COMPANY PROFILE

TOSHALI INDUSTRIES (P) LIMITED
An ISO 9001:2015 Certified Company

www.toshaliindia.com

Helpline: +91 9778877000

ABOUT US

Toshali Industries (P) Limited is an ISO 9001:2015 Certified Company, a leading fire solution service provider in Odisha, established in the year 2017, dealing with design, installation, testing, and Commissioning & Annual maintenance of fire protection and fire suppression system.

Toshali Industries (P) Limited is professionally managed with a team of trained people providing complete selection of products & services to provide turnkey & one stop solution for all kinds of fires. We provide all types of Fire Extinguishers & Spares, Hydrant system & its components, Sprinkler system & its components, Fire alarm & Smoke detection systems and its components, Co2 flooding systems & its components, Fire doors, Safety doors.

Our array in services starts with fire risk assessment as per type of building and occupation as per NBC guidelines and consultation which leads to design of required system, fire drawing, BOQ preparation, budgeting, supply of quality materials, fabrication, installation , testing and commissioning of fire protection system and backup services as annual maintenance of the same.

We also provide class room training as well as live demonstrations of firefighting equipment & systems. We have tie ups with several manufactures & suppliers for procuring and supplying best & most advanced quality products.

VISION

Excel in Customer satisfaction and build a safe and secure environment for the society.

MISSION

We are committed to provide customers with products and services which achieve and sustain the highest possible quality standards with cost effective solutions.

VALUES

* Stringent quality control
* Consistency
* Time bound project completion
* Reliability

TEAM WORK

We foster an environment that encourages innovation, creativity and results through teamwork. We practice leadership that teaches, inspires and promotes full participation and career development. We encourage open and effective communication and interaction.

INTEGRITY

We maintain the highest standards of individual and corporate integrity. We safeguard company assets and comply with all company policies and laws.

EXCELLENCE

We continually challenge each other to improve our knowledge our processes and ourselves. We strive always to understand our customers' businesses and help them achieve their goals. We are dedicated to diversity, fair treatment, mutual respect and trust of our employees and customers.

Our Specialization:

We at Toshali Industries (P) Ltd are specialized in providing complete System and services for the followings

Fire Detection & Alarm System

- ➤ Conventional detection system
- ➤ Intelligent Addressable system
- ➤ Aspiration System
- ➤ Air sampling type high sensitive smoke detection system
- ➤ PA System

Fire Protection & Fire Suppression System

- ➤ Portable Fire Extinguishers (Dry chemical powder , Foam, CO2, Water, wet chemical, clean agent types)
- ➤ Water based Fire suppression system
  - Hydrant system
  - Sprinkler system)
- ➤ Gas based Fire suppression system
  - FM 200, NOVEC 1230 Clean agent system
  - CO2 Flooding system
  - Inert gas flooding system
- ➤ Foam based Fire suppression system

Fire Cooling System

- Water mist Fire suppression system
- High/Medium velocity water spray system

Security System

- CCTV Surveillance system
- Physical Access control system (smart card, biometric, IDS etc.)

Product and Services:

1. Fire Extinguishers

Fire Extinguisher is an active fire protection device used to extinguish and control small fires in emergency situations.

We provide following types of extinguishers
- ABC fire extinguishers (Stored pressure type)
- DCP Fire extinguishers (Stored pressure & Cartridge type)
- CO2 Fire Extinguishers
- Mechanical Foam Fire extinguishers
- Water Fire extinguishers (Stored pressure & Cartridge type)
- Trolley/Wheel based Fire extinguishers (ABC, DCP, CO2, Foam)
- Wet chemical fire extinguishers for Kitchens
- Clean agent Fire extinguishers
- Modular fire extinguishers
- Fire Balls

Note: We have in-house facility for re-filling of fire extinguishers.

2. Water Based Fire Protection System

2.1 Fire Hydrant System

Fire Hydrant System is water based fire suppression system having a network of piping installed underground / above-ground around and/or through inside of a building with internal and/or external hydrants fitted with landing valves at regular intervals according to the occupancy. The distribution system is connected to water supply

- Down comer Hydrant system
- Wet riser hydrant system
- Wet riser cum down comer hydrant system

We can design above system with fire drawing, BOQ preparation, budgeting, supply of quality materials, fabrication, installation, testing and commissioning of fire hydrant system.

2.2 Sprinkler System

Fire Sprinkler System is water based fire suppression system, a system of water pipes fitted with sprinkler heads at suitable intervals and heights and designed to actuate automatically, control and extinguish a fire by the discharge of water.

Our design facility has provision estimating water demand by hydraulic calculation and accordingly the sprinkler networking is being done.

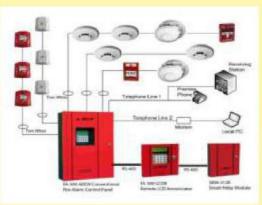## 3. Fire Detection & Alarm System

Fire detection system is designed to discover fires early in their development stage. Usually fire detectors are coupled with fire alarms system to provide notice to at least the building occupants and usually transmit a signal to a staffed monitoring station either on or off site.

We integrate Fire detection and alarm system that includes following

- **Conventional system**
- **Addressable system**
- **Aspiration system**

4. Fire suppression System

4.1   FM-200

FM-200 (Heptafluoropropane) is a replacement for Halon 1301 in applications requiring a clean environmentally acceptable fire extinguishing agent, suitable for use in manned areas. It is a colourless gas at standard conditions, exhibiting a boiling point of -16.4 Degree Centigrade. Through the use of properly designed equipment, FM-200 will mix well in a protected enclosure to provide a homogenous mixture in air. For fire suppression applications, FM-200 is super pressurized to achieve rapid discharge into the protected environment.

FM-200 works by physical action, the molecules absorb heat so that the temperature of the flame falls to a point below which it cannot propagate, and the fire is extinguished. The oxygen depleting effect is minimal as only small quantities of the gas are used.

4.2   Novec 1230

Novec 1230 fire protection fluid extinguishes a fire before it starts by rapidly removing heat. In a typical total flooding system, the fluid is stored as a liquid in cylinders pressurized with nitrogen. Automatic detection sensors trigger release when the fire is at the incipient stage, extinguishing it in mere seconds.

4.3   Tube based fire suppression System

Automatic self-seeking fire tubing system puts out fires when they start, where they start. Designed for installation inside enclosures and inaccessible areas. No complex electronics. Safe against malfunction. Best cost-performance ratio.

5. High/Medium velocity Water Spray System

High velocity systems are often used to protect equipment that incorporate heavy or medium oils equipment such as transformers, circuit breakers, diesel engines and fuel oil storage tanks, turbo alternator lube oil systems and oil fired boilers. The high velocity nozzles are specifically designed to discharge a jet of water at high speed.

Medium velocity sprayers discharge a water spray of finely divided droplets at medium velocity. They are ideal for protecting hazards involving light oils where emulsification from high velocity sprayers is not possible.

6. Fire Doors

A fire door is a door with a fire-resistance rating (sometimes referred to as a fire protection rating for closures) used as part of a passive fire protection system to reduce the spread of fire and smoke between separate compartments of a structure and to enable safe egress from a building or structure.

7. Public Address System

Two Way Communication system is one of the basic requirements as per Indian Standards to be provided in every Commercial/Residential Buildings. This is to provide communication between occupants and the building security personnel in the event of emergency.

Toshali Industries have professionals equipped with design knowledge to design the system as per local norms & international standards.

8. Security & Survillance System (CCTV)

CCTV systems are widely used to monitor sensitive locations and areas like banks, military zones, IT parks, etc. Cameras are placed at strategic locations for surveillance. Toshali Industries have trained engineers to handle various types of CCTV including DVR and IP based CCTV systems.

9. Annual Maintenance Contract (AMC)

We are equipped with a team of professionally qualified and trained manpower to undertake maintenance & service contract for complete range of fire detection, fire protection and fire suppression system equipment and accessories

The AMC ensures longevity of Components, trouble-free operations and lower downtime. Further through AMC, we are responsible for maintaining final quality of treated effluent well subject to no change in design parameters. The services offered by us are carried out by our well-trained and highly skilled technicians at the clients sites. This facility is on the basis of 24 hours on call.

Fire Safety AMC Services

Our Social Responsibility

We at Toshali Industries (P) Ltd. Is committed in spreading the social awareness for fire safety by providing and sharing knowledge and our experiences on fire hazards and firefighting system to individual/community/business houses/corporates with an aim to protect life & property.

Our Clients

1	L & T Construction (RP Goenka International School), Kolkata
2	Chandra Hospital (Hospaccx India) Gangotri, Uttrakhand
3	Traumacare, Panikoili, Odisha
4	DRDO, Puri, Odisha
5	Powergrid Corporation, Angul, Odisha
6	Board of Secondary Education, Cuttack, Odisha
7	Institute of Pharmacy College, Cuttack, Odisha
8	DHH, Jajpur, Odisha
9	Moon Hospital, Cuttack, Odisha
10	Black Diamond, Angul, Odisha
11	Maithan Steel Limited, Jajpur, Odisha
12	B C Mohanty & Sons Pvt. Ltd., Jajpur, Odisha
13	Kasvi International Limited, Keonjhar, Odisha
14	Cambridge School, Cuttack, Odisha
15	Vedvyas House, Rourkela, Odisha
16	Bidwan College, Jajpur, Odisha
17	Gajapati College of Nursing, Ganjam, Odisha
18	Govt. Autonomous College, Rourkela, Odisha
19	KIDS Hospital, Bhubaneswar, Odisha
20	Adoreasia Hospital, Cuttack, Odisha
21	I-Hub, Infocity, Bhubaneswar, odisha
22	Monalisha Hospital, Talcher, Odisha
23	RIHS, Bhogarai, Balasore, Odisha
24	Odisha Adarsh Vidyalaya, Odisha
25	OHPC Building, Bhubaneswar, Odisha
26	Supreme & Co. Limited, Kolkata
27	Govt. College of Engineering, Keonjhar (IDCO), Odisha
28	MPH, Niladrivihar, Bhubaneswar, Odisha
29	Nandigosh Tv, Bhubaneswar, Odisha
30	Misrilall Mines Pvt. Ltd., Jajpur, Odisha
31	PRM Medical College Qtr., Baripada, Odisha
32	Interpretation Centre, Jajpur, Odisha

Your Safety, our Priority....

Toshali
Passion to Protect

TOSHALI INDUSTRIES (P) LIMITED

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