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NDMA, MHA, NFSC
& CFEES have
suggested Inflatable
Light Tower as a
part of fire stations /
fire tenders

**For Fire &
Emergency
Services**

Applications

- ▶ For illuminating an area during and after fire fighting operation
- ▶ For rescue operation during dark hours
- ▶ For disaster management during dark hours

Fire Stations / Fire Tenders of following government organisations are using the same

- ▶ DRDO
- ▶ Ordnance Factories
- ▶ Air Force / Army / Navy
- ▶ Delhi Fire Services
- ▶ Odisha State Fire Services
- ▶ West Bengal State Fire Services
- ▶ Karnataka State Fire & Emergency Services
- ▶ Andhra Pradesh State Fire & Emergency Services
- ▶ J&K State Fire Services
- ▶ Tripura State Fire Services
- ▶ Kerala State Fire Services
- ... & many more

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



AIT 4500 General Portable Inflatable Lighting System

For Temporary Or Emergency
Illumination Requirements

- ▶ Glare Free Light
- ▶ Easy To Transport
- ▶ Quick Deployment



The Problem

Whenever there is a fire we first switch off the electrical supply, this leads to complete darkness in surrounding areas. The fire tenders are standing away from the scene of the fire due to congested lanes. The fire crew requires quick illumination in the area during and after fire fighting operations.

Further state fire services play a very important role for disaster management, during disaster (earthquake, floods) there is no electricity (illumination) available. Rescue work is further hampered as logistic support / equipments can not be moved easily at a disaster site. Our teams put in best efforts for rescue operations during day time but are forced to abandon rescue operation during dark hours and wait for daylight.

Present Scenario for illumination

The fire services use portable inflatable light tower which consist of an inbuilt genset, blowers, lamp. The user has to switch on the generator first, then blower which inflates the cloth to a height of 4.5 meters from ground level. Further the user switches on the 400 W MH lamp which provides 360° glare free illumination up to 10,000 sq. meters within 3 minutes.

They can detach the same from fire tender and take it to the site of fire / disaster.

Today this light tower has become a part of DFT / CFT / Fire tenders



TECHNICAL SPECIFICATIONS

Closed System (LxBxH)	585 x 450 x 520 mm	Light Source	400W Metal Halide
Tower : Height & Weight	4.5 mts & 45 Kgs	Brightness	42,000 Lumen
Engine	4 Stroke	Time For Tower Extension	60 Sec.
Generator Model	Petrol 1200VA (Rated)	Time To Pack	4 Minutes
Generator Fuel Tank Capacity	8.0 Liter	Dimension/Weight Tolerance	± 5%

CLIENTS



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