (SZ), AIR & DD, Swamy Sivananda Salai, Chennai-600005

3)EMD: Earnest Money amounting to **Rs.10,000/-** [Rupees Ten Thousand Only] in the form of Demand Draft on Nationalized Bank / Commercial Bank drawn in favor of **Additional Director General (E) (SZ), AIR & DD, Chennai-5** should accompany the tender. EMD by means of Bank guarantee or any other mode of payment other than DD shall not be accepted. Tenders without EMD shall be summarily rejected and their bid will not be opened at the time of tender opening (No exemption for payment of EMD is accepted by this office)

4)SECURITY DEPOSIT: The successful Tenderer shall furnish the Security Deposit within 2 weeks after placement of order at the rate of **10% of the Order Value**. The security deposit shall be furnished in the form of Demand Draft / Bank Guarantee drawn in favor of the **Additional Director General (E) (SZ), AIR&DD, Chennai-5**. The Security Deposit will be returned in full on completion of successful Guarantee/Warranty Period.

5). VALIDITY: The tender should be valid for a minimum period of **120 days** from the date of opening.

6). DATE OF OPENING: The quotation should be sent in a sealed cover addressed to the **Installation Officer, All India Radio, RajBhavan Road, Bangalore 560204**, so as to reach on or before **1230 hrs on 31.1.2012**. Enquiry letter No., date of opening and name of material should be superscripted on the envelope. The quotations will be opened in this office at **1500 hrs on. 31.1.2012**.

7). PRICES: The prices quoted should be firm and for free delivery at AIR, RajBhavan Road, Bangalore inclusive of Transit Insurance, Excise Duty and Entry Tax if any. Tenderer should quote on figures as well as on words the amounts tendered by them.

8). SALES TAX: The prevailing rate of ST/CST/VAT should be clearly mentioned in the tender separately. The following certificates are required to be submitted by the supplier along with the bills: "Certified that the goods on which the sales Tax has been charged have not been exempted under Central Sales Tax Act of the rules made there under". The amount charged on account of Sales Tax on these goods is not more than what is payable under provision of the relevant act or the rules made there under.

"Certified that we are registered as dealers on the State under registration No.____ for the purpose of Sales Tax". Any statutory variation in ST/CST/VAT taking place after acceptance of tender within the delivery date will be adjusted by the purchaser.

9). EXCISE DUTY: The prices should contain an element of Excise Duty, which should be indicated separately. Any statutory variation in Excise Duty taking place after acceptance of tender within the delivery date will be adjusted by the purchaser on production of documentary proof.

10). SERVICE TAX: If service tax / work contract tax is leviable by the concerned Central Government on work contracts, the same shall be clearly mentioned in the tender.

"A copy of the challan endorsed by the Bank detailing the Service Tax remitted in r/o work carried out for this office should be submitted after remittance of the Service Tax, within the subsequent quarterly returns. The firms should highlight each of the Service Tax amount collected & remitted individually".

11) DELIVERY PERIOD: Tenderers may note that the entire Supply, installation, commissioning and handing over shall be completed within 90 days from the date of the order.

12). GUARANTEE/WARRANTY: The Tenderer shall guarantee the complete Supply and work job for a period of 12 months from the date of handing over after successful completion of the works

13). EXPERIENCE: The tenderer should give documentary proof of the following for having successfully carried out similar type of work.

- a. Documentary proof for the previous experience may be furnished.
- b. The successful tenderer should furnish a certificate that the bills will be furnished along with IT clearance certificate for the preceding two years.
- c. The tenderers should enclose the user list clearly mentioning the name of the users/installations. The tenderers without the user list shall be rejected out rightly.

14). SPECIFICATIONS: See Annexure B.

15). ACCEPTANCE / REJECTION OF TENDER: The Addl.DG (E) (SZ), AIR&DD, Chennai reserves to himself the right to accept the lowest tender or reject one or all of the tenders received without assigning any reason.

16). COMPLIANCE: A point by point compliance statement, in respect of all the points, sub-points in the specification is to be enclosed along with the offer.

17). GENERAL: The above tender notice has been uploaded in the Web Site <http://www.allindiaradio.org/tender.html>. Canvassing in connection with tender is strictly prohibited and the tenders submitted by tenderers who resort to canvassing will be rejected.

Enc l: 1. General Terms and Conditions (Annexure-A)
2. Specifications (Annexure B)

(Sanjeev K.P)
Deputy Director (Engg.)
For Add. Director General (Engg.)(SZ),

GENERAL TERMS AND CONDITIONS FOR WORK ORDER

1) NAME OF PURCHASER: The President of India

2) PAYING AUTHORITY: The **Additional Director General (E) (SZ)**,AIR & DD, Swamy Sivananda Salai, Chennai-600005.

3) PAYMENT TERMS:

100% payment will be made after satisfactory completion of installation, commissioning and handing over.

4) BILLS: All the supplies and works shall be in conformity with the order and all the part bills shall be prepared in quadruplicate in the same format as that of the Work Order. All those part bills shall be submitted to the consignee for necessary certificates and onward transmission to the paying authority.

5) SECURITY DEPOSIT:

Contractor shall furnish the Security Deposit within 2 weeks after placement of order at the rate of **10% of the contract value** at the time of signing the contract. The security deposit shall be furnished in the form of Demand Draft / Bank Guarantee drawn in favor of the **Additional Director General (E) (SZ)**, AIR&DD, Chennai-5. The Security Deposit will be returned in full on completion of successful guarantee/warranty Period.

6) DESPATCH INSTRUCTIONS:

The packing and marking of goods shall be as laid down in clause-12 of general conditions of contract DGS & D69 (revised).

7) The contractor shall arrange to dispatch the goods duly insured direct to the consignee under prior intimation for delivery at site by whichever mode of transport he may choose, to ensure safe delivery of goods at site. Unloading shall be done at site at the contractor's expense. The consignee will provide only storage space. The contractor will provide his own security like locking etc., and store the materials at his own risk.

8) INSPECTION:

The material will be inspected at site. If any damages are found, material will be rejected.

9) INSURANCE:

The contractor shall arrange for the insurance covering the risk during transit, storage and Installation till commissioning. All the charges for such insurance shall be borne by the contractor.

10) ADDITIONAL QUANTITIES:

The purchaser reserves the right to place order for additional quantity up to 100% of the ordered quantity at the same rates and terms and condition during the currency of the contract.

11) PENALTY FOR DELAY

If the contractor is unable to complete the supply, installation, testing and commissioning within the stipulated time limit the purchaser may at his option allow such additional time as may be considered justified with/without penalty and without altering terms and conditions of the order. In the event of failure of the contractor to complete the supply,

installation testing and commissioning within the stipulated time or the extended time, the purchaser has the right to impose penalty of Rs.350/- per week or part thereof for every Rs.1,00,000/- of the contract price. The Contractor's liability for delay, however, shall not exceed 5% of the total contract price.

12) GUARANTEE/ WARRANTY:

The contractor shall accept clause-18 of the Form no. DGS & D-71 with exception that his obligation shall be limited for a period of 12 months from the date of taking over completion of the successful performance excluding down time during which the equipment was not working satisfactorily due to defective parts, faulty material/design/workmanship or faulty erection. During the guarantee period the contractor shall repair or replace free of charge any parts that will become defective due to faulty material design, workmanship or erection.

13) CONDITIONS OF CONTRACT:

a. DGS & D-68 (Revised) and DGS & D-71 as amended up to date. However, such of these conditions stipulated on this tender shall supercede corresponding conditions in DGS & D-71.

b. The contractor shall sign a contract agreement form in triplicate in the prescribed proforma and submit the same along with Security Deposit within 15 days. The complete form with the purchaser's signature shall be sent back to the contractor. No supplies will be made and no work shall start unless the agreement is signed by the contractor and the purchaser.

14) ENFORCEMENT OF LABOUR LAWS:

While engaging labour for carrying out obligations under the contract the contractor shall satisfy the conditions laid down under contract labour (Regulation and Audition) Act 1970 and (Central) Rules 1971 as amended from time to time and observe all formalities required as per the said Act/Rules. The supplier shall also observe the provision under minimum wages act 1948(Central) Rules 1950 amended from time to time while engaging labour.

15) ARBITRATION OF CONTRACTUAL DISPUTES:

If a dispute arises out of or in connection with the contract, or in respect of any defined legal relationship associated therewith or derived there from, the parties agree to submit that dispute to arbitration under ICADR Arbitration Rules, 1996. The Authority to appoint the arbitrator(s) shall be the International Centre for Alternative dispute resolution. The International Center for Alternative Dispute Resolution will provide administrative services in accordance with the ICADR Arbitration Rules, 1996.

a) The number of arbitrator(s) shall be one who has legal as well as technical background.

b) The language of the arbitration proceedings shall be English.

c) The place of arbitration proceedings shall be Chennai.

16) FORCE MAJEURE:

a. If any time during the continuance of the contract the performance in whole or in part by the contractor shall be prevented or delayed by reason of any war, hostility acts of the public enemy. Civil commotion, sabotage, fires, floods, explosions, epidemics, Quarantine restrictions, strikes, lock-outs or acts of God (therein after restrictions refer to as events and provided notice of happenings of any such eventuality is given by the contractor within 21 days from the date of occurrence thereof, the purchaser shall by reason of such event, neither be entitled to cancel this order nor shall have any claim for damages against

the contractor in respect of such non-performance or delay in performance and delivery shall be resumed as soon as practicable after such events have come to an end or ceased to exist.

b. Provided further that if the performance in whole or part or any obligation under this order is prevented or delayed by reasons of any such event for a period exceeding 180 days, the purchaser and the contractor shall meet to find a neutral agreement to any effect resulting the reform or the purchaser may at his option cancel order provided also if the order is cancelled under this clause, the purchaser shall be at liberty to take over from the contractor at order prices all unused, un-damaged and acceptable material bought out components and stores in course of manufacture in the possession of the supplier at the time of such cancellation or such portion thereof as the purchaser may deem fit accepting such material, bought out components and stores as the supplier may with the concurrence of the purchaser elect to retain.

17) CANCELLATION:

a. The purchaser reserves the right to cancel the order in the event of non-performance/ delay in execution of the work or unsatisfactory performance by the contractor and recover payment already made if any, along with losses/ damages incurred.

(Sanjeev K.P)
Deputy Director (Engg.)
For Add. Director General (Engg.)(SZ),

ANNEXURE B

SPECIFICATIONS FOR SUPPLY, FABRICATION AND ERECTION OF METALLIC SUPPORTING CHANNELS AND FIXING OF FALSE CEILING AND UPPER WALL PANELLING WITH ACOUSTIC TILES AND WAINSCOT PANELLING WITH OST AS PER ENCLOSED DRAWINGS

I FALSE CEILING:-

1. The false ceiling should consist of GI perimeter section, GI Main and Cross runner section and support studs.
 - GI Perimeter "U" section should be of size 30 x 52 x 30mm – 0.60mm thick.
 - GI "U" type folded section should be of size 50x50x50mm – 0.6mm, with a web flange of 12mm on either side for main runner and cross runner.
 - Support stud runner should be made of GI section of size, 25x50x25mm-0.6mm thick with a web flange of 12mm on either side.
2. GI perimeter section of size 30x52x30mm-0.6mm thick has to be fixed on periphery of the wall with screws and Nylon sleeves.
3. Grid is formed using GI section of size 50x50x50mm-0.6mm thick with a web flange of 12mm on either side are placed horizontally or transversally at a distance of 595mm (center to center) as main runner.
4. Cross Runners are formed with GI section of size are fixed to the main runner 50x50x50mm -0.6mm thick with a web flange of 12mm on either side, are fixed with the main runner using self drilling metal screws of size 25 x 6 mm.
5. Cross runners are fixed at a distance of 595 mm from each other (centre to centre). Thus a grid of 595 x 595 is formed.
6. The main runners are connected to a support stud runner made of GI section of size, 25x50x25mm-0.6mm thick with a web flange of 12mm on either side.
7. The support stud runners are provided at regular interval, not exceeding 1250mm and are connected with 6mm thick threaded stay rods of length 8ft (approx.) with U clamps drawn from the RCC roof through 6mm self expansion fasteners and the grid has to be leveled.
8. Provision has to made in the grid for fixing CFL light fittings (2' x 1' 6 Nos.) and Inspection Door (1 No.) of max size 595x595mm.
9. 6mm thick threaded stay rods with U clamps and 6mm self expansion fasteners have to be fixed in the roof.
10. Nylon plugs and screws of size 35 x 8 mm should be used for fixing the frame to the wall.
11. 12.5mm thick fully perforated Gypsum tiles of size 595 x595 mm have to fixed on the bottom of the ceiling grid, uniformly.
12. 12mm thick Insulation board has to be cut to size and placed inside the 595 x 595mm grid of false ceiling above the gypsum tiles.
13. The joints between the tiles have to be finished smoothly by applying paper tape and gypsum compound.
14. One coat of primer and two coats of white emulsion paint (ISI) have to be applied on the tiles.

II UPPER WALL PANELING:

1. Work to be done as per opened out detail drawing enclosed for each of the studio.
2. Fabrication of frame work has to be carried out with GI "U" Sections placed vertically & horizontally with a grid of 595mm x 595mm (center to center).
 - GI "U" type folded section should be of size 50 x 50 x 0.6mm with a web flange of 15mm on either side as required for the construction of Acoustic wall panel

- Hooks and nylon thread should be used to fix the glass wool bags into the frame.
 - Anti-Termite Oil of PCI & brushes.
3. Frames have to be fastened with self-drilling screws of proper length and size and self expansion fasteners wherever necessary. Self Drilling metal screws of size 50 x 10 mm, Nylon plugs, expansion fasteners and screws of size 50 x 10 mm should be used for fixing the frame to the wall.
 4. Fix the 3mm commercial plywood to frame work's backside after treating the 3mm commercial plywood with Anti-Termite oil (both sides)
 5. Fix the commercial ply and the frame work to the wall and align the frame work to a true level inside each studio.
 6. Cut and fix Insulation Board of proper size inside the grids of frame work for B12 Treatment, wherever necessary.
 7. Hooks and nylon thread should be used to fix the glass wool bags into the frame
 8. ¾" Chrome Plated Cup-Hooks have to be fixed inside the grid so as to fasten the Glass wool bags with nylon thread.
 9. Put the Glass wool slabs in Koracloth dipped with copper Napthanate and stich it and fix it inside the Grids of frame work, wherever necessary.
 10. Fix fully perforated gypsum tiles on the frame work after smoothing the joints with compound and paper tape.
 11. Fix Teak wood plank (4" x ½" inches) between the low and upped panels, with self drilling screws.
 12. Fix cove beading around the wall panels and wainscot and room corners.
 13. 75 x 75mm wide Gypsum Cornish has to be provided along the periphery of the false ceiling meeting the wall panels.

III WAINSCOT PANELING:

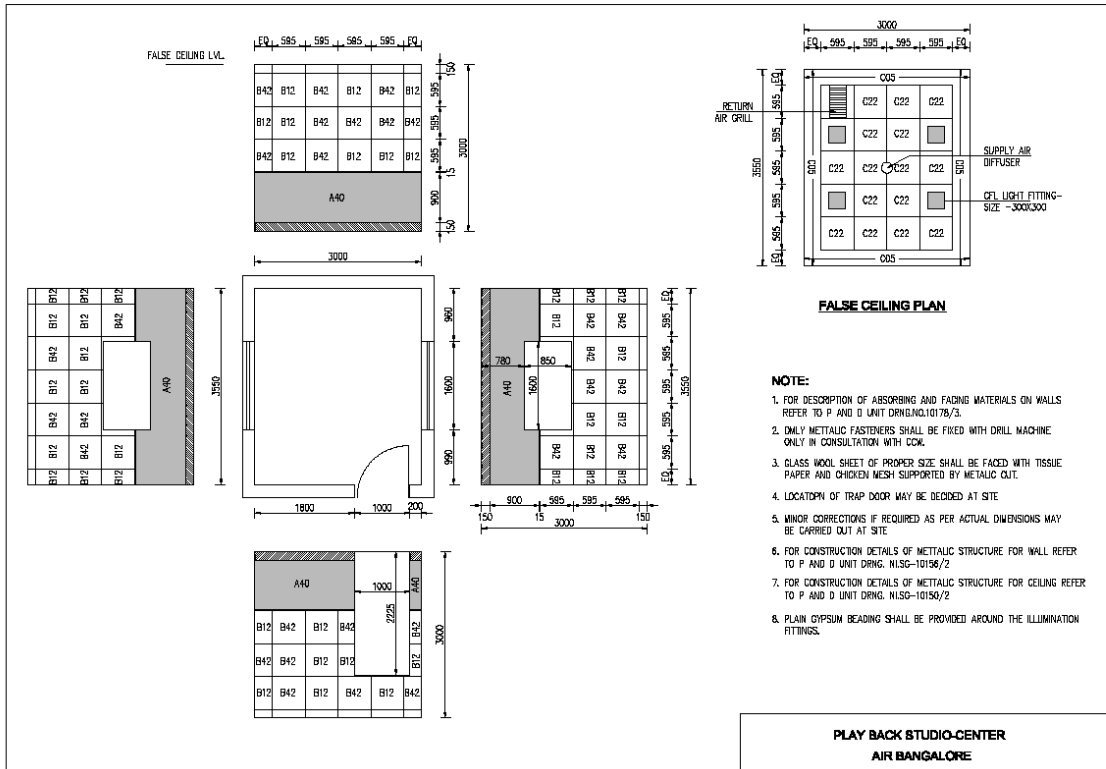
1. Work to be done as per opened out details shown in enclosed drawing for each of the studio.
2. Fabrication of frame work with GI "U" Sections, placed vertically for a height of 1" all around wall from floor level. This GI "U" type folded Section should be of size 50 x 50 x 0.6mm thick with a web flange of 15mm on either side
3. The vertical frame sections should be placed 600mm apart from each other (center to center).
4. Horizontal frame sections have to be at a height of 1050mm & 140mm approximately from floor level.
5. Frames have to be fastened with self-drilling metal screws of size 38 x 6 mm and Nylon plugs of proper length and size.
6. Fix the frame work to 3mm commercial plywood after treating the commercial plywood with Anti-Termite oil (both sides)
7. Hooks have to fixed inside the grid so as to fasten the glass wool bags with nylon thread.
8. Teak wood battens of size 50x25mm have to be fixed on all the metal sections, thus the overall thickness of the LFA panel is 75mm.
9. Fixing the commercial ply and the frame work to the wall and aligning the frame work to the wall to a true level inside each studio.
10. 3mm thick OST ply has to be fixed on the wooden battens using headless nails.

BILL OF MATERIALS

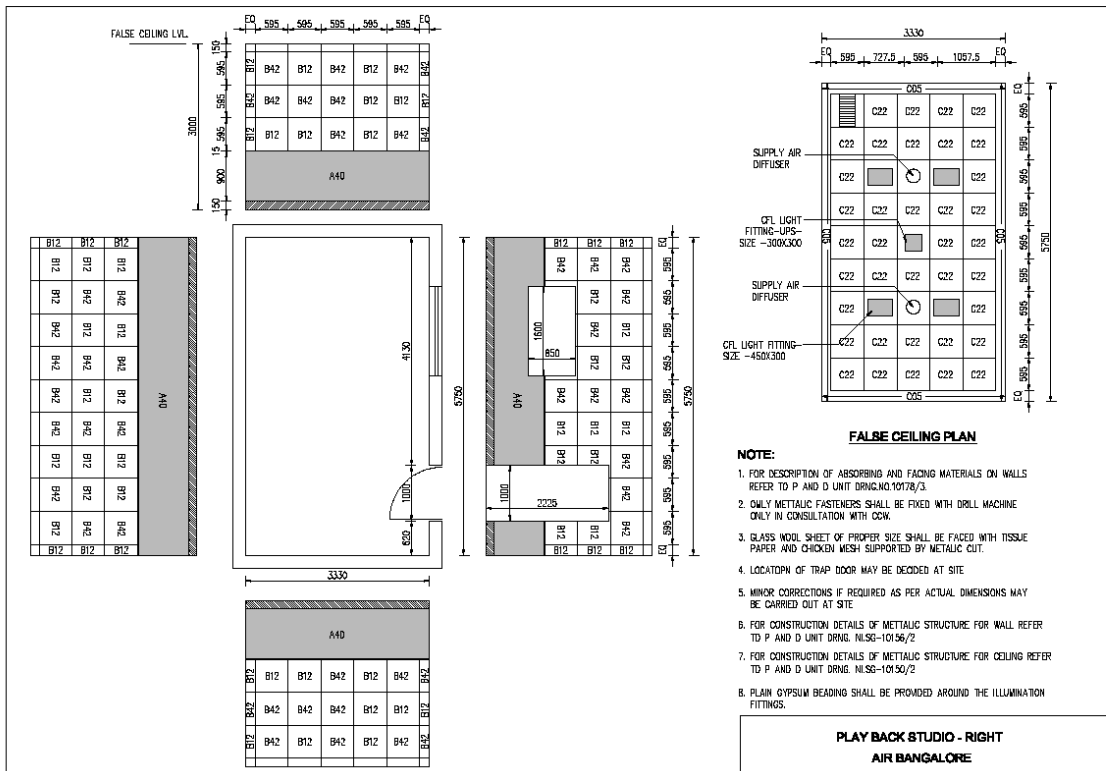
	Items supplied by the department	Items supplied by the tenderer
False Ceiling	-----	<ol style="list-style-type: none"> 1. GI Perimeter "U" sections of size 30 x52x30mm-0.60mm thick. 2. GI "U" type folded section of size 50x50x50mm-0.6mm, with a web flange of 12mm on either side for main runner and cross runner. 3. Detail drawing of each studio and as per AIR Drawing SG 10150/2. 4. Support stud runner made of GI section of size, 25x50x25mm-0.6mm thick with a web flange of 12mm on either side. 5. 6mm thick threaded stay rods with U clamps and 6mm self expansion fasteners to the fixed in the roof. 6. Self Drilling metal screws of proper length and size. 7. Nylon Plugs and screws of proper size & length for fixing the frame to the wall. 8. Primer paint, Emulsion Paint and brush etc. 9. Gypsum Board(Perforated & Plain) 10. Gypsum Compound 11. Paper Tape 12. Insulation Board 12 mm
Upper Wall Panel	3mm Commercial Ply	<ol style="list-style-type: none"> 1. The Upper Panel GI "U" type folded section of size 50x50x0.6mm with a web flange of 15mm on either side as required for the construction of Acoustic Wall panel as per the standard, opened out detail drawing of each studio and as per AIR, Drawing SG 10156/3. 2. Self Drilling metal screws of proper length and size. 3. Nylon plugs and screws of proper size & length for fixing the frame to the wall. 4. Hooks and nylon thread to fix the glass wool bags into the frame. 5. Anti Termite Oil of PCI & brushes. 6. Primer, Wall primer, Paint, Emulsion Paint, brushes, putty etc. 7. Cornice 8. Gypsum Boards (Plain & Perforated) 9. Gypsum Compound 10. Paper tape 11. Insulation Board 12. Glass Wool 13. Kora Cloth 14. Copper Napthanate 15. Kerosene 16. Stitching needle & thread

<p>Wainscot Panel</p>	<ol style="list-style-type: none"> 1. 3mm Commercial Ply 2. Wooden battens (50x25mm) 3. OST Ply 4. Wainscot plank 5. Cove Beading 	<ol style="list-style-type: none"> 1. The lower panel GI “U” type folded section of size 50x50x0.6mm thick with web flange of 15mm on either side as required for the construction of Acoustic wall panel as per the standard, opened out detail drawing of each studio and as per AIR Drawing SG10156/3. 2. Self Drilling metal screws of proper length and size. 3. Nylon plugs and screws for fixing the frame to the wall. 4. Hooks and nylon thread to fix the Glass wool bags into the frame. 5. Primer, paint, brushes, putty and Anti-Termite Oil of PCI etc.
------------------------------	--	--

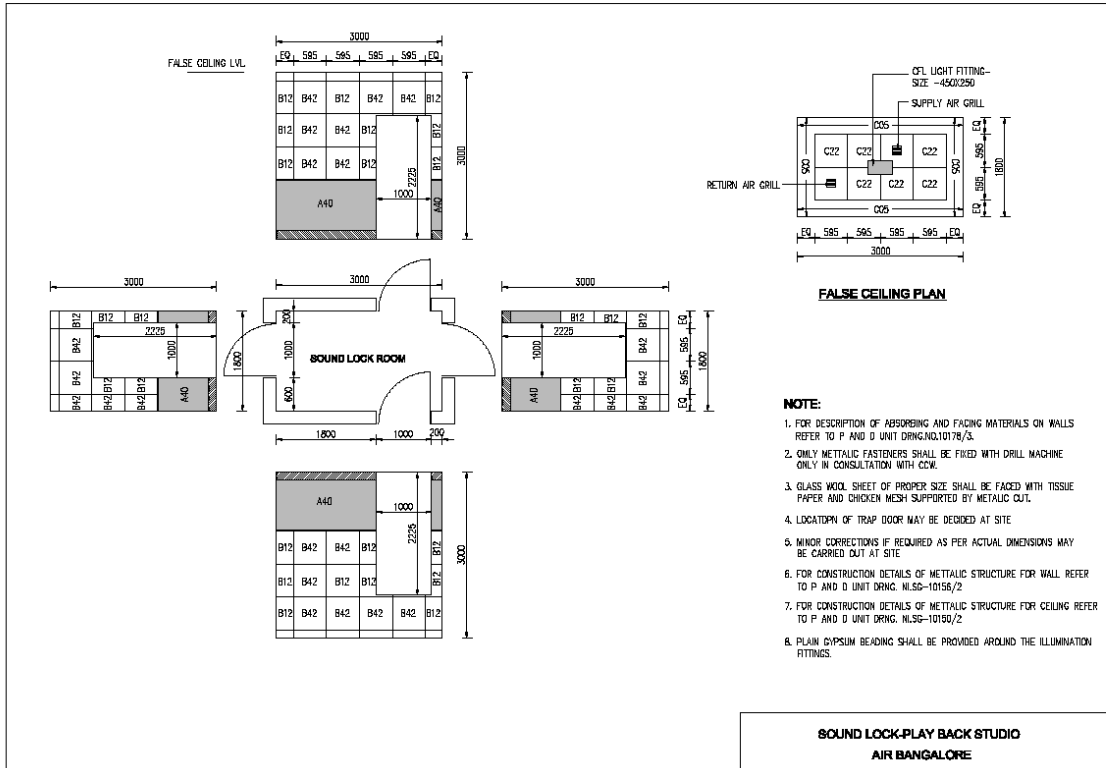
DRAWINGS
PLAYBACK STUDIO - CENTRE



PLAYBACK STUDIO - RIGHT



SOUND LOCK- PLAYBACK STUDIO



**SOUND LOCK-PLAY BACK STUDIO
AIR BANGALORE**