
	Site: LNS Lighthouses Title: Supply Long Range LED Marine Beacons	Document Number: SOW-LNS-013
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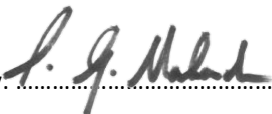
Scope of Works


Supply and delivery of flashing Long Range LED Marine Beacons or similar Marine Beacons with the following characteristics;

Lighthouse	Longitude	Latitude	Characteristic	Elevation	Observer Height	Divergence	Range Nm	Available Voltage	Lantern House
Quoin Point	19° 38.4' E	34° 46.8' S	Fl(2)W.10s 25 000	34m	35m	1.5°	16	230V AC	Yes
Roman Rock	18° 27.7' E	34° 10.9' S	Fl.W.6s 147 656	17m	35m	1.5°	20	230V AC	Yes

- The optics shall be suitable for operation under conditions of high humidity, corrosive atmosphere, high temperature, dust and salt laden air.
- Full specification of equipment tendered to accompany quotation and shall include prices for all programming or ancillary devices.
- Must be capable of 256 IALA recommended flash characters.
- Additional power supply units to be supplied.
- IR programmer to be supplied for each lantern.
- Lanterns to have GSM capabilities
- Lanterns to have Aton AIS Type 3 capabilities.
- Lanterns must be supplied with bird spikes.
- Quotation breakdown should indicate the lantern, power supply, freight costs and any ancillary equipment.
- Rotating lanterns are not desirable for this application.
- For the purposes of range calculations, transmissivity shall be fixed at 0.74.
- Lanterns should have a warranty period of 3 years from date of delivery.
- Connection diagrams to be supplied.

Compiled by:  05/06/2024
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