

## 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)	6000-7500	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
<b>Engine</b>			
Speed (rpm)	1500		
Rated power (kW)	3,5		
Coolant	Water		
No.Cylinders	2		
No.Strokes	4		
<b>Alternator</b>			
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.