



ENVIROTECH SYSTEMS PVT. LTD.

(An ISO 9001:2008 Company)

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ISO 9001:2008 CERTIFIED ORGANISATION

CLIENT: - M/S Bhabha Atomic Research Centre

PROJECT: - Acoustic cabin for boiler house

Supply & installation of Acoustic cabin (acoustic Enclosure) Size: 4.2m x 3.0m x 2.4m (length, width, height) for boiler house in PP complex, FRD, BARC Trombay, Mumbai. The entire work was completed within time, scheduled by the client.

Technical Specification

Item	Specification
Enclosure Size	4.2m x 3.0m x 2.4m (length, width, height) Acoustic enclosure was designed and manufactured for three sides. One side of length 4.2 m was existing wall and on other three sides, the cabin was fixed with proper sealing giving acoustic & vibration insulation
Structural & Insulated material	Structure of Enclosure was made up of 1.6 mm CRCA sheet with filling insulated material, sound dampening material.
Glass window	02 Nos. sound proof glass window Size: 300 x 300 mm was provided
Acoustic Door	Single leaf acoustic door Size: 1000 x 2130 mm was provided and fitted with rubber gasket to maintain sound proofing during closed condition

Base	Enclosure was having insulated base and mounted on anti-vibrating material
Accessories	Proper & suitable accessories were installed to give the enclosure an aesthetic look. Fresh air supply provision was made by installing exhaust fan using Louvers. Design of louvers was such that it would not propagate the sound/ noise.

Achievement: - After Successful installation of acoustic cabin noise level was:

Ambient noise level	95.4 dB(A)
Noise level Inside the enclosure	63 dB(A)