

# aska®

For  
Electricity  
Boards

## Client List

MSETCL

Power Grid

Delhi Transco

Andaman State Electricity Board

Applicable on all classes of fire



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<https://www.gem.gov.in>

# High Pressure Water Mist & CAFS



Aska Hand-Held + Backpack - 9L

EN3-7 Standard

EN3-7 Standard

Aska Hand-Held + Backpack - 10L

DIN1866 Standard

Aska Trolley Mounted - 50L

## The Problem

We see conventional fire extinguisher placed in sub-station which have minimum fire performance / rating and throw range is upto 5m. Everybody is helpless to see crores of rupees of damage in case of substation fire (transformer fire, cable trench fire and CT PT fires, Oil insulated circuit breakers, engine driven generator area fires). Further Trolley Mounted conventional 50L systems can not be moved due to weight and uneven surface and throw range is very less.

## The Solution

Aska High Pressure Water Mist & CAFS is an effective first responder as it assures minimum fire rating of A55, B233, E1000V with a control discharge and light weight gun of 750 grams approx. The lancing distance is 12-15m and is applicable on all three classes of fire (Class A, Class B & Live Electrical / Short Circuit Fires). During a substation fire electrical supply is automatically cut off. Our 9L/10L Backpack Mounted and Trolley Mounted 50L system can act as an effective first responder to above applicable areas of fire.

**We have given option to customer to go with 10m hose in our 50L system at an additional cost with lancing distance of 16m+ as the user only needs to carry 750 grams weight of the gun in his hand instead of moving a trolley in uneven surface.**



## Advantages Of Aska Water Mist + CAFS

- ▶ Constant operating pressure of 34/38 bar with negligible recoil.
- ▶ Light weighted gun of 750 grams.
- ▶ Suitable for Class A, Class B and Live Electrical Fire.
- ▶ System is tested on 35 KV as per EN 3 standard & 36 KV as per IS:15683:2006.
- ▶ Backpack and Hand Held System.
- ▶ Light weight anti corrosive aluminum alloy vessel/ CFRP - Carbon Fiber Reinforced Polymer
- ▶ PESO approved Pet Liner air cylinder and NOC for the vessel.
- ▶ Flowing contaminated water can be used to fight fire.
- ▶ Stream can be controlled.
- ▶ Tested for 600 refills in a year & maintenance free design.
- ▶ After sales service and spare parts available.
- ▶ Pressure gauge on the vessel as per EN 3 standard.
- ▶ Negligible collateral damage.

### Technical Specifications

Specifications	9 Liter Carbon Vessel	10 Liter (Aluminium Alloy)	50 Liter (Aluminium Alloy)
Operating Pressure	38 Bar, Constant	34 Bar	34 Bar
Weight Of Empty System	9.5 Kgs (Approx.)	16 Kg (Approx.)	55 Kg (Approx.)
Weight Of Filled System	19.8 Kg (Approx.)	27 Kg (Approx.)	120 Kg (Approx.)
Diameter	180 mm	200 mm	420 mm
Height	670 mm	640 mm	740 mm
Minimum Length Of Hose	1.3 meter	1.3 meter	5 meter
PESO Approved Composite Cylinder Pet Liner Material - 20 years life	2L x 300 Bar	2L x 300 Bar	6L x 300 Bar
Weight Of Extinguisher Gun (Jet Model)	750 gms. (Approx.)	750 gms. (Approx.)	750 gms. (Approx.)
Minimum Functional Time With Continuous Jet	26+ sec. (Approx.)	23 sec. (Approx.)	80 sec. (Approx.)
Lancing Distance With Jet Mode	14+ meter	12-15 meter	15 - 17 meter
Propellant	Compressed Air	Compressed Air	Compressed Air
Fire Rating	A55, B233, E1000V	A55, B233, E1000V	A55 (min.), IV B, E1000V

NOTE : Plz note 9L & 10L system achieve A68 and A63 fire ratings respectively. These are achieved in combination of two wooden pallets together A68 (A55+A13) & A63(A55+A8). This is achieved using special foam as per EN standard. These are higher then prescribed limit but in users interest. Our systems are tested from international lab (NABL accredited) and CBRI Fire Lab, Roorkee as per the standard.

**aska**<sup>®</sup>

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Clients



Tested & Approved By



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