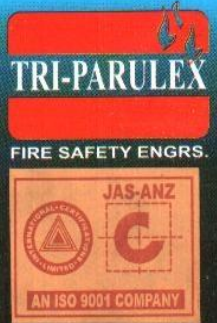


Every year fire causes irrecoverable damage  
to life, property and business.



**Don't become part of the statistics.**

Become part of **TRI-PARULEX**

**To protect fire risk with right solutions**

**TRI-PARULEX FIRE PROTECTION SYSTEMS**



# **TRI – PARULEX FIRE PROTECTION SYSTEMS**

**AN  
ISO 9001:2000  
CERTIFIED COMPANY**

# Registration Schedule

*This schedule accompanies International Certifications Limited Registration Certificate having the number detailed below. It details the scope of the assessment, and outlines the activities, operations and/ or products that have been the subject of assessment.*

## **Company Name**

Tri-Parulex Fire Protection Systems

## **Registration certificate no.**

14356.04

## **Standard**

ISO 9001:2000

## **Registered site(s)**

610-A, Ansal's Satyam Complex,  
Rdc, Ghaziabad (U.P.)  
INDIA

## **Scope of registration**

Designing and Supply of Fire Protection System

## **ANZSIC code**

2769

## **NACE code**

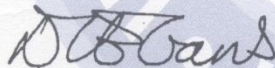
28.759

## **SIC code**

3494

## **Registration period**

24 February 2004 to 19 February 2007



24 February 2004

Managing Director

Date

This schedule and the certificate it accompanies remain the property of International Certifications Limited and must not be altered or defaced in any way. They must not be copied in whole or in part without the written permission of the managing Director of ICL. Deliberate misuse of the certificate or schedule will result in cancellation without notification.

Issued by International Certifications Ltd, Auckland, New Zealand.

# Registration Certificate

*This is to certify that the  
Management Systems of*

*Tri-Parulex Fire Protection Systems*

*have been assessed by  
International Certifications Ltd  
and found to comply with the requirements of*

**ISO 9001:2000**

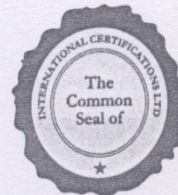
*D. B. Gans*

74356.04

Managing Director

Certificate Number

JAS-ANZ



*Accreditation by the Joint Accreditation System of Australia and New Zealand, Acc No. S1400594NA.  
The scope of registration is defined on the Registration Schedule that accompanies this certificate.*



**WE ARE AUTHORIZED  
DISTRIBUTOR &  
INSTALLER OF BOC FS125**

**NAF S125(HALOCARBON BASED CLEAN  
AGENT)**

**UL LISTED FIRE SUPPRESSION  
SYSTEMS  
FOR ALL OVER INDIA**



BOC India Limited  
"Delectra" 6th Floor  
Plot No. 2, Sector - 11  
C.B.D., Badli  
New Mumbai - 400 614

Phone : 2756 3552/3584/3571/3578  
Fax : (91) (22) 2756 3569

Date: 7<sup>th</sup> July, 2006

To,  
M/s Tri-Parulex Fire Protection Systems  
309-310, Ansal's Sumedha Complex,  
Rajnagar District Centre, Ghaziabad,  
Utter Pradesh, India-201001

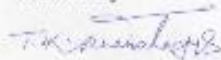
**Subject: Appointment as a Distributor and Authorized Installer  
for UL Listed BOC FS125 Fire Suppression System for India  
Territory.**

Dear Sir,

Further to our agreement , We hereby take pleasure to appoint M/s Tri-Parulex Fire Protection Systems having their registered office at 309-310, Ansal Sumedha, Complex, Rajnagar District Centre, Ghaziabad, Utter Pradesh, India-201001 as our Distributor and authorized Installer for our UL Listed BOC FS125 ( NAF S125) Fire Suppression Systems for India Territory for a period of 2 years from 1<sup>st</sup> May 2006.

Wishing you for a bright business growth in future,

Yours truly



T K Bhattacharyya

National Sales Manager- SP



## About Us

Tri Parulex fire protection Systems have more than 12 years of practical fire engineering experience in helping to protect people & properties from fire.

It was established in Ghaziabad in 1996 jointly by Mr. R. B. Singh ,and Mr. S.K. Singh. He worked with Matther & Platt Ltd. For 10 years in different capacities from project Engineer to Manager. Under his leadership various projects ,such as deluge system, fire alarm, and CO2 were designed & executed for various industry installation needs.

Today the company has grown and has become multi systems, multi Products, multi location engineering company with outstanding track records, in undertaking high value turnkey contract in Fire Detection & Alarm system & Fire Protection system.

Today the company practices stringent quality standards and have uncompromising commitment towards complete customer satisfaction. We also have achieved quantum growth in business and are now emerging as one of the leading market players in the country.



Tri- Parulex has their separate design & engineering department staffed with qualified engineers and headed by senior management personnel having thorough knowledge of national and international design codes such as NBC, TAC, NFPA, FM etc., equipped with latest design software as Auto Cad etc.

Tri Parulex have efficient project management department monitored by MD himself for complete customer satisfaction and to ensure timely completion of the job.

Company has adequate qualified project man power that is fully empowered to take the decision and get the job done.

The company job is not finished once the system is installed & commissioned . It has a comprehensive servicing, testing & upgrading capability which ensure to our prestigious customers that the installation will continue effectively for the years to come.

We have been serving many reputed clients/consultants in India since last more than of 12 years. Some of them are Airport Authority of India (AAI), CPWD, PWD, Bharat Petroleum corporation Ltd., HPCL, Food corporation of India(FCI), Council of scientific & industrial research (CSIR), BSNL etc. throughout India.



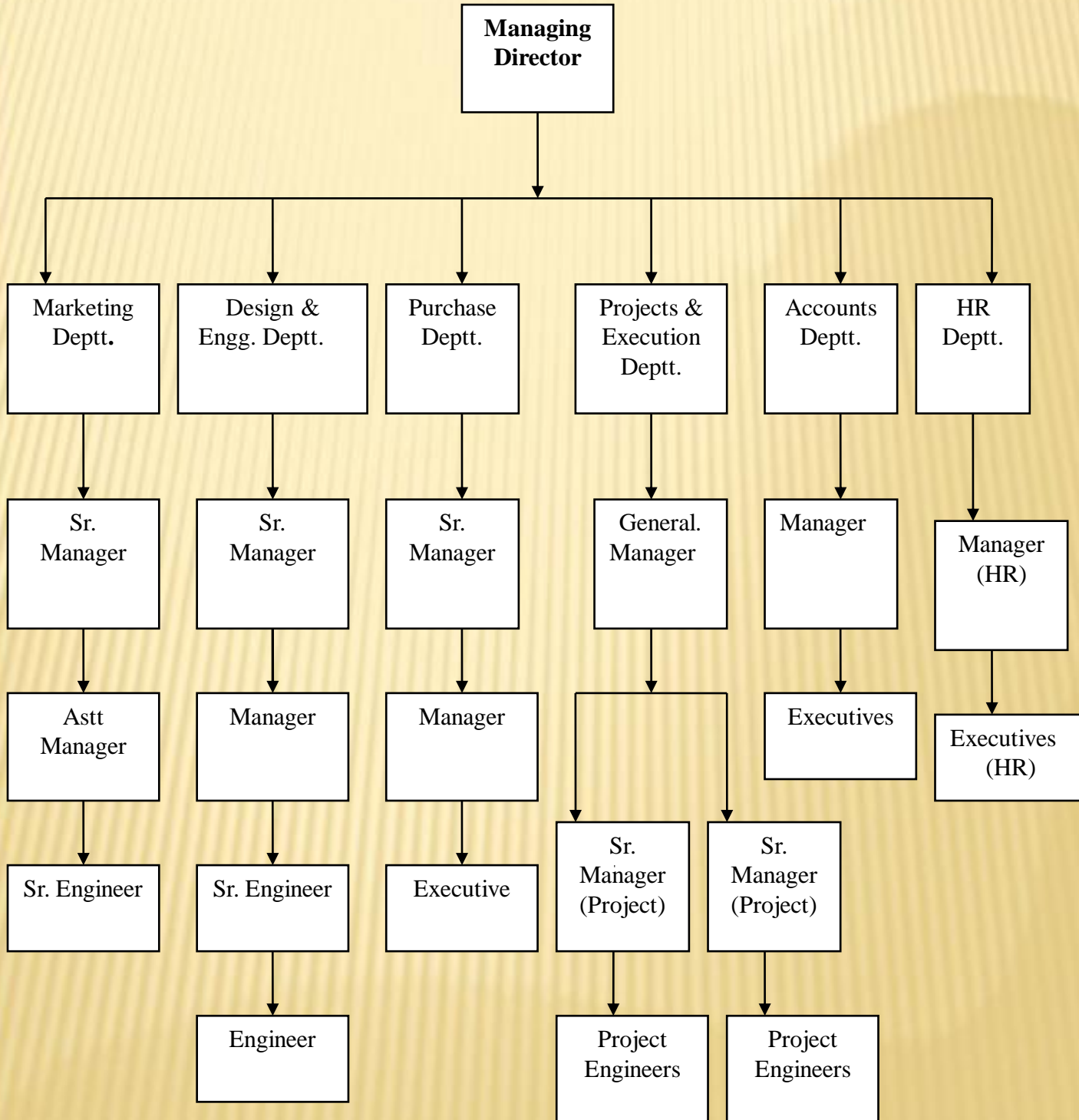
<b>Company's Name</b>	<b>Tri- Parulex Fire Protection Systems</b>
Registered office & Mailing Address:	<p>3<sup>rd</sup> Floor, 309, Ansal's Sumedha Complex, RDC, Rajnagar, Ghaziabad-(U.P.) Pin-201001 0120-2826123/2825126 Fax No.-0120-2822313 Email Id- <a href="mailto:info@triparulexfire.com">info@triparulexfire.com</a>/ <a href="mailto:mkt@triparulexfire.com">mkt@triparulexfire.com</a> <b>Website-<a href="http://www.triparulexfire.com">www.triparulexfire.com</a></b></p>
Delhi Office:	<p>206, Dhaka chamber-I, 1655/35, Naiwala Karol Bagh, New Delhi-110005 Mb.- 09212670264</p>
Pune Office:	<p>Gate No. 905,(1) Salunkhe Empire Flat No.14,BLDG. "A"Kundalwadi, Chinkhali,Pune-412114</p>
JamshedPur Office	<p>79 Tata lines, Golmudi Jamshedpur ,(Jharkhand) 0654-6540159 09204069918</p>

<b>Company's Name</b>	<b>Tri- Parulex Fire Protection Systems</b>
Jaipur office (Rajasthan)	9, Gaurav Nagar, Ground floor, Civil lines, Jaipur, Rajasthan Pin-302006
Dharwar ( Karnataka)	Upstair, Jannat Nagar,6 <sup>th</sup> Cross Irani colony Toolnaka Dharwad, Karnataka Pin-580001

## LIST OF KEY PERSONNEL:

Sr. No.	Name Of the Person	Designation	Experience	Association with company
1.	Mr. R. B. Singh	Director	25	13
2.	Mr. S. k. Singh	Director	22	13
3.	Mr. V.S. Dwivedi	GM (Projects)	23	3
4.	Mr. P. D. Patel	Sr. Manager ( Design)	8	7
5.	Mr. Kapil chaudhary	Manager ( HR)	12	8
6.	Mr. Tarun Chaudhary	Astt. Manager (Design )	8	8
7.	Mr. Sunil Kumar	Manager (Projects)	15	10
8.	Mr. T. V. Teotia	Manager ( Purchase)	18	10
9.	Mr. Nitin Sidhu	Astt. Manager (Projects)	8	8
10.	Mr. Atul Kumar	Manager	15	7
11.	Ms. Seema Agrawal	Sr. Executive-Accounts	07	3
12.	Mr. Manoj Pandey	Astt. Manager (Mktg.)	02	2
13.	Mr. Manoj Srivastav	Sr. Engineer (Mktg)	02	2

# ORGANIZATION CHART



# INFRASTRUCTURE

**Marketing Division**

**Design & Engineering division**

**Purchase & Quality Control Division**

**Project Mgmt. & Site Execution Division**

**Commercial Division**

**H.R. Division**

## Marketing Division

Our Marketing division is headed by Experienced personal and young team of professionally qualified engineers carrying responsibility to understand the needs of the customer and provide perfect solution accordingly

## Design & Engineering Division

Our Design division is headed by well qualified and experienced personal and supported by specialized team of engineers having exposure to the latest national and international fire protection standards (NFPA) codes, data & specifications. Our design division is equipped with latest computer peripherals and software.

Our design division shows full commitment towards the fulfilment of the needs of the customers.

## R&D Division

### **Manufacturing Facilities:**

Our manufacturing facilities mainly involves fabrication, conforming to latest technologies and high standard quality procedures. The various range of fire protection accessories are being manufactured at our manufacturing units.

### **Research & Development:**

we are continuously in process of updating ourselves on latest fire protection technologies and developments through participation in various seminars and training programs.

## Purchase & Quality Control Division

Our purchase & QC division is headed by professionally qualified & experienced personnel. We have our separate quality manual that covers the complete quality plan. The quality plan covers material specification, supplier interaction, inward quality check, In process quality check, final quality check, as per relevant standards.



## Erection & Supervision Division

- ❖ We have competent team of skilled staff for erection and supervision of fire protection systems.
- ❖ The team consists of Project managers, Project engineers, supervisors
- ❖ We have latest tools and tackles for erection .

## Project Management Division:

- ❖ Tri Parulex have efficient project management department monitored by MD himself for complete customer satisfaction and to ensure timely completion of the job.
- ❖ Company has adequate qualified project man power that is fully empowered to take the decision and get the job done.

## **Services & Solution we offer:**

### **Services we provide**

- ❖ Hazard Analysis / Assessment & Customized Fire Protection Solutions
- ❖ Free risk Survey
- ❖ Risk Analysis
- ❖ Consultancy & Training
- ❖ System Design & Engineering
- ❖ Equipment procurement & Supply
- ❖ Installation & Commissioning
- ❖ Monitoring & Ongoing Maintenance

### **Solution We offer:**

- ❖ Hydrant & sprinkler System
- ❖ Medium & high velocity water spray system
- ❖ Foam system
- ❖ Intelligent addressable fire detection & alarm system
- ❖ Low Pressure carbon Dioxide System.
- ❖ High pressure carbon dioxide System
- ❖ Clean agent based fire extinguishing system



- ❖ Nitrogen Injection & Prevention system for Transformers.
- ❖ Access Control System & CCTV System
- ❖ Public Address System
- ❖ Rat Repellent System.



# ABOUT SYSTEMS

# CO<sub>2</sub> FLOODING SYSTEM:



## CO<sub>2</sub> FLOODING SYSTEM:

- High Pressure system
- The Co<sub>2</sub> is stored in cylinder at 850 PSI at 21C temperature.
- Low Pressure System:
- The Co<sub>2</sub> is stored in an insulated pressure vessel and maintained at a pressure of 300 PSI at 18C temp.

The Co<sub>2</sub> extinguish the fire by reducing the oxygen by content of the protected extreme density of the Co<sub>2</sub>, It quickly effectively extinguishes the fire and leaves no residue after usage.

### **Application:**

- Transformers
- Power generators
- Machinery spaces
- Ships holds
- Electrical Equipments
- Chemical Equipments.

## **BOC FS125 FIRE SUPPRESSION SYSTEM:**

The BOC FS125 system is a 42 bar system in which NAFS125 is stored in container and super pressurized up to 42 bar by nitrogen, providing greater flexibility for design.

It is designed by UL Listed software to ensure accuracy and max. efficiency.

Has better extinguishing performance compared to Low pressure systems.

Can travel more distance compared to low pressure systems.  
system discharge Time -10 seconds

### **Application:**

- Computer rooms
- Libraries, Archives
- Server/Data Storage Rooms
- Laboratories
- Petrochemical, Offshore
- Airports, Train, Stations.
- Hospitals

## AUTOMATIC HYDRANT WET RISER SYSTEM:

- ✘ Basic Fire Protection system provided to protect entire Plant /Building/Risk.
- ✘ The System comprises of network of under ground & above ground piping through out the protected area, provided with the hydrants/water monitors at strategic locations.
- ✘ System is pressurized with water using pumps and connected to a reliable source of water.





## HIGH VELOCITY WATER SPRAY SYSTEM:

- ✘ High velocity water spray systems are installed to extinguish fires involving liquids with flash points 65C (150F) or higher.
- ✘ High velocity water spray system is to protect Transformers.
- ✘ The system comprises of network of underground and above ground piping, control valve( Deluge Valve), sprinkler bulb detectors, water spray nozzles/Projectors.
- ✘ System is pressurized with water up to below the control valve ( deluge valve ) using pumps and connected to a reliable source of water supply. The piping network above the control valve remains empty consisting open spray nozzles/projectors.

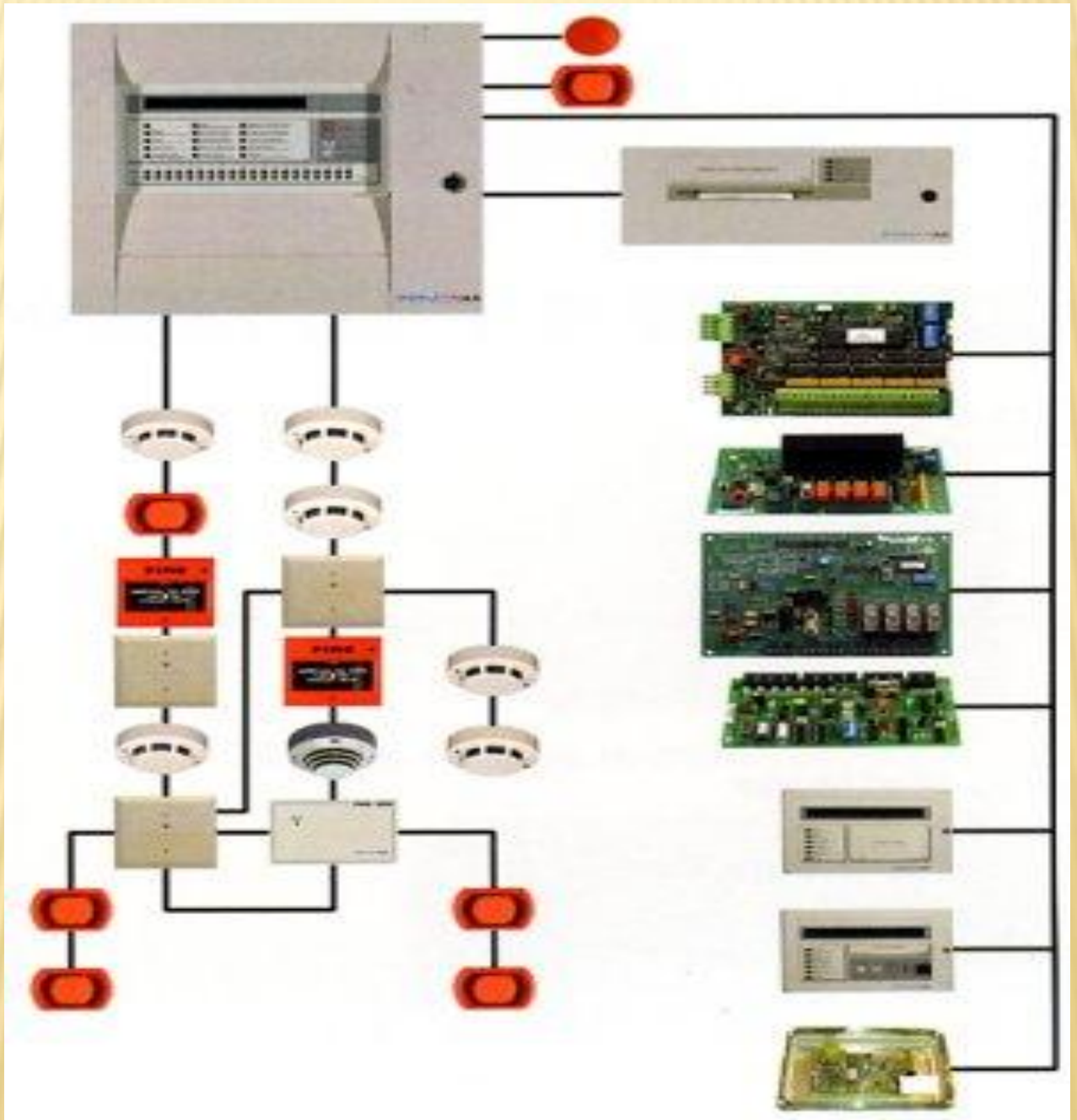


## MEDIUM VELOCITY WATER SPRAY SYSTEM

- ✘ Medium velocity water spray system to protect cable gallery, machinery , conveyors, LPG bullets, NH<sub>3</sub> storage tanks, oil storage tanks, and other similar applications.
- ✘ The system comprises of network of underground and above ground piping, control valve( Deluge Valve), sprinkler bulb detectors, water spray nozzles/Projectors.
- ✘ System is pressurized with water up to below the control valve ( deluge valve ) using pumps and connected to a reliable source of water supply. The piping network above the control valve remains empty consisting open spray nozzles/projectors.



# AUTOMATIC ADDRESSABLE FIRE DETECTION & ALARM SYSTEM



# AUTOMATIC ADDRESSABLE FIRE DETECTION & ALARM SYSTEM

- ✘ Automatic addressable Fire Detection system consists the wide range of detectors and panels . The detectors senses cause of fire and then gives the signal through the alarm system.

Detectors Non Addressable type & Addressable type

- ✘ VESDA aspirating System.
- ✘ Smoke Detectors ( Ionization/Photo/Optical.
- ✘ Heat Detectors (Fixed Temp/Rate of rise cum fixed temp.)

Special Detectors:

1. Smoke & Heat Combined Detector
2. Linear Heat sensing cable
3. Laser Detector
4. Beam Detector
5. UV-Detector
6. IR-Detector

## AUTOMATIC FOAM FLOODING SYSTEM:

### ✘ **Conveying Systems**

- ✘ The system consists of an adequate water supply, supply of foam concentrate, suitable proportioning equipment, a proper piping system, foam makers and discharge devices designed to adequately distribute the foam over the hazard.
- ✘ Conventional systems are of the open outlet type in which foam discharges from all outlets at the same time, covering the entire hazard within the confines of the system

### **Foam System Components**

- Inductors
- Foam makers
- Foam pourers
- Foam Tanks
- Foam Compounds

## PUBLIC ADDRESS SYSTEM:

- A **public address** or "PA" system is an electronic amplification system with a mixer, amplifier and loudspeakers, used to reinforce a given sound, *e.g.*, a person making a speech, prerecorded music, or message, and distributing the sound to the general public around a building.
- The Amplifier is used to increase the level of the electrical signal from the sound source so that it can be heard at sufficient volume from loudspeaker.
- A Mixer is used to add the sound together so that a single signal can be sent to the amplifier.



## ACCESS CONTROL SYSTEM:

**Access control** is the ability to permit or deny the use of a particular resource by a particular entity. Access control mechanisms can be used in managing physical resources (such as a movie theater, to which only ticket holders should be admitted), logical resources (a bank account, with a limited number of people authorized to make a withdrawal), or digital resources (for example, a private text document on a computer, which only certain users should be able to read) Access control system can be card based, Finger print based or both.

### **Accessories:**

- Main controller
- Two door controller
- Four door controller
- Multi door controller
- Reader
- EM Lock
- Cables & Power Supply
- Access Cards

## CCTV SYSTEM:

- ✘ **Closed-circuit television (CCTV)** is the use of video cameras to transmit a signal to a specific place, limited set of monitors. It differs from broadcast television in that the signal is not openly transmitted, though it may employ point to point wireless links. CCTV is often used for surveillance in areas that may need monitoring such as banks, casinos, airports, military installations and convenience stores.
  
- ✘ Accessories:
  - ✘ Camera
  - ✘ DVR
    - PC Based DVR Card
    - Non PC Based DVR ( Stand Alone)



## Tools Tackles & Testing Equipment

❖ Transformer Welding Machine	-- 20 Nos.
❖ Rectifier Welding Machine	-- 08 Nos.
❖ Grinder Machine	-- 09 Nos.
❖ Angle Grinder Machine	-- 11 Nos.
❖ Gas Cutter Set	-- 09 Nos.
❖ Chain Pulley Block 2 Ton	-- 05 Nos.
❖ Chain Pulley Block 1 Ton Cap.	-- 04 Nos.
❖ Compressor Machine	-- 03 Set.
❖ Standard D & Ring Spanner Set	-- 03 Set.
❖ Hydraulic Test Pumps Hand Operated	-- 04 Set.
❖ Holiday Testing Machine For Wrapping Coating Of Underground Pipes.	-- 02 Set.

## WE ARE REGISTERED WITH:

- × PWD
- × CPWD
- × PDIL
- × PowerGrid ( Registration Under Process)
- × BHEL (Registration Under Process)
- × NTPC ( Registration Under Process)

## List Of Major Industrial Project Executed:

Sr. No.	Name of clients	Location	Fire Protection System Provided
1.	Gujrat Heavy Electrical & Chemical Ltd.	Noida	Automatic Fire Hydrant & Wet Riser system.
2.	Samtel Color Ltd.	Ghaizabad	Automatic fire alarm, Gas detection system, CO2 flooding system & Medium velocity water spray system.
3.	Jindal Stainless Ltd. ,Hisar – Haryana.	Hisar, Haryana	Medium velocity water spray system.
4.	Tata Motors Ltd. Singur	Singur	Fire Hydrant system, Co2 flooding system
5.	Bajaj Hindusthan Ltd.	Noida	Fire hydrant system.

6.	Bajaj Eco-Tec Products Limited	Noida	Fire Hydrant system,
7.	Continental Carbon India ltd.	Ghaziabad	Fire Hydrant system
8.	Connect International Ltd.	Noida	Fire Hydrant system, Sprinkler system, Fire Alarm & Detection system.
9.	EPFO, Building Dwarika	Gurgaon	Automatic Fire detection & Alarm System.
10	Tata Motors Limited	Rudrapur, U.P	Fire hydrant ,Co2 Flooding

## LIST OF INDUSTRIAL PROJECTS UNDER EXECUTION

Sr. No.	Name Of Project	Location	Fire Protection System Provided
1.	Tata Motors Ltd.	Rudrapur	Fire hydrant system, Co2 Flooding system
2.	Tata Motors Ltd.	Pune	Fire hydrant system
3.	Tata Motors Ltd.	Jamshedpur	Fire hydrant system, MVW Water spray system.
4.	Tata Motors Ltd.	Dharwad	Hydrant System,
5.	National Thermal Power corporation	BadarPur	Fire Alarm System

## LIST OF MAJOR BUILDING PROJECT EXECUTED:

<b>Sr. No.</b>	<b>Name Of Project</b>	<b>Location</b>	<b>Fire protection system provided</b>
<b>Residential Apartment:</b>			
1	Lagoon luxury Housing complex	Delhi	Hydrant system, Sprinkler system Fire alarm & Detection System
2	Bharat Petroleum Group housing complex	Faridabad	Hydrant system, Wet riser system, Fire alarm & detection System
3	CRPF Transit Hostel	New Delhi	Hydrant system, Wet riser Fire alarm & Detection System.
4	NAA, Old Jawaharlal Nehru University Campus	New Delhi	Hydrant System, fire Alarm & detection System.
5	BPCL housing complex	Jhansi	Hydrant System, fire Alarm & detection System.

## Offices & Commercial complexes:

1.	Town Hall Building	Chandigarh	Hydrant System, fire Alarm & detection System.
2	S.D.F Blocks NEPZ	Noida	Hydrant System, Sprinkler system, fire Alarm & detection System.
3	GPO Building (CPWD)	Agra	Hydrant System, Sprinkler System
4.	Commercial complex , Naraina Manzil Barakhamba Road.	New Delhi	Hydrant System, fire Alarm & detection System.
5.	Ambience Industries	Gurgaon	Hydrant System, wet riser , sprinkler system, fire Alarm & detection System.
6.	Asian Games . I.G. stadium	New Delhi	Co2 Gas Flooding system.

<b>7.</b>	Dutt Tower	Sector 18 Noida	CO2 Flooding System
<b>8</b>	Ocean Heights	Sector 18 Noida	Hydrant System, Sprinkler system, fire Alarm & detection System.
<b>9</b>	Nirman Bhawan, Delhi	New Delhi	Fire Alarm & Detection
<b>10.</b>	Handi Craft bhawan New Delhi.	New Delhi	Hydrant System, Intelligent & Addressable Alarm & detection System.
<b>11.</b>	Construction Of GPOA ,Vijaywara	Andhra Pradesh	Wet riser System
<b>12.</b>	ICICI Bank Ltd Indore	Indore	Hydrant System, Intelligent & Addressable Alarm & detection System, VESDA, CCTV.Glow Signage, Rat Repellant
<b>13</b>	GSI Building , Maripalam, Vishakhapattanam	Andhra Pradesh	Hydrant, Sprinkler, Wet Riser, Fire alarm & Detection system
<b>14.</b>	Ansals Satyam Shivam, Sumedha commercial complex RDC, Ghaziabad	Ghaziabad	Hydrant, Sprinkler, Wet Riser, Fire alarm & Detection system



### **Schools & Auditoriums:**

1.	Kendriya vidyalay, Pragati vihar	New Delhi	Wet riser , Down comer system.
2.	Vidya Devi Jindal School	Haryana	Fire Alarm system
3.	Auditorium Building	Panchkul, Haryana	Fire Alarm system

### **Hotels & Hospitals:**

1.	Guru Teg Bahadur Hospital	Shahadara	Automatic Fire Alarm system
2.	AIIMS	New Delhi	Hydrant system, Wet riser System
3.	Metro Hospital Noida	Noida	Hydrant system & detection system
4.	Indian Institute of human Behaviour Allied Sciences	Shahadara New Delhi	Hydrant System

<b>Sr. No.</b>	<b>Name Of Project</b>	<b>location</b>	<b>Fire Protection System Given</b>
1.	Hotel Janpath	Noida	Fire Hydrant & Wet Riser System
2.	100-Badded Hospital	Jammu	Fire alarm & detection system
3.	Swarn Jayanti Hospital	Mathura	Fire Hydrant system, Wet Riser, Fire alarm & Detection System
4.	Moolchand Medicity	New Delhi	Automatic BOC FS 125 ( NAF S125) Fire suppression System
<b>Airport Terminals:</b>			
1.	New Terminal Complex , Bhuj airport	Bhuj, Gujrat	Automatic Fire Hydrant & sprinkler system
<b>Archive &amp; Libraries:</b>			
1.	Delhi Archies Auilding	Qutub Enclave Delhi	Automatic Fire Detection & Alarm System Integrated with CO2 Gas flooding System
2.	Parliament library Bulding	New Delhi	Gas Bas Total Flooding Fire Suppression System

## LIST OF COMMERCIAL BUILDINGS PROJECT UNDER EXECUTION:

Sr. No.	Name of Project	Location	Fire protection system to be installed
1	Salem Hospital	Salem	Hydrant system, Sprinkler system, Fire detection & Alarm system.
2	Hotel Samrat	Ghaziabad	Hydrant System, fire Alarm & detection System.
3	Aster Court	Jaipur	Hydrant System, Sprinkler System
4	Parliament library Building	New Delhi	NAF S125 fire suppression System