



# STANDARD FIRE SOLUTION PRESENTATION

***Trusted by Industry. Powered by Safety***

**Since 2010 | IATF 16949: Certified | Faridabad**

# About Us

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Founded in 2010

14+ Years of Excellence

Headquartered in Faridabad, Haryana

IATF 16949:2016 Certified

Specializing in Manufacturing, Supplying,  
and AMC

Products deployed across homes, offices, factories,  
institutions, vehicles, malls, and industries



# Our Vision, Mission and Goals



## Vision

To become India's most trusted and innovative fire safety brand by delivering certified, reliable, and cost-effective fire protection solutions, empowering industries, institutions, and communities to stay safe and compliant.

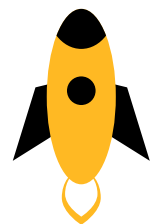
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## Mision

To provide reliable, durable, and high-performance fire safety equipment with uncompromised quality.  
Ensures On-Time Delivery.

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## Values

We value safety, quality, trust, and timely service — committed to protecting lives with certified, reliable fire solutions.

# CERTIFICATIONS



For any other communication

Address: Faridabad Branch Office-SCO 21, Sector 12, Faridabad, FARIDABAD,HARYANA,121007

Phone: 01292292175

Fax: 01292291860

E-Mail: firbo@bis.gov.in

Web: www.bis.org.in, www.manakonline.in

**BUREAU OF INDIAN STANDARDS**

Attachment to Licence No. CML- 2690162

| CML-No  | Name of the Licensee with the Factory Address                                                               | Name of the Product                                                      | Indian Standard No. |
|---------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------|
| 2690162 | Standard Fire Solution - PLOT NO.17, 18 and 19, Gali No. 8E, Saroorpur Industrial Area, Ballabgarh - 121004 | PORTABLE FIRE EXTINGUISHERS-PERFORMANCE AND CONSTRUCTION - SPECIFICATION | IS 15683 : 2018     |

Endorsement No. 6 Dated 22-May-2024

Whereas, the licence was valid upto First June Two Thousand Twenty Four.

Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 31-MAY-2024 has been extended from First June Two Thousand Twenty Four to Thirty First May Two Thousand Twenty Seven

Other terms and conditions of licence remain same.

Branch Head (Faridabad Branch Office)

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002, 9 Bahadur Shah Zafar Marg, DELHI,110002

Contact No: +91 11 23230131, 23233375, 23239402

Fax: +91 11 23234062, 232

Email: info@bis.gov.in

# PAN INDIA NETWORK

## Faridabad – HQ & Manufacturing Unit

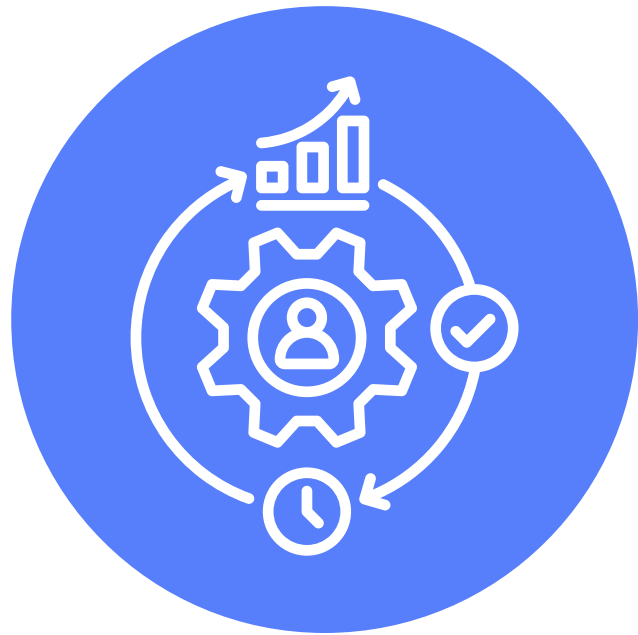
Warehousing Facility in India-

1. Punjab
2. Haryana
3. Uttar Pradesh
4. Uttarakhand
5. Jharkhand
6. Chhattisgarh
7. Rajasthan
8. Gujarat
9. Madhya Pradesh
10. Maharashtra
11. Goa
12. Karnataka
13. Bihar
14. Telangana
15. Delhi
16. West Bengal
17. Assam
18. Odisha
19. Kerala
20. Tamil Nadu



Standard Fire Solution – Trusted PAN India Fire Safety Partner

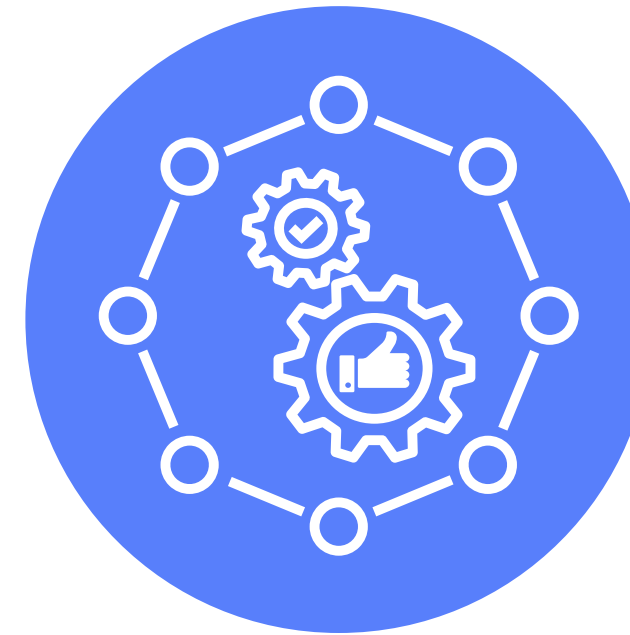
# PRODUCT TESTING & QUALITY ASSURANCE



**In-house  
Testing Lab  
with calibrated  
equipment**



**Detailed  
documentation and  
traceability as per  
IATF standards**



**Material strength  
analysis for all  
key components**



**Each unit tested for  
leakage, pressure  
tolerance, discharge  
range, and corrosion  
resistance**



**Our reputation is built on rigorous testing and strict quality standards.**

# WHY WE ARE INDUSTRY LEADERS?

-  **Premium Raw Material: Sourced from trusted vendors**
-  **Complete Testing: Each product is tested for pressure, leakage, performance, & durability**
-  **In-house Quality Team: Dedicated engineers & compliance officers**
-  **Punctual Deliveries & AMC Support: Ensuring lifetime fire protection**
-  **Customized Solutions: As per industrial needs & client-specific requirements**



🌟 **Our products not only comply – they outperform.**

# OUR AMC & SUPPORT SERVICES



**Annual  
Maintenance  
Contracts for  
extinguisher  
refilling &  
inspections**



**Scheduled site  
visits by trained  
fire technicians**

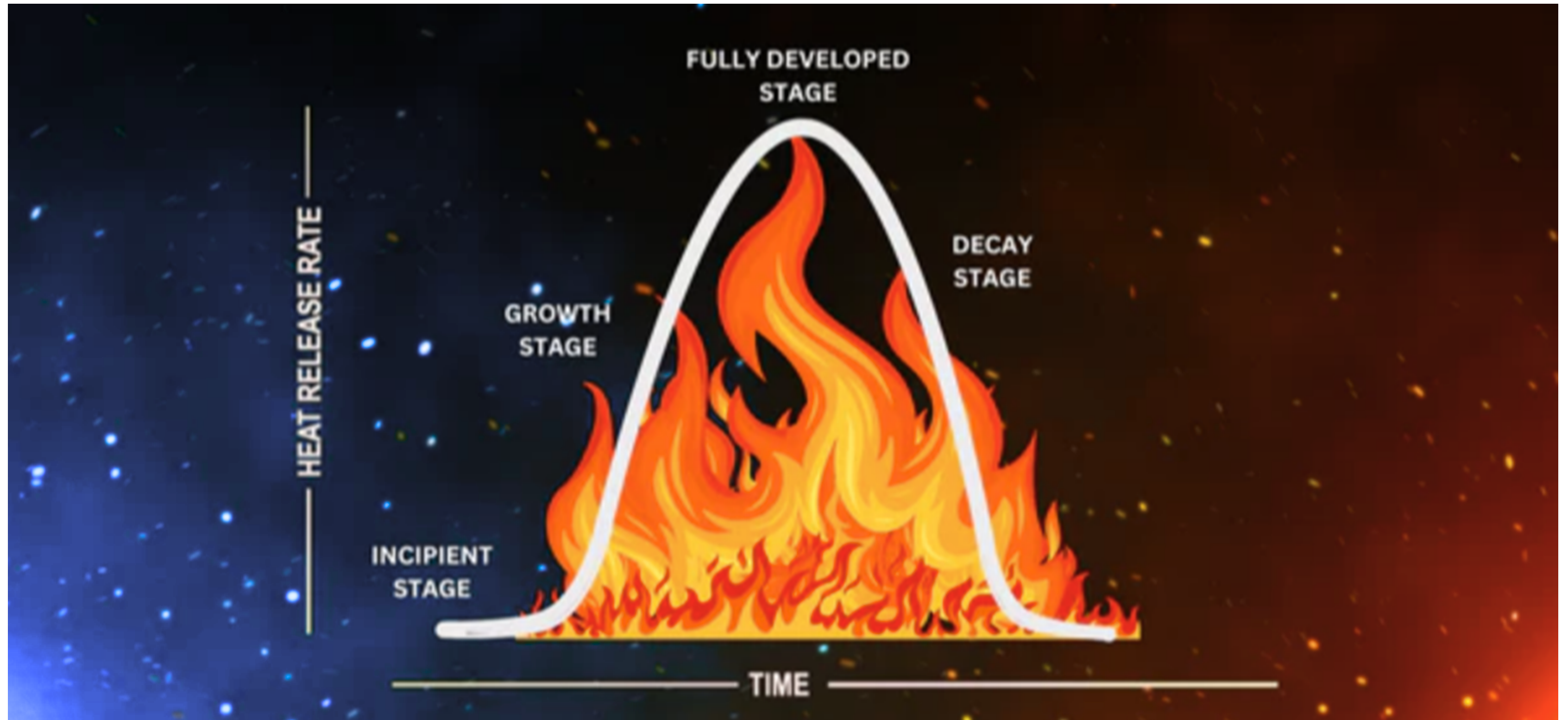


**On-site demo &  
training  
sessions for  
staff**



**Direct support  
via phone,  
email, or  
service visit**

# Different stages of Fire



# Classification of Fire :



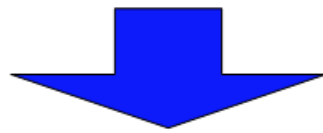
| Class Of Fire | Type Of Fire | Kind Of Material        | Examples                                          |
|---------------|--------------|-------------------------|---------------------------------------------------|
| A             | General      | Usually Solid Materials | Wood, Grass, Jute, Paper                          |
| B             | Oil          | Flammable Liquids       | Diesel, Petrol, Kerosene, Paint, thinner, Alcohol |
| C             | Gas          | Fire involving Gases    | LPG, CNG, CH <sub>4</sub> , H <sub>2</sub>        |
| D             | Metallic     | Metal                   | Magnesium, Zinc, Aluminum & other reactive metals |

# Fire Chemistry

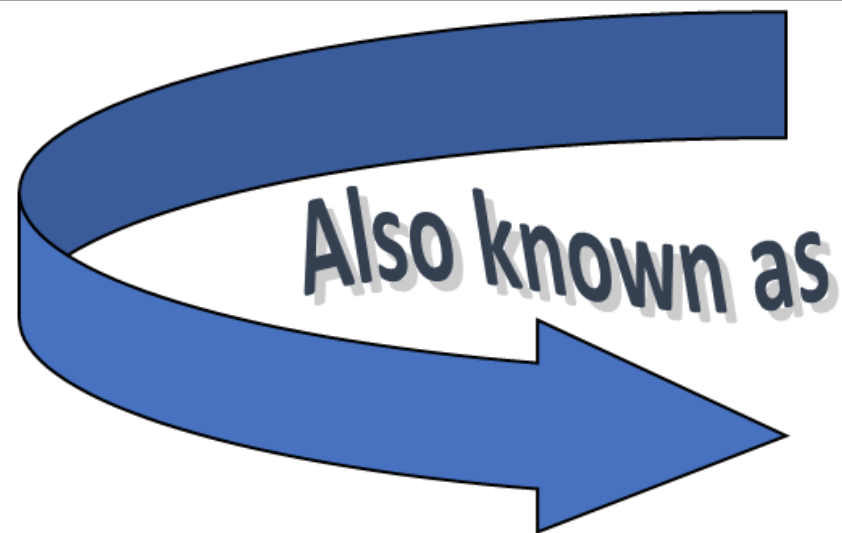
Self-sustaining rapid  
Oxidation of fuel  
which produces light,  
heat & combustion  
by-products

Combustion

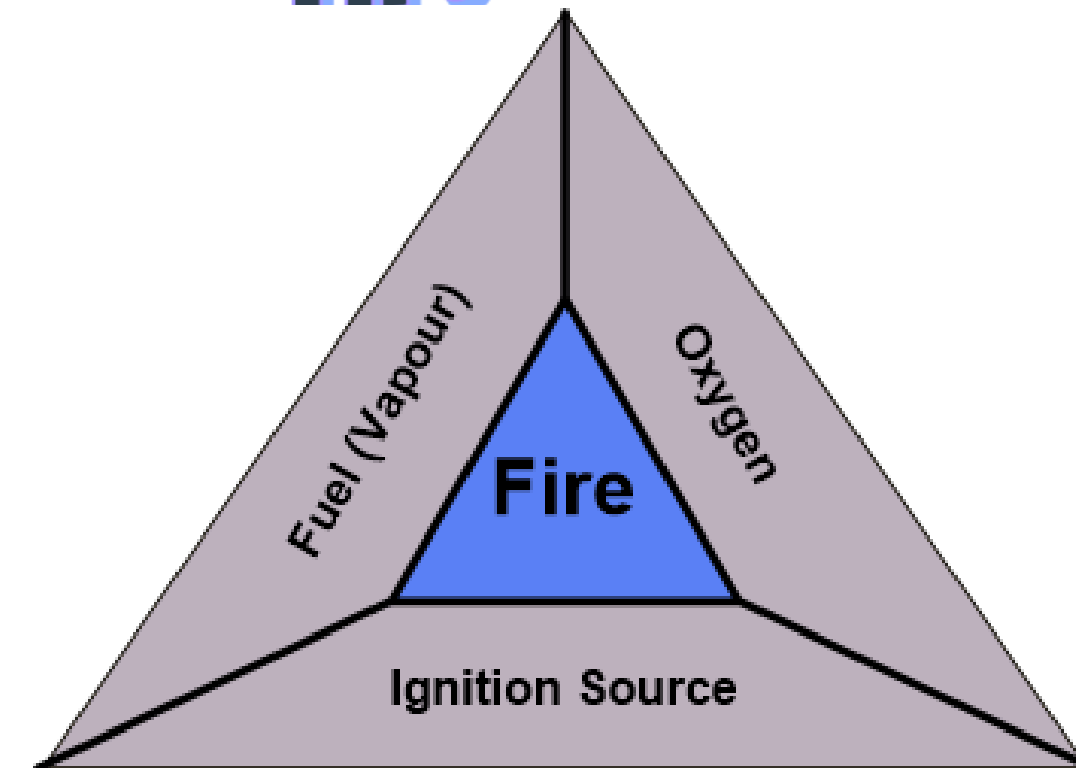
Fuel (Vapour) + Oxygen + Ignition Source



Heat + Light + Combustion by-products



## Fire Triangle



# Principles of Managing Fire Safety

## ✓ 1. Identify Fire Risks

Know what materials, machines, or processes can cause fire.

## ✓ 2. Remove or Reduce Hazards

Store flammable items safely and keep the surroundings clean.

## ✓ 3. Use the Right Fire Extinguisher

Match the extinguisher with the type of fire risk (ABC, CO<sub>2</sub>, Foam, etc.).

## ✓ 4. Maintain All Equipment

Regularly check fire extinguishers, alarms, and hydrants.

## ✓ 5. Train Your Staff

Everyone should know how to use fire extinguishers and evacuate safely.

## ✓ 6. Create a Fire Safety Plan

Have clear rules for prevention, emergency response, and escape routes.

## ✓ 7. Appoint Fire Safety Personnel

Assign a trained person to inspect and report on fire safety on a regular basis.

## ✓ 8. Keep Exits & Pathways Clear

Never block emergency exits, stairs, or corridors.

## ✓ 9. Display Safety Signs & Instructions

Use glow signs and boards to guide during emergencies.

## ✓ 10. Review & Improve

Check your fire safety plan every 6–12 months and update if needed.

# Sequence of Extinguisher Operation

To operate an extinguisher:

**P**ull

**A**im

**S**queeze

**S**weep

① **P**ULL the pin

② **A**IM  
nozzle  
at base  
of fire

③ **S**QUEEZE  
the handle

④ **S**WEEP nozzle  
side to side

Know your extinguisher

Use the correct extinguisher

*(Check your own extinguisher's label  
for detailed instructions.)*



# Types of Fire Extinguishers

- **Powder-based fire extinguishers for Classes A, B & C fires**
- **Water-based fire extinguishers for Class A fires**
- **CO2-based fire extinguishers for Class B and electrical fires**
- **Foam-based fire extinguishers for Class A and B fires**
- **Clean Agent type fire extinguishers for Classes A, B, C & electrical fires**
- **Water Mist type fire extinguishers for Classes A, B, C, F & electrical fires**

# Product Range

- 1. Fire Extinguishers ABC Type Capacities- 1kg, 2kg, 4kg, 6kg, 9kg, 25kg, 50kg & 75kg**
- 2. Fire Extinguishers BC Type Capacities- 9kg, & 50kg**
- 3. Fire Extinguisher Mechanical Foam Type Capacities- 9ltr & 45ltr.**
- 4. Fire Extinguishers CO2 Type Capacities- 4.5kg, 9kg, 22.5kg & 45kg.**
- 5. Fire Extinguishers Water Type Capacities- 9ltr & 45ltr.**
- 6. Fire Extinguisher Water Mist Type 9ltr & 45ltr.**
- 7. Fire Extinguisher Clean Agent Type Capacities- 6kg.**
- 8. Hose Reel**
- 9. Couplings**
- 10. Landing Valve**
- 11. Branch pipe**

# Product Range

| Sr. No. | Test Specification (as per Indian Standard) | Testing Source |
|---------|---------------------------------------------|----------------|
| 1       | Resistance to Temperature Change            | Inhouse        |
| 2       | Resistance to Impact                        | Inhouse        |
| 3       | Resistance to Vibration                     | Inhouse        |
| 4       | External Corrosion Test                     | Inhouse        |
| 5       | Tapping Test                                | Inhouse        |
| 6       | Pressure Cycle Test                         | Inhouse        |
| 7       | Leakage Test                                | Inhouse        |
| 8       | Crushing Test                               | Inhouse        |
| 9       | Hydro Testing                               | Inhouse        |
| 10      | Impact Test                                 | Inhouse        |
| 11      | Effective Discharge Time & Bulk Range of    | Inhouse        |

# Product Specification

| Sr. No. | Fire Extinguisher Type                                                                           | Specification                                                               |
|---------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 1       | <b>Fire Extinguisher ABC Type -</b><br>Extinguishing Media:<br>Operating Temp.:<br>Type of Fire: | Dry chemical powder (MAP)<br>-30°C to +60°C<br>"A", "B" & "C" Classes       |
| 2       | <b>Fire Extinguisher BC Type-</b><br>Extinguishing Media:<br>Operating Temp.:<br>Type of Fire:   | Dry chemical powder (BC Type powder)<br>-30°C to +60°C<br>"B" & "C" Classes |
| 3       | <b>Fire Extinguisher Foam Type-</b><br>Extinguishing Media:<br>Operating Temp.:<br>Type of Fire: | AFFF<br>+5°C to +60°C<br>"A" & "B" Classes                                  |
| 4       | <b>Fire Extinguisher CO2 Type-</b><br>Extinguishing Media:<br>Operating Temp.:<br>Type of Fire:  | CO2<br>-10°C to +60°C<br>"B" Class & Electrical Fire                        |

| Sr. No. | Fire Extinguisher Type                                                                                  | Specification                                                               |
|---------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 5       | <b>Fire Extinguisher Water Type-</b><br>Extinguishing Media:<br>Operating Temp.:<br>Type of Fire:       | Water<br>+5°C to +60°C<br>"A" Class                                         |
| 6       | <b>Fire Extinguisher Water Mist Type-</b><br>Extinguishing Media:<br>Operating Temp.:<br>Type of Fire:  | Water Mist<br>+5°C to +60°C<br>"A","B", "C" & "F" Classes & Electrical Fire |
| 7       | <b>Fire Extinguisher Clean Agent Type-</b><br>Extinguishing Media:<br>Operating Temp.:<br>Type of Fire: | HFC<br>-10°C to +60°C<br>"A", "B" & "C" Classes & Electrical Fire           |

# Industry Standards & Fire Safety Compliance

We follow key national & global standards:

NFPA, IS, TAC, OISD, NBC

(adopted as part of Corporate SHE Standards)

- ◆ Mandatory clauses (in italics) must be followed at all plant locations.
- ◆ Any confusion about mandatory vs non-mandatory should be clarified with Corporate SHE.
- ◆ All safety systems are aligned with the latest certified guidelines and legal norms.

# IS 2190 – Life of Fire Extinguishers

**ANNEX F**  
*(Clauses 12.2.1)*

**LIFE OF FIRE EXTINGUISHERS**

| <i>Sl No.</i> | <i>Type of Extinguisher</i> | <i>Life Time,<br/>Year</i> |
|---------------|-----------------------------|----------------------------|
| i)            | Water type                  | 10                         |
| ii)           | Foam type                   | 10                         |
| iii)          | Powder type                 | 10                         |
| iv)           | Carbon dioxide              | 15                         |
| v)            | Clean agent                 | 10                         |

**NOTES**

- 1** Life of extinguishers shall be considered from date of manufacture of extinguishers.
- 2** In case of failure in hydraulic pressure testing, extinguisher shall be rejected immediately before the life time given above.

# Type of Portable Fire Extinguisher:



| Fire Type         |                                                           | Powder | Foam | CO <sup>2</sup> | Water | Wet Chemical |
|-------------------|-----------------------------------------------------------|--------|------|-----------------|-------|--------------|
| <b>CLASS A</b>    | <b>Solids</b><br>(e.g. wood, plastic, paper)              | ✓      | ✓    | ✗               | ✓     | ✗            |
| <b>CLASS B</b>    | <b>Flammable Liquids</b><br>(e.g. solvents, paint, fuels) | ✓      | ✓    | ✓               | ✗     | ✗            |
| <b>CLASS C</b>    | <b>Gases</b><br>(e.g. butane, propane, LPG)               | ✓      | ✗    | ✗               | ✗     | ✗            |
| <b>CLASS D</b>    | <b>Metals</b><br>(e.g. lithium, magnesium)                | ✓      | ✗    | ✗               | ✗     | ✗            |
| <b>ELECTRICAL</b> | <b>Equipment</b><br>(e.g. computers, servers, TVs)        | ✓      | ✗    | ✓               | ✗     | ✗            |

# PVC Coated Galvanized Iron Sheets

Our aluminium sheets come with a durable PVC protective layer for enhanced surface protection, corrosion resistance, and aesthetic appeal. Backed by our years of industrial experience and modern manufacturing setup in Faridabad.



- ✓ Material: High-grade GI aluminium
- ✓ Coating: White or custom-colored PVC film
- ✓ Thickness: 0.5mm to 1.2mm (customizable)
- ✓ Width: Standard and custom sizes available
- ✓ Finish: Matte, glossy, or textured
- ✓ Uses: Ducting, cladding, pipeline wrapping, HVAC
- ✓ Packaging: Protective film-wrapped coils for bulk transport
- ✓ MOQ: Suitable for both low and high volume orders

## Industries & Use-Cases:

 Bus Body |  Industrial & Machine Cladding |  Fireproof Enclosures & Panels |   
Construction & Insulation Projects |  Chemical Room Surface Protection |  Commercial Building Refits

# Our Valued Customers

## Automobile & Commercial Vehicle Manufacturers

TATA Motors Ltd.

- Lucknow
- Pune
- Jamshedpur
- Panthnagar

TATA Motors Passenger Vehicles Ltd.

- Sanand
- Pune

TATA Motors Body Solutions Pvt. Ltd.

- Dharwad
- Lucknow

TATA Motors Electric Vehicles (EV Division)

- Pune
- Sanand (EV production line)
- Dedicated R&D support for EV fire safety compliance

- FIAT India Automobiles Pvt. Ltd. – Pune
- SML ISUZU Ltd. – Punjab
- CNH Industrial India Pvt. Ltd. – Pune
- Automobile Corporation of Goa Ltd. – Goa
- AUDI Automobiles Pvt. Ltd. – Pithampur (MP)

## Coach Builders & Bus Manufacturers

- PMI Coaches Pvt. Ltd. – Dharuhera
- Sita Singh & Sons Pvt. Ltd. – Faridabad
- Kamal Coaches Works – Rajasthan
- JCBL – Mohali
- Rajasthan Coach Builders Pvt. Ltd. – Pithampur (MP)

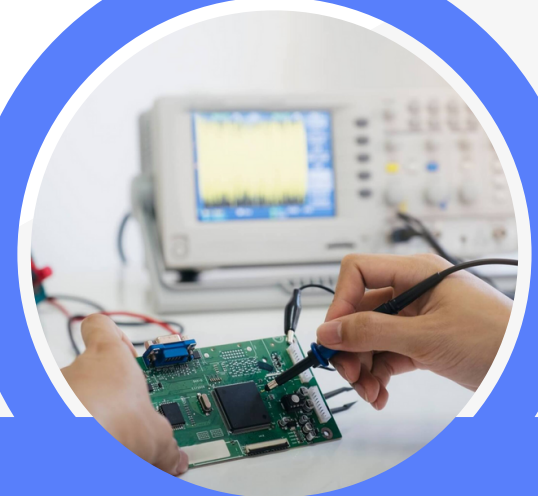
## Government & Infrastructure

- NDMC – New Delhi
- NHPC – Faridabad
- BPTP – Faridabad

# COMMITMENT TO EXPANSION & INNOVATION



**Plans for advanced  
automation in  
production**



**Integration with smart  
IoT-based safety  
devices in the future**



**Land procured for  
future expansion**



**Focus on eco-friendly,  
sustainable  
extinguishing  
technologies**



**Let's build a safer tomorrow — together.**

**Thank you**

We invite you to join us on this journey toward a sustainable future, where we not only build structures but also lay the groundwork for a healthier planet and prosperous communities.



Plot No. 17,18,19 Gali No. 8 (East),  
Saroorpur Industrial Area,  
Faridabad, Haryana-121005



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