

## Facilities :

### Laboratory Support

- ◆ Sound Absorption Coefficient (SAC)
- ◆ Noise reduction Coefficient (NRC)
- ◆ Sound Transmission Loss (STL)
- ◆ Sound Transmission Class
- ◆ Reverberation Time (RT),

### On Site Support

- ◆ Sound Level A or C Ratings
- ◆ Reverberation Time
- ◆ Ambient Noise Level
- ◆ Ambient Level Noise Class
- ◆ Sound isolation
- ◆ Field Sound Transmission Class
- ◆ Outdoor Indoor Transmission class
- ◆ Sound/Noise Isolation Class
- ◆ Sound Isolation between dwelling units
- ◆ Impact Sound Isolation



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**Research Department  
AIR & Doordarshan**



**Acoustic Test Facilities**

*Acoustics, Testing &  
Measurements*

## Acoustic Test Facilities

Research Department has more than 50 years of experience in acoustical research pertaining to design, testing & measurements of studios, acoustical materials, microphone, loud speakers etc. and actively involved in devising innovative methods to improve the acoustical design of studios using acoustic media of excellent performance. In addition, technical support and test facilities are also available commercially for:

- ◆ Test and evaluation of acoustic materials like panels, tiles, draperies made of wood, Zipsum, POP etc., Ceiling products, flooring material, mineral wool, foam, woven and non-woven fabrics, carpets, boards, office partitions, spray based absorbers & sound barriers
- ◆ Technical support and consultancy in the field of designing and construction of studios, conference halls, auditoria, class rooms etc.
- ◆ Extending help to manufacturers and suppliers of acoustic material
- ◆ Testing of electro acoustic transducers like microphones loud speakers etc. for their product development.
- ◆ Recently benefitted clients are M/s Armstrpng World Industries (India)

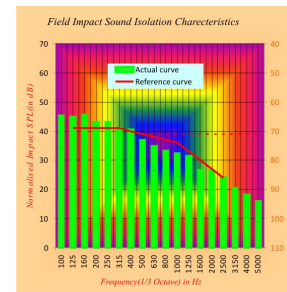
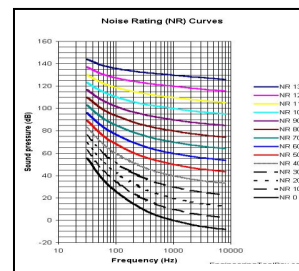
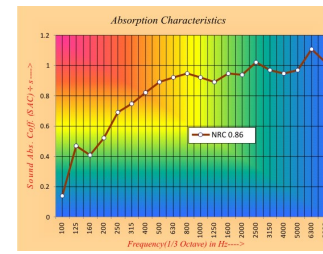
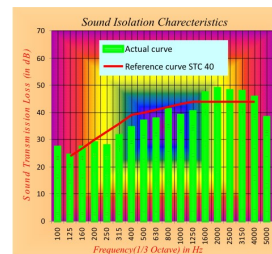
Pvt. Ltd., M/s Earcons Acoustic Building system, M/s Bharat Steel Rools, M/s Aerostone Building Product Pvt. Ltd., Saint Goblin India Pvt. Ltd., Ecotome System Pvt. Ltd., M/s Jindal Bricks., M/s Remco Industries Ltd., M/s Fiberetex (I) Ltd., M/S ALP Aroflex, M/s HIL Ltd.

### Acoustic Test and Procedures Standards

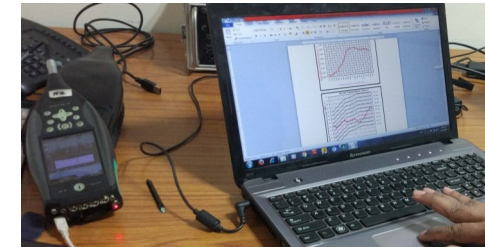
IS: 8225, ISO 354, ASTM 423/ ASTM 90/413, ISO 11654, IS 9901, ASTM E90, ASTM 413/989, ISO/DIS 140, ISO 717, ISO 1007, ASTM 492/989, ASTM 1332, ASTM 1414, IS 9302, ISO/DIS 268

### Turnkey Solution on commercial basis:

Acoustic lab of Research Deptt., All India Radio & Doordarshan provides turnkey solutions to the acoustic related problems through **AIR Resources**, on flexible commercial terms.



### Salient Features of Acoustic Lab:



- ◆ Well-equipped laboratory with Reverberation and anechoic chambers designed as per International Standards to provide excellent test environment
- ◆ Accurate and reliable measurement with high precision using state of art equipment
- ◆ All measurements strictly in accordance with established National and International standards
- ◆ Continuous study of emerging acoustic media
- ◆ A large chain of clients in corporate sector benefitted by availing test facilities
- ◆ Carried out acoustical measurements of prestigious National installations
- ◆ Continuously involved in creation of acoustic data useful for future design of cost effective studios of the network.