**PURCHASE SPECIFICATIONS FOR TELESCOPIC FLOODLIGHT MAST**

MODEL: TELESCOPIC FLOODLIGHT

##### General Overview

The floodlight shall consist of or be capable of:

* Floodlight head shall consist of two lights,
* Floodlights shall be of LED type,
* Floodlight shall be mounted on a pneumatic telescopic mast.

The entire light shall be delivered complete and integrated into S4GA Trailer.

The floodlight shall offer the following features:

* Shall be capable to illuminate operational area during deployment or collection of mobile airfield lighting system,
* Free and omni-directional full-range movement of the mast head,
* Pneumatic telescopic mast shall be retractable and rotatable,
* Shall be controlled remotely via a mobile controller.

**Physical and Technical Parameters**

* Maximum height of the high mast shall be 6 m,
* Maximum working pressure shall be 2 bars,
* Maximum load weight without the mast head shall be 35 kg distributed symmetrically to the rotation axis of the positioning head,
* Maximum load weight with the mast head shall be 25 kg distributed symmetrically to the rotation axis of the positioning head,
* Maximum side area of weight load shall be 0.3 sq.m.,
* Shall be able to operate in the temperature of -20° C to 50° C or better.

**Optical Performance**

* Lighting elements shall be of LED type,
* Light beam shall be 30 000 lm.

**Power**

The floodlight pneumatic mechanism shall be powered by battery integrated within the trailer.

**Remote Control**

The flood light shall be controlled remotely via a Mobile Controller.

Mobile Controller shall allow the following features:

* Activation and deactivation of the floodlight,
* Activation and deactivation of each lighting element separately,
* Changing intensity of the floodlight,
* Automatic retraction of the pneumatic telescopic mast,
* Rotation of the pneumatic telescopic mast,
* Rotation the mast head to working position.