



# 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](mailto:info@esplonline.com), [sales@esplonline.com](mailto:sales@esplonline.com)

[www.acousticalworld.com](http://www.acousticalworld.com)



ISO 9001:2008 CERTIFIED ORGANISATION

**CLIENT:** - M/S Nuclear Fuel Complex

**PROJECT:** - Design, Manufacture, Supply, Installation & commissioning  
Of Press Machine Acoustic Enclosure (02 No.)

Envirotech Systems Pvt. Ltd. has received order of design, manufacture, supply, installation & commissioning of **01 no. Combined Acoustic Enclosures for 40-Ton Mechanical Press and 100-Ton Mechanical Press and 01 no. Separate Acoustic Enclosure for 200-Ton Mechanical Press**, from Nuclear Fuel Complex, Hyderabad Location.

**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. The enclosure was designed with proper air circulation in the covered area with necessary air inlet & exhaust fans covered with acoustically treated hood to control noise.

**CONSTRUCTION:** - The Acoustic enclosure shall be of modular construction, Cap on type (without base) & Noise shielding construction. The panel construction shall be of dismantled type for any maintenance of presses. We provided necessary drawings of the Acoustic enclosures and obtain the approval of purchaser before fabrication.

**SIZE:** -

| Machine                               | Size (L x W x H)      | Qty.   |
|---------------------------------------|-----------------------|--------|
| for 200-Ton Mechanical Press          | 5000 x 5000 x 4700 mm | 01 No. |
| for 40-Ton & 100-Ton Mechanical Press | 6300 x 4400 x 3600 mm | 01 No. |

**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
- Electrical wiring, switch board & light to maintain 150 lux inside the enclosure
- All Hardwares 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

**PERFORMANCE:** - The noise level was 120 dB maximum. After putting the Acoustic Enclosure, the noise level measured 72 dB at one meter from Enclosure surface.