

aska[®]

**For
Indian
Railways**

Applications

- ▶ Regular Track Maintenance
- ▶ Night Block Working
- ▶ For ARTs / ARMV
- ▶ For 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 / during train derailment 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 has been made part of ARTs, ARMVs as per the recommendation of Indian Railway's Disaster Management Committee. It is also being used Night Block Working, Track & Bridge Maintenance and Restoration Works

APPLICATIONS

ENGINEERING

Regular track maintenance during night

Night block working Repair/ maintenance of tunnels and bridges

For PWI & Engineering Vans

ELECTRICAL

General repairing work in remote areas OHE maintenance

Stations at the time of Calamity Disaster

SIGNALING

Major repair of signal Signaling cable during night

MECHANICAL

Loading & unloading of goods in Yards

Any derailment of train - For ART & ARMV

Diesel shed / electric loco shed at the time of any fire.



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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