

NDMA
have suggested
Portable Lighting
System as a part
of fire stations/ fire
tender

Applications

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

TOLL FREE

1800 123 8611



TRIPOD 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 firefighting 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 cannot 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 Tripod Lighting System which consist of spherical balloon with telescopic mast and tripod stand, inbuilt blowers, and 400W LED lamp. It inflates the cloth at a height of 4 meters from ground level. Further the user switches on the 400 W lamp which provides 360 degree glare free pure white illumination upto 10,000 sq. meters within 3 minutes.

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



ACTUAL SITE PHOTOGRAPHS



TECHNICAL SPECIFICATIONS

PARTICULARS	MODEL TS 450
HEIGHT	4 mtrs min
WEIGHT OF SYSTEM (WITHOUT FUEL AND STORAGE BOX)	50Kg max
GENSET DETAILS	4-stroke , OHV , single cylinder , 79.7 CC
GENERATOR MODEL	EP1000 with CPCB Compliance
GENERATOR RATED OUTPUT (VA) 230V/ 50Hz	750 VA
FUEL TANK CAPACITY (L)	3.6 L
CONTINUOUS OPERATING HOURS	5.3 hours
STARTING SYSTEM	Recoil
LIGHT SOURCE	400W White LED Lamp
LAMP LIGHT OUTPUT (BRIGHTNESS)	min 51,000 Lumen
WITHSTAND Wind Speed (km/hr)	45 km /hr with wind support and sand bag
INGRESS PROTECTION RATING OF THE INFLATED TOWER ONLY AS PER IS:10322 PART 1/82	IPX5
Time For Tower Extension/ Inflation	2 minutes for tower extentsion/ balloon inflation 30 Sec.
No of supporting legs Material of supporting legs	3 Nos. Stainless Steel
NO. OF AIR BLOWERS OF SUITABLE RATING (Nos.)	ONE
Material of Tower Collapsible mast/Vertical mast No of Vertical mast section	Aluminum 5 Nos.
LIGHT UP AREA (APPROX.)	10000 SQM

Specifications are subject to change without prior notice

CLIENTS



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