



TURNKEY SOLUTION FOR HVAC & CLEANROOM

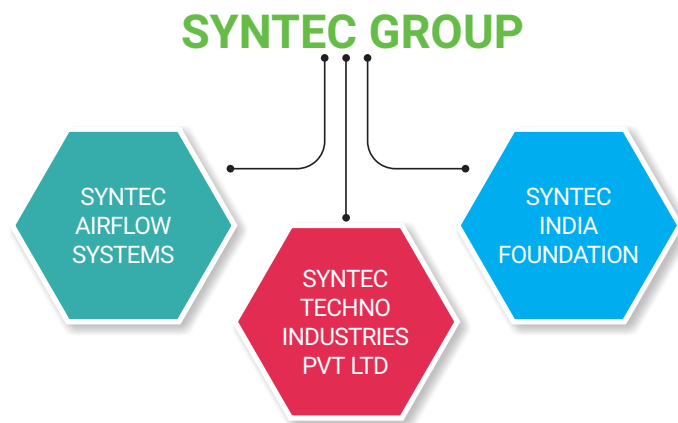
**Green Technology For
a Healthy World...**

Syntec Airflow Systems is the leading HVAC & CLEANROOM turnkey solution provider present in India, providing to the world, since 1998.

Syntec Airflow aims to become a comprehensive enterprise to provide Amenities, freshness, and cleanliness.

ABOUT US

Syntec Airflow Systems serves Turnkey Solution for Cleanroom and HVAC system considering **ASHRAE, SMACNA, ISO 14644, BS5295, US FED STD- 209E, EU GMP** Guidelines, UK MHRA & WHO GMP, standards for Consultation, designing, manufacturing, installing, commissioning, and validating all classes of cleanrooms and has been rated the top turnkey service provider for **Healthcare (Pharma, Hospital, Operation theatre, Labs, Food industries, Nutraceutical, Homeopathic, Ayurvedic, Biotech, Cosmetic); Medical devices (Injection molding plant, cannulas, orthodontal manufacturing plant, ortho plant, surgical item); cold room; agriculture; electronic (mobile company, PCB company, paint shop, printing industries)**. We are a one-stop solution provider for **Air handling units, VRV system, chiller, ventilation, dehumidification, ducting, and Cleanrooms comprising partitions, wall claddings, ceilings, epoxy**



floorings, fire-rated doors, emergency exit doors, Electrical, Lightings, IT, and Networking, BMS System, MEP Projects, Fire Alarm and Suppression, Video Surveillance, etc.

We also manufacture cleanroom equipment like laminar airflow, biosafety cabinets, pass boxes (Static and Dynamic), dehumidifiers, garment storage cabinets, air showers, pharmaceutical isolators, etc. With the backdrop of extensive research, technical know-how, skills, and professionalism which is vital to elevate and enhance sales and services, the company brings with it a guarantee of quality, reliability, and enduring commitment to our esteemed clients the very important ingredients i.e. Continuous After Sales Service. It is our policy is to achieve the highest customer satisfaction by timely delivery of the products and services at the most reasonable and competitive prices conforming to high standards achieved through continuous improvement.



WHY US

WE SERVE TURNKEY SOLUTIONS FOR HVAC AND CLEAN ROOM

Starting a project from the green field stage to the commissioning level (Turnkey Project) or up-gradation of the existing facility as per US FDA, UK MHRA, TGA, WHO GMP, ISO 9000, etc., at Syntec you get all services under one roof.



Commitment to Our Clients

We endeavor to deliver on our commitments to our clients, focusing on transparency, results, and high standards. Syntec provides tailor-made solutions to meet clients, business, and project goals. We aim to build long-term relationships with our clients that are founded on trust.



Commitment to Quality & Delivery

We are committed to quality work and on-time delivery through the development and implementation of our Quality Management Systems. Syntec aims to deliver the highest level of professional excellence.



Experience in Industry

With over more than 300+ projects in India and overseas in the last few years, we covers a wide variety of pharmaceutical & biotech industries and engineering services.



Commitment to Economic & Sustainable Design

We emphasize economical designs with high production & energy efficiency. We believe in sustainable solutions that impart minimal environmental impact.



STRENGTH

Syntec Airflow Systems is the ultimate manufacturing facility with best-in-class equipment for producing high-quality products, fully supported by a group of expert engineers in its field who are skilled designers, operators, and engineers.



VISION

To establish ourselves as a market leader in the HVAC & CLEANROOM industries by delivering excellent products and customer service.



MISSION

An ongoing raise of the bar for the quality of the goods, deliveries, and services we provide to our clients to increase their satisfaction.

HVAC

Heating, ventilation, and air conditioning solutions are required in every manufacturing and commercial sector. That is precisely what Syntec Airflow Systems seeks to provide: optimum air quality, optimal temperature, and adequate ventilation with filtration. Our team of highly skilled and dedicated experts examines your company's demands and delivers cutting-edge solutions.

Energy system include heating, cooling, and air conditioning units. And Syntec is the most recognized brand for HVAC system in India. We provide high-quality, economical, environmentally friendly services that can be customized to fulfill your company's needs. Among the multitude of names, our commitment to providing the best after-sales service, customer service, premium products, and turnkey solutions stands us apart.

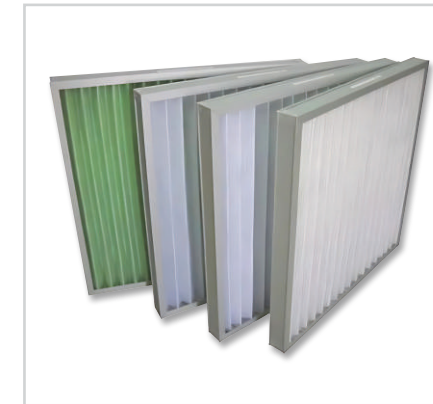
Syntec Airflow Systems provide solutions For HVAC In vital And testing Applications worked around a comprehension that people should have the option to rely on indoor air comfort and critical air management when inside a facility. Flexible and cost-effective, our system offerings can be applied to pharmaceuticals, hospitals, hotels, micro-electronics, and also commercial buildings.



HVAC ACCESSORIES



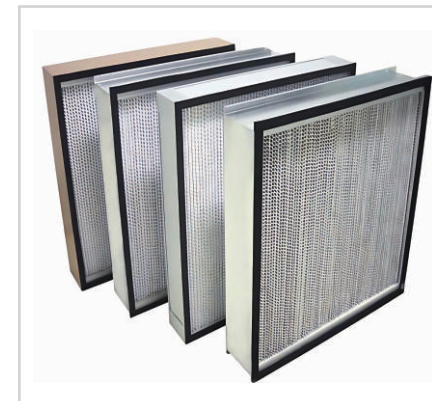
VRF



PRE & FINE BAG FILTER



DUCTABLE UNIT



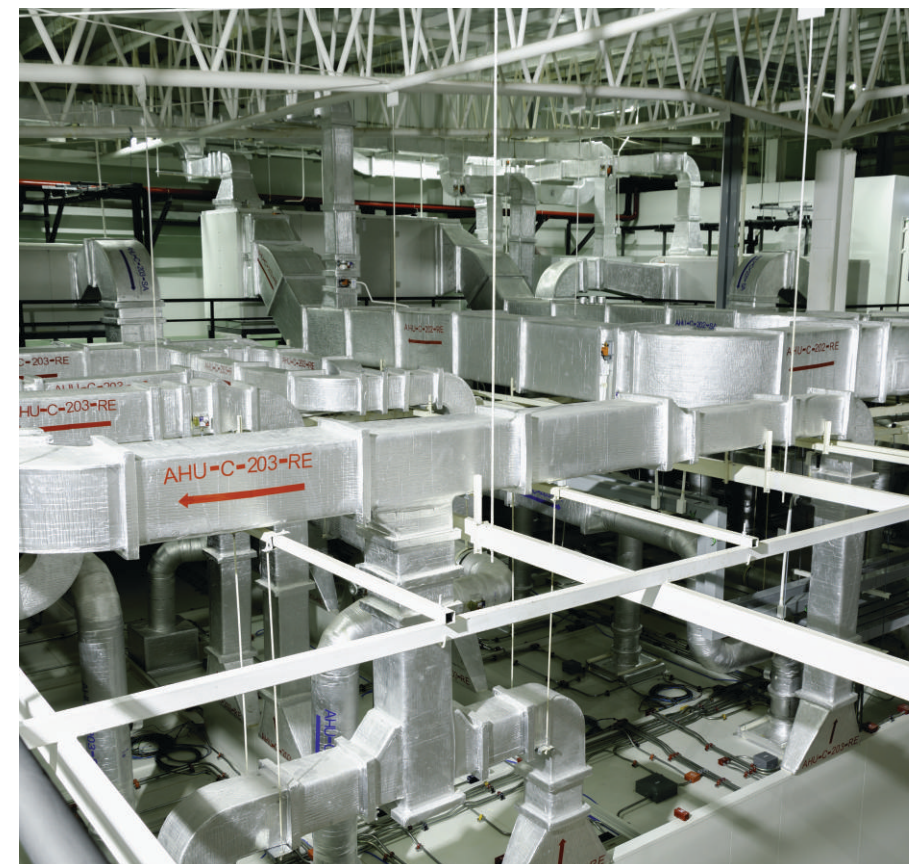
HEPA FILTER



MAGNEHLIC PRESSURE GAUGE



DIGITAL DIFFERENTIAL PRESSURE AND FLOW GAGES



DUCTING



COOLING COIL (DX & CHW)



VOLUME CONTROL DAMPER

AIR HANDLING UNIT

Syntec Airflow Systems is also an AHU (Air Handling Unit) manufacturer, supplier, and exporter. The AHUs are made in a variety of designs, including floor-mounted, vertical, and customized to meet the requirements of the consumers. The very first priority is product quality, and quality control and monitoring begin with design and raw material selection. As required, the product will be developed and made available in 43+2 mm puff-insulated double skin with or without a thermal break profile. Air handling units are made in both single and two-layer configurations depending on the project's requirements. Clients and user industries appreciate our air handling equipment for their durability and high quality at competitive prices. AHUs are designed and manufactured in the range of 500 – 50,000 CFM.

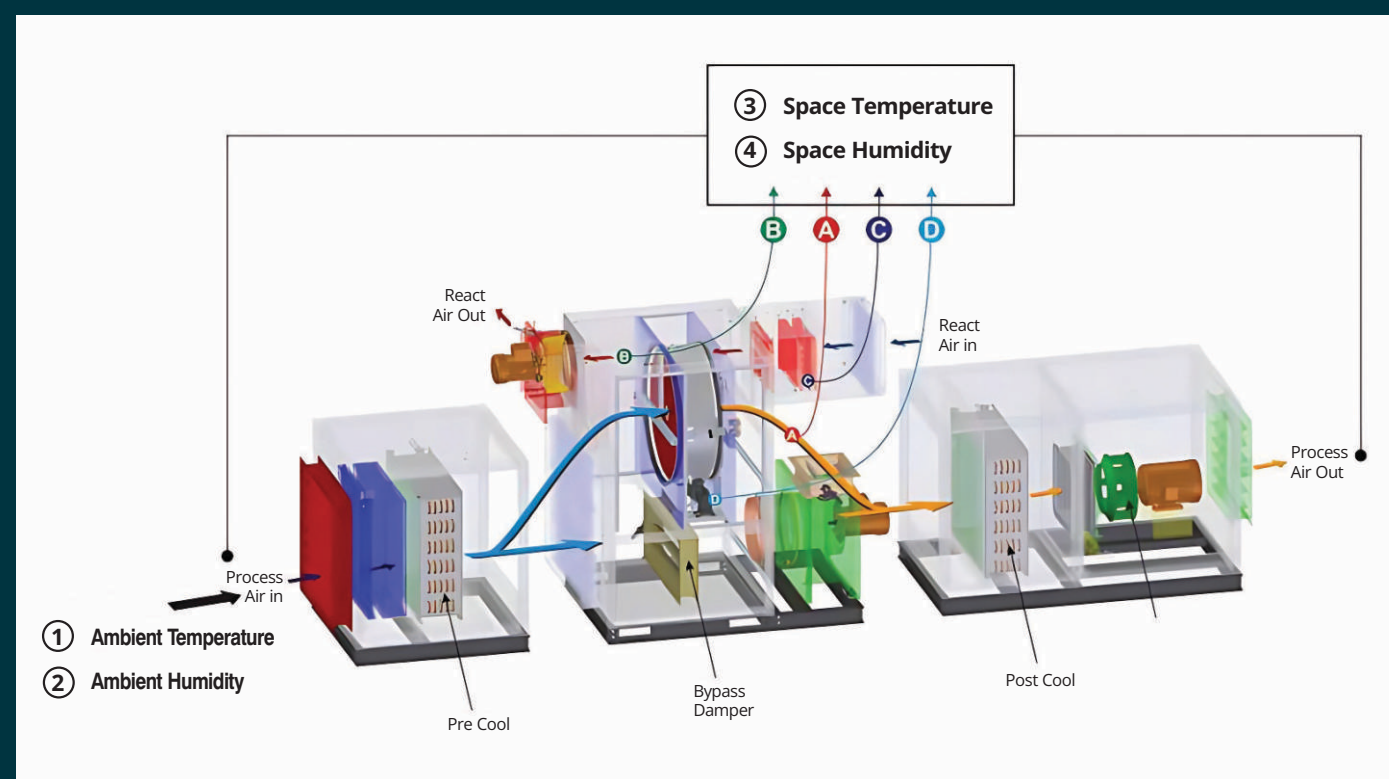
The AHU is the major element of your HVAC system. It is responsible for ensuring fresh, clean, and healthy air in your house or business.

Syntec comes in useful here! Syntec's air handling unit combines a mixture of UV light and high-efficiency pre-filters to eliminate 99% of microorganisms from within the coil housing! You'll be able to keep mould spores at bay for good with only one one-time payment and routine servicing every three months (or more frequently depending on how much use you give it). Furthermore, our UV-zone technology eliminates viruses, germs, and other pathogens in the air.



DEHUMIDIFIER

Syntec Airflow Systems provide the Industrial desiccant dehumidifier to eliminate moisture content from the air in given air or in a given climate. This is achieved by presenting the air to an adsorbing media (desiccant) in a fixed air stream (process). After the desiccant has adsorbed moisture, it is presented to a subsequent air stream at a raised temperature (reactivation). This makes the moisture be driven out of the desiccant setting it up for more moisture adsorption. This cycle is finished on a nonstop premise, giving a consistent drying process. The two air streams (cycle and reactivation) are isolated via seals, which contact the desiccant media.



CHILLER

Syntec Airflow Systems offers an extensive range and provide expertise for Cooling Systems and Chilling Plants which includes Air Cooled Chilling Plant, Water cooled Chilling Plant, etc.

Chiller plant installation is needed for exchanging heat from water to closed refrigerant system. Afterwards the refrigerant will be pumped to the location where unwanted heat can be transferred to the atmosphere. Multiple facilities and excellence are prime factors due to which chiller plant installation services are in demand



CHILLER VERTICAL PUMP



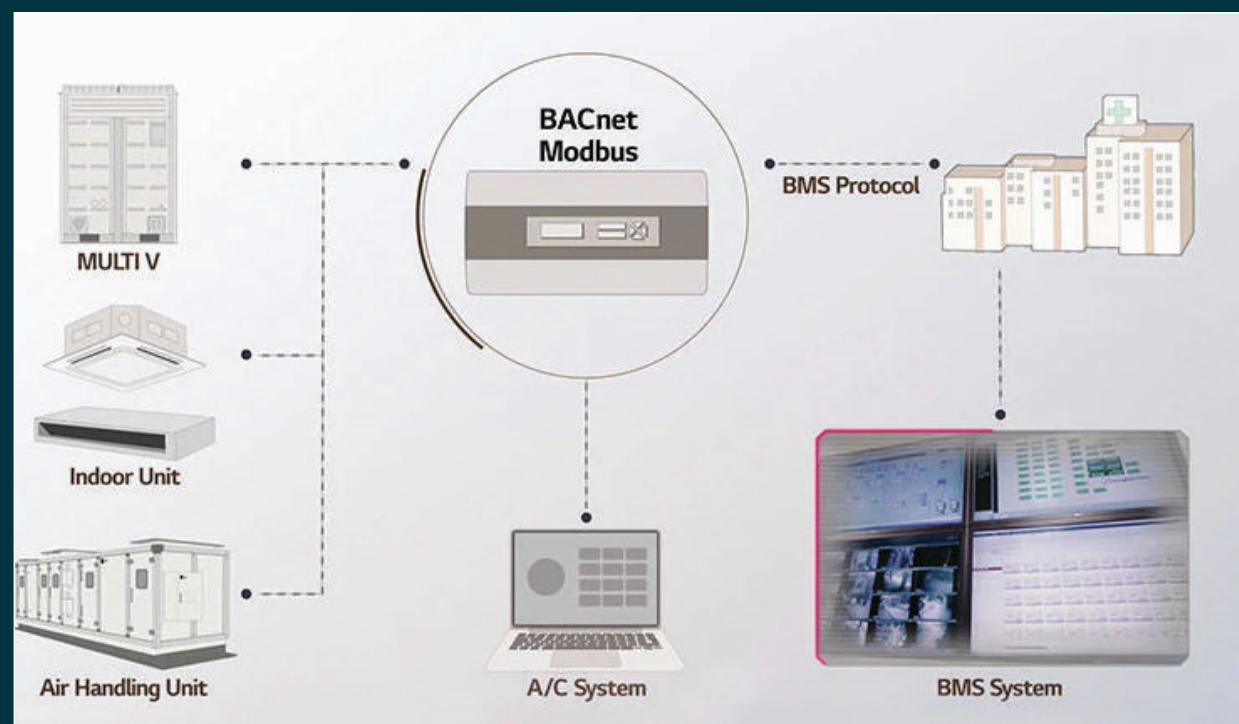
COOLING TOWER



BUILDING MANAGEMENT SYSTEM

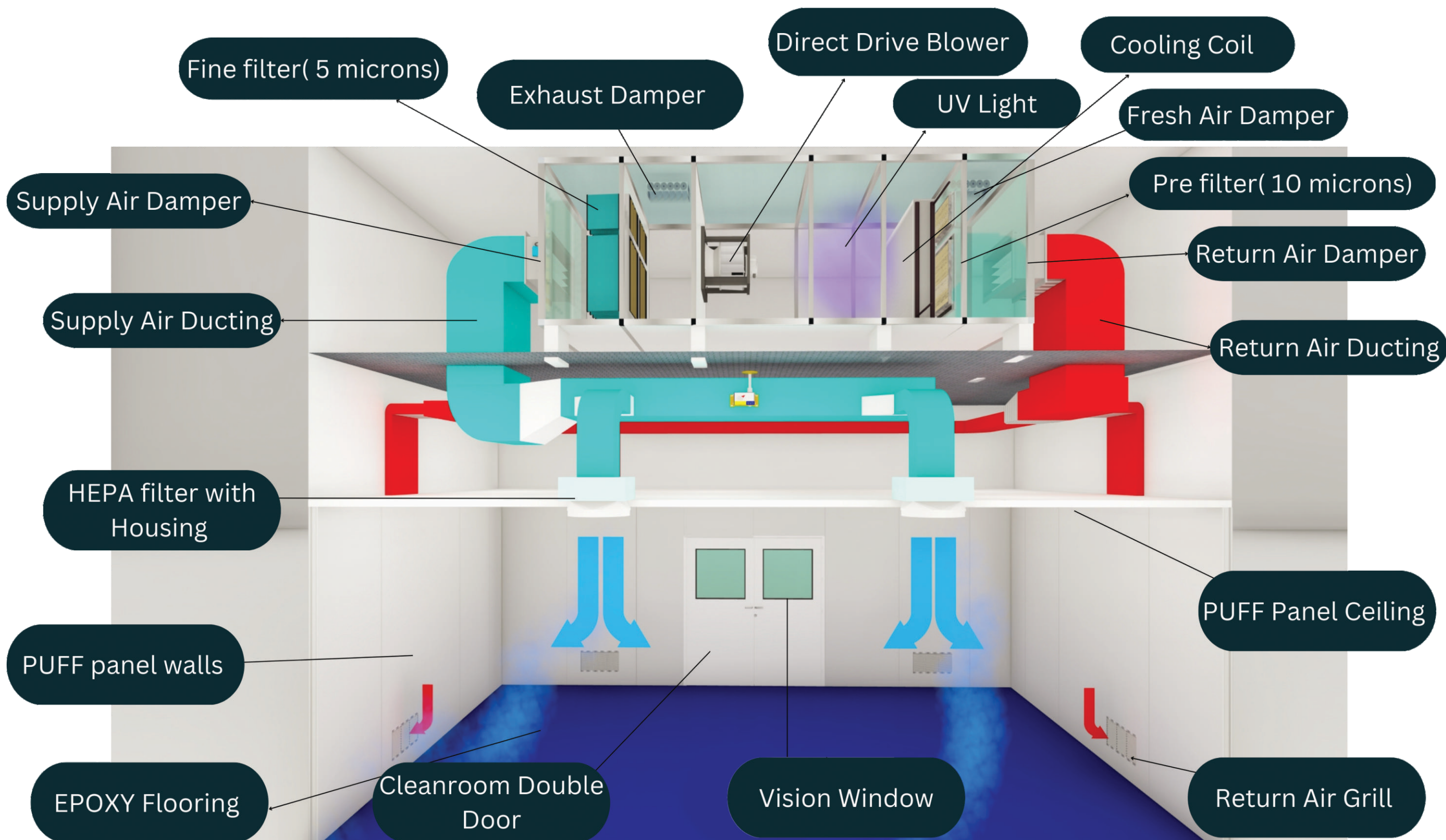
Syntec Airflow Systems also design a BMS system to provide precise control over environment parameters and conditions in clean rooms by implementing control algorithms for temperature, humidity, and pressure.

The solution enables rich graphical visualization of processes, conditions, and sensor values in real time. All key parameters, such as alarm boundaries, PID loops, and production parameters can be accessed through SCADA. Power users have the option to define two-level alarm settings for GMP (Good Manufacturing Practice)2 and non-GMP parameters.



LAB FURNITURE





COMPLETE CLEANROOM & HVAC SOLUTION

TURNKEY CLEANROOM SOLUTION

Syntec Airflow Systems configuration, designs, builds, and presents a clean room that satisfies any classification rules and industry-unequivocal requirements. Puff panel walls in clean rooms are used to construct measured cleanroom conditions that are easily revamped to your exceptional application and can be changed, broadened, combined, or moved as your task needs to advance.

Our cleanroom experts work with you to design with ISO 14644 and do the ideal arrangement, HVAC, and level of control expected to come to your cleanroom classification and keep your manufacturing unit in max execution and capability reliably.

The pharmaceutical industry is dependent upon weighty unofficial law, and pharmaceutical cleanrooms should satisfy severe guidelines and requirements. The base norm for pharmaceutical cleanrooms is upto ISO 5 (Federal Standard 209 Class 100), which requires 240-600 air changes each hour and 35-70 percent roof inclusion to keep a climate of 100,000 0.1 μ m particles for every cubic meter. We plan, develop and introduce the greatest pharmaceutical cleanrooms to meet these requirements.



CLEANROOM AIRSHOWER



CLEANROOM PUFF PANEL



CLEANROOM WINDOWS



CLEANROOM DOOR



CLEANROOM CEILING



CLEANROOM EPOXY FLOORING

SS FURNITURE AND CLEANROOM EQUIPEMENT

SS FURNITURE is specially designed & fabricated for the use of the pharma company in the production department. The entire furniture is made out of the SS 304 2B Prime material quality to give the cGMP norms & smooth polish. SS Furniture is used in different departments like production, maintenance dept., quality control dept.

We are considered one of the distinguished manufacturers and suppliers of SS304/316) in various models. These have precise functionality and could easily withstand the effects of severe and unfavorable circumstances These products are extensively used in bio-pharmaceuticals, pharmaceuticals, hotels, canteen, and laboratories.



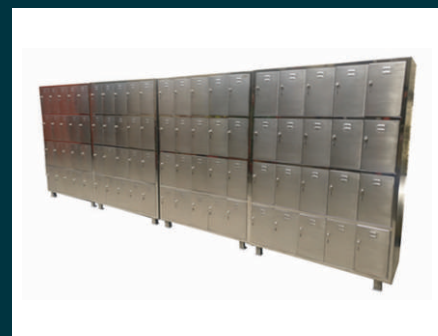
SS CROSS OVER BENCH



SS GARMENT CABINET



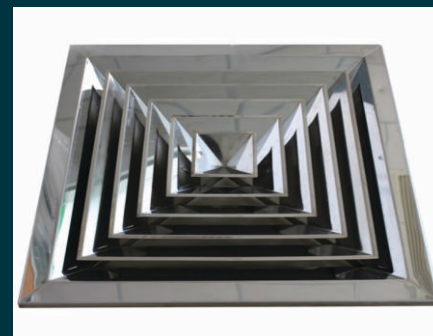
SS SINK TABLE



SS LOCKER



SS GRILLS



SS DIFFUSERS



SS ALMIRAH



SS STATIC PASS BOX



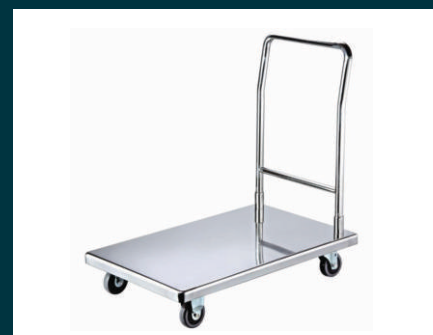
SS AIRSHOWER



SS DYNAMIC PASS BOX



S.S.OFFICE TABLE



S S PLATFORM TROLLEY

LAMINAR AIRFLOW

Horizontal Laminar Airflow Unit

With our cutting-edge technology, we make available to the esteemed clients unmatched quality Horizontal Laminar Air Flow Unit. Horizontal Laminar Air Flow Unit that we deliver in the market is known for its robust construction, smooth functioning and unsurpassable performance. Manufactured using high grade materials, our Horizontal Laminar Air Flow Units are high on demand in the market.

Features:

- » High product protection by provision of ISO Class 5 particle free work area.
- » Able enough to handle critical process.
- » Protection for the samples and processes.
- » The work area is incessantly supplied with positive pressure HEPA filtered horizontal air flow.
- » Horizontal unidirectional airflow speed prevents contamination from operator and environment to work area.



Vertical Laminar Airflow Unit

We manufacture, supply and export Air Flow Equipments that is fabricated using supreme quality materials. The Vertical Laminar Air Flow Unit offered by us is widely demand owing to its high end performance and reliability. Moreover, reasonable price has been fixed for the Vertical Laminar Air Flow Unit.

Features:

- » Functional efficiency
- » Corrosion resistance
- » Longer service life
- » Excellent performance
- » Optimum functionality
- » Easy maintenance

Reverse Laminar Airflow Unit

Designed with precision, the Reverse Laminar Air Flow is ideal for Operator Protection, Product Protection and Environment Protection. Based on the smooth working profile and high-end performance of our Reverse Laminar Air Flow, we are ranked amidst notable Reverse Laminar Air Flow Manufacturers, Suppliers and Exporters from India. Furthermore, Reverse Laminar Air Flow can be customized to suit the precise requirements of the clients.

Features:

- » Functional efficiency
- » Corrosion resistance
- » Longer service life
- » Excellent performance
- » Optimum functionality
- » Easy maintenance



SS Air Shower

The air shower produces high-pressure air, filters this air through a HEPA/ULPA filter, then flows the air through adjustable nozzles which exit at a high velocity. The air is then recirculated back to the high-pressure blower, where it is pre-filtered then HEPA/ULPA filtered and ducted back to the adjustable high-velocity cleaning nozzles. With this high air flow volume (power) and the high nozzle velocity (force), the people inside the air shower are cleaned faster and more effectively. There are 32 adjustable air nozzles in each standard air shower section - 16 per side. The nozzles are aluminum with a clear anodized finish. They have a 1.2-inch inside diameter, with approximately 7800 LFPM (9000 LFPM peaks) nozzle velocity.



SS Dispensing Booth

Dispensing booth is requisite for industry to dispensing bulk raw material in clean room to avoid contamination and operator safety. Sampling booth are utilized to break down and test sample drawn from dispensing booth and other areas. the equipments are accessible in various sizes to suit individual prerequisites. Standard sizes accessible are 4'x3', 4'x4', 4'x6', and so forth.

Equipment Features

- » M.S powder coated or Stainless steel body
- » Durable and easy to clean
- » Stainless Steel Standing Base
- » HEPA, Fine and Pre-Filter
- » U.V. Light
- » Fluorescent Lamp
- » Operating Switch
- » Motor Blower Assembly
- » Static Pressure Manometer

PASS BOX

SS Static Pass Box

Syntec presents its static pass box equipment, fabricated with powder coated 304 / 316 grades stainless steel and high quality components and are capable of eradicating pollutants completely from the air. These static pass boxes are installed in manufacturing areas and filter the incoming air in order to keep the air free from dust and other contaminants. With UV light along with hour meter, Fluorescent light, buzzer indicator to know the material is kept inside and indicating lamp, these static pass boxes provide excellent working performance in the clean room unit.



SS Dynamic Pass Box

Dynamic Pass Box equipment are made of powder coated high grades stainless steel (304 / 316 / 316 L) with international quality standard components including mechanically or electrically interlocked doors and UV light. These dynamic pass box equipment are equipped with suction filter made of stainless steel with 95% down to 5 μ efficiency (EU-4rating) and supply filter made of aluminum with 99.999% down to 0.001 μ (EU-14 Rating.) An interlock guard system controls the inlet and the outlet of PASS BOX not be opened at the same time, in order to prevent the cross contamination.



De-Dusting Tunnel

De-Dusting Tunnels are utilized to eliminate the loose particles and dust that accumulate on raw material containers even before they are brought into the warehouse prior to sampling. This offers a critical decrease in dust levels, guaranteeing item quality and further developed yield.



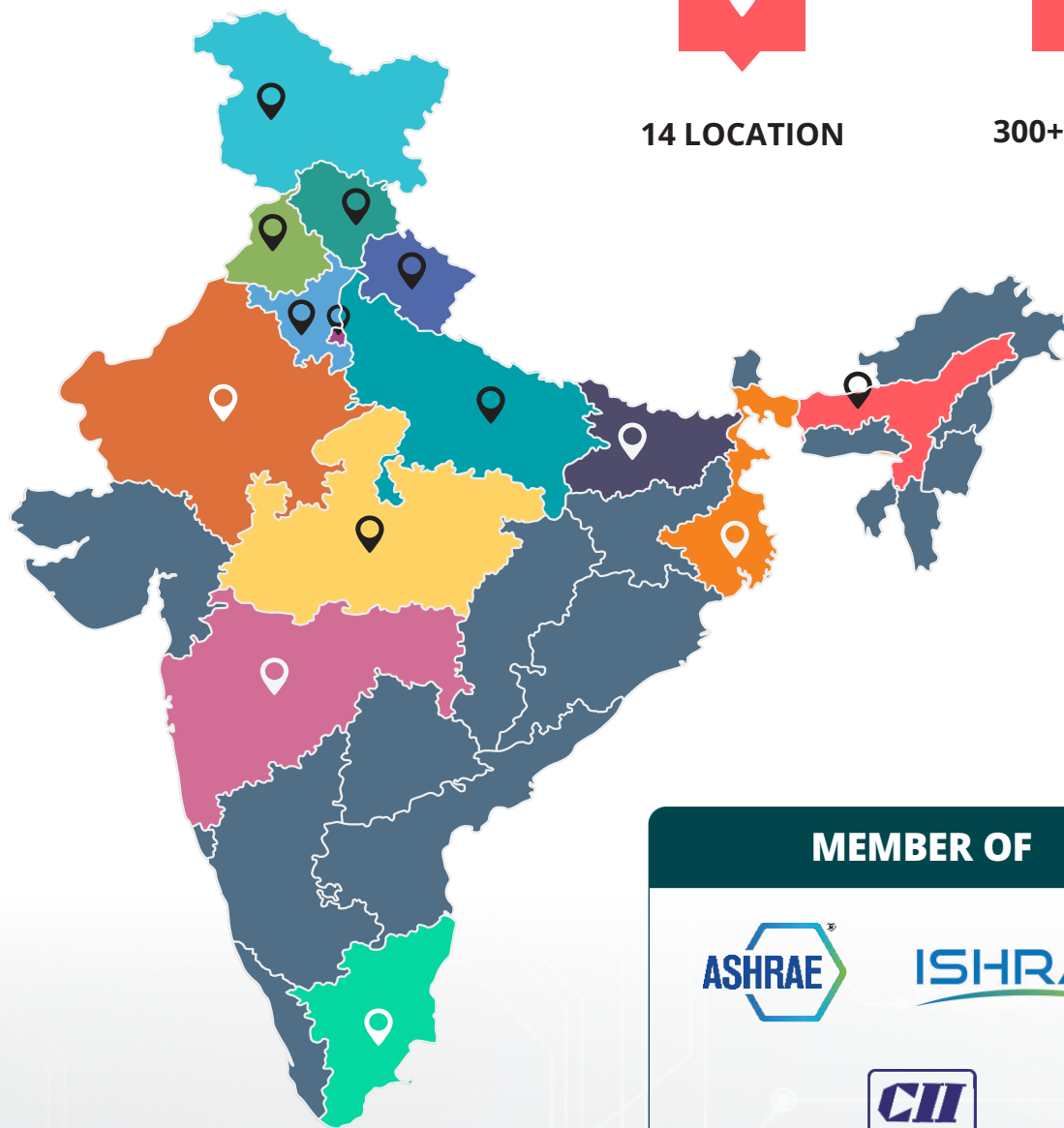
STATES



14 LOCATION



300+ CLIENTS



MEMBER OF



Confederation of Indian Industry

INDUSTRIES WE SERVE

PHARMACEUTICAL
INDUSTRY



HERBAL
INDUSTRY



API INDUSTRY



HOMEOPATHY
INDUSTRY



COSMETICS
INDUSTRY



FOOD
INDUSTRY



CHEMICAL
INDUSTRY



RESEARCH
INDUSTRY



HEALTHCARE
INDUSTRY



CLIENTS: MORE THAN 300+



OUR PARTNERS





CONTACT DETAILS:

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Near Railway Station, Gurugram-122001

Corporate Office: 1210, Sector-4, Gurugram-122001

Factory Address: Plot no.10, Street No. 8, Sector 7B,
Model Economic Township Limited (METL),
Sondhi, Tehsil Badli, District Jhajjar, Haryana



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