

1. Scope of the Supply.

The scope of a supplier is for providing PRASA Engineering with tools/Instruments as prescribed in the EMU Manual Instruction for proper and standard maintenance of EMU sets in line with Prasa requirements for Maintenance Best Practices, this includes and not limited to the following:

Tool/Equipment Supply:

1.1. Quality Assurance:

1.1.1. **Standards Compliance:** Ensuring all tools and equipment meet relevant industry standards and specifications.

1.1.2. **Inspection and Testing:** Pre-delivery inspection and testing of tools and equipment to ensure they are in proper working condition.

1.2. After Sale Support: Warrantee, Spares, Technical service.

1.3. Technical Documentation:

1.3.1. **User Manuals:** Detailed manuals for all supplied tools and equipment.

1.3.2. **Standards Compliance:** Provide compliance certification

2. Technical Requirements.

Guarantee and Inherent Defects:

2.1. Until such time that equipment warrantee has expired (eg.12 months), the approved supplier shall be entirely responsible for repairing all defects occurring within stipulated warrantee period.

2.2. Quality of work must be as set by Prasa requirements and relevant standards.

2.3. The approved supplier shall guarantee that when the equipment fails will be repaired and returned to service within 10 (ten) working days, from the date of being notified of the defect.

2.4. Document Management.

2.4.1. Standard certificate of compliance, calibration and guarantee should be submitted during the delivery.

2.4.2. Technical and Service manuals should be submitted during the delivery.

3. Pricing and delivery schedule

Definitions

SANS – South African National Standard

ISO – International standard organization

	DESCRIPTION	QTY	UNIT OF PRICE	TOTAL (Including VAT)
1	Electrical Tool Bags	80		
2	Rechargeable LED Headlamp	70		
3	Grease gun additional nipples/fittings (steel nipples, different sizes)	20		
4	Manometer pressure gauges (Max range 12Bar)	5		
5	OHM Meter	5		
6	1000v Megger	5		
7	Tension Cylinder Impact wrench	10		
8	Commercial Key Beta 920BP	10		
9	Rechargeable LED torches	20		
10	MK2 Panto Measuring Tool	1		
11	Mini-Prof	1		
TOTAL				

4. Specification

	Name	Use	Description	Interface Requirements	Image
1	Electrical Tool Bags	Handbag that is suitable to carry tools without any deformation Ideal for use on site due to its portability and small size	Water resistance Morden design and carrying 2kg of weight. Cotton padded handle with 4 interior pockets. Possesses a foam rubber base for extra cushioning.	None	
2	Rechargeable LED Headlamp	Headlamp is used as a light source affixed to the head for outdoor activities at night or in dark conditions	Ultra-bright focus beam flood to spot. Shock proof and waterproof with a beam distance of 250m. The 30W LED provides powerful and bright light for a battery life per charge of 16hrs. The charging time of 5hours and the weight of 250g. The adjustable headlamps strap. Casing made of extra heavy-duty aluminum	None	

	Name	Use	Description	Interface Requirements	Image
3	Grease gun additional nipples/fittings (steel nipples, different sizes)	To act as an interface between the grease gun and the component	High quality grease nipples for lubricating Brake Calipers and Traction Motor bearings with different types of lubricating greases.		 
4	Manometer pressure gauges (Max range 12Bar)	Measure pressure levels on various pneumatic components	Battery powered digital pressure gauge with a range of 0Kpa – 1200Kpa.	None	
5	OHM Meter	To measure the resistance of an electrical circuit or component. This is done by applying a small voltage to the component and measuring the resulting current flow, allowing the ohmmeter to calculate the resistance. Checking continuity and identifying faulty components.	Power supply-9V battery(included), overload protection-220Vrms Max. Voltage, Current, Resistance Measurement. Diode and transistor test.	None	
6	1000v Megger	Insulation Resistance Tester	1000 V insulation resistance tester designed for the diagnostic testing and maintenance of high-voltage electrical equipment. It measures insulation resistance up to 20 TΩ	None	
7	Tension Cylinder Impact wrench	Impact Wrench is used to fasten and loosen bolts & nuts.	Heavy torque 21V Cordless Brushless Electric Impact Wrench Driver. strong and durable. overload protection, fast charging, long lasting power Specifications. Speed-2400RPM Power-360NM	None	
8	Commercial Key Beta 920BP (Square key)	To open various panels	Multi-purpose keys are ideal for maintenance work and fits gas, electric cupboards, ventilation systems and stop valves. Multi-purpose key fits gas, electric cupboards, ventilation systems, stop valves. Fits square, 3-square and double pin. Supplied with slotted and Philips bits.	None	
9	Rechargeable LED torches (90 000 lumens)	To illuminate confined spaces	LED Flashlight 9000 lumen Torch - Black The flashlight is durable and waterproof. Multifunctional flashlight. The flashlight can both use 10650 rechargeable lithium batteries and 3x AAA batteries. Must include Charger.	None	
10	MK2 Panto Measuring Tool	Measuring the contact force, raising & lowering times of a pantograph	For testing pantographs and fulfilling not only the basic function of the weights but also allow other measurements subject to the standard EN 50206.	Interfacing Units	 

	Name	Use	Description	Interface Requirements	Image
11	MiniProf BT	Measure and analyze wheel profile of a locomotive or coaches	High precision, lightweight and portable tool for performing fast and reliable cross-sectional wheel profile measurements to monitor and analyze the wear of wheels.	Interfacing portable display unit.	

END OF DOCUMENT