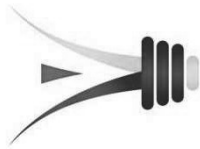


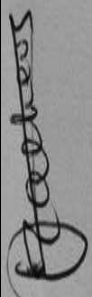
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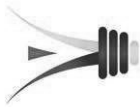


Kenya Power

SPECIFICATIONS FOR ELECTRICAL PLANT TOOLS

A Document of the Kenya Power & Lighting Co. Ltd
 March 2025

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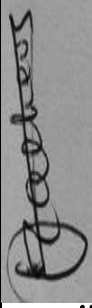
SPECIFICATIONS AND GUARANTEED TECHNICAL PARTICULARS (Normative)

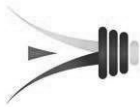
To be filled and signed by the Bidder and submitted together with relevant copies of the Manufacturer's catalogues, brochures, drawings and technical data for tender evaluation, all in English Language)

Tender No.

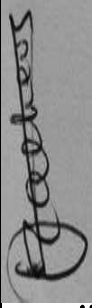
Bidder's name and Address.....

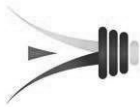
Item no.	Item description	KPLC Technical Specifications Requirement	Bidder's offer
44.	Power extension Cable	- Conductor size shall be 2.5mm² - Length of the cable shall be 50M - The number of conductors shall be 3, Live, neutral and Earth. - Voltage 220-240V - Conductor material shall be copper - Insulation material shall be PVC - Shall be fitted with a plug at one end and four socket outlets	- State Manufacturer - State Model - State Technical parameters of the offered model - Attach catalogue or brochure of the offered item
45.	Angle Grinder-	Spindle lock for quick wheel changes	State Manufacturer

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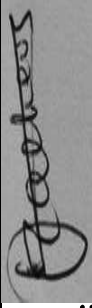
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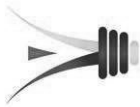
	2200Watts and 230mm diameter	- Power Input: 2200 Watts at 240V - No Load Speed: 6500 rpm and above - Max. Disc Diameter: 230 mm - Spindle Thread: M14	- State Model - State Technical parameters of the offered model - Attach catalogue or brochure of the offered item
46	Angle Grinder- 670Watts and 115mm diameter(4inch)	- Input Power 670 Watt at 240V - Disc Diameter 4 inch - No Load Speed 11000 RPM - Spindle Lock Yes 2-position detachable side handle and an all-metal gearbox,	- State Manufacturer - State Model - State Technical parameters of the offered model - Attach catalogue or brochure of the offered item
47	Professional Cordless Blower With Charger	Battery voltage 18.0 V Max. air speed 270 km/h Max. airflow 120 m³/h No-load speed 17,000 rpm Runtime Speed I : 8 min/Ah, Speed II : 3.5 min/Ah Weight excl. battery 1.1 kg	- State Manufacturer - State Model - State Technical parameters of the offered model - Attach catalogue or brochure of the offered item

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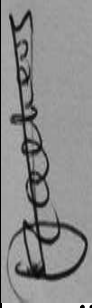
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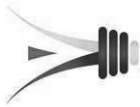
48.	Carbide tipped Hole cutter set	• Material: Made of tungsten carbide alloy, with high hardness, rust proof and sturdy, sharp gears, labor saving and long using life • Design: Alloy hole saw designed with multi-tooth gear, built a center alloy drill bits, easy to precise positioning, and ensure hole saw firmly fixed during working • Should come with a spring on the center drill bit, avoid sticking, more smoothly. • Size in mm : 53,50,45,35,30,25,22,20,18,16	• State Manufacturer • State Model • State Technical parameters of the offered model • Attach catalogue or brochure of the offered item
49	Pressure washing machine	▪ Voltage / Frequency: 220 V / 50 Hz ▪ Motor power (W): 2200 ▪ Max pressure (bar) :160 ▪ Rated pressure (bar): 120 ▪ Max flow rate (L/min): 6.7 ▪ Hose length (m): above 6 ▪ Electrical cord length (m) : above 5 ▪ Automatic start / stop: Yes ▪ Adjustable lance / nozzle 3IN1 Nozzle ▪ Detergent tank : Yes	• State Manufacturer • State Model • State Technical parameters of the offered model • Attach catalogue or brochure of the offered item

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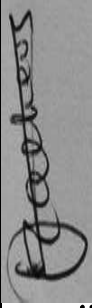
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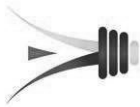
		- Quick coupling : Yes - Hose reel : Yes - Hose pipe:	
50	Cordless spray gun- Cordless Li-Ion Spray Gun 21V With Long Lifespan Batteries	- Voltage:20V - Spraying Pressure:0.1-0.2Bar - Max.flow:600ml/min - Max.viscosity:40DIN-s - Container capacity: above 800ml - With 2PCS viscosity measuring cup - With 2PCS nozzle cleaning needle - Charger - Input voltage:220V-240V 50/60Hz - Output voltage:20V - Output current:4A - Battery - Voltage: 20V - Lithium-Ion 4.0Ah battery pack - LED battery power indicator - One battery fits all P20S multiple tools	- State Manufacturer - State Model - State Technical parameters of the offered model - Attach catalogue or brochure of the offered item

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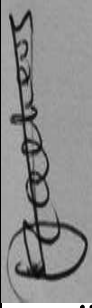
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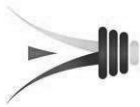
51	Professional Impact Drill 1100w With Steel Bits Set	- Rated input power: 1,100 W - Weight: 3 kg or less - No-load speed, 1st gear: 0 – 900 rpm - No-load speed, 2nd gear: 3,000 rpm - Power output: 630 W - Rated speed: 580 / 1,900 rpm - Rated torque: 9.6 / 3.2 Nm and above - Chuck capacity, min./max.: 1.5 – 13 mm - Tool dimensions (width): 90 - Impact rate at no-load speed: 0 – 15,300 / 51,000 bpm - Max. torque: 40.0 / 14.5 Nm - Drilling diameter in steel: 16 / 8 mm - Drill Bit Set - Minimum Size 1mm - Maximum Size 13mm - Material HSS-Co - Number of Pieces 25 - Set Contents HSS Drill Bits	- State Manufacturer - State Model - State Technical parameters of the offered model - Attach catalogue or brochure of the offered item
52	Plasma cutter-CNC Plasma Cutting Machine	- Input voltages: 120-240 V, 1-PH, 50/60 Hz - Input current : 3.8 kW 120-240 V, 1-PH, 25-18.8 A - Output current: 15-30 A	- State Manufacturer - State Model - State Technical parameters of the offered model

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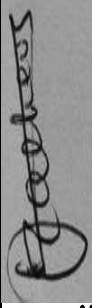
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	- Rated output voltage: 125 VDC - Duty cycle @ 40°C (104°F) 35%, 240 V 20%, 120 V - Open circuit voltage (OCV): 256 VDC - Dimensions with handles 356 mm (14.0") D; 168 mm (6.6") W; 305 mm (12.0") H - Weight w/ 4.5 m (15') torch: CSA: 9.7 kg (21.4 lbs) and CE, CCC: 9.5 kg (21 lbs) - Gas Supply: Clean, dry, oil-free air or nitrogen - Recommended gas inlet flow rate / pressure : 113.3 l/min (4 scfm) at 5.5 bar (80 psi) - Input power cable length: 3 m (10') - Power supply type: Inverter - IGBT - Engine drive requirement : 5.5 kW for full 30 A output - Should Come with hard carry case, eye shields, gloves, shoulder strap, standard consumables and Fine Cut consumables. - Highly portable Small size, light weight (only 9.8 kg) and carry strap ensure high portability. Rugged, 4.5 m (15') torch lead Strain reliefs on both ends provide protection in demanding environments.	Attach catalogue or brochure of the offered item
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		• Cut any kind of metal Stainless steel, aluminum, mild steel even if rusted or painted. • Plug into 120 to 240 V power with Auto-Voltage technologySafe • Only uses compressed air. No expensive and explosive gases needed.	
53	Portable inverter-based MIG/MAG welding system	• Input Voltage 230 VAC $\pm 10\%$, 1 Φ, 50/60 Hz • Primary Current: 16 A • Primary Current I_{eff}: 8.8 A • MIG/MAG Welding Output: 145 A / 21.25 V at 30% 102 A / 19.1 V at 60% 79 A / 17.95 V at 100% • Current Range 30-190 A • Voltage Range: 12.0 – 26.0 V • Wire Feed speed : 2.0-16.5 m/min (75-650 in./min) • Open Circuit Voltage 78 VDC • Wire Diameter - Aluminum 0.8-1.2 mm (0.030-0.045 in.)	• State Manufacturer • State Model • State Technical parameters of the offered model • Attach catalogue or brochure of the offered item

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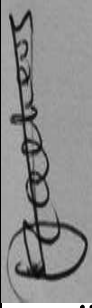
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	Mild Steel 0.6-1.0 mm (0.023-0.035 in.) Stainless Steel 0.6-1.0 mm (0.030-0.035 in.) Cored Wire 0.8-1.2 mm (0.030-0.045 in.) • Max Spool Diameter 100 & 200 mm (4 & 8 in.) • Power Factor at Maximum Current 0.99 • Efficiency at Maximum Current >82 % • Energy Save Mode <20 W • Operating Temp -10 to +40 °C (+14 to 104 °F) • Mains Cable length (3 m) • Rated kVA 11.0 kVA • Recommended Generator 10 kW • Adjustable Fine-tuning of output current for precise welding control • Suitable for welding mild steel, stainless steel, and aluminum (with appropriate settings and accessories). • Feed Speed: Adjustable feed rate for smooth and	
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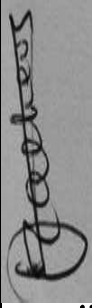
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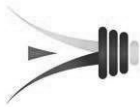
	consistent welding. Welding Type: • Process: MIG (Metal Inert Gas) • Gas: Compatible with shielding gases like CO₂, Argon, or mixed gases. • Design and Construction: • Build: Rugged metal body for durability. • Size: Compact design for portability. • Weight: 25–35 kg, depending on the model. • Cooling: Fan-cooled system to prevent overheating. Control Panel: • Knobs/Switches: For adjusting voltage, wire speed, and mode selection. Safety Features:	
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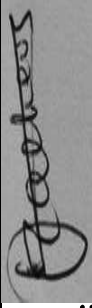
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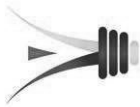
	• Overload Protection: Automatic shut-off in case of overheating or electrical surges. • IP Rating: Typically IP21S or higher for protection against dust and water spray Accessories: • Work Clamp Leadset, 3 m (10 ft), 16 mm², • Fusion 180A MIG Gun, 3m (10 ft) • Flow Gauge Regulator, for Ar/CO₂ • Gas hose with fittings, 3 m (10 ft) • Flow Gauge Regulator, for CO₂ • Spool Gun 200A, 3.6 m (12 ft) • Torch: MIG/MAG torch with consumables. • Earth Clamp: Heavy-duty grounding clamp. • Gas Hose: For connecting to a shielding gas cylinder. • Wire Spool: Compatible with standard wire spools	
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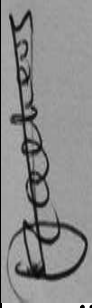
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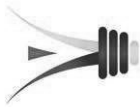
54	Cordless Angle Grinder • Battery voltage: 18.0 V • No-load speed: 11,000 rpm • Disc diameter: 115 mm • Weight incl. battery: 2.2 kg • Grinding spindle thread : M14 • Bore size, diameter: 22.23 mm • Weight excl. battery: 1.6 kg Should include • Protective guard • Backing flange • Locking nut • Auxiliary handle • Two-hole spanner ➤ Quick charger ➤ 2 x battery	• State Manufacturer • State Model • State Technical parameters of the offered model • Attach catalogue or brochure of the offered item
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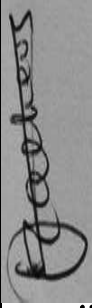
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		➤ Carrying case	
55	cordless Impact wrench 1/2 inch 250NM	• Works with battery capacity : 3 Ah and above • Torque adjustment range, min. /max. : 250 Nm • No-load speed : 0 – 2,400 rpm • Charging time : 75 mins • Weight excl. battery : 1.6 kg or less • Torque, max. : 250 Nm • Rated impact rate : 0 – 3300 bpm • Battery voltage : 18 V • Bit holder : 1/2" external square • Charge current : 3 A • Each set to come with • 2 batteries • 1 charger	• State Manufacturer • State Model • State Technical parameters of the offered model • Attach catalogue or brochure of the offered item
56	professional 215 and above pieces package wrench socket tool sets	• substantial socket set includes a selection of high quality spanners, ratchets and a host of different sockets including common and more specialised sizes. • The moulded case features an intelligent design, with each part and tool sitting in its own dedicated tray for ease of reference, a comfortable carry handle and multiple clips for a secure seal when shut	• State Manufacturer • State Model • State Technical parameters of the offered model

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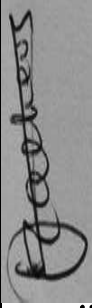
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	- This professional socket set delivers an extensive range of high grade tools, each manufactured from tough chrome vanadium steel for a long-lasting set of professional tools, all at one unbeatable low price - Along with this socket set comes our 1/2" Sq. Drive Torque Wrench, 470mm long with a torque range of between 42-210Nm. Complete with 1/2 and 3/8" adaptors. - All of the sockets, ratchets, and wrenches are constructed of chrome vanadium Cr-V steel and have a high-polish surface for durability. Together with greater torque, durability, and resistance to corrosion, the forged body makes sure you always have the best tools on hand when it counts. - The set consists of: 3x reversible ratchet → 6.35 mm (1/4 inch), 9.5 mm (3/8 inch), 12.7 mm (1/2 inch) drive 38 hex. wrench sockets CV with flank protection → 1/4 in (1/4 in) x 4, 4.5, 5, 5, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 14	Attach catalogue or brochure of the offered item
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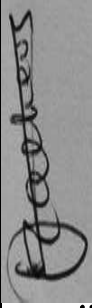
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		mm 10 × 9.5 mm (3/8 inch): 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19 mm 15 × 12.7 mm (1/2 inch): 10, 11, 12, 13, 14, 15, 17, 19, 20, 21, 22, 24, 27, 30 and 32 mm 18x hex. wrench sockets in long version → 7 x 6,35 mm (1/4 inch): 4, 5, 6, 7, 8, 9 and 10 mm 6 x 9.5 mm (3/8 inch): 10, 11, 12, 13, 14 and 15 mm 5 × 12.7 mm (1/2 inch): 16, 17, 18, 19 and 22 mm 14x socket with E-profile, → 5 × 6.35 mm (1/4 inch): E4, E5, E6, E7 and E8 6 x 9.5 mm (3/8 inch): E10, E11, E12, E14, E16 and E18 3 × 12.7 mm (1/2 inch): E20, E22 and E24 3x spark plug inserts → 1x 9.5 mm (3/8 inch): 18 mm 2x 12.7 mm (1/2 inch): 16 and 21 mm 5x extension → 2x 6,35 mm (1/4 inch): 50 and 100 mm
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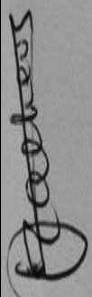
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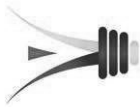
	1x 9.5 mm (3/8 inch): 125 mm 2x 12.7 mm (1/2 inch): 125 and 250 mm 1x slide t-handle adapter for extension → 12,7 mm (1/2 inch) 1x slide T-handle→ 6.35 mm (1/4 inch) drive 3x universal joint → 1/4 in., 3/8 in., And 1/2 in. (12.7 mm) drive 12x combination wrench → 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 and 22 mm 3x bit adapter → 6.3mm (1/4 ") x 6.3mm, 9.5mm (3/8") x 8mm and 12.7mm (1/2 ") x 8mm 1x screw handle → 6.35 mm (1/4 inch) drive	
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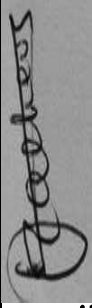
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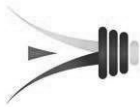
	1x screw handle for 6.3 mm bits 30 screwdriver bits (8 x 30 mm) → 5x hexagon socket: 5.5, 6, 6.5, 7 and 8 mm 4x multiple tooth: 5, 6, 8 and 10 mm 8x T-profile: T25, T27, T30, T35, 2 x T40, T45 and T50 6x T-profile with bore: T27, T30, T35, T40, T45 and T50 2x Phillips: PH3 and PH4 2x Pozidriv: PZ3 and PZ4 3x slot: 6.0, 6.5 and 8 mm 44x screwdriver bits (6.3 x 25 mm) → 3x multiple tooth: 5, 6 and 8 mm 3x slot: 4, 5.5 and 6.5 mm 5x T-profile: T8, T10, T15, T20 and T25 10x T-profile with bore: T8, 2xT10, 2xT15, 2xT20, 2xT25 and T40 4x hexagon socket: 3, 4, 5 and 6 mm 4x hexagon socket with bore: 3, 4, 5 and 6 mm 2x Phillips: PH1 and PH2 2x Pozidriv: PZ1 and PZ2 2x square: S1 and S2 3x double wings: 1, 2 and 3 3x fork bit: 4, 6 and 8	
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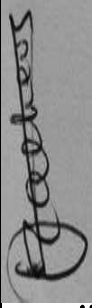
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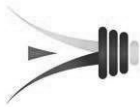
		3x 4-wing bits: 6, 8 and 10 30 x 6.35 mm (1/4 inch) screwdriver bits → 4x Slot: 4, 5.5, 6.5 and 8 3x Phillips: PH1, PH2 and PH3 3x Pozidriv: PZ1, PZ2 and PZ3 4x hexagon socket: 3, 4, 5 and 6 mm 8x T-profile: T8, T9, T10, T15, T20, T25, T27 and T30 8x T-profile with bore: T8, T9, T10, T15, T20, T25, T27 and T30 2x screwdriver bits with 9.5 mm (3/8 inch) drive 2x T-profile: T55 and T60 7x hex. wrench: 1.27, 1.5, 2, 2.5, 3, 4 and 5 mm	
57	Cordless vacuum cleaner	• REMOVABLE, WASHABLE FILTER AND BEATER BAR - Easy to remove and wash so your vac is clean for its next use • BATTERY CHARGE INDICATOR - Always tells you how long you have left to clean before you no recharge your vacuum • TWO-SPEED SETTING - Low speed for everyday cleaning and high speed for a deeper clean	• State Manufacturer • State Model • State Technical parameters of the offered model • Attach catalogue or brochure of the offered item
58	Semi rotary Hand	• Suction lift – 7m minimum	• State Manufacturer

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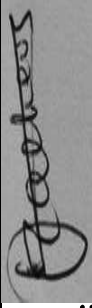
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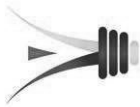
Pump	- Delivered Quantity (I/P/M)=22 litres lpm - Diameter of suction & discharge connections (inches)=1"	- State Model - State Technical parameters of the offered model - Attach catalogue or brochure of the offered item
59 Crimping Tools with a crimping range of 10-120mm	Type: Hydraulic Crimping Tools Application: Crimping cable lug 10-120mm2 Crimping Range: 10-120mm2 Crimping Force: 8t and above Stroke: 14mm and above Package: Plastic Case Material: Steel Crimping type: Hexagon Crimping Weight: N.W. 2.85kg Length: 406 mm and above Accessories: 10,16,25,35,50,70,95,120mm2	- State Manufacturer - State Model - State Technical parameters of the offered model - Attach catalogue or brochure of the offered item
60 cordless hydraulic cutting tool	- specifically designed to cut copper and aluminum having a max overall diameter of 95 mm. - blades are manufactured from high strength special steel, heat treated to ensure a long service life.	- State Manufacturer - State Model - State Technical parameters of the offered model

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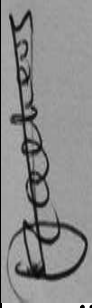
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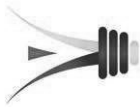
	The tool is supplied with: • Basic tool with battery and shoulder strap • two batteries • one Battery charger • Plastic carrying case suitable for storing the tool and accessories	• Attach catalogue or brochure of the offered item
61	Full body harness with positioning belt • A dorsal attachment D-ring for fall arrest. • 2 lateral D-rings for work positioning, adjustable waist belt, chest strap and thigh-straps for easy adjustment. • shoulder and thigh straps differentiated by a dual color scheme. • Tool holder loops and rings at the back. • Ideally positioned sit-strap for extended comfort. • conforms to EN 361:2002 & EN 358:2000	• State Manufacturer • State Model • State Technical parameters of the offered model • Attach catalogue or brochure of the offered item
62	Petrol Powered Knapsack Sprayer • Fan Rotation Speed: 8500 (r/min) • Tank Capacity: 25(L) • Displacement: 25.4 (cc) • Standard Power :0.7kw/6500-7500r/min	• State Manufacturer • State Model

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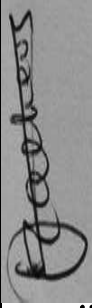
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		- Spray pump type: a high-pressure pump - Working pressure: 10-30kgf/cm² - Fuel tank capacity: 1.1 L - Sprayer Type: Knapsack. Engine Type: 4-stroke petrol engine	- State Technical parameters of the offered model - Attach catalogue or brochure of the offered item
63	TRADITIONAL ELECTRIC KETTLE 5 LITERS STAINLESS STEEL	5000ml capacity 2250 wats - Long spout - Cool touch handle	- State Manufacturer - State Model - State Technical parameters of the offered model - Attach catalogue or brochure of the offered item
64	PVC Braided Water Hose, Clear Size: 1" X 50 MTS	Length : 50Meters Size: 1" Colour: clear	- State Manufacturer - State Model - State Technical parameters of the offered model

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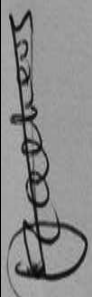
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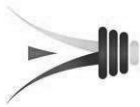
			• Attach catalogue or brochure of the offered item
65	5.0M Telescopic Aluminium Ladder	• The ladder shall be 5m long, double A type self-support Folding and with a capacity of at most 150kg. • The ladder shall have two mechanical safety locks per step. • The ladder shall be extensible and shall have balance bar and non-slip rubber pads that enhances overall safety. • The ladder shall be made of corrosion resistant high quality aluminum alloy with a maximum load of 150kgs.	• State Manufacturer • State Model • State Technical parameters of the offered model • Attach catalogue or brochure of the offered item
66	Silica gel drying Oven	• Silica gel drying oven shall be used for heating/drying saturated silica gel from the transformer breathers. • The outer side of the oven shall be made of steel with fine powder coating treatment.	• State Manufacturer • State Model • State Technical parameters of the offered model

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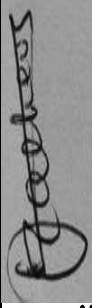
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	- The oven shall have a facility for over temperature protection, super-load automatic power system. - The oven shall have PID microcomputer control, automatic constant temperature and fast temperature compensation. - The oven to have power failure alarm and the time of the power failure. - Shall have facility for timing during the drying process. - The oven shall have glass window for specimen viewing during the drying process. Parameter Requirement. - Power supply: Single phase, 230V AC, 50HZ - Shell material: Spray paint anti-corrosion - Liner material: 304 Stainless steel - Temperature range: 0-300°C - Vacuum degree: ≤133P - Working temperature range: 1°C-40°C - Capacity: 50Kg - Air flow direction: Vertical down - Display: Digital - Oven type : With cabinets	Attach catalogue or brochure of the offered item
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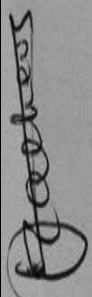
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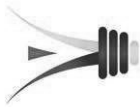
		■ Power : $\leq 4.5\text{kW}$ ■ Dimensions in mm: At most 530 by 400 by 440 ■ Timer range: 1-9999min	
67	Exothermic Welding Toolkit complete with accessories	➤ Exothermic System shall use high temperature reaction of copper oxide and aluminium inside a semi-permanent graphite mould to form electrical connections between copper and copper, copper and steel. ➤ No outside source of power or heat is needed when using the exothermic system. ➤ The system shall be light and completely portable. ➤ Creating joint shall require the mould, welding powder; handle clamp, various tools and cleaning accessories. Applications of exothermic welding system. ➤ Substations and power plants grounding systems. ➤ T and D Distribution lines. Features of Exothermic welding system.	➤ State Manufacturer ➤ State Model ➤ State Technical parameters of the offered model ➤ Attach catalogue or brochure of the offered item

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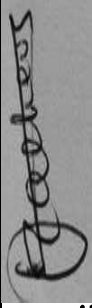
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	➤ High current carrying capacity ➤ High current surge resistance. ➤ Sparkles connections ➤ Stable transition resistance ➤ High corrosion resistance. ➤ Good mechanical parameters. ➤ Quick connection time. ➤ Shall be used for a variety of standard connection configurations. ➤ Completely portable. Conductor sizes. ➤ The exothermic welding system shall be capable of joining conductors of 50 mm², 70mm², 95mm² and 120mm² ➤ The exothermic welding system shall be capable of performing conductor to conductor (straight joint),	
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	conductor to conductor horizontal cross tap, conductor to conductor Tee connection, conductor to Earth rod L type.	
68	- Portable Earthing Equipment used for temporary earthing in high voltage substations and on transmission lines 400KV - Portable Earthing Equipment for Substations shall be rated 40kA, for 1 second - The complete kit shall be suitable for single pole earthing by use of single leads and a set shall constitute 3 leads, one for each phase. - comprises the following components: - Earth End Clamp. - C- type Line End Clamp for conductors with a maximum jaw opening of at least 50 mm diameter for 400kV CMEs. - Flexible conductor with terminations. 3 line end clamps (clamping capacity on round conductors). 3 flexible copper cables with transparent insulation. 3 ground end clamps (clamping capacity on round conductors and frames).	- State Manufacturer - State Model - State Technical parameters of the offered model - Attach catalogue or brochure of the offered item

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	- Compliant with IEC 61138 and IEC 61230 - Portable Earthing Equipment shall be supplied complete with reinforced carrying bag	
69	400kV Extensible hot sticks - HV Insulating sticks for maneuvering detectors & short-circuiting and earthing systems. - The link sticks should be suitable for use at respective applicable voltage at 420kVAC. - Insulated detachable fiberglass link stick (length for at least for 10m for 400kV - Complete sets of sticks shall comprise 1 bottom section, intermediate sections and 1 top section. - Compliant with IEC 61235 - the link sticks shall be supplied complete with reinforced carrying bag	- State Manufacturer - State Model - State Technical parameters of the offered model - Attach catalogue or brochure of the offered item

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Bidder's Name, Signature, Stamp and Date

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