



FIRE PROTECTION • SECURITY • SAFETY

Products Catalogue





Introduction

Smith & Sharks Projects (India) Pvt. Ltd., a company established in 1992 and promoted by a team of India's leading fire engineering experts with over 40 years of outstanding performance in the field of fire protection engineering and related Research & Development, offers you a complete range of fire fighting and related products with National & International approvals.

The development of reliable fire fighting products and systems is part of our company's legacy. Our commitment to R&D and our association with international bodies, technical institutes, fire prevention organisations, fire brigade associations and testing institutes guarantees that our products and systems are at the cutting edge of technology.

We have a wide range of fire fighting products and systems with international approvals such as UL, FM, VdS, LPCB, CE, EN-54 and ISI by way of in-house manufacturing, cross branding of products from national and international organisations and product marketing arrangements with renowned international companies.

Our engineers are fully trained for installation, testing and commissioning followed by after sale services of products we offer.



Hydrant Valve

Product Code No.	SS - 101
Specification / Standard	BIS / UL / LPCB / CE
Type	Type : A, Single Outlet & Type : B, Double Outlet
Size	Type A: 75 mm inlet and 63 mm outlet Type B: 100mm inlet and 2 Nos 63mm outlet
Material of Construction	Body, Bonnet , Stop Valve, Check nut - Leaded Tin Bronze BIS- 318, Grade LTB- 2
Flow Test Per Minute	Type A: 900 LPM at 7 bar Type B: 1800 LPM at 7 bar



SS - 101 - A



SS - 101 - B



SS - 101 - C



SS - 101 - D



SS - 101 - E



SS - 101 - F

Hydrant Stand Post



SS - 102 - A

2 Way : MS Fabricated stand post with flanged inlet fitted with 2 ½" single outlet flanged hydrant valve as per BIS 5290



SS - 102 - B / C

3 Way: 3 way hydrant equipment is also available with male threaded or female instantaneous outlet and blank cap.

Product Code No.	SS - 102
Specification / Standard	BS / UL
Type	2 Way & 3 Way
Outlet	Leaded Tin Bronze LTB - 2, BIS 318.
Material of Construction	Body : Cast Iron to BS 1561
Outlet dia	2 x 2 ½" male threaded or female instantaneous 1 x 4" male threaded.
Test Pressure	20 bar (300 psi)
Working Pressure	15 bar (217 psi)
Finish	Fire Red synthetic enamel

Breeching Inlet

Product Code No.	SS - 103
Specification / Standard	BIS / BS
Type	2 Way & 4 Way
Outlet	2 Way : 100mm Flanged 4 Way : 150mm Flanged
Inlet	Leaded Tin Bronze to BIS 318
Material of Construction	Body : Ductile Iron / Cast Iron
Test Pressure	20 bar
Working Pressure	10 bar



SS - 103 - A



SS - 103 - B

First Aid Hose Reel



SS - 104

Product Code	S-104
Specification/ Standard	BIS/BS/CE
Type	Swinging/ Wall Mounting
Inlet	25mm
Hose	Rubber hose 20mm dia x 30/36 mtr length PVC hose 20mm dia x 30/36 mtr length
Hose reel drum	Mild steel
Nozzle	PVC Jet/ Spray Leaded tin bronze LTB,Gr2- Jet
Hub	Aluminium alloy A 8WP of IS: 617 1975
Finish	Red. Epoxy Powder Shade - 536 of IS : 5

Fire Hose

Product Code No.	SS - 105
Specification / Standard	BIS / UL / LPCB
Type	RRL (Reinforce Rubber Line) , CP (Controlled Percolating)

- Internal rubber lining combined with closely woven synthetic fibre.
- Direct vulcanization, high adhesion between jacket and lining
- Standard length : 15 Mtr. / 30 Mtr.
- Colour: Red or White
- RRL Manufactured to BS 6391 / BIS: 636
- Controlled Percolating hose: BIS 8423
- Coupling : Manufactured as per BIS 903 (Leaded Tin Bronze / Stainless Steel)



SS - 105 - A



SS - 105 - B

Branch Pipe With Nozzle



SS - 106 - A



SS - 106 - B

Product Code No.	SS - 106
Specification / Standard	BIS:903
Type	Jet Nozzle with Branch pipe
Size	2 ½" (63 mm)
Inlet	Male Instantaneous
Material of Construction	Leaded Tin Bronze (LTB - 2 to BIS 318) or Stainless Steel, SS: 304

Diffuser Nozzle (Jet / Spray)

Product Code No.	SS - 107
Specification / Standard	BIS: 2871
Type	Standard / with branchpipe
Inlet	2 ½" Male Instantaneous
Outlet	Solid Jet (20 mm)
Material of Construction	Leaded Tin Bronze/ Stainless Steel
Finish	Natural / Chrome Plated.



SS - 107 - A



SS - 107 - B

Handline Nozzle Water / Foam



SS - 108

Product Code No	SS - 108
Specification / Standard	BIS: 952
Size	63mm dia
Inlet	2 ½" Male Instantaneous
Material of Construction	Leaded Tin Bronze/ Stainless Steel
Finish	Natural/ Chrome

Water Monitor & Foam Monitor

Product Code No.	SS - 109
Specification / Standard	BIS / UL / FM
Type	Water Monitor & Foam Monitor
Model	Fixed and Variable Flow
Size	2 ½", 3" & 4"
Material of Construction	Body : MS seamless / SS- 304 / LTB - 2 Bearing : SS 304 / SS- 316 or Leaded Tin Bronze (LTB - 2)
Inlet	Flanged, ANSI B 16.5



SS - 109 - A



SS - 109 - B



SS - 109 - C



SS - 109 - D

Performance Data:

Capacity	Operating Pressure Range (bar)	Flow Range lpm	Inlet Flange NB	Performance	
				Flow lpm	Range Mtrs.
FM 500	6 - 12	1800 - 1200	100	1850	54
FM 675	6 - 12	2400 - 2700	100	2250	60
FM 750	7 - 12	2700 - 3000	100	2850	62
FM 1000	7 - 12	3600 - 4000	100	3785	72
FM 2000	7 - 12	7000 - 8000	150	7570	85

Fixed Foam Station



SS - 110

Product Code No.	SS - 110
Standard Feature	2 Nos. 63mm x 30Mtr long fire delivery hose with coupling
Foam Tank	(150 Ltr.) Stainless Steel / Fiber glass
Gate Valve	2" dia, SS-304/ Brass
Foam Branch pipe	225 LPM
Pick up tube	Stainless Steel
Inline Inductor	225 LPM 3% to 6% adjustable foam induction.
Inlet	2" BSP thread
Cabinet	1.5mm mild steel
Type	Floor mounted

Low Expansion Foam Branch Pipe

Product Code No	SS - 111
Body Material	Aluminium Alloy
Inlet	Male instantaneous to BS 336
Flow Rate	225 LPM/450 LPM at 7 bar



SS - 111

High Expansion Foam Generator

Product Code No	SS - 112
Body	GRP
Water Turbine	Bronze
Spray Nozzle	GM/ Brass
Inlet	2 ½" Instantaneous Male (GM / SS 304)



SS - 112

Foam Branch Pipe



SS - 113

Product Code No.	SS - 113
Type	Inline Inductor
Body Material	Aluminium Alloy or Gun Metal (LTB- 2)
Foam Induction Rate	Adjustable from 1% to 6%
Pick up tube	Flexible braided hose with Stainless Steel
strainer.	
Inlet / Outlet Connection	Male / Female instantaneous
Flow Rate	225 LPM / 450 LPM at 7 bar

Medium Expansion Foam Branch Pipe

Product Code No	SS - 114
Body Material	Stainless Steel
Flow Rate	225 LPM/450 LPM at 7 bar
Expansion Ratio	50
Inlet	Male instantaneous to BS 336



SS - 114 - A



SS - 114 - B

Water Foam Monitor Nozzles



SS - 115 - A

SS - 115 - B

Product Code No.	SS - 115
Type	Jet / Spray
Size	2 ½" / 3" / 4" BSPT
Flanged Inlet	6" dia

Foam Water Sprinklers

Product Code No.	SS - 116
Specification / Standard	UL / FM
Type	Air aspirating / Non aspirating type
Model	Upright & Pendent
Working Pressure	2 to 4 bar
Material of Construction	Stainless Steel / Bronze



SS - 116 - A



SS - 116 - B



SS - 116 - C

Foam Bladder Tank



SS - 117 - A

Product Code No.	SS - 117
Specification / Standard	UL / FM
Type	Horizontal / Vertical
Storage Capacity	Vertical : 200 Ltr to 7500 Ltr.(53 to 2000 US Gallon) Horizontal : 200 Ltr to 15000 Ltr. (53 to 4000 US Gallon)
Working Pressure	12 bar
Tank Construction	Carbon Steel as per ASME code Sec. VIII Div 1 for unfired pressure vessel
Bladder	Buna-N rubber.
External piping	For Water : Carbon steel, seamless SCH.40 For Foam Concentrate: Stainless Steel SCH 40.
Ratio Controller	Wafer type stainless steel, SS 304



SS - 117 - B

Storage Tank



SS - 118

Product Code No.	SS - 118
Specification / Standard	ASME Code VIII
Type	Horizontal / Vertical
Storage Capacity	200 Ltr to 30000 Ltr
Tank Construction	Carbon Steel as per ASME code Sec. VIII Div 1 for unfired pressure vessel
Service	Foam Solution Storage / Water Storage

Fixed Foam Hose Reel Station

Product Code No.	SS - 119
Standard Feature	Inlet 1 ½" ANSI 125 (Flanged)
Hose Reel drum	Powder coated mild steel
Foam Tank	(225 to 250 Ltr.) Stainless Steel
Cabinet Construction	1.5mm thick mild steel
Pipe and Pipe Fittings	Stainless Steel / Non- ferrous
Control Valve	1 ½" , SS 304 / Brass
Pick up tube	Stainless Steel



SS - 119

Foam Chamber



SS - 120

Product Code No.	SS - 120
Specification / Standard	Foam chamber is an air aspirating fixed foam discharge device, used for foam system for protection of fixed roof storage tank.
Size	50, 65, 80, 100 & 150 NB
Working Pressure	Minimum 40 psi (2.8 bar) Maximum 100 psi (7 bar)
Inlet / Supply Pressure	12 bar
Flange Connection	ANSI B 16.5 Class 150#
Finish	Fire Red.

Foam Deflector

Product Code No.	SS - 121
Specification / Standard	Foam deflectors are used with foam chamber in foam system for protection of fixed roof storage tank.
Dimension	80, 100 , 150, 200 & 250 NB
Finish	Fire Red



SS - 121

Foam Maker



SS - 122

Product Code No.	SS - 122
Specification / Standard	Foam maker is an air aspirating foam generator connected to the foam pourer to deliver aspirated foam into the protected tank seal area in floating roof storage tanks.
Size	50, 65 & 80 NB
Working Pressure	Minimum 40 psi (2.8 bar) Maximum 100 psi (7 bar)
Inlet / Supply Pressure	12 bar
Flange Connection	ANSI B 16.5 Class 150#
Finish	Fire Red

Foam Pourer

Product Code No.	SS - 123
Specification / Standard	Foam pourer are used with foam maker in Tank seal pouring system for internal Floating roof storage tank.
Dimension	80, 100, 150 NB
Finish	Fire Red.



SS - 123

Foam Inline Proportioner



SS - 124

Product Code No	SS - 124
Body Material	Gun Metal (LTB - 2) / Stainless Steel / Aluminium alloy
Inlet	2 ½" BSP
Outlet	2 ½" BSP
Induction Ratio	3% or 6% foam concentrate proportioner

Ratio Controller

Product Code No.	SS - 125
Specification / Standard	The Ratio Controller operates on venture principle. As the water flow through the controller, a low-pressure area is created inside the controller at the diffuser area. Due to this the foam concentrates flow through a metering orifice at the concentrate inlet and to the controller. As the system demand varies, the water flow through ratio controller increases or decreases which in turn proportionately create variation in the low-pressure area making pressure variation at the foam concentrate metering orifice offering proportionate pressure in foam concentrate supply in line with the water pressure in order to balance the proportioning system.
Size	65, 80, 100 & 150 NB
Maximum Service Pressure	14 bar (200 PSI)
Flange Connection	ANSI B 16.5 Class 150#
Finish	Fire Red / Natural finish.



SS - 125

Aqueous Film Forming Foam Concentrate (AFFF)



SS - 126

Product Code No.	SS - 126
Specification / Standard	BIS / UL / FM / LPCB
Concentrate	3% & 6%
Freezing Point	0°C
*Expansion Ratio	≥ 7 : 1

*Expansion value depend on the equipment & the application conditions

Mobile Foam Unit

Product Code No	SS - 127
Body Material	Fiber glass / Stainless Steel
Tank capacity	120 Ltr. AFFF
Inline Inductor with pick up tube	220 LPM at 7 bar
Foam Branch pipe	220 LPM at 7 bar

Performance Data:

Input Pressure at Inductor	Total Water Flow	Foam Produced	Foam Throw from Branch pipe
Bar	Litre/ Min.	Litre/ Min	M
5	180	1800	14
6	197	1970	16
7	213	2130	17
8	228	2280	18
10	225	2550	20



Foam Branch Pipe (FB-5X)
SS - 127 - A



SS - 127 - B



SS - 127 - C

Trailer Mounted Monitor



SS - 128

Product Code No.	SS - 128
Size	3" or 4" monitor mounted on foam tank
Trailer	Heavy duty with pneumatic tyres.
Inlet Manifold	4 Nos. 2 1/2" male instantaneous
Stability	4 adjustable stabilizer legs provided
Over Run Break	Manual
Discharge	3" dia : 1900 to 2850 LPM 4" dia" 3000 to 4750 LPM
Inlet Pressure	7 bar
Finish	Fire red epoxy painted

Cabinets

Product Code No.	SS - 129
Type	Hose Reel Cabinet Extinguisher Cabinet Fire Hose Cabinet Frame & Door.
Material	Body 1.5mm mild Steel
Installation	Floor / Surface / Wall mounted.
Paint Finish	Epoxy Powder Coated to Fire Red.



SS - 129 - A



SS - 129 - B



SS - 129 - C

Gate Valve / Sluice Valve



SS - 130 - A



SS - 130 - B

Product Code No.	SS - 130
Specification / Standard	BIS / UL / FM
Type	Non Rising and Rising stem / OS & Y
Size	50 to 300 mm
Rating	PN 10 & PN 16 (Higher rating on request)
Material of Construction	Body : Cast Iron, Ductile Iron, Leaded Tin Bronze as per IS 318 Gr. LTB -2.
Spindle	Stainless Steel / Brass
Stem nut	Leaded Tin Bronze as per IS 318 Gr. LTB -2.
Flange	BIS:1538 Table 4 and 6
Painting	Grey / Blue/ Black

Air Release Valve

Product Code No	SS - 131
Type	Spring Loaded
Material	LTB, IS 318, Gr. 2
Inlet Connection	Threaded male
Inlet Dia	1" BSP



SS - 131

Strainer

Product Code No.	SS - 132
Specification / Standard	UL / BIS
Type	Y type, T type / Basket type.
Size	2" to 12"
Body, Cover	MS. Fabricated / C.I
Mesh	Stainless Steel
Bolts & Nuts	Carbon Steel to IS:1367, Class-4.6/4.
Gasket	C.A.F. to IS: 2712
Hydrostatic Test Pressure	Body : 15 kg/ cm ²



SS - 132 - A



SS - 132 - B



SS - 132 - C

Ball Valve / Globe Valve / GM Gate Valve



SS - 133 - A



SS - 133 - B



SS - 133 - C

Product Code No	SS - 133
Specification / Standard	BIS / BS / UL
Type	Ball Valve / Globe Valve/ Gate Valve to BIS: 778
Size	½" to 4"
Material	Gun Metal (LTB-2)/ Stainless Steel / Ductile Iron
Seals & Gasket	Suitable for duty
Wrench/ Handwheel	Malleable Iron/ SG/ Iron or Steel

Butterfly Valve

Product Code No.	SS - 134
Specification / Standard	BS / UL / FM / BIS
Type	Lever Operated Handwheel type Groove end type Motorised (Electrical Operated).
Rating	230 VAC / 24V DC
Size	DN 50 to 300
Nominal Pressure	16 bar
Max. Close off pressure	12 bar
Material:	
Body	Ductile cast iron
Disc	Nylon coated ductile cast iron disc/ stainless steel 304 disc.
Seat	EPDM
Stem	Stainless Steel



SS - 134 - A



SS - 134 - B



SS - 134 - C



SS - 134 - D

Wafer / Swing Type Check Valve

Product Code No.	SS - 135
Specification / Standard	BIS / UL / FM / BS
Type	Self acting non return valve / Swing type
Size	50 to 300 NB
Pressure rating	PN 16
Material of Construction	Body : Cast Iron, Leaded Tin Bronze as per IS 318 Gr. LTB -2.
Flange	BIS:1538 Table 4 and 6
Painting	Grey / Blue / Black



SS - 135 - A



SS - 135 - B

Sprinkler Alarm Valve



SS - 136

Product Code No.	SS - 136
Specification / Standard	UL / FM
Size	80 to 200 NB
Maximum Pressure	17.5 bar
Flange Connection	ANSI B 16.5
Material	Ductile Iron to ASTM - A536
Trim	Galvanised fitting with Brass Valves
Hydrostatic Pressure	500 PSI
Finish	Epoxy painted internally & externally

Deluge Valve

Product Code No.	SS - 137
Specification / Standard	UL / FM
Size	50 to 200 NB
Maximum Pressure	12 bar
Flange Connection	ANSI B 16.5
Material	Cast Iron
Finish	Fire Red



SS - 137

Sprinklers



SS - 138 - A



SS - 138 - B



SS - 138 - C

Product Code No.	SS - 138
Specification / Standard	BIS / UL / FM
Type	Pendent / Upright / / Side Wall / Concealed / ESFR
Finish	Brass, Chrome Plated, White Painted

HVWS / MVWS Spray Nozzle

Product Code No.	SS - 139
Specification / Standard	UL / FM
Type	HVWS / MVWS
Finish	Brass, Chrome Plated



SS - 139 - A



SS - 139 - B

Flexible Expansion Joint

Product Code No.	SS - 140
Body	CR / EPDM / IIR / NBR
Reinforcement	Nylon Cord Fabric
Wire	Hard Steel Wire
Floating Flange	Mild Steel as per ANSI B 16.5



SS - 140

Fire Fighting Pumpset



Vertical Turbine Pump with Diesel Engine and Controller
SS - 141 - A

Product Code No.	SS - 141
Specification / Standard	UL / FM / BIS
Type	Centrifugal/ Vertical Turbine
Model	Centrifugal : Split casing / Back pull out type Vertical Turbine : Multiple bowl assembly
RPM	1500 to 2900
Drive	Electric Motor/ Engine
Material	
Body	Cast Iron / DI to IS 210Gr. FG 260
Impeller	Bronze to IS : 318 LTB 2
Shaft	Special steel / Stainless Steel
Wearing	BR BS 1400 LB2
Discharge Pressure	5.6 bar to 15 bar.



Back Pull Out type Electric Driven Pump with Controller
SS - 141 - B



Horizontal Split Casing Pump with Motor
SS - 141 - C



Centrifugal Pump with Diesel Engine and Controller
SS - 141 - D

Fire Fighting Electric Control Panel

Product Code No.	SS - 142
Specification / Standard	Electric control panel for automatic operation and control of fire fighting system as per Specification / Standard and requirement.
Construction Features	
Protection	IP-52
Cabinet Material	Pre fabricated CRCA sheet.
Type	Compartmental
Mounting	Floor Mounting
Cable Entry	Top/ Bottom
Finish	Fire Red/ Light Grey



SS - 142

Pressure Switch



SS - 143

Product Code No.	SS - 143
Specification / Standard	BIS / UL / FM / BS
Sensing Element	SS316L diaphragm or bellow
Case	Diecast aluminium , epoxy painted, weatherproof to IP-68 or Flameproof, SS304 / SS316 optionally.
Cable Entry	½" NPT (F)
Movement	Brass
Process Connection	½" NPT (M)
Range	0 to 1000 mm
Indicating Accuracy	±1% FSD
Switching Accuracy	±1.5 - 2% FSD
Repeatability	1% FSD

Pressure Gauge

Product Code No.	SS - 144
Specification / Standard	BIS / UL / FM
Nominal Size	50 to 150 mm
Case & Bezel Material	Pressed Steel Painted Store Enameled
Accuracy	+2% FSD
Bourden Material	Brass
Block Material	Brass
Movement Material	Brass
Connection	3/8"BSP(M)
Range	0 - 28 bar / kg/ cm ²



SS - 144

Flow Switch



SS - 145

Product Code No.	SS - 145
Specification / Standard	BIS / UL / FM / BS
Operating Pressure	10 Kg/cm ² (1000 Kpa)
Withstand pressure	17.5 Kg/cm ² (1750 Kpa)
Withstand voltage	AC1500V / 1 minute
Temp. of Fluid	Max : 100 °C (212° F)

Limit Switch

Product Code No.	SS - 146
Specification / Standard	UL / CE
Visual Indicator	High visibility raised dome with 2 colour indicator for open/close feedback
Switch Colour	Black / Yellow
Indication Colour	Red & Yellow Red & Green
Shaft	SS 304 / burnished
Sensor	Roller operated microswitch, SPDT
Cable entry	1/2" NPT



SS - 146

Flexible Sprinkler Dropper



SS - 147

Product Code No.	SS - 147
Specification / Standard	UL / FM
Type	Braided , Unbraided
Standard Length	700mm, 1000mm, 1200mm, 1500mm
Material Body	Stainless Steel
Inlet by Outlet	Stainless Steel (1 by 1/2" inch)
Hose Diameter	3/4" Size
Maximum Ambient Temperature	300° F

UL/FM approved Ductile Iron / GI / MS Threaded Pipe Fittings

Product Code No	SS - 148
Material	ASTM A536
Dimension	B 16.39
Size	1/2" to 3" dia
Thread	NPT/BSPT
Approval	UL/FM/CE

*Dimension details of individual product on request.



SS - 148

UL/FM approved Ductile Iron Grooved Pipe Fittings



SS - 149

Product Code No	SS - 149
Material	DI / ASTM A536
Type	Elbow, Tee, Cross, Reducer, Cap, Flange, Adapter.
Standard	ANSI, ASTM, DIN
Size	1" to 16 "
Approval	UL/FM/CE

*Dimension details of individual product on request.

Fire Extinguishers



SS - 150 - A



SS - 150 - B



SS - 150 - C

ABC Powder Based Fire Extinguisher

Product Code No.	SS - 150
Specification / Standard / Approval	BIS / UL / KITE / CE
Type	Stored pressure type
Capacity	1 kg / 2 kg / 4 kg / 6 kg / 9 kg
Working Pressure	15 kgf / cm ²

Water / Foam Based Fire Extinguisher

Product Code No.	SS - 153
Specification / Standard / Approval	BIS / UL / KITE / CE
Type	Stored pressure type
Capacity	9 Ltr / 50 Ltr.
Working Pressure	15 kgf / cm ²

BC / ABC Powder Based Fire Extinguisher

Product Code No.	SS - 151
Specification / Standard / Approval	BIS / UL / KITE / CE
Type	Inside Cartridge type
Capacity	4 kg / 6 kg / 9 kg
Working Pressure	15 kgf / cm ²

Clean Agent Gas Based Fire Extinguisher

Product Code No.	SS - 154
Specification / Standard / Approval	BIS / UL / KITE / CE
Type	Inside Cartridge type
Capacity	1 kg / 2 kg / 4 kg / 6 kg
Working Pressure	15 kgf / cm ²

Co2 Gas Based Fire Extinguisher

Product Code No.	SS - 152
Specification / Standard / Approval	BIS / UL / KITE / CE
Capacity	2 kg / 4.5 kg / 9 kg / 22.5 kg
Working Pressure	60 kgf / cm ²

Automatic Modular Fire Extinguisher

Product Code No.	SS - 155
Specification / Standard / Approval	BIS / UL / KITE / CE
Capacity	2 kg / 5 kg / 10 kg / 15 kg
Extinguishing Agent	Powder / Clean Agent Gas

Intelligent Addressable Fire Alarm System Products

EN-54 compliant VdS approved fully redundant fire alarm system.



SS - 156 - A



SS - 156 - B



SS - 156 - C



SS - 156 - D



SS - 156 - E

*Product details against requirement.

UL Listed Fire Alarm System Products.

Microprocessor addressable fire alarm system.



SS - 157 - A



SS - 157 - B



SS - 157 - C



SS - 157 - D



SS - 157 - E

*Product details against requirement.

SHARKS RANGE OF FIRE FIGHTING SYSTEMS

In addition to the products described in this catalogue, we also deal with a wide range of fire fighting systems for normal and special hazards category with National & International approvals. For more details please see our systems catalogue.

- **Fire Hydrant System as per NFPA – 14.**
- **Water Sprinkler System as per NFPA – 13.**
- **Medium Velocity Water Spray System (MVWS) as per NFPA – 15.**
- **High Velocity Water Spray System (HVWS) as per NFPA – 15.**
- **Automatic / Manual Fixed & Semi Fixed foam system as per NFPA – 11,13 & 16.**
- **Dry Chemical Powder installation for critical machine/plant protection as per NFPA – 17.**
- **CO2 Flooding System as per NFPA – 12.**
- **Fire Suppression System using FM 200, Novac-1230 clean agent as per NFPA – 2001.**
- **Inert Gas Suppression System, IG – 01, IG – 55, IG – 100 & IG – 541 as per NFPA – 2001.**
- **Water Mist System (High & Low Pressure) as per NFPA – 750.**
- **Rim Seal Foam Protection for Floating Roof Oil Storage Tanks as per NFPA – 11.**
- **Intelligent Addressable Fire Detection & Alarm System as per NFPA – 72.**
- **Microprocessor based Conventional Smoke Detection and Fire Alarm System as per NFPA – 72.**
- **Linear Heat Sensing (LHS) cable detection, Infra-red beam smoke detection, UV/IR fire detection system for various critical applications as per NFPA – 72.**



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