

Since **1997**



**Envirotech Systems Pvt.Ltd.**

An ISO 9001 : 2008 Certified Organisation

# Envirotech Systems Pvt Ltd

As a leading supplier of Industrial noise control Envirotech Systems Pvt. Ltd. Offers Acoustic Solutions for all kind of noise sources. With over 2000 acoustical projects in Oil & Gas, Manufacturing, Power Generation, Cement & Steel Plants, Automobile Sector, Construction and many more, ESPL continuously growing in Domestic & Overseas market.

**Envirotech Systems Pvt Ltd**

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## Company Profile

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Envirotech Systems Pvt. Ltd. is a premier acoustic engineering organization that specializes in noise measurement & control for, industrial and commercial applications. Experience and success has allowed Envirotech Systems to grow and expand our core capabilities to include full scale design and manufacture of innovative acoustical products and components. Founded in 1997, now transforming into a growing organization that readily responds to client needs. We have the experience, tools and innovative ideas to provide cost-effective solutions to all types of acoustical problems. Employing over 150 people, It also has a large network of technical sales engineers, agents and distributors, offering advice and assistance to customers .Today We manufacture and distribute a broad range of high performing products and structures required to solve the most common to the most unusual, complex and interesting noise control applications that occur in the industrial, commercial, architectural and environmental markets we serve.

As a leading brand in full service turn-key industrial noise control, we pride ourselves on delivering a complete solution. We research potential issues, undertake a cost benefit analysis and perform the necessary engineering services. Once all of the preliminary work is complete we then provide a firm price and fixed schedule proposal to ensure you get the most cost-effective noise abatement solution possible.

**Envirotech Systems Pvt Ltd**

## Location

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### **Corporate Office:**

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

Telephone (s): 0120-4337633, 4224644, 4224633, Fax: 0120-4337439

### **Works:**

#### **Unit- I**

Plot No-12, MahilaUdyami Park-II, Greater Noida- 201306 (U.P.)

#### **Unit-II**

Plot No.-346-347, Ecotech -I (Extension), Greater Noida, 201310 (U.P.)

### **Registered Office:**

A-29, Block 'A' ShyamVihar, Phase-1, New Delhi - 110043

## Our Products

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### MANUFACTURING OF NOISE CONTROL PRODUCTS:

- Acoustic Enclosures
- Room Acoustic
- Acoustic Louver
- Noise Barriers
- Acoustic Curtain
- Acoustic Baffles
- Noise Test Booth
- Anechoic Chamber
- Engine Test Bed Acoustic & Allied work
- Sound Proof Cabins
- Sound Proof Doors
- Acoustic Treatment
- Silencer
- Sliding Folding Partition
- Movable Wall

# Manufacturing Facility

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- We have manufacturing facilities for fabricating all types of steels such as carbon steel, stainless steel, alloy steel, utilizing various insulation material such as ceramic wool, rock wool etc,
- Welding and painting including work areas for fabrication of large structures and equipments.
- Our sustained production can be maintained by motivated work force.
- Our welders are qualified in various positions and different combination of material. We have qualified Technical personnel in various levels in NDT
- A detailed description of our facility is given below for ready reference.

## Quality Assurance

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We are committed to provide excellence services for all projects using latest technology to ensure customer satisfaction through continual improvement in quality management system.

With over 2000 successful acoustical projects in Oil & Gas, Manufacturing and processing, Power Generation , Cement & Steel Plant, Automobile Sector, Construction and in many more, ESPL continues to grow in domestic & overseas marketplaces.

In order to innovate new design and cost-effectiveness, we have a well-grown R&D facility empowered with computer-aided tools.

This department is manned by efficient personnel's, which ensures in the continual product development so as to offer complete satisfaction to our clients. Our research based activities ensure.

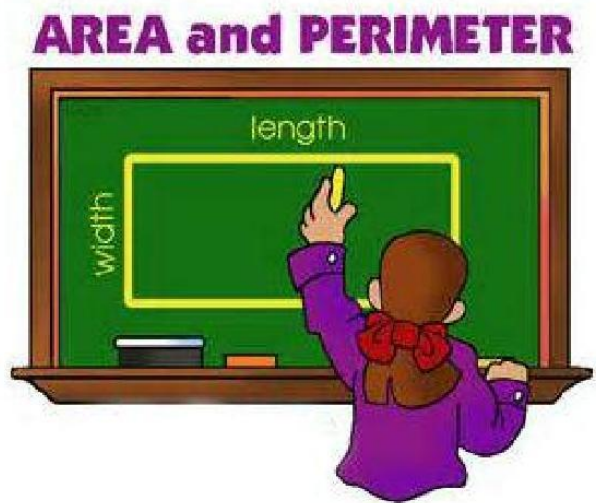
- Market Research
- Continual Product Development
- Improved product and production technologies

## Factory Area

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Approximate 55000  
Sq. ft. Area comprise  
our work space



Our Work Space - Envirotech Systems Pvt.Ltd

Envirotech Systems Pvt Ltd



## Infrastructure – Unit-I







## Infrastructure – Unit- II







## List of Machinery

S.NO	DESCRIPTION	QUANTITY(NOS)
01	CNC Hydraulic Press Brake EHP 100 X 3100	01Nos
02	CNC Hydraulic Shearing Machine GS- 3106	01Nos.
03	Mechanical Shearing Machine 2500 X 8mm	01Nos
04	Hydraulic Press Brake HACO Make	01Nos.
05	Air Compressors-Ingersoll Rand	06Nos
06	MIG Welding Machine	30Nos.
07	Argon Welding Machine	04Nos
08	EOT (7.5 Ton)	01Nos.
09	Professional Line Laser	02Nos.
10	Gas Cutting Sets	04Nos.
11	DG Set	04Nos.
12	Drilling Machine	40Nos.
13	Grinding Machine	40Nos.
14	POP Rivetting Machine	35Nos.
15	ARC Welding Machine	08Nos.
16	Poweder Coating Oven	01Nos.
17	Weighing Machine	02 Nos.
18	Profile Cutting Machine	01Nos.
19	Chop Saw	06Nos.
20	Jig Saw Machine	06Nos.

## Measuring and Testing Facility

S.NO	DESCRIPTION	QUANTITY
01	Vernier Calipers	10 sets
02	Micro Meter	07 sets
03	Sound Level Meter	08 nos
04	Fillet Gauges	06 nos
05	Measuring tape	30 nos
06	Dial Gauge	05 Nos
07	Anemometer	04 Nos
08	Vibration Meter	02 Nos
09	Light (LUX) Meter	02Nos.
10	Infrared Thermometer	02Nos.
11	Coating Thickness Gauge	02Nos.
12	Metal Hardness Tester	02Nos.
13	Magnetic Stand	02Nos.
14	Wood Moisture Meter	01Nos.



# Noise Control for Power Plant and Other Industries

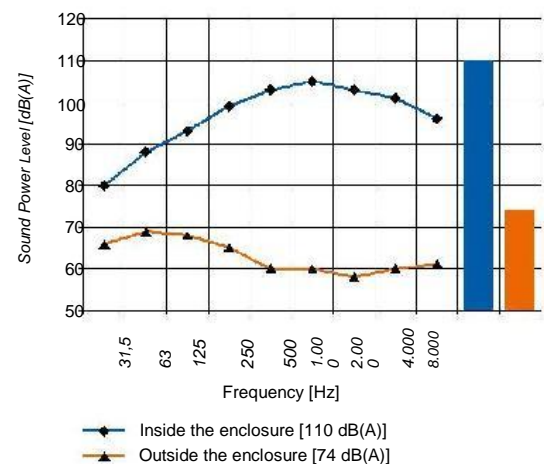


## ENVIROTECH SYSTEMS ACOUSTIC ENCLOSURES

As a leading supplier of industrial noise control Envirotech Systems Pvt. Ltd. offers enclosures for all kind of noise sources:

- Gas turbines
- Engines
- Steam turbines
- Compressors
- Pumps
- Fans
- Presses
- Other industrial applications

For the reduction of noise made by machines and mechanical units, we deliver acoustic enclosures, tailor-made for the particular situation, for both indoor and outdoor use. We place highest value on stable, long-life design, ease in dismantling, and high acoustic effectiveness. If desired, we deliver the enclosure including entire electrical installation, ventilation system as well as other accessories according to the clients' requirements.



Envirotech Acoustic Enclosures have proven themselves in use all over the world while improving working conditions and protecting the environment.

# Noise Control for Power Plant and Other Industries

## ACOUSTIC DESIGN AND CALCULATION

The acoustic design and calculation of enclosures are two of the most important tasks.

All structural calculations for steel, cladding, roofing and sub-structures are performed in-house. Guaranteeing in this way an effective, quick and direct solution for the tasks given.

## LONG-LIFE DESIGN FOR EASY ASSEMBLY AND DISMANTLING

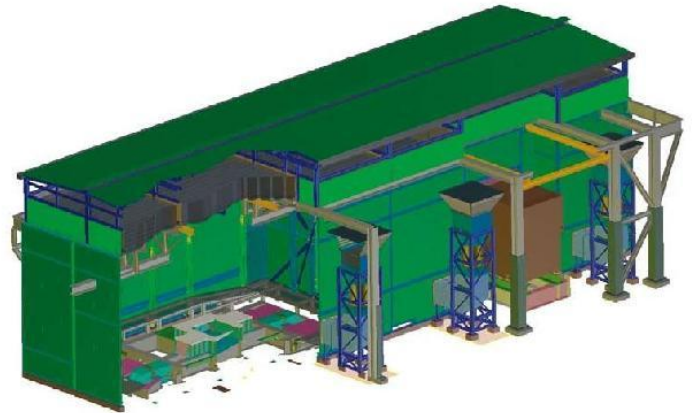
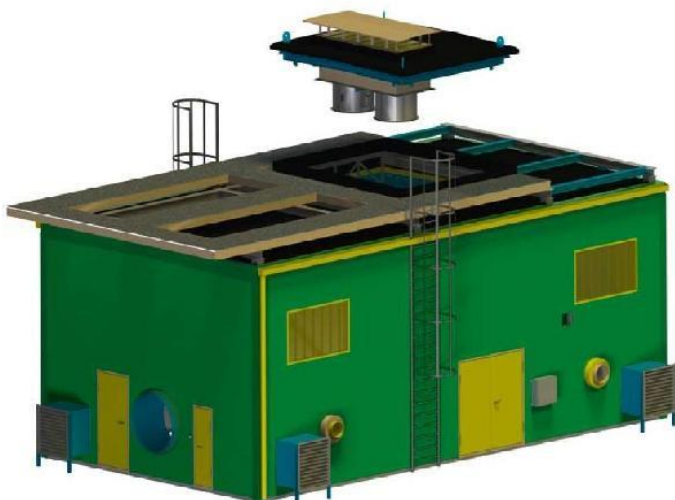
As a rule, Envirotech Systems Pvt. Ltd. uses a modular design for its enclosure projects. The particular wall, door, and window elements are mounted on a solid framework structure; every-thing is designed for easy assembling and reassembling.

## ECONOMICAL SOLUTIONS

The costs of high-quality noise protection can be reduced to a minimum, even in the case of individual applications. This is possible because Envirotech Systems Pvt. Ltd. makes acoustic enclosures as customized solutions, designed and assembled to solve a specific noise problem.

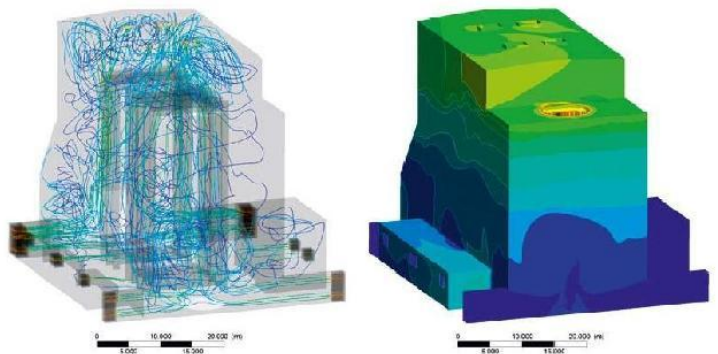
## PLANNING, 3-D DESIGN, DETAILED ENGINEERING AND PROJECT MANAGEMENT

Today, nearly all projects are represented in 3-D (CAD) models. The use of this kind of software enables a close check on such critical parts as battery limits, pipes and other penetrations allowing for a »tailor-made« detailed engineering.



## VENTILATION SYSTEMS

Envirotech Systems Pvt. Ltd. provides detailed analysis of ventilation, assisted by its own measurements and supported by the newest software (e.g. CFD analysis). Usually, two systems are applied: natural or forced ventilation. Both systems have been successfully used in past projects. Envirotech Systems Pvt. Ltd. calculates, supplies and installs these systems worldwide, including all secondary equipment like silencers, ducts, dampers and weather protection.



## WORLDWIDE SUPPLY

Specialized teams consisting of Envirotech own staff, or as combined teams with Envirotech Systems Pvt. Ltd. partner take care of the installation works.

**Envirotech Systems Pvt Ltd**



## Enclosures for DG Set

We offer a standard range of Acoustic Enclosures for DG Sets, Turbines, Air Compressor, Forging, CNC & other noise generating machines. Each enclosure is designed and manufactured to suit the individual requirements of the machine being closed in. It can have a simple panel design or be a heavy integrated housing. Additional features include lifting beams, lighting, fire and gas detection & protection systems.

We also offer the drop over design which has the advantage of low installation time, quick access to the noise generating machines for major maintenance, Acoustic Enclosures are dismantlable type. We can dismantle easily and re-erect alternative site.

All our enclosures are designed to allow the maximum aspiration and cooling airflow required to make sure machine does not overheat. Weather louvers, acoustic louvers, splitter and baffles are provided to suppress the noise where required. Acoustic Enclosures will be as varied as the customer's requirements. The enclosure outer walls generally consist of 1.6-2 mm thickness of CRCA steel sheeting outside, and inner surface is GI perforated sheet filled with tissue paper laminated rock wool pads.



Acoustic Enclosure For DG Set for P&G By Envirotech

Envirotech Systems Pvt Ltd

## Enclosures for Gas Turbine

Engineered to Perfection - field tested under all types of conditions and Noise Standards. Clean built-in silenced ductwork eliminates noise, dust and dirt. Optional cam life style door provides superior dust and noise seal. Doubles your space with enclosure load bearing ceiling design you get the added benefit of storage space on the ceiling. Pre-engineered for live loads the ceiling can be walked on and inventory can be kept close at hand.

Two story enclosures are also available. Rugged heavy gauge steel walls are many times stronger than traditional in-plant offices and are easily able to resist abuse from errant tools, forklifts, steel-toed shoes etc.



Acoustic Enclosure For Gas Turbine

Envirotech Systems Pvt Ltd

## Enclosures For Shot Blasting Machine

Acoustic Enclosure is truly modular. The several basic elements of the system- standard panels, window panels and door panels are removable and we can relocate them to other location.

The wall construction of 100mm(4") thick sound rated panels and accessories allow a degree of construction freedom not possible with conventional acoustic panel systems. With Acoustic Modular Panels the plant engineer, safety director, OEM manufacturer, architect or maintenance supervisor can obtain the exact sound controlling structure necessary for each specific situation.



**Envirotech Systems Pvt Ltd**  
**Acoustic Enclosure For Shot Machines**

## Enclosures For Blower House

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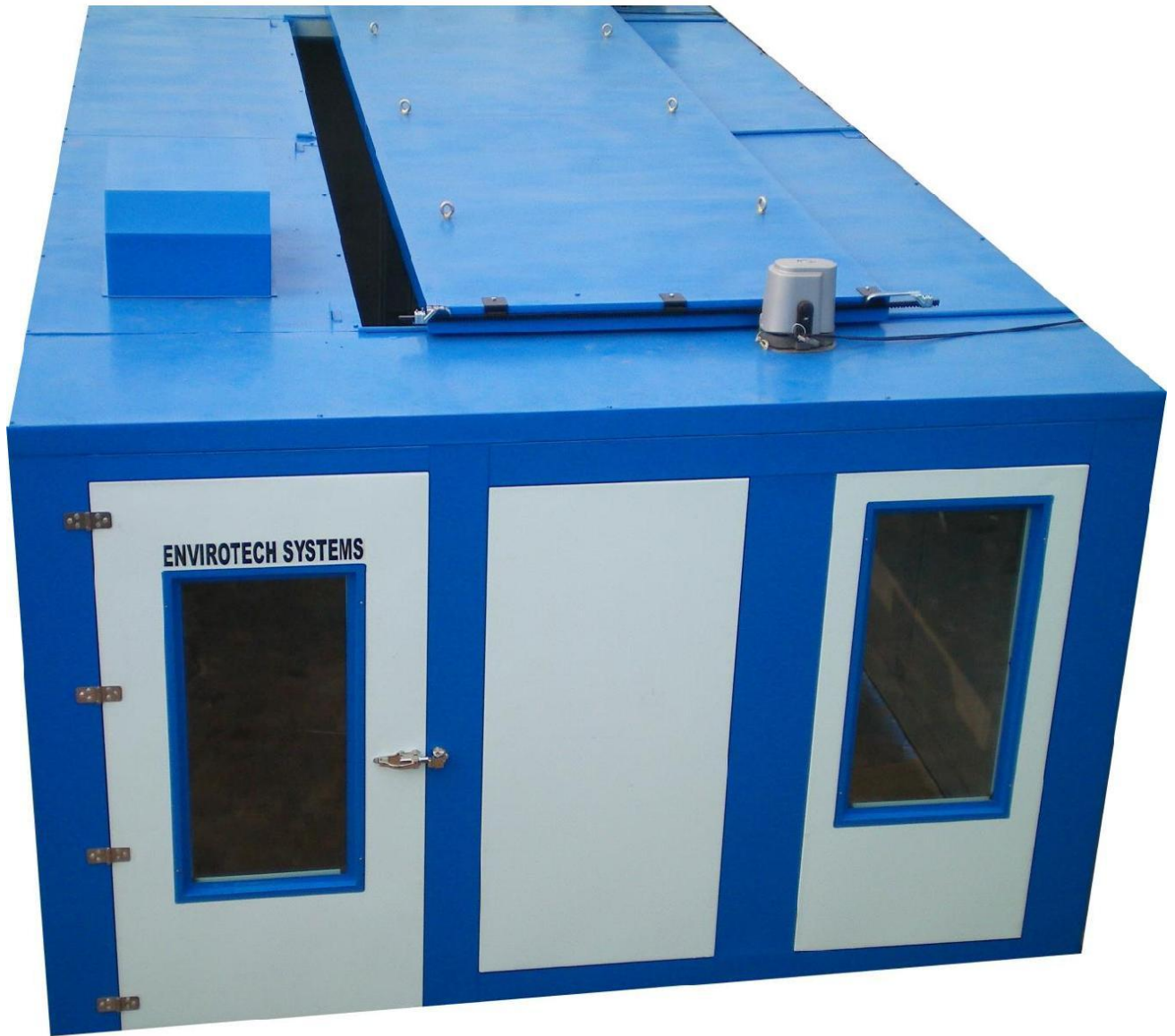
Envirotech Blower Enclosures are available in galvanized or painted steel or aluminium construction. They are built for strength, easy access and weather resistance. Since mass and rigidity are required for sound attenuation each UBP custom enclosure employs 14 gauge steel or 0.125inch aluminium with formed shape construction. The interior is lined with 2 inch sound absorbing media which is heat and soil resistant and dual bonded to the exterior.



**Acoustic Enclosure For Blower House**

**Envirotech Systems Pvt Ltd**

## Gallery



Acoustic Enclosure

Envirotech Systems Pvt Ltd





Acoustic Enclosure for Saint Gobain plant Biwadi, Rajasthan



Acoustic Enclosure for Oil India ByEnvirotech

# Acoustic Louvers

ESPL Acoustic Louver has a sound baffle designed to allow airflow through ventilation openings while reducing the radiation of noise. Typical application for our acoustic louvers used in conjunction with machine and enclosures, sound barrier walls and sound control rooms to allow silenced airflow. They use acoustic grade glass fiber as the principle sound-absorbing mechanism.

They are aerodynamically shaped to minimize pressure drop. Lips are designed in to the splitters to protect against weather elements. A machine sound enclosure such as compressor, genset, backup generator and well pump are all candidates for silenced ventilation using ESPL Acoustic Louver.

Our Acoustic screens and enclosures solve a wide range of environmental noise pollution problems emanating from mechanical plant and systems including:

Chillers 2) Motors 3) Compressors 4) Pumps 5) Roof top plant rooms

## We offer acoustic louvers with following features:

1) Flat Blades 2) For building intake/exhaust openings 3) For mechanical services plant 4) As free-standing barriers, screens and enclosures 5) Wide-choice of finishes/colors

## Energy Saving:

1) Aerodynamic Design 2) Low pressure-drop characteristics



Acoustic Louvers

Envirotech Systems Pvt Ltd

# Sound Measuring Data

Table 1: Sound Measuring Results Before Treatment

Location	Frequency (Hz.)								dBA	REMARK
	63	125	250	500	1000	2000	4000	8000		
File :0001.S3B	108.8	105.7	100.9	93.1	86.1	79.4	75.6	67.3	96	MACHINE
File :0002.S3B	110	108.1	104.3	97.8	89.5	83.4	79.5	72.2	99.6	MACHINE
File :0003.S3B	69.3	70.3	80.2	76.7	78.6	77.9	75.4	73.1	84.1	PUMP
File :0004.S3B	71.3	69.7	81.3	77.7	78.2	78.8	75.6	73.3	59.8	PUMP

Table 2: Sound Measuring Treatment After Treatment

LOCATION	FREQUENCY( HZ.)								dBA	REMARK
	63	125	250	500	1000	2000	4000	8000		
File :0001.S3B	71.5	64.8	63.3	58.1	57.9	55.5	52.1	46.8	63	UPPER MACHINE
File :0002.S3B	72.7	67	64.2	59.2	59.3	56.9	53.9	48.4	64.4	UPPER MACHINE
File :0003.S3B	68.5	61.6	59	56.6	56.8	54.3	53.3	49.9	61.9	UPPER MACHINE
File :0004.S3B	68	65.1	61.5	56.4	55	50.4	47	42.1	60	UNDER MACHINE
File :0005.S3B	68.9	69.4	63	59.3	57.7	52.9	49	44	62.6	UNDER MACHINE
File :0006.S3B	63.7	64.1	59.9	55.9	55.5	50.01	47.6	43.7	59.8	UNDER MACHINE



# Noise Barriers

Guaranteed, proven, sound reduction:

- Sound absorptive surfaces minimize reflected noise
- Rugged, abuse-resistant, long-lasting steel construction
- Weather resistant and almost maintenance free
- Wide choice of finishes to blend with individual landscapes

Suitable for an extensive range of applications including:

- Screening Mechanical Plant
- Roads & Railways
- Aircrafts Pens & Airport Boundaries
- Such as generators, Compressors and Chillers



Envirotech Noise Barrier work at RapidMetro,INDIA



Some of our Noise Barriers work at Rapid Metro and Shree Cement

Envirotech Systems Pvt Ltd



**Envirotech Noise Barrier work at RepidMetro,INDIA**



**Envirotech Noise Barrier work at Anand Group**

## **POLYCARBONATE NOISE BARRIER**

The construction consisted of MS/Galvanized steel beam as horizontal and vertical posts specially designed aluminium pressure pad with rubber gas kit use to grip polycarbonate sheet tightly.

The standard Polycarbonate Noise Barriers designed to achieve 22 STC to 36 STC rating and the same has been confirmed during laboratory test.

We offer a full design, delivery and installation service, which can also include all necessary structural steelwork. Barriers can be erected by our own, trained personnel. Alternatively, they can be installed by others (contractors, end users etc), preferably under the supervision of an ESPL engineer.

All Polycarbonate sheets are UV coated and having warranty upto 10 years.



**Polycarbonate Noise Barriers incorporated at Zuari Cement by Envirotech**



Polycarbonate Noise Barriers incorporated in Dubai at ENOC by Envirotech

## METALLIC NOISE BARRIER

Metallic noise barrier which comprise the great majority of noise barriers are generally located at the edge of the road to reflect traffic noise. Some noise is transmitted through the barrier, but is slightly less intense than the noise level on the other side of the barrier. The height of these barriers is usually greater than other types. Often traffic noise levels increase for vehicle occupant.



### Application:

- 1.Highways, Flyovers & Railway
- track 2.To cover Industrial Premises
- 3.Construction Sites
- 4.Stadium& Clubs
- 5.Residential Pre mises

Envirotech Systems Pvt Ltd

## Technical Specification:

**Metallic Part** - Laboratory measurement of airborne sound as per IS-9901 (Part III)- 1981, DIN 52210 part IV - 1984, ISO: 140 (Part III) - 1995

**Sound Profing**-Class -A4

**Sound Deadening** -Class- B2

**Type of Wall** - Double skin insulated wall

**Outside Sheet** -Plain aluminium alloy sheet, 1.2mm thick

**Inside Sheet** -(Traffic/ Source Side) skin- 1.2mm thick aluminium alloy Perforated sheet with 42% open area with 5mm hole

**Weight** -Approx 12.5kg/sq.m

**Acoustic Material** -Polyester Fiber, in two layers of 50mm thick density 60kg/m<sup>3</sup>

**Middle Sheet** -Plain aluminium alloy sheet, 1.2mm thick.

**Pain Joint** -Each panel having tong & groove to joint perfectly with each other.

**Gasket** -The panel and structure having gaskets at the joint to block noise leakage.

**Vertical Post/ Structure** -The structure is of 'H' profile in which acoustic panel slides longitudinally. **Top**

**Cover** -All acoustic panel covered at top with top cover made of aluminium alloy riveted to panel. **Powder**

**Coating** -All metallic surface/parts are powder coated, the minimum thickness is 60 Mu.

**STC Rating** -36.



## Acoustic Baffles



A sound baffle is a construction or device which reduces the strength (level) of airborne sound. Sound baffles are a fundamental tool of noise mitigation, the practice of minimizing noise pollution or reverberation. An important type of sound baffle is the noise barrier constructed along highways to reduce sound levels at properties in the vicinity. Sound baffles are also applied to walls and ceilings in building interiors to absorb sound energy and thus minimizing the reverberation.

Envirotech Acoustic Baffles are built around an aluminum frame, just inside the fabric. This frame ensures crisp, square edge lines that last. Some baffles look like bags or pillows over time, that won't happen here. The frame also provides superior durability and resistance to damage during and after installation.

- Instead of attaching to a wall, baffles are suspended from high ceilings.
- Baffles are often used in auditoriums, gyms, sports arenas, commercial/industrial buildings, and other large spaces.
- Baffles are more efficient than wall panels because both sides of the baffle absorb sound.

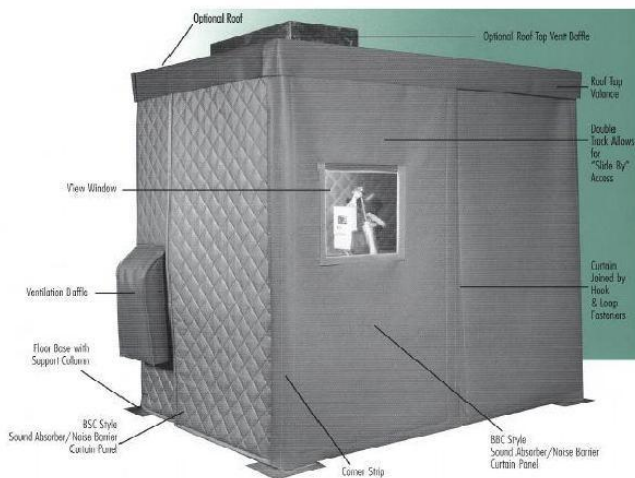


**Hanging Baffles**

Envirotech Systems Pvt Ltd

# Acoustic Curtains

We design the Acoustic Curtain to provide a degree of sound absorption within the space in which they are used. Noise levels can be typically reduced by as much as 20dB-A with a properly designed curtain enclosure often used in performing arts spaces they not only provide a variable acoustic environment for different applications but control excessive reverberation in halls with very reflective surfaces.



Noise Curtain

Acoustic Curtains offer maximum sound control and noise reduction using a combination of sound absorption and noise barrier material. Clients refer to our product as sound curtains, sound blanket or hanging quilt blankets have been used in many industrial, commercial and OEM noise control applications. The system can accommodate ventilation and access while maintaining high noise control.

All material is chemically treated to create a DFR (Durably Flame Retardant) fabric that will withstand a number of dry cleanings. This meets the requirements of BSS867 : Part 2:B which is the British Standard for flame retardant fabrics used for the manufacture of curtains. Permanent fire inherent fabric also available.

The degree of sound absorption depends on the weight of the fabric used, the depth between the curtain and the wall and the degree of pleating.



Envirotech Systems Pvt Ltd

Noise Curtain Installed By Envirotech

## Noise Test Booth

These are widely used in automotive sector, air conditioner manufacturing units, Refrigeration units, fan, motor & Compressors manufacturing units, speaker and sound purity testing etc. to find out actual noise of test piece & also to find out defects in products by using noise analysis method.

We offer online & offline noise testing booth to test each & every piece of product. these booths are designed with perfection, accuracy & new technology. The primary function of this booth is to control the ambient noise and increase the accuracy of intensity measurement by reducing sound reflection.



**Noise Test Chamber Incorporated at Siemens by Envirotech**

### WITH HINGE TYPE WINDOW

Hinge type window provided with pneumatic cylinders for material exit & entry, both windows are controlled with lever performance - 35 dB (A) at an ambient of 85dB(A).

Envirotech Systems Pvt Ltd





**Noise Test Booth With hinge Type Window Supplied to Mando Chennai**

### **WITH CONVEYOR BELT ON BOTH SIDE**

Provided Belt Conveyor for test piece entry & exit at both side of Noise Test Booth, Conveyor having sensors to stop & start. We can check 2200 pieces per day. Performance - 40 dB (A) at 75dB(A) ambient.



**Noise Test Booth With Conveyor Belt Supplied to Denso IMT Manesar HR**



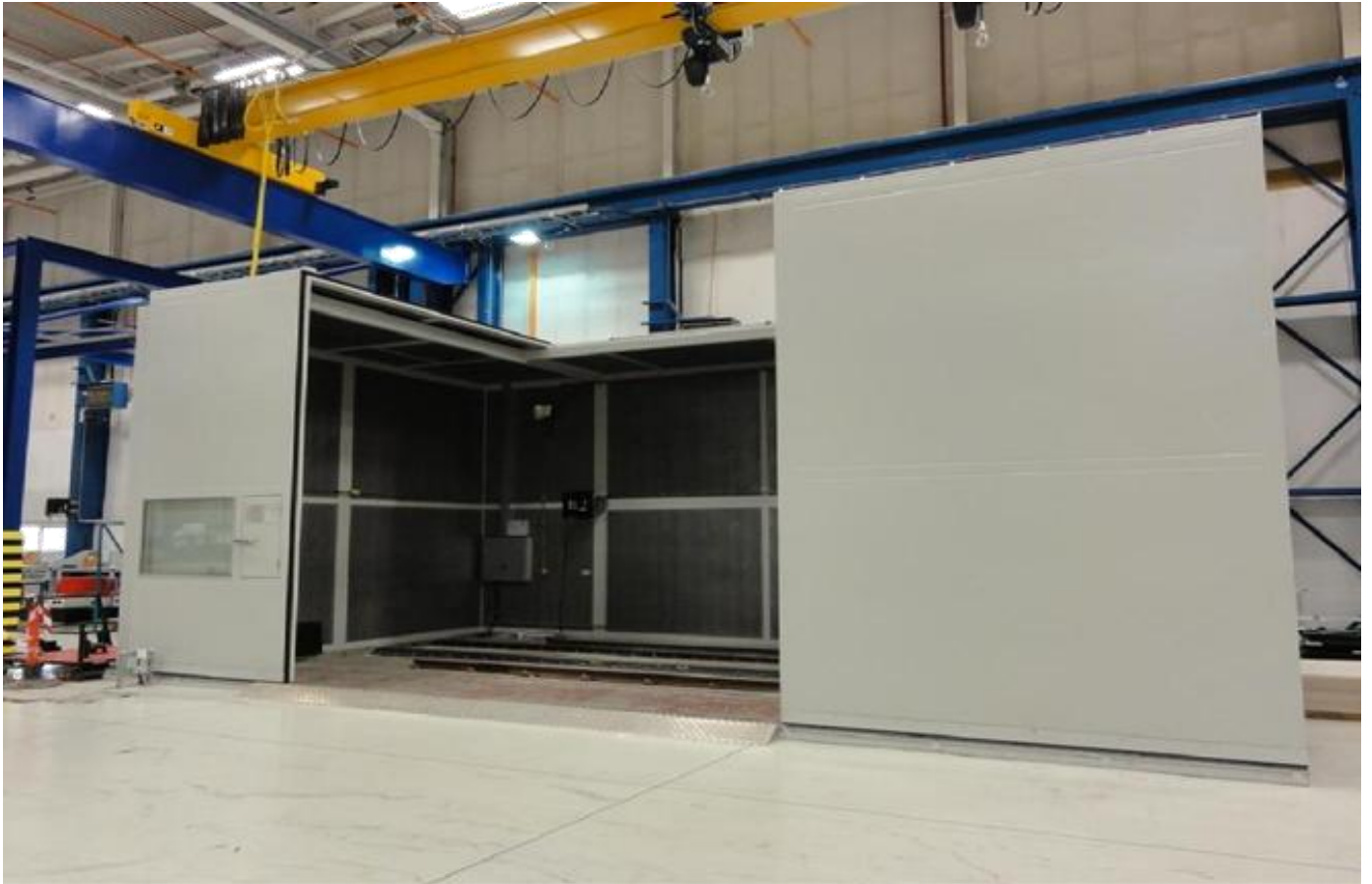
## WITH AUTOMATIC SLIDING WINDOW

The controller card is so designed such that during event or testing the windows shall remain closed and would open automatically during the non testing period. The operation shall be linked with your testing machine, performance - 40dB at 75-80 dB ambient.



Noise Test Booth With Automatic Sliding Window Supplied to Subros IMT Manesar Gurgaon

Envirotech Systems Pvt Ltd



Noise Test Chamber Work done by Envirotech at Siemens



Noise Test Chamber work done by Envirotech supplied to test Hundai parts Chennai



Noise Test Chamber work done by Envirotech Supplied to LG Electronics

Envirotech Systems Pvt Ltd



## Anechoic Chamber

An anechoic chamber (an-echoic or non-echoing) is a room designed to stop reflections of sound waves. They are also insulated from exterior sources of noise. The combination of both aspects means they simulate a quiet open-space of infinite dimension, which is useful when exterior influences would otherwise give false results.



**Anechoic Chamber Work done by Envirotech to test Car Noise & Vibration as per ISO 3745**



**Fully Anechoic Chamber at IIT Kanpur**



## **SEMI ANECHOIC CHAMBER**

A room which create free field conditions but above a reflective plane. Above a certain frequency all sound waves that hit the walls or ceiling of the chamber will be absorbed.

This type of chamber normally used in vehicle testing with a rolling round so that the vehicle may be driven.

The semi-anechoic chamber then forms a controlled environment with the surrounding acoustic conditions behaving as a sterile version of the real world. In this way accurate measurements of the sound inside and outside the vehicle can be made under operating conditions.

**Semi Anechoic Chamber Work at GNT Test Lab Maruti Site done by Envirotech**

Envirotech Systems Pvt Ltd



### MINI ANECHOIC CHAMBER

By aligning automatic measuring system, you can save a time margin on measuring as much as you like by using the mini anechoic chamber at your location. That gives you a time margin in measuring to clear standards and save a developing cost after all.

This mini anechoic chamber provides you a lot of values as much as a low cost, a short-termed construction, no more large space required and convenience in measurements as just you are.

**Mini Anechoic Chamber work done by Envirotech**

Envirotech Systems Pvt Ltd



## Acoustic Doors

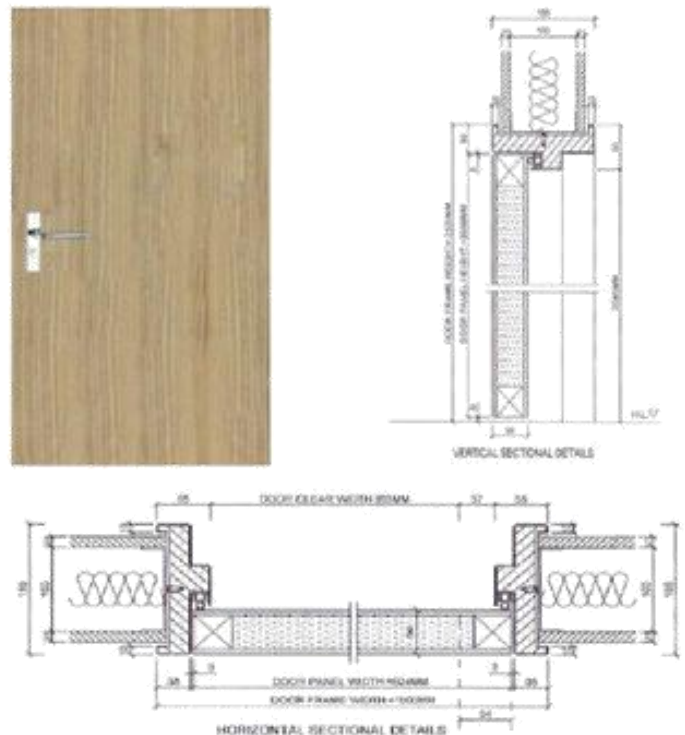
We Offer A Range Of Fire Retardant / Proof / Check Metal Doors Frames Customized And Accurate To Customer Specifications. We Employ The Most Modern Techniques, Measuring And Cutting Equipment. Our Metal Doors Frames Are Available In The Most Elegant Designs. Hinged Type Single Leaf Doors Of 1 & 2 Hrs (60 & 120 Minutes) Fire Rating Fully Insulated Steel Composite Light Weight Single Swing Asbestos Fire Doors As Per Bs:476 Part 22/ Is:3614 Part 2 And Meeting The 1& 2Hrs.Rating For Stability, And Integrity Criteria. The Steel Composite Fire Doors Comprises Of Welded Box Section Insulated Frame And Fully Insulated Shutters Faced With Galvanized Corrugated Sheet Of 1.2 Mm Thickness On Both Sides. All Steel Parts Are Painted With Anti-Corrosive Primer.



Acoustic Doors

## FIRE RESISTANT DOORS

We manufacture Fire Resistant doors. These are of superior quality. Our doors have unique combination of integrity, stability and aesthetic value to withstand specified fire rating. These prevent the fire to surpass and increase the safety level. These are also offered by us as per the clients requirements & specifications.



Envirotech Systems Pvt Ltd



EnvirotechFiredoor Work at GE Bangalore



## Engine Test Bed Acoustic & Allied Work

To perform accurate and repeatable testing of the product, manufacturers use Engine test cell that provide controlled acoustical environment for product testing and development.

Generally Acoustic Treatment to engine test cell prevents the flow of excessive noise from engine test chamber to nearby areas in automobile industry. For accurate designing of Engine Test Cell Acoustics module our acousticians & engineers review the acoustic profile of engines. We use acoustic lining on wall filled with insulated material, acoustic doors to access the engine test cell, acoustic ducting for proper air circulation, smoke exhaust pipe and sound proof glass window to view inside the engine test cell.



Engine Test Cell installed at Maruti Suzuki India, Gurgaon



Engine Test Cell installed at Escort, Faridabad

Envirotech Systems Pvt Ltd

# Silencers

- FD Fan and ID Fan – Inlet and Outlet Silencers
- Engine Exhaust Silencers (Absorptive and Reactive type Silencers)
- Gas turbine exhausts silencers & stack Splitters etc.
- Steam vent silencers & blow off silencers (Fabrication only)
- 

**Typical performance of engine exhaust silencers is as follows :**

- » Absorptive engine silencer: 15dB(A) to 25dB(A) (type SM15P and SM25P)
- » Reactive and wave phase shift: 30dB(A) to 50dB(A) (type SM30P, SM40P, SM50P)



**Engine Exhaust Silencer**



**Air Intake And Discharge Silencer**



**Vent Silencer**



**Industrial Fan Silencers**



## Some of Our Prestigious Clients

✓ GAIL India Ltd	✓ M/s Tractors And Farm Equipments Ltd (TAFE)
✓ IIT Kanpur	✓ M/s ISRO
✓ M/s General Motors	✓ M/s Siemens Limited
✓ Lupin Ltd	✓ M/s Larsen & Turbo Limited (L & T)
✓ M/s GRAZIANO Trasmissioni India Ltd	✓ M/s Saint Gobain Glass India Ltd.
✓ M/s Asia Motor Works Ltd	✓ M/s Reliance Industries Ltd.
✓ M/s Denso India Ltd	✓ M/s Jamna Auto India Ltd
✓ M/s Subros Auto Air- Conditioning Ltd	✓ M/s Colgate - Palmolive Ltd
✓ M/s United Telecoms Ltd	✓ M/s Maruti Suzuki India Ltd
✓ M/s BhartiInfratel Ltd (Airtel)	✓ M/s Honda Sael Power Products Ltd
✓ M/s Essar Oil Limited	✓ M/s ABB Limited
✓ M/s Emirates Petroleum Products Company	✓ M/s Alstom Projects Pvt Ltd
✓ M/s Indian Steel Corporation Ltd	✓ M/s LG Electronics India Ltd
✓ M/s Hilti India Pvt Ltd	✓ M/s Hindustan Unilever Limited
✓ M/s Varroc Engineering Pvt Ltd	✓ M/s Bharat Rasayan Limited
✓ M/s SRF Limited Unit II	✓ M/s Aksh Optic Fiber Limited
✓ M/s AlkopsMenon Ltd	✓ M/s DharampalPremchand Ltd
✓ M/s Bosch Limited	✓ M/s Indian Metals & Ferro Alloys Ltd
✓ M/s Crompton Greaves Limited	✓ M/s Atlas Steel Tubes Ltd.
✓ M/s DELPHI-TVS Diesel Systems Limited	✓ M/s MothersonSumi Systems Ltd
✓ M/s Sai Surface Coating Technologies	✓ M/s JP Associates Ltd
✓ M/s India Herbs Research & Supply Co. Ltd	✓ M/s Osram Ltd, Seimens Group
✓ M/s Mando India Steering Systems Pvt Ltd	✓ M/s Sterlite Industries (I) Ltd
✓ M/s Vestas Technology R & D Chennai Pvt Ltd	✓ M/s Supreme Industries Ltd
✓ M/s ACC Cement Ltd	✓ M/s Shree Cement Ltd
✓ M/s Everady Ltd	✓ M/s Nippon Ltd
✓ M/s OIL India Limited	✓ M/s Jagat Agro Ltd
✓ M/s Hindustan Aeronautics Limited	✓ M/s Paradsie Plastics Entp. Ltd
✓ M/s VINAI Engineering Industry Co. Ltd	✓ M/s Parabolic Drugs Limited
✓ M/s VINAI ENGINEERING INDUSTRY CO. LTD	✓ M/s Gurunanak Auto Enterprises Ltd
✓ M/s Tractors And Farm Equipments Ltd ( TAFE)	✓ M/s Supper Cassates Industries Ltd
✓ M/s Ingersoll Rand Ltd.	✓ M/s Larsen & Toubro Limited
✓ M/s Flowserve India Controls Pvt Ltd	✓ M/s Amtek Auto Ltd
✓ M/s SICGIL India Limited	✓ M/s FiammMinda Automotive Ltd
✓ M/s Bhabha Atomic Research Centre	✓ M/s Asian Paints Ltd
✓ M/s Barco Electronic Systems Pvt. Ltd.	✓ M/s Envin Foods & Industries Pvt. Ltd.
✓ M/s Amtek India Ltd.	✓ M/s Tube Investments of India Ltd.
✓ M/s Casa Severina	✓ M/s Behr India Ltd.
✓ M/s Global Coal & Mining Pvt. Ltd.	✓ M/s Semco Electric Pvt. Ltd.
✓ M/s Maeda Corporation (India)	✓ M/s Adventech Polymers Private Ltd.
✓ M/s Oriental Carbon & Chemicals Ltd.	✓ M/s Indraprastha Medical Corporation Limited
✓ M/s Isgec Heavy Engg. Ltd.	✓ M/s Gates India Private Ltd.
✓ M/s Topcem India Ltd.	✓ M/s Sovereign Tech Engg. Services Pvt. Ltd.,
✓ M/s SI Group-India Limited	✓ M/s Global Marketing
✓ M/s Procter & Gamble Ltd.	✓ M/s Amber Enterprises (India) Pvt. Ltd.
✓ M/s Zuari Cement Ltd.	✓ M/s Compamedic Instruments Pvt. Ltd.
✓ M/s All India Institute of Speech & Hearing	

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**Thank You!**