

aska[®]

**For
Transmission
Companies**

Applications

- ▶ Repair and Maintenance
- ▶ New Projects
- ▶ Construction Sites
- ▶ Maintenance At Sub-Stations
- ▶ Line Maintenance units
- ▶ During Fire Fighting
- ▶ During Disaster Management



<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



Past Scenario for illumination

Whenever illumination is required for repair / maintenance work we use search light or we try to arrange genset, loose wires, flood lights which is time consuming method.

Generally we wait for the daylight to resume the work or we are forced to assemble the above three factors to start the work.

After assembling the same it is difficult to place the flood lights at a height. This kind of temporary and conventional arrangement gives non glare free illumination in one direction with minimum area coverage.

Also this arrangement cannot be moved due to loose wires. Loose wires may also cause an accident.

Present Scenario for illumination

Portable inflatable Lighting System 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.

This lighting system will help in attending to all kinds of emergency restoration jobs in sub-stations like replacement of failed equipment which is done round the clock, testing and commissioning of equipment in new sub-stations etc.

It is also useful for attending to transmission line break down works during dark hours in remote / urban areas during rainy seasons also.

This light tower has been made a part of upcoming projects by BSPTCL, MSETCL & many more. Powergrid has also scaled this lighting system

This Light also can be used during fire incident in a substation as the electrical supply is switched off.

Further during natural disasters (Cyclone Hudhud) these lights were used for restoration of sub-station in Vizag



TECHNICAL SPECIFICATIONS

Closed System LxBxH	585x450x520mm
Tower Height & Weight	4.5 mts & 45 kg
Engine	4 Stroke
Generator Model	Petrol 1200VA (rated)
Tank Capacity	8.0 litre
Light Source	400W Metal Halide
Brightness	42,000 Lumen
Time for towering extension	60 sec.
Time for closing	4 mins.
Dimension / Weight Tolerance	± 5%



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