

Annexure A

SPECIFICATION FOR SUPPLY AND DELIVERY OF TWO (2) SELF-POWERED MOBILE FLOODLIGHTING UNITS FOR THE INFRASTRUCTURE ELECTRICAL DEPARTMENT AT TRANSNET NATIONAL PORTS AUTHORITY (TNPA) IN THE PORT OF RICHARDS BAY

1. SCOPE OF WORK

- 1.1 This specification covers the supply and delivery of two (2) self-powered mobile floodlighting units.
- 1.2 The bidder must provide self-powered mobile floodlighting units (including, spare tyre, outriggers and fire extinguishers), similar to **Figure 1** below.

2. TECHNICAL REQUIREMENTS.

- 2.1 The self-powered mobile floodlighting units shall conform to the following technical requirements below but not limited to:

Light		Mast	
Light coverage (m2)	7500	Type	Galvanised iron
Lamps (lm)	4-6	Rotation	358°Manual
Mast	Hydraulic	Maximum height m	9
Floodlight	LED	Max speed wing km/hr	36-80
Wattage (W)	4×720W 6×480W		
Performance Data		Trailer	
Rated frequency (Hz)	50	Tow hitch	Ring/Ball hitch
Rated voltage (V)	230/240	Stabilising legs	4× hydraulic (where applicable)

Rated power (kW)	3,5	Brake system	Mechanical drum brake
Noise dB(A)	70	Chassis structure (Galvanised)	Single axle
		Wheel size	16" x2
Engine			
Speed (rpm)	1500		
Rated power (kW)	3,5		
Coolant	Water		
No.Cylinders	2		
No.Strokes	4		
Alternator			
Model		4 Pole	
Start system		Electric/battery	
Insulation/enclosure		IP54 H class	
Diesel fuel tank capacitor (litres)		100-160	
Fuel Autonomy (Hrs)		12 (continuous)	



Figure 1

NOTE: ALL METAL SURFACES SHALL BE PROTECTED AGAINST CORROSION (GALVANIZED)

3. TIMELINE

3.1 The Contractor shall provide the lead time for the delivery of the equipment.

4. WARRANTEE

4.1 The Contactor shall provide a 12-month warrantee on the self-powered mobile floodlighting units.

5. COMMERIAL ASPECT

5.1 The final payment will only be released after the equipment is delivered to site.

6. GENERAL

6.1 The TNPA representative shall inspect the self-powered mobile floodlighting units to ensure that it complies with the specification.

6.2 The Contactor shall inform TNPA one day prior to the delivery of the self-powered mobile floodlighting units.