



ENVIROTECH SYSTEMS PVT. LTD.

(An ISO 9001:2008 Company)

B-1A/19, First Floor, Commercial Complex, Sector-51, Noida (U.P.) – 201307, India

Ph.-0120-4337633, 4224644, 4224633 / Mob – 98103-19823 / Fax-0120-4337439

Email: info@esplonline.com, sales@esplonline.com

www.acousticalworld.com



ISO 9001:2008 CERTIFIED ORGANISATION

CLIENT: - M/S TOPCEM India

PROJECT: - Design, Manufacture, Supply, Installation & commissioning
Of Acoustic Enclosures (04 Nos)

Envirotech Systems Pvt. Ltd. has received an order of design, manufacture, supply, installation & commissioning of **04 nos Acoustic Enclosure for 1.5 MW DG Sets** from TOPCEM India, for 2000 TDP Cement Grinding Unit, Guwahati . It was specified by the client all supplied acoustic enclosures should meet required CPCB norms. Strict time boundary was the essence of this order. In all events we would adhere to agreed delivery schedule of 04 weeks.

DESIGN & CONSTRUCTION: - The Acoustic Enclosure is modular, Cap on type (without base) & Noise shielding and having base frame made out of ISMC 100 x 50 mm to hold acoustic panels. All acoustic panels are 100 mm thick with a solid CRCA exterior shell & inner shell of GI perforated sheet to absorb the noise generated by noise source. The panel construction can be dismantled and re-erected.

DESIGN: - Acoustic Enclosure designed to fulfill site requirement i.e. easy open able from any side for maintenance purpose, proper air circulation in covered area, Vision panel & lighting inside the enclosure

SIZE: - 10500 x 4500 x 4000 mm (L x W x H)

FEATURES: - Acoustic Enclosure was provided with

- Hinge type door of required size, doors are fitted with Gasket to block noise leakage from gap.
- Spring loaded lock, open able from both sides
- All Hardware were Zinc passivated to avoid rusting & door hinges are SS
- Provided cutouts in acoustic panel for pipe / cable entry or any other requirement
- Two coat primer & automotive paint in desired shade
- 06 no. Single leaf Acoustic Doors for general access, Size: 900 x 2100 mm
- 02 no Double leaf Acoustic , size: 1800 x 2100 mm,
- 04 no. vision panel for viewing , size: 300 x 300 mm
- 02 no. 24 " axial flow fan for hot air exhaust & fresh air intake covered with acoustic hood

PERFORMANCE: - After Providing the Acoustic Enclosure, Insertion loss was measured 27 dB (A) at one meter from Enclosure surface.