

	Site: Richards Bay Lighthouse Title: Supply Long Range LED Marine Beacons		Document Number: SOW- Beacon
	Inspection: Khethiwe Motlatsi	Revision: 0	Date Issued: 07/10/2025

Scope of Works

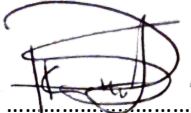
Provide Long Range LED Marine Beacon.

Supply and delivery of flashing Double Tier Long Range LED Marine Beacons or similar Marine Beacon with the following characteristics.

Lighthouse	Light Character	Focal Plane (MSL)	Observer Height	Divergence	Range Nm	Available Voltage	Lantern House
Richards Bay Lighthouse	Fl.W. FL(3+1)40s	+72m	35m	1.5°	21	230V AC	Lights need to be free to air installation

- 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.
- Normal voltage should be 24-48 VDC
- 1 X 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.
- The optics shall be suitable for operation under conditions of high humidity, corrosive atmosphere, high temperature, dust and salt laden air.
- Lanterns should have a warranty period of 3 years from date of delivery.
- Connection diagrams to be supplied.

Delivery Address
 2 Pioneer Road
 Tuzi Gazi
 Richards Bay
 3900

Compiled by: 

07/10/2025

Operation Supervisor

Date