



Reg No 2003/011612/30

CD 42/2023

**SUPPLY AND DELIVERY OF TOOLS, PLANT AND
EQUIPMENT FOR CENTLEC (SOC) LTD**

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1. STATEMENT OF INVITATION

CENTLEC (SOC) Ltd a Municipal Entity distributing electricity in Mangaung Metro and other Municipalities invites suitable bidders to bid for the supply and delivery of tools, plant and equipment for CENTLEC (SOC) Ltd. This appointment will be valid for thirty-six (36) months.

1.2 Specified Goals for Preferential Point System

Specified Goals	Points Allocation
50% Black owned	10
50% Women owned	5
50% Youth owned <35 years	5
Total Points	20

2. MINIMUM REQUIREMENTS

- 2.1 Supply unique security personal identification number (PIN) from SARS for TAX compliant status and submit original valid Tax Clearance Certificate
- 2.2 Supply municipal services (water, sanitation, rates and electricity) clearance certificate or Lease Agreement with a current Bill and rates clearances, or Current Bill of Account not owing more than 90 days. In a case where the services are paid by the Landlord, the signed lease agreement and statement of account must be submitted by the bidder.
 - 2.2.1 In an event, that the Bidder utilizes prepaid services (e.g. Water or electricity) a valid municipal clearance certificate(s) must still be provided.
- 2.3 The bidder must be registered with National Treasury Data Base of suppliers and proof thereof must be submitted.
- 2.4 Please note that the Special Conditions table as per point 3 below, needs to be met. All supporting documents needs to be submitted where applicable.

3. SPECIAL CONDITIONS OF THE CONTRACT

Take Note that it is compulsory for Bidders to complete the table in full.

Description	Yes	No	Submit Documentation
Please note that CENTLEC (SOC) Ltd reserves the right to appoint more than one bidder where applicable.			N/A
Only tools that is manufactured to industrial type design will be accepted.			Submit commitment letter upon appointment
Tools that are offered must have the following on the bidding pricing schedules.			N/A
The service provider will be responsible for cost of replacement of any tool that does not last the warranty or guarantee period as specified in the bid document.			Submit warranty or guarantee upon delivery

4. SCOPE OF WORK

The successful bidder will have to supply and deliver to CENTLEC (SoC) Ltd with various tools, plant and equipment as per technical specifications and schedules below. It is compulsory that all schedules must be completed with brand name, model and series numbers must be included on what the prospective bidder is offering.

5. TECHNICAL SPECIFICATION

The following tools, plant and equipment are to be supplied by the successful bidder and this list must be completed (Compulsory) with the brand name and model numbers. **All tools and equipment on offer, including all the sizes, must be of heavy-duty industrial type.** Table 1 below is meant for specifications and sizes only, a separate table for the pricing schedule is provided from table 13 below. All tables **MUST** be completed.

Table 1: Tools list (hand tools)

NO	DESCRIPTION OF ITEM	BRAND NAME	Sizes	PRODUCT CODE/ Model number.	Indicate the warranty and guarantee per item. (Minimum 12 months)
1.	Allen Keys (set) Set of 10 With a ratchet, short and long extensions. Sizes: 11 – 20mm				
2.	Allen Keys (set) Set of 10 Sizes 1,5 – 10mm				
3.	Steel Chisel 19mm x 250mm				
4.	Steel Chisel 25mm x 250mm				
5.	Square: Combination Set (300mm ruler)				
6.	Hammer: Ball pen 750g				
7.	Carpenter Claw hammer 350g				
8.	Spirit Level: 450mm				
9.	Measuring Tape: 5m				
10.	215mm Combination Pliers Electrician insulated 1000V				
11.	215mm Insulated Diagonal Side Cutters				
12.	215mm Insulated Long nose Pliers Electrician insulated 1000V				
13.	300mm Water pump Pliers Electrician insulated 1000V				
14.	Punch: Centre 150mm				
15.	Saw: Junior Hacksaw				
16.	Saw: Large Steel Hacksaw				
17.	7 Piece Heavy Duty 1000V 3mm to 10mm, insulated Flat Screwdriver Set			(KTK0707SG)	
18.	Spanner: Shifting 200mm Electrician insulated 1000V				
19.	Spanner: Shifting 300mm Electrician insulated 1000V				
20.	Spanner: Shifting 150mm Electrician insulated 1000V				

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NO	DESCRIPTION OF ITEM	BRAND NAME	Sizes	PRODUCT CODE/ Model number.	Indicate the warranty and guarantee per item. (Minimum 12 months)
21.	6 Piece Heavy Duty 1000V 3mm to 8mm, insulated Star Screwdriver Set				
22.	Tin Snip 250mm				
23.	Vice Grip 250mm				
24.	Adjustable Wrench 250mm				
25.	Adjustable Wrench 450mm				
26.	Linemen`s Wrench (Ratchet Spanner) 10/13 Electrician insulated 1000V				
27.	Linemen`s Wrench (Ratchet Spanner) 17/19 Electrician insulated 1000V				
28.	Linemen`s Wrench (Ratchet Spanner) 19/24 Electrician insulated 1000V				
29.	Linemen`s Wrench (Ratchet Spanner) 24/30 Electrician insulated 1000V				
30.	Carpet Knife (with replaceable blade.)				
31.	Carpet Knife replaceable blades				
32.	300mm Flat File C/W Handle				
33.	300mm Round File C/W Handle				
34.	300mm Half-Round File C/W Handle				
35.	6mm (150mm) Round File with Handle				
36.	3/4 Ton Ratchet Hand Chain Puller (Not Chain Blocks)				
37.	1 Ton Ratchet Hand Chain Puller (Not Chain Blocks)				
38.	Wire Grip Clamp with ring – to take 7/8 Stay wire, Fox, Mink, Hare, Centipede & Wolf (to be used with Chain Puller)				
39.	Telescopic switch/substation link stick CE421K (2 meters Insulating pole) Complete with all Fittings and carry bag				
40.	Triangular Telescopic Insulating Fibreglass Link Stick				

NO	DESCRIPTION OF ITEM	BRAND NAME	Sizes	PRODUCT CODE/ Model number.	Indicate the warranty and guarantee per item. (Minimum 12 months)
	Extendable to 12m, Maximum Voltage Of 830kV With All Fitting and Carry Bag.				
41.	Heavy Duty Bench Vice with Removable 150mm Bits				
42.	750mm Heavy Duty Bolt cutter with PVC Hand Grips				
43.	Heavy Duty Cable Cutter 50mm jaw with 750mm Long PVC Hand Grips				
44.	Tie Down Straps Complete Set. 6m x 3Ton, with Ratchet SANS approved				
45.	1Ton Steel Chain Sling 1.5 m legs, with safety hooks SANS approved				
46.	50mm D Shackles. 1 Ton Complete SANS approved				
47.	50mm U Bolts. 1 Ton Complete SANS approved				
48.	150mm Steel Scriber				
49.	Metric Socket Set 8 – 32mm, ½ inch drive with ratchet, strong arm and extensions				
50.	Ratchet Crimping Tool 6-16mm with insulated handles 1000 Volts			AK18	
51.	600mm Steel metric Ruler stainless steel				
52.	300mm Steel metric Ruler stainless steel				
53.	Portable 5 Tray Toolbox epoxy coated steel				
54.	20mm Chassis Punch Heavy Duty				
55.	25mm Chassis Punch Heavy Duty				
56.	35mm Chassis Punch Heavy Duty				
57.	HSS Heavy Duty Hole Saw 20mm				
58.	HSS Heavy Duty Hole Saw 25mm				
59.	HSS Heavy Duty Hole Saw 32mm				
60.	HSS Heavy Duty Hole Saw 50mm				
61.	Heavy Duty Strapping/Binding Tool galvanised for 20mm steel straps and buckles (must have snip action for straps)				
62.	20mm steel strap and buckles				
63.	Fibre Glass Ladder: 10m when extended SANS approved				

NO	DESCRIPTION OF ITEM	BRAND NAME	Sizes	PRODUCT CODE/ Model number.	Indicate the warranty and guarantee per item. (Minimum 12 months)
64.	Fibre Glass Ladder: 7m when extended SANS approved				
65.	Fibre Glass 6 Step Ladder: SANS approved				
66.	Ladder: 3 steps Aluminium SANS approved				
67.	Ladder: 6 steps Aluminium SANS approved				
68.	Ladder: 10 steps fibre glass. SANS approved				
69.	Kit: LP Adjustable Gas burner with a 12m hose, clamps and adjustable regulator SANS approved				
70.	Automatic darkening - Arch Welding Helmets – adjustable				
71.	Full body safety Harness Front & Rear type “D” (Double Hook), Buzz loops on chest, padded waist and inter-grated seat, Flame retardant. Complete with shock absorbing 1.5m cord. SANS Approved				
72.	Building Trawl 350 mm stainless steel with PVC handle				
73.	Plaster Trawl 350 mm stainless steel with PVC handle				
74.	Levelling trawl 350 mm stainless steel with PVC handle				
75.	Float level Aluminium 2m				
76.	Spirit Level– line type				
77.	Building line yellow PVC 50m				
78.	Steel Square 400 mm – stainless steel				
79.	Plump line weight				
80.	Corner trawl 250 mm stainless steel with PVC handle				
81.	Builders Jinter 350mm – stainless steel with PVC handle				
82.	Steel Wheel Barrow builders type – epoxy coated with rubber wheel				
83.	Steel Wheel Barrow garden type – epoxy coated with rubber wheel				
84.	Rechargeable Led Head Lamp with adjustable/stretch Headband (Stretch Material for Forehead) 300 lumen				
85.	Heavy Duty 750 lumen/10 Watt LED Power Spotlight (12V & 24V) with Rechargeable Lithium - Iron battery with Charger				

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NO	DESCRIPTION OF ITEM	BRAND NAME	Sizes	PRODUCT CODE/ Model number.	Indicate the warranty and guarantee per item. (Minimum 12 months)
86.	Ultra Power 50W 360° LED Remote Controlled Spotlight Search Light: Power: 50W Voltage: DC 12-24V Max Light Output: 6000 LM Operating Light Output: 5000 LM LED Type: 10x 5W high-intensity LEDs Beam Type: Spot Color Temperature: 6000K (Pure White) Certification: CE, RoHS, IP67				

Table 2: Plant List & Tools

NO	DESCRIPTION OF ITEM	BRAND NAME	Sizes	PRODUCT CODE/ Model number.	ITEM OFFERED – YES or NO(indicate the warranty and guarantee here) (12 months)
1.	7kW, Single phase, Generator: Automatic Self-starter. Voltage 250V with Volt meter. Output circuit breaker No oil cut-out switch. Portable with carry handles. Fuel tank level indicator. Engine cut off switch				
2.	Single Phase, High Pressure Washer with Diesel Burner with automatic soap dispenser, including 20m hosepipe and all fittings. 30 - 180 bar				
3.	Telescopic (Pole Pruner) Chain Saw HT 135 (Petrol)				
4.	Handheld Chain Saw MS 382, 37cm b/chain (Petrol)				
5.	Bundle CONDUCTOR Pulleys				
6.	Oil Pump, Electric 250 volt, 15 meter head height pump				
7.	Oil Pump Petrol/diesel 15 meter head height pump with complete quick couplings and fittings with 20m pipe. Oil resistant pipes.				
8.	Submersible Water Pump 2200W electrical 250V. (Dirty Water) With complete quick couplings and 20m pipe.				
9.	6.5 Horse Power Water pump Petrol complete with all quick couplings and pipes. Inlet				

	protected, non-return valve. Outlet pipe 20m meters long				
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Table 3: SHE Equipment

NO	DESCRIPTION OF ITEM	BRAND NAME	Sizes	PRODUCT CODE/ Model number.	ITEM OFFERED – YES or NO(indicate the warranty and guarantee here) (Minimum 12 months)
1.	FIRST AID KIT portable soft bag:- <ol style="list-style-type: none"> 1. Plaster non allergic (Waterproof) 2. Bandages 25mmX3m 3. Gauze Swabs Sterile 4. Scissor 5. Safety pins 6. Wound cleaning solution 7. Splints (Green) 8. Triangle bandages 9. Forceps for splinters 10. first aid dressing 150mm x 200mm 11. Disposable latex gloves 12. CPR mouthpiece 13. 2 x Eye pads 				
2.	Oil Spill Kit Complete: (430 L Wheelie Bin) <ol style="list-style-type: none"> 1. 10 x oil pads 2. 10 x oil pillows 3. 2 x Absorbing sock Thick Boom (3m x18cm) 4. 10 x recovery bags 5. 4 x loose ANA-fibre 25 L bags. 6. 2 x Safety goggles 7. 2 x pair of Oil resistant gloves 8. 2 x chemical suits 9. 2 x Tyvek overalls <p>Help-it spill solutions or equivalent</p> <p>Please price the above items also individually for replacement purposes.</p>				
3.	Reflective Barrier Netting 50m long x 2m high x 11kg weight: <ol style="list-style-type: none"> 1. Drawstring top, middle and bottom for attachment. 2. High definition colours, orange and yellow complete with silver reflective. 3. UV protective. 4. Chemical resistant. 				

	5. Extra strength and flexible. MR/06R(2m) or equivalent				
4.	Barrier Netting 50m long x 2m high x 11kg weight: <ol style="list-style-type: none"> 1. Drawstring top, middle and bottom for attachment. 2. High definition colours, orange and yellow complete with silver reflective. 3. UV protective. 4. Chemical resistant. 5. Extra strength and flexible. 6. Holding up poles 2m high with concrete stand MR/06R(2m) or equivalent				

Table 4: Protection & Metering Tools

NO	DESCRIPTION OF ITEM	BRAND NAME	Sizes	PRODUCT CODE/ Model number.	ITEM OFFERED – YES or NO(indicate the warranty and guarantee here) (Minimum 12 months)
1.	Dumpy Screwdriver (flat)				
2.	Dumpy Screwdriver (Star 1)				
3.	Dumpy Screwdriver (Star 2)				
4.	Screwdriver star no 2				
5.	Screwdriver star no 3				
6.	Wire Stripper				
7.	200mm Combination Plier 1000V				
8.	200mm Side Cutter 1000V				
9.	Crimping Tool 1mm to 6mm				
10.	Insulated Crimping Tool YYT1				
11.	Pop rivet gun				
12.	Set of Open/Ring Spanners 6 - 32mm				
13.	Deep Socket set 27pc From 13mm to 34mm				
14.	Set of Tube Spanner (7) 8mm to 13m Kew				
15.	12 mmx300 mm Round File				
16.	10 mmx300 mm Round File				
17.	8 mmx200 mm Round File				
18.	6 mmx200 mm Round File				
19.	Line Tester 750 VAC, 200V DC				
20.	Electric Soldering iron 30W				
21.	12V Flash Light LED 10W ,400 lumen, rechargeable lithium ion battery complete with charger 12V and 230V				
22.	Insulation Resistance Tester 1000V				
23.	Tong tester (Clamp Meter) AC/DC 1000 Amps				
24.	Multi-meter – electrical digital display				

25.	Multi-meter – electrical analog dial				
26.	Drilling Machine 250Volt, 2050W, 13mm chuck, 2 speed hammer action				
27.	SDS Drilling Machine 900W 250Volt, 2 speed hammer action				
28.	SDS Drill Bits 5mm, 6mm, 8mm,10mm,12mm,14mm,16mm ,22mm				
29.	Extension lead – 20m 2.5mm ² on reel with double socket outlet 16 Amp, 230 Volt. (SANS Approved)				
30.	Portable Earth leakage 30mA complete with 2m x 2.5mm ² extension lead, plug top and double socket outlet 16Amp.				
31.	Banana Clamp Clip Leads 2.5mm ² red 1m length (one end banana and the other end crocodile clamps)				
32.	Banana Clip Leads 2.5mm ² 1m length black (one end banana and the other end crocodile clamps)				
33.	Crocodile clips with connecting socket for banana clip in. 2.5mm ²				
34.	Labelling Machine: <ul style="list-style-type: none"> • Lightweight and portable. • Easy-type QWERTY keyboard. • Easy-view graphical display for easy preview before printing. • One-touch keys for easy access to fonts, styles and frames. • 3 fonts, 14 frames and more than 250 symbols. • Useful cable labeling feature to easily organize your wires and cables. • Stores up to 15 labels for quick reprinting. 				
35.	Labelling tapes for the same machine as per line item 34. White on green Black on white Red on white				
36.	Jig Saw industrial type 1000 watt				
37.	Jig Saw blades for wood & steel for same Jig Saw				
38.	Clamp meter: 1000 Amp AC and DC Current measurement & 2500 Amp AC Current measurement with iFlex Probe				

1000 Volt AC and DC Voltage Measurement Capacitance, Resistance and Continuity function millivolt and frequency and frequency measurement functions Inrush current recording and Min/Max/Avg measurement functions CAT IV 600V, CAT III 1000 safety rating					
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Table 5: Machinery List

NO	DESCRIPTION OF ITEM	BRAND NAME	Sizes	PRODUCT CODE/ Model number.	LEAD TIME	ITEM OFFERED – YES or NO(indicate the warranty and guarantee here) (12 months)
1.	18Volt Battery Operated Drilling Machine 13mm claw, 2 speed, complete with charger 220V AC					
2.	HSS Heavy Duty Drill Bit Set 3mm – 13mm in Steel Container (Half and full numbers sizes in between)					
3.	Impact Wrench: 18V LXT BL Brushless Cordless 3-Speed 12.7 mm 280 N·m, Reverse Rotation Auto Stop Mode: Voltage / Max fastening torque: 18V 5.0Ah - 4.0Ah - 3.0Ah - 1.5Ah / 280N.m Capacity: Standard bolt: M10-M20 High tensile bolt: M10-M16, Square drive: 12.7mm No load speed: Hard: 0-2,800 Med: 0-2,100 Soft: 1,600r/min Impacts per min: Hard: 0-3,500 Med: 0-2,600 Soft: 1,800r/min Dimensions (LxWxH) / Net weight: 147 x 79 x 249mm / 1.5kg					
4.	Impact Wrench: 18V spare battery for line item 3					
5.	Petrol Hand Wood pole Drill(Augur) 20mm bit complete with hand brace					
6.	Petrol Hand Wood pole Drill(Augur) 22mm bit complete with hand brace					
7.	Angle Grinders: Big 2200W					
8.	Angle Grinders: Small 850W					
9.	250A Inverter Welder, complete with 5m x 35mm ² Cu welder cables and clamps					
10	Hand Hydraulic Crimper with a Full Set of Dies Hexagon copper – 35mm ² , 70mm ² , 95mm ² , 120mm ² , 185mm ² , 240mm ² & 300mm ²					

	Indent (Aluminium) – 70mm ² , 95mm ² , 120mm ² and 185mm ² Sectorial Low Voltage Cables NB- provide also a price per set of dies					
11	Hydraulic Crimping tool machine petrol/diesel with 5m pipes and crimping head for: Indent (Aluminium) 120mm ² , 185mm ² , 300mm ² , 500mm ² and 800mm ² , Medium Voltage Cables Hexagon , 240mm cu and 300mm Cu. Complete with quick couplings NB- provide also a price per set of dies					
12	Gas Pipe 10mm ² x 20m roll					
13	High Pressure Gas Regulator					
14	Safe gas adjustable Blowtorch 25/45/60					
15	Measuring Wheel: Mechanical Magnified Counter (1000 m with Comma digests) With Reset Button					
16	Packing punches 6mm,8mm,10mm,12mm,16mm,20mm,25mm,50mm					
17	Packing cutters with a 250mm diameter					
18	GPS unit with touch screen					
19	Sets of Stencils: 100mm A-Z and 0-9 80mm A-Z and 0-9 50mm A-Z and 0-9 NB- Price per stencil set					
20	2 Kg Hammer					
21	10 Kg Hammer					
22	Steel funnel 4 litres/8mm exit					
23	10M Measuring tape (Builders type)					
24	300mm G-Clamps forged iron					
25	250mm G-Clamps forged iron					
26	100mm G-Clamps forged iron					
27	1m T-Clamp forged iron					
28	2m T- Clamp forged iron					
29	Orange road danger cones 750mm High PVC Type With reflecting tape SANS approved					
30	80mm x 10m rope fibre tie-down with ratchet. 50mm x 10m rope fibre tie-down with ratchet. 25mm x 5m rope fibre tie-down with ratchet. SANS approved					
31	2 ton rope fibre sling (50mm wide x 2m long) 3 ton rope fibre sling (50mm wide x 2m long) 2 ton rope fibre sling (80mm wide x 2m long) 3 ton rope fibre sling (80mm wide x 2m long) SANS approved NB- Price per sling size					

32	Drill bits Cement high grade tungsten tip :- Normal length: 6mm,6.5mm,8mm,8.5mm,10mm,10.5mm 12mm, 13mm,16mm,18mm,20mm. Special length: 8mm x 300mm, 13mm x 300mm,20mm x 300mm NB- Price per drill bit size					
33	Concrete drill bits, high grade tungsten tip: Sizes - (6, 8, 12,13,16,18,20,25)mm NB - Price per drill bit size					
34	Insulation/polarity tester 60/80/100 kV Automatic Transformer					

Table 6: SCADA Tools

NO	DESCRIPTION OF ITEM	BRAND NAME	Sizes	PRODUCT CODE/ Model number.	ITEM OFFERED – YES or NO(indicate the warranty and guarantee here) (Min 12 months)
1.	Complete SCADA toolkit, RSA (complete with case - loose tool items must fit in the existing case, Item 2-56 below is the individual tools inside the toolkit)				
2.	Spring hook, double ended, brn 2-132				
3.	S/driver, jeweller 4 flat & Philips bits in handle				
4.	Wrist strap, 3 snap 4 ban, croc clip s/blue				
5.	Magnetic pickup, telescopic & pen 630mm				
6.	Tweezer, positioning 4,5mm tip,140mm				
7.	Tape measure 3m,12ftmet./imp				
8.	Cutter heavy duty-redline 165mm				
9.	Cutter side box joint senso plus 115mm				
10.	Plier combination 160mm				
11.	S/driver engineers 8x150mm				
12.	S/driver/stubby, slot 1/4 " 6.5x 25mm				
13.	S/driver electrician 3.0x75mm				
14.	Knife trimming retractable 160mm				
15.	Headlamp -led 1 watt 20 lumen with battery				
16.	Work light -24 led+3led torch magnet				
17.	Screw starter torx / pozi / Philips screws, lge				
18.	Butane gas for gas irons 300ml				
19.	Hammer ,100g ball pin				
20.	Soldering iron, 50w, 220v, temp control				
21.	De-solder tool mini silver				

22.	All-purpose water repelling, penetrating oil, aerosol spray				
23.	Case, black, vinyl, 490x360x170mm				
24.	Foam bottom 1808 toolkit 0199				
25.	Table mat 430mmx315mm toolkit lid beige				
26.	File flat 150mm second cut				
27.	Shifter phosphate finish 150mm				
28.	Side cutter blue handles on display card				
29.	Mirror swivel plastic				
30.	S/driver, neon 100-500volt,3x40mm blade				
31.	Holder screw 4x200mm				
32.	Cord, grounding 10mm, Snapp & eye 1,5m s2				
33.	Tweezer universal 1mm tip 115mm				
34.	Tweezer universal bent 1.5mm tip 1.5mm				
35.	Plier water pump 7" 175mm				
36.	Plier, snipe-serrated jaw s/plus 150mm				
37.	Plier ,snipe nose-senso plus135mm				
38.	S/driver, engineers 6x100mm				
39.	S/driver Philips 0x60mm				
40.	S/driver Philips 2x100mm				
41.	S/driver stubby Philips 1x25mm				
42.	S/driver electrician 5.0x150mm				
43.	Scriber engineering, double ended(s1712)				
44.	Torch penlight aluminium 1w 2aa, kar				
45.	Solder dispenser+2.5m solder, kes s/d				
46.	Brush 25mm everyman				
47.	Insulation tape, 3M 18mmx20m, black				
48.	Sponge for magnum solder stations, mag				
49.	Porta sol gas solder iron.				
50.	Scissor 150mm straight sharp/sharp				
51.	Nick nack parts box.				
52.	Foam top for 1808 toolkit 0197				
53.	Tray large for 17/1800 kits 425x333x25mm				
54.	File handle, small plastic 85mm				
55.	Multi tool black, vik multi tool				
56.	Wire stripper and cutter				

Table 7: SCADA Equipment

NO	DESCRIPTION OF ITEM	BRAND NAME	Sizes	PRODUCT CODE/ Model number.	ITEM OFFERED – YES or NO(indicate the warranty and guarantee here) (12 months)
1.	Electric Pressure Calibrator				
2.	Oscilloscope 40mhz				
3.	Bench Power supply (0-30v,0-10a)				
4.	Current injection source 18 VDC input, 0-20 mA output				
5.	De-soldering station				
6.	Soldering station with temperature control for electronic use				
7.	Handheld labeller				
8.	Handheld labeller cartridges: 8.1 Outdoor Vinyl XC-1500-580-WT-BK 38mm x 9.1 m black on white Roll. 8.2 Vinyl Self-Lam XSL-31-427 black on white 25 x 38 x 13mm 250 pcs				
9.	Telescopic ladder 3.8m for 160kg person				
10.	Fibre optic light source (multi and single mode)				
11.	Fibre optic meter (multi and single mode)				
12.	Multi-meter – electronic i. Measure AC Voltage: 600mV to 1000V ii. Measure DC Voltage: 600mV to 1000V iii. Measure Resistance: 600 Ω to 50 M Ω iv. Measure Capacitance: 1000nF to 9999 μ F v. Test for Continuity: Range should be up to 600 Ohms (Product beeps at <25 Ω ; beeper turns off at > 250 Ω , detects opens or shorts of 250 μ s or longer) vi. Test Diodes: 2.400 V vii. Measure Temperature: -40 $^{\circ}$ C to +400 $^{\circ}$ C viii. Measure AC Amps (True RMS 45Hz to 1 kHz): 60mA to 10 A ix. Measure DC Amps: 60mA to 10A x. AC Zero Input Behavior of True-rms Meters xi. Measure Frequency: (AC OR DC coupled, V or A input) : 99.99Hz to 99.99kHz				

	xii. Maximum voltage between any terminal and earth ground - 1000 V xiii. Fuse Protection for mA inputs - 0.44 A, 1000 V, IR 10 kA xiv. Fuse Protection for A input - 11 A, 1000 V, IR 17 kA xv. Display: Digital - 6000 counts, updates 4/sec, Frequency - 10,000 counts, Capacitance - 1000 counts. xvi. Safety rated CAT III 1000 V, CAT IV 600 V xvii. Must have a lifetime warranty.				
13.	Bench vice – 80mm wide bit, table mountable				
14.	4 to 20 Milliamp Process Clamp Meter with crocodile type CT clamp on (0.2% accuracy)				

Table 8: Electrical Measuring Tools

NO	DESCRIPTION OF ITEM	BRAND NAME	Sizes	PRODUCT CODE/ Model number.	LEAD TIME	ITEM OFFERED – YES or NO(indicate the warranty and guarantee here) (Min 12 months)
1.	Digital 250-500-1000V Insulation Resistance Tester					
2.	Digital Clamp on Ammeters (Tong Tester)					
3.	Digital Multi meter 750V					
4.	Duspol Tester 750V Wibre /					
5.	Phase Rotation Meter Major					
6.	Earth Loop Tester T1825					
7.	Polarity Tester					
8.	CONTACT VOLTAGE DETECTOR for 3-10kV with fittings. Comply with IEC-61243-1					
9.	CONTACT VOLTAGE DETECTOR for 10-36kV with fittings. Comply with IEC-61243-1					
10.	VOLTAGE DETECTOR for 63-150kV with fittings. Comply with IEC-61243-1					
11.	SINGLE POLE PHASE COMPARATOR 11KV - 30KV MEDIUM & HIGH VOLTAGES •Voltage – 10kV up to 11kV 30kV •Type LF 22 – 9V •Aerial Total Length – 1.15m •Weight – 950g					

12.	<p>TCTDT Digital Compliance kit Complete:</p> <ol style="list-style-type: none"> 1. Sturdy case with foam cut outs for instruments. 2. T1851 Digital insulation tester. 3. T1825 Loop/PSC tester 4. T1820 Digital earth resistance tester. 5. TEL1TLB ELCB Polarity socket tester. 6. TBM3030 Digital clamp meter. 7. T887 LCD Phase rotation meter <p>TCTDT Digital Compliance kit (COC) (Please tender on the existing set too for replacement purpose)</p>					
13.	<p>Penetrometer tester complete with:</p> <ul style="list-style-type: none"> • One 8 kg Hammer • Upper Rod • 900mm Ruler • Bottom Rod <p>DCP Dynamic Cone</p>					
14.	The QualiTrack 3 with software for operation					
15.	The PowerTrack with software for operation					
16.	Three Phase Energy Test System with the Software					
17.	Amp-stick Sensorlink –					
18.	Metering CT Analyzer					

Table 9: General Engineering Tools

NO	DESCRIPTION OF ITEM	BRAND NAME	Sizes	PRODUCT CODE/ Model number.	ITEM OFFERED – YES or NO(indicate the warranty and guarantee here) (Min 12 months)
1.	Binocular 50 x 10 complete with carry bag				
2.	Scale ruler				
3.	Pi-tape measure 1m – for pole diameter measuring				
4.	Digital Camera – min 12Mpix with 20x stabilized zoom, autofocus & flash –Complete with carry bag				
5.	NiMH Battery charger- 4 x AA or AAA –complete with 8 x AA ±2500mAh NiMH rechargeable batteries				

Table 10: Portable Earthing Equipment

NO	DESCRIPTION OF ITEM	BRAND NAME	Sizes	PRODUCT CODE/ Model number.	ITEM OFFERED – YES or NO(indicate the warranty and guarantee here) (Min 12 months)
1.	<p>Control Earth Substation Kit (Red) 1-33kV Rated at 8kA/1sec</p> <p>1.1 Phase Connecting Element. Standard Phase Screw clamps with the following properties. Clamping range 10 mm to 65 mm. Maximum short-circuit current 20 kA.</p> <p>1.2. Single pole Earthing and Short-circuiting Cables.</p> <p>Cables with the following properties.3 cables by 12 meter in length. 35 mm² E-Cu Cable, extra finely stranded and highly flexible. Sheath must be Thermoplastic polymer (flexible PVC compound YM2), uncoloured and transparent. Hole in terminal lug 12.5 mm. Operating temperature range – 25° C to + 55° C</p> <p>1.3. Earth Connecting Elements.</p> <p>Earth Milling Clamp for flat Profiles with the following properties. Clamping range of up to 30 mm. Maximum short-circuit current 20 kA.</p> <p>1.4. Applicator head to be used on standard Phase Screw clamps.</p> <p>1.5. Heavy duty carry bag.</p>				
2.	<p>Control Earth Substation Kit (Red) 1-33kV Rated at 8kA/1sec</p> <p>1.1 Phase Connecting Element. Standard Phase Screw clamps with the following properties. Clamping range 10 mm to 65 mm. Maximum short-circuit current 20 kA.</p> <p>1.2. Single pole Earthing and Short-circuiting Cables.</p> <p>Cables with the following properties.3 cables by 6 meter in length. 35 mm² E-Cu Cable, extra finely stranded and highly flexible. Sheath must be Thermoplastic</p>				

	<p>polymer (flexible PVC compound YM2), uncoloured and transparent. Hole in terminal lug 12.5 mm. Operating temperature range – 25° C to + 55° C</p> <p>1.3. Earth Connecting Elements.</p> <p>Earth Milling Clamp for flat Profiles with the following properties. Clamping range of up to 30 mm. Maximum short-circuit current 20 kA.</p> <p>1.4. Applicator head to be used on standard Phase Screw clamps.</p> <p>1.5. Heavy duty carry bag.</p>				
3.	<p>Working Earth Kit for reticulation line</p> <ul style="list-style-type: none"> • Cable size (copper with PVC sheathing): 16sq mm • Fault level: 3kA / 1sec • Cable sheathing colour: yellow, translucent • Phase to phase jumpers (snap on clamps on both ends): 4off x 2.5m length • Phase to cluster bar jumper (snap on clamps on one end, & earth clamp on other): 2off x 10m length • Cluster bar to earth jumper. Earth clamps on both ends: 1off x 4m in length • Cluster bar. Aluminium with ratchet & webbing: 1off • Applicator head (to apply & remover snap on clamps) 1off • 1 x Heavy duty carry bag 				
4.	Digital Insulation Tester 10kV				
5.	Cable Locator With SD RxTx5W				
6.	Mobile cable testing and fault location system SPG40				
7.	Mobile cable testing and fault location system SPG32				
8.	Reflectometer For Fault Location				
9.	Cable Spiking Gun, Complete				
10.	Cable Spiking Gun Replacement Chisel 40mm				

11.	Cable Spiking Gun Cartridge's Red Extra Strong (50)				
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6. EVALUATION CRITERIA

All proposals submitted will be evaluated in accordance with the criteria set out in the policy of Supply Chain Management of CENTLEC (SOC) Ltd.

The most suitable candidate will then be selected. Please take note that CENTLEC (SOC) Ltd is not bound to select any of the bidders submitting proposals.

Furthermore, technical competence is the principal selection criteria, CENTLEC (SOC) Ltd will evaluate the technical criteria first, and will only look at the price and BBEE level of contribution if it is satisfied with the technical evaluation. As a result of this, CENTLEC (SOC) Ltd does not bind itself in any way to select the bidder offering the lowest price.

6.1 EVALUATION CRITERIA

6.1.1	Track Record and Previous Experience	Have they provided these in the last four years? Submit a maximum of four (4) letters of reference: a) Two (2) letters = 20 points ; b) Three (3) or more letters = 40 points	40
6.1.2.	Capacity	The evaluation of the bidder's overall ability to deliver the scope of work on time. Submit letters of referral reflecting account status from at least two suppliers of tools, plant and equipment or letters of commitment to open an account = 30 points No letters submitted = 0 points	30
6.1.4.	Local South Africa operational capability and economic investment	Does the bidder have a local office with operational capability? (a) Existing and established local office = 30 points a. (b) If not, but within RSA = 15 points	30
	TOTAL		100

Table 11: Evaluation criteria

A bidder who gets a minimum of 65 points and above will qualify to the next stage. Individual tenders would have to be evaluated according to the preferential point system. The bidder must score minimum points as follows:

Item 6.1.1 – 20 points

Item 6.1.2 – 30 points

Item 6.1.3 – 15 points, the Evaluation Criteria.

6.2 PRICE AND REFERENTIAL POINTS SCORING – STAGE 2 (Price and Specific Goals requirement)

All Bidders that have passed the technical evaluation threshold of 65 points would also be scored based the 80/20 principle where 80 Points is for the Price and 20 points for specific goals as per the detail given below.

6.3 Points awarded for price

A maximum of 80 Points is allocated for price on the following basis:

$$\text{Where } P_s = 80 \left[1 - \frac{P_t - P_{\min}}{P_{\min}} \right]$$

P_s = Points Scored for comparative price of bid under consideration

P_t = Comparative Price of bid under consideration

P_{\min} = Comparative Price of lowest acceptable bid

6.4 Points awarded for Specific Goals Requirement

In terms of Regulation 3.(1) An organ of state must, in the tender documents, stipulate— (a) the applicable preference point system as envisaged in regulations 4, 5, 6 or 7; (b) the specific goal in the invitation to submit the tender for which a point may be awarded, and the number of points that will be awarded to each goal, and proof of the claim for such goals in accordance with the table below;

Table 3: Specified Goals for Preferential Point System

Specified Goals	Points Allocation
50% Black owned	10
50% Women owned	5
50% Youth owned <35 years	5
Total Points	20

7. PRICING SCHEDULES

7.1 Quotation Price

Are the quoted prices firm for the full duration of the contract? Yes/No

CPI- Suppliers price list date: _____

The pricing schedules must be the same as the technical specification.

Table 13: Pricing Tools list (hand tools)

NO	DESCRIPTION OF ITEM	Unit of measure	Price in Rand.	Delivery time
1.	Allen Keys (set) Set of 10 With a ratchet, short and long extensions. Sizes: 11 – 20mm			
2.	Allen Keys (set) Set of 10 Sizes 1,5 – 10mm			
3.	Steel Chisel 19mm x 250mm			
4.	Steel Chisel 25mm x 250mm			
5.	Square: Combination Set (300mm ruler)			
6.	Hammer: Ball pen 750g			
7.	Carpenter Claw hammer 350g			
8.	Spirit Level: 450mm			
9.	Measuring Tape: 5m			
10	215mm Combination Pliers Electrician insulated 1000V			
11	215mm Insulated Diagonal Side Cutters			
12	215mm Insulated Long nose Pliers Electrician insulated 1000V			
13	300mm Water pump Pliers Electrician insulated 1000V			
14	Punch: Centre 150mm			
15	Saw: Junior Hacksaw			
16	Saw: Large Steel Hacksaw			
17	7 Piece Heavy Duty 1000V 3mm to 10mm, insulated Flat Screwdriver Set			(KTK0707S G)
18	Spanner: Shifting 200mm Electrician insulated 1000V			

NO	DESCRIPTION OF ITEM	Unit of measure	Price in Rand.	Delivery time
19	Spanner: Shifting 300mm Electrician insulated 1000V			
20	Spanner: Shifting 150mm Electrician insulated 1000V			
21	6 Piece Heavy Duty 1000V 3mm to 8mm, insulated Star Screwdriver Set			
22	Tin Snip 250mm			
23	Vice Grip 250mm			
24	Adjustable Wrench 250mm			
25	Adjustable Wrench 450mm			
26	Linemen`s Wrench (Ratchet Spanner) 10/13 Electrician insulated 1000V			
27	Linemen`s Wrench (Ratchet Spanner) 17/19 Electrician insulated 1000V			
28	Linemen`s Wrench (Ratchet Spanner) 19/24 Electrician insulated 1000V			
29	Linemen`s Wrench (Ratchet Spanner) 24/30 Electrician insulated 1000V			
30	Carpet Knife (with replaceable blade.)			
31	Carpet Knife replaceable blades			
32	300mm Flat File C/W Handle			
33	300mm Round File C/W Handle			
34	300mm Half-Round File C/W Handle			
35	6mm (150mm) Round File with Handle			
36	3/4 Ton Ratchet Hand Chain Puller (Not Chain Blocks)			
37	1 Ton Ratchet Hand Chain Puller (Not Chain Blocks)			
38	Wire Grip Clamp with ring – to take 7/8 Stay wire, Fox, Mink, Hare, Centipede & Wolf (to be used with Chain Puller)			
39	Telescopic switch/substation link stick CE421K (2 meters Insulating pole) Complete with all Fittings and carry bag			
40	Triangular Telescopic Insulating Fibreglass Link Stick Extendable to 12m, Maximum Voltage Of 830kV With All Fitting and Carry Bag.			
41	Heavy Duty Bench Vice with Removable 150mm Bits			
42	750mm Heavy Duty Bolt cutter with PVC Hand Grips			
43	Heavy Duty Cable Cutter 50mm jaw with 750mm Long PVC Hand Grips			
44	Tie Down Straps Complete Set. 6m x 3Ton, with Ratchet SANS approved			
45	1Ton Steel Chain Sling 1.5 m legs, with safety hooks SANS approved			
46	50mm D Shackles. 1 Ton Complete SANS approved			
47	50mm U Bolts. 1 Ton Complete			

NO	DESCRIPTION OF ITEM	Unit of measure	Price in Rand.	Delivery time
	SANS approved			
48	150mm Steel Scriber			
49	Metric Socket Set 8 – 32mm, ½ inch drive with ratchet, strong arm and extensions			
50	Ratchet Crimping Tool 6-16mm with insulated handles 1000 Volts			AK18
51	600mm Steel metric Ruler stainless steel			
52	300mm Steel metric Ruler stainless steel			
53	Portable 5 Tray Toolbox epoxy coated steel			
54	20mm Chassis Punch Heavy Duty			
55	25mm Chassis Punch Heavy Duty			
56	35mm Chassis Punch Heavy Duty			
57	HSS Heavy Duty Hole Saw 20mm			
58	HSS Heavy Duty Hole Saw 25mm			
59	HSS Heavy Duty Hole Saw 32mm			
60	HSS Heavy Duty Hole Saw 50mm			
61	Heavy Duty Strapping/Binding Tool galvanised for 20mm steel straps and buckles (must have snip action for straps)			
62	20mm steel strap and buckles			
63	Fibre Glass Ladder: 10m when extended SANS approved			
64	Fibre Glass Ladder: 7m when extended SANS approved			
65	Fibre Glass 6 Step Ladder: SANS approved			
66	Ladder: 3 steps Aluminium SANS approved			
67	Ladder: 6 steps Aluminium SANS approved			
68	Ladder: 10 steps fibre glass. SANS approved			
69	Kit: LP Adjustable Gas burner with a 12m hose, clamps and adjustable regulator SANS approved			
70	Automatic darkening - Arch Welding Helmets – adjustable			
71	Full body safety Harness Front & Rear type “D” (Double Hook), Buzz loops on chest, padded waist and inter-grated seat, Flame retardant. Complete with shock absorbing 1.5m cord. SANS Approved			
72	Building Trawl 350 mm stainless steel with PVC handle			
73	Plaster Trawl 350 mm stainless steel with PVC handle			
74	Levelling trawl 350 mm stainless steel with PVC handle			
75	Float level Aluminium 2m			
76	Spirit Level– line type			
77	Building line yellow PVC 50m			
78	Steel Square 400 mm – stainless steel			
79	Plump line weight			
80	Corner trawl 250 mm stainless steel with PVC handle			
81	Builders Jointer 350mm – stainless steel with PVC handle			
82	Steel Wheel Barrow builders type – epoxy coated with rubber wheel			
83	Steel Wheel Barrow garden type – epoxy coated with rubber wheel			
84	Rechargeable Led Head Lamp with adjustable/stretch Headband (Stretch Material for Forehead) 300 lumen			
85	Heavy Duty 750 lumen/10 Watt LED Power Spotlight (12V & 24V) with Rechargeable Lithium - Iron battery with Charger			

NO	DESCRIPTION OF ITEM	Unit of measure	Price in Rand.	Delivery time
86	Ultra Power 50W 360° LED Remote Controlled Spotlight Search Light: Power: 50W Voltage: DC 12-24V Max Light Output: 6000 LM Operating Light Output: 5000 LM LED Type: 10x 5W high-intensity LEDs Beam Type: Spot Color Temperature: 6000K (Pure White) Certification: CE, RoHS, IP67			

Table 14: Pricing Plant List & Tools

NO	DESCRIPTION OF ITEM	Unit of measure	Price in Rand.	Delivery time
1.	7kW, Single phase, Generator: Automatic Self-starter. Voltage 250V with Volt meter. Output circuit breaker No oil cut-out switch. Portable with carry handles. Fuel tank level indicator. Engine cut off switch			
2.	Single Phase, High Pressure Washer with Diesel Burner with automatic soap dispenser, including 20m hosepipe and all fittings. 30 - 180 bar			
3.	Telescopic (Pole Pruner) Chain Saw HT 135 (Petrol)			
4.	Handheld Chain Saw MS 382, 37cm b/chain (Petrol)			
5.	Bundle CONDUCTOR Pulleys			
6.	Oil Pump, Electric 250 volt, 15 meter head height pump			
7.	Oil Pump Petrol/diesel 15 meter head height pump with complete quick couplings and fittings with 20m pipe. Oil resistant pipes.			
8.	Submersible Water Pump 2200W electrical 250V. (Dirty Water) With complete quick couplings and 20m pipe.			
9.	6.5 Horse Power Water pump Petrol complete with all quick couplings and pipes. Inlet protected, non-return valve. Outlet pipe 20m meters long			

Table 15: Pricing SHE Equipment

NO	DESCRIPTION OF ITEM	Unit of measure	Price in Rand.	Delivery time
5.	FIRST AID KIT portable soft bag:- 1. Plaster non allergic (Waterproof) 2. Bandages 25mmX3m 3. Gauze Swabs Sterile 4. Scissor 5. Safety pins 6. Wound cleaning solution 7. Splints (Green) 8. Triangle bandages 9. Forceps for splinters 10. first aid dressing 150mm x 200mm 11. Disposable latex gloves			

	12. CPR mouthpiece 13. 2 x Eye pads			
6.	Oil Spill Kit Complete: (430 L Wheelie Bin) 1. 10 x oil pads 2. 10 x oil pillows 3. 2 x Absorbing sock Thick Boom (3m x18cm) 4. 10 x recovery bags 5. 4 x loose ANA-fibre 25 L bags. 6. 2 x Safety goggles 7. 2 x pair of Oil resistant gloves 8. 2 x chemical suits 9. 2 x Tyvek overalls Help-it spill solutions or equivalent Please price the above items also individually for replacement purposes.			
7.	Reflective Barrier Netting 50m long x 2m high x 11kg weight: 1. Drawstring top, middle and bottom for attachment. 2. High definition colours, orange and yellow complete with silver reflective. 3. UV protective. 4. Chemical resistant. 5. Extra strength and flexible. MR/06R(2m) or equivalent			
8.	Barrier Netting 50m long x 2m high x 11kg weight: 1. Drawstring top, middle and bottom for attachment. 2. High definition colours, orange and yellow complete with silver reflective. 3. UV protective. 4. Chemical resistant. 5. Extra strength and flexible. 6. Holding up poles 2m high with concrete stand MR/06R(2m) or equivalent			

Table 16: Pricing Protection & Metering Tools

NO	DESCRIPTION OF ITEM	Unit of measure	Price in Rand.	Delivery time
1.	Dumpy Screwdriver (flat)			
2.	Dumpy Screwdriver (Star 1)			
3.	Dumpy Screwdriver (Star 2)			
4.	Screwdriver star no 2			
5.	Screwdriver star no 3			
6.	Wire Stripper			
7.	200mm Combination Plier 1000V			
8.	200mm Side Cutter 1000V			
9.	Crimping Tool 1mm to 6mm			
10.	Insulated Crimping Tool YYT1			
11.	Pop rivet gun			
12.	Set of Open/Ring Spanners 6 - 32mm			
13.	Deep Socket set 27pc From 13mm to 34mm			
14.	Set of Tube Spanner (7) 8mm to 13m Kew			
15.	12 mmx300 mm Round File			

16.	10 mmx300 mm Round File			
17.	8 mmx200 mm Round File			
18.	6 mmx200 mm Round File			
19.	Line Tester 750 VAC, 200V DC			
20.	Electric Soldering iron 30W			
21.	12V Flash Light LED 10W ,400 lumen, rechargeable lithium ion battery complete with charger 12V and 230V			
22.	Insulation Resistance Tester 1000V			
23.	Tong tester (Clamp Meter) AC/DC 1000 Amps			
24.	Multi-meter – electrical digital display			
25.	Multi-meter – electrical analog dial			
26.	Drilling Machine 250Volt, 2050W, 13mm chuck, 2 speed hammer action			
27.	SDS Drilling Machine 900W 250Volt, 2 speed hammer action			
28.	SDS Drill Bits 5mm, 6mm, 8mm,10mm,12mm,14mm,16mm,22mm			
29.	Extension lead – 20m 2.5mm ² on reel with double socket outlet 16 Amp, 230 Volt. (SANS Approved)			
30.	Portable Earth leakage 30mA complete with 2m x 2.5mm ² extension lead, plug top and double socket outlet 16Amp.			
31.	Banana Clamp Clip Leads 2.5mm ² red 1m length (one end banana and the other end crocodile clamps)			
32.	Banana Clip Leads 2.5mm ² 1m length black (one end banana and the other end crocodile clamps)			
33.	Crocodile clips with connecting socket for banana clip in. 2.5mm ²			
34.	Labelling Machine: <ul style="list-style-type: none"> • Lightweight and portable. • Easy-type QWERTY keyboard. • Easy-view graphical display for easy preview before printing. • One-touch keys for easy access to fonts, styles and frames. • 3 fonts, 14 frames and more than 250 symbols. • Useful cable labeling feature to easily organize your wires and cables. • Stores up to 15 labels for quick reprinting. 			
35.	Labelling tapes for the same machine as per line item 34. White on green Black on white Red on white			
36.	Jig Saw industrial type 1000 watt			
37.	Jig Saw blades for wood & steel for same Jig Saw			
38.	Clamp meter: 1000 Amp AC and DC Current measurement & 2500 Amp AC Current measurement with iFlex Probe 1000 Volt AC and DC Voltage Measurement Capacitance, Resistance and Continuity function millivolt and frequency and frequency measurement functions			

	Inrush current recording and Min/Max/Avg measurement functions CAT IV 600V, CAT III 1000 safety rating			
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Table 17: Pricing Machinery List

NO	DESCRIPTION OF ITEM	Unit of measure	Price in Rand.	Delivery time
1.	18Volt Battery Operated Drilling Machine 13mm claw, 2 speed, complete with charger 220V AC			
2.	HSS Heavy Duty Drill Bit Set 3mm – 13mm in Steel Container (Half and full numbers sizes in between)			
3.	Impact Wrench: 18V LXT BL Brushless Cordless 3-Speed 12.7 mm 280 N·m, Reverse Rotation Auto Stop Mode: Voltage / Max fastening torque: 18V 5.0Ah - 4.0Ah - 3.0Ah - 1.5Ah / 280N.m Capacity: Standard bolt: M10-M20 High tensile bolt: M10-M16, Square drive: 12.7mm No load speed: Hard: 0-2,800 Med: 0-2,100 Soft: 1,600r/min Impacts per min: Hard: 0-3,500 Med: 0-2,600 Soft: 1,800r/min Dimensions (LxWxH) / Net weight: 147 x 79 x 249mm / 1.5kg			
4.	Impact Wrench: 18V spare battery for line item 3			
5.	Petrol Hand Wood pole Drill(Auger) 20mm bit complete with hand brace			
6.	Petrol Hand Wood pole Drill(Auger) 22mm bit complete with hand brace			
7.	Angle Grinders: Big 2200W			
8.	Angle Grinders: Small 850W			
9.	250A Inverter Welder, complete with 5m x 35mm ² Cu welder cables and clamps			
10.	Hand Hydraulic Crimper with a Full Set of Dies Hexagon copper – 35mm ² , 70mm ² , 95mm ² , 120mm ² , 185mm ² , 240mm ² & 300mm ² Indent (Aluminium) – 70mm ² , 95mm ² , 120mm ² and 185mm ² Sectorial Low Voltage Cables NB- provide also a price per set of dies			

11.	Hydraulic Crimping tool machine petrol/diesel with 5m pipes and crimping head for: Indent (Aluminium) 120mm ² , 185mm ² , 300mm ² , 500mm ² and 800mm ² , Medium Voltage Cables Hexagon , 240mm cu and 300mm Cu. Complete with quick couplings NB- provide also a price per set of dies			
12.	Gas Pipe 10mm ² x 20m roll			
13.	High Pressure Gas Regulator			
14.	Safe gas adjustable Blowtorch 25/45/60			
15.	Measuring Wheel: Mechanical Magnified Counter (1000 m with Comma digests) With Reset Button			
16.	Packing punches 6mm,8mm,10mm,12mm,16mm,20mm,25mm,50mm			
17.	Packing cutters with a 250mm diameter			
18.	GPS unit with touch screen			
19.	Sets of Stencils: 100mm A-Z and 0-9 80mm A-Z and 0-9 50mm A-Z and 0-9 NB- Price per stencil set			
20.	2 Kg Hammer			
21.	10 Kg Hammer			
22.	Steel funnel 4 litres/8mm exit			
23.	10M Measuring tape (Builders type)			
24.	300mm G-Clamps forged iron			
25.	250mm G-Clamps forged iron			
26.	100mm G-Clamps forged iron			
27.	1m T-Clamp forged iron			
28.	2m T- Clamp forged iron			
29.	Orange road danger cones 750mm High PVC Type With reflecting tape SANS approved			
30.	80mm x 10m rope fibre tie-down with ratchet. 50mm x 10m rope fibre tie-down with ratchet. 25mm x 5m rope fibre tie-down with ratchet. SANS approved			
31.	2 ton rope fibre sling (50mm wide x 2m long) 3 ton rope fibre sling (50mm wide x 2m long) 2 ton rope fibre sling (80mm wide x 2m long) 3 ton rope fibre sling (80mm wide x 2m long) SANS approved NB- Price per sling size			
32.	Drill bits Cement high grade tungsten tip :- Normal length: 6mm,6.5mm,8mm,8.5mm,10mm,10.5mm 12mm, 13mm,16mm,18mm,20mm.			

	Special length: 8mm x 300mm, 13mm x 300mm, 20mm x 300mm NB- Price per drill bit size			
33.	Concrete drill bits, high grade tungsten tip: Sizes - (6, 8, 12, 13, 16, 18, 20, 25)mm NB - Price per drill bit size			
34.	Insulation/polarity tester 60/80/100 kV Automatic Transformer			

Table 18: Pricing SCADA Tools

NO	DESCRIPTION OF ITEM	Unit of measure	Price in Rand.	Delivery time
1.	Complete SCADA toolkit, RSA (complete with case - loose tool items must fit in the existing case, Item 2-56 below is the individual tools inside the toolkit)			
2.	Spring hook, double ended, brn 2-132			
3.	S/driver, jeweller 4 flat & Philips bits in handle			
4.	Wrist strap, 3 snap 4 ban, croc clip s/blue			
5.	Magnetic pickup, telescopic & pen 630mm			
6.	Tweezer, positioning 4,5mm tip, 140mm			
7.	Tape measure 3m, 12ft met./imp			
8.	Cutter heavy duty-redline 165mm			
9.	Cutter side box joint senso plus 115mm			
10.	Plier combination 160mm			
11.	S/driver engineers 8x150mm			
12.	S/driver/stubby, slot 1/4 " 6.5x 25mm			
13.	S/driver electrician 3.0x75mm			
14.	Knife trimming retractable 160mm			
15.	Headlamp -led 1 watt 20 lumen with battery			
16.	Work light -24 led+3led torch magnet			
17.	Screw starter torx / pozi / Philips screws, lge			
18.	Butane gas for gas irons 300ml			
19.	Hammer, 100g ball pin			
20.	Soldering iron, 50w, 220v, temp control			
21.	De-solder tool mini silver			
22.	All-purpose water repelling, penetrating oil, aerosol spray			

23.	Case, black, vinyl, 490x360x170mm			
24.	Foam bottom 1808 toolkit 0199			
25.	Table mat 430mmx315mm toolkit lid beige			
26.	File flat 150mm second cut			
27.	Shifter phosphate finish 150mm			
28.	Side cutter blue handles on display card			
29.	Mirror swivel plastic			
30.	S/driver, neon 100-500volt,3x40mm blade			
31.	Holder screw 4x200mm			
32.	Cord, grounding 10mm, Snapp & eye 1,5m s2			
33.	Tweezer universal 1mm tip 115mm			
34.	Tweezer universal bent 1.5mm tip 1.5mm			
35.	Plier water pump 7" 175mm			
36.	Plier, snipe-serrated jaw s/plus 150mm			
37.	Plier ,snipe nose-senso plus135mm			
38.	S/driver, engineers 6x100mm			
39.	S/driver Philips 0x60mm			
40.	S/driver Philips 2x100mm			
41.	S/driver stubby Philips 1x25mm			
42.	S/driver electrician 5.0x150mm			
43.	Scriber engineering, double ended(s1712)			
44.	Torch penlight aluminium 1w 2aa, kar			
45.	Solder dispenser+2.5m solder, kes s/d			
46.	Brush 25mm everyman			
47.	Insulation tape, 3M 18mmx20m, black			
48.	Sponge for magnum solder stations, mag			
49.	Porta sol gas solder iron.			
50.	Scissor 150mm straight sharp/sharp			
51.	Nick nack parts box.			
52.	Foam top for 1808 toolkit 0197			
53.	Tray large for 17/1800 kits 425x333x25mm			
54.	File handle, small plastic 85mm			
55.	Multi tool black, vik multi tool			
56.	Wire stripper and cutter			

Table 19: Pricing SCADA Equipment

NO	DESCRIPTION OF ITEM	Unit of measure	Price in Rand	Delivery time
1.	Electric Pressure Calibrator			
2.	Oscilloscope 40mhz			

3.	Bench Power supply (0-30v,0-10a)			
4.	Current injection source 18 VDC input, 0-20 mA output			
5.	De-soldering station			
6.	Soldering station with temperature control for electronic use			
7.	Handheld labeller			
8.	Handheld labeller cartridges: 8.1 Outdoor Vinyl XC-1500-580-WT-BK 38mm x 9.1 m black on white Roll. 8.2 Vinyl Self-Lam XSL-31-427 black on white 25 x 38 x 13mm 250 pcs			
9.	Telescopic ladder 3.8m for 160kg person			
10.	Fibre optic light source (multi and single mode)			
11.	Fibre optic meter (multi and single mode)			
12.	Multi-meter – electronic i. Measure AC Voltage: 600mV to 1000V ii. Measure DC Voltage: 600mV to 1000V iii. Measure Resistance: 600 Ω to 50 M Ω iv. Measure Capacitance: 1000nF to 9999 μ F v. Test for Continuity: Range should be up to 600 Ohms (Product beeps at <25 Ω ; beeper turns off at > 250 Ω , detects opens or shorts of 250 μ s or longer) vi. Test Diodes: 2.400 V vii. Measure Temperature: - 40 $^{\circ}$ C to +400 $^{\circ}$ C viii. Measure AC Amps (True RMS 45Hz to 1 kHz): 60mA to 10 A ix. Measure DC Amps: 60mA to 10A x. AC Zero Input Behavior of True-rms Meters xi. Measure Frequency: (AC OR DC coupled, V or A input) : 99.99Hz to 99.99kHz xii. Maximum voltage between any terminal and earth ground - 1000 V xiii. Fuse Protection for mA inputs - 0.44 A, 1000 V, IR 10 kA xiv. Fuse Protection for A input - 11 A, 1000 V, IR 17 kA xv. Display: Digital - 6000 counts, updates 4/sec,			

	Frequency - 10,000 counts, Capacitance - 1000 counts. xvi. Safety rated CAT III 1000 V, CAT IV 600 V xvii. Must have a lifetime warranty.			
13.	Bench vice – 80mm wide bit, table mountable			
14.	4 to 20 Milliamp Process Clamp Meter with crocodile type CT clamp on (0.2% accuracy)			

Table 20: Pricing Electrical Measuring Tools

NO	DESCRIPTION OF ITEM	Unit of measure	Price in Rand	Delivery time
1.	Digital 250-500-1000V Insulation Resistance Tester			
2.	Digital Clamp on Ammeters (Tong Tester)			
3.	Digital Multi meter 750V			
4.	Duspol Tester 750V Wibre /			
5.	Phase Rotation Meter Major			
6.	Earth Loop Tester T1825			
7.	Polarity Tester			
8.	CONTACT VOLTAGE DETECTOR for 3-10kV with fittings. Comply with IEC-61243-1			
9.	CONTACT VOLTAGE DETECTOR for 10-36kV with fittings. Comply with IEC-61243-1			
10.	VOLTAGE DETECTOR for 63-150kV with fittings. Comply with IEC-61243-1			
11.	SINGLE POLE PHASE COMPARATOR 11KV - 30KV MEDIUM & HIGH VOLTAGES •Voltage – 10kV up to 11kV 30kV •Type LF 22 – 9V •Aerial Total Length – 1.15m •Weight – 950g			
12.	TCTDT Digital Compliance kit Complete: 8. Sturdy case with foam cut outs for instruments. 9. T1851 Digital insulation tester. 10. T1825 Loop/PSC tester 11. T1820 Digital earth resistance tester. 12. TEL1TLB ELCB Polarity socket tester.			

	13. TBM3030 Digital clamp meter. 14. T887 LCD Phase rotation meter TCTDT Digital Compliance kit (COC) (Please tender on the existing set too for replacement purpose)			
13.	Penetrometer tester complete with: <ul style="list-style-type: none"> One 8 kg Hammer Upper Rod 900mm Ruler Bottom Rod DCP Dynamic Cone			
14.	The QualiTrack 3 with software for operation			
15.	The PowerTrack with software for operation			
16.	Three Phase Energy Test System with the Software			
17.	Amp-stick Sensorlink –			
18.	Metering CT Analyzer			

Table 21: Pricing General Engineering Tools

NO	DESCRIPTION OF ITEM	Unit of measure	Price in Rand.	Delivery time
1.	Binocular 50 x 10 complete with carry bag			
2.	Scale ruler			
3.	Pi-tape measure 1m – for pole diameter measuring			
4.	Digital Camera – min 12Mpix with 20x stabilized zoom, autofocus & flash –Complete with carry bag			
5.	NiMH Battery charger- 4 x AA or AAA –complete with 8 x AA ± 2500 mAh NiMH rechargeable batteries			

Table 10: Portable Earthing Equipment

NO	DESCRIPTION OF ITEM	Unit of measure	Price in Rand.	Delivery time
1.	Control Earth Substation Kit-(Red) 1-33kV Rated at 8kA/1sec 1.1 Phase Connecting Element. Standard Phase Screw clamps with the following properties. Clamping			

	<p>range 10 mm to 65 mm. Maximum short-circuit current 20 kA.</p> <p>1.2. Single pole Earthing and Short-circuiting Cables.</p> <p>Cables with the following properties.3 cables by 12 meter in length. 35 mm² E-Cu Cable, extra finely stranded and highly flexible. Sheath must be Thermoplastic polymer (flexible PVC compound YM2), uncoloured and transparent. Hole in terminal lug 12.5 mm. Operating temperature range – 25° C to + 55° C</p> <p>1.3. Earth Connecting Elements.</p> <p>Earth Milling Clamp for flat Profiles with the following properties. Clamping range of up to 30 mm. Maximum short-circuit current 20 kA.</p> <p>1.4. Applicator head to be used on standard Phase Screw clamps.</p> <p>1.5. Heavy duty carry bag.</p>			
2.	<p>Control Earth Substation Kit-(Red) 1-33kV Rated at 8kA/1sec</p> <p>1.1 Phase Connecting Element. Standard Phase Screw clamps with the following properties. Clamping range 10 mm to 65 mm. Maximum short-circuit current 20 kA.</p> <p>1.2. Single pole Earthing and Short-circuiting Cables.</p> <p>Cables with the following properties.3 cables by 6 meter in length. 35 mm² E-Cu Cable, extra finely stranded and highly flexible. Sheath must be Thermoplastic polymer (flexible PVC compound YM2), uncoloured and transparent. Hole in terminal lug 12.5 mm. Operating temperature range – 25° C to + 55° C</p> <p>1.3. Earth Connecting Elements.</p> <p>Earth Milling Clamp for flat Profiles with the following properties. Clamping range of up to 30 mm. Maximum short-circuit current 20 kA.</p> <p>1.4. Applicator head to be used on standard Phase Screw clamps.</p> <p>1.5. Heavy duty carry bag.</p>			
3.	<p>Working Earth Kit for reticulation line</p> <ul style="list-style-type: none"> • Cable size (copper with PVC sheathing): 16sq mm • Fault level: 3kA / 1sec 			

	<ul style="list-style-type: none"> • Cable sheathing colour: yellow, translucent • Phase to phase jumpers (snap on clamps on both ends): 4off x 2.5m length • Phase to cluster bar jumper (snap on clamps on one end, & earth clamp on other): 2off x 10m length • Cluster bar to earth jumper. Earth clamps on both ends: 1off x 4m in length • Cluster bar. Aluminium with ratchet & webbing: 1off • Applicator head (to apply & remover snap on clamps) 1off • 1 x Heavy duty carry bag 			
4.	Digital Insulation Tester 10kV			
5.	Cable Locator With SD RxTx5W			
6.	Mobile cable testing and fault location system SPG40			
7.	Mobile cable testing and fault location system SPG32			
8.	Reflectometer For Fault Location			
9.	Cable Spiking Gun, Complete			
10.	Cable Spiking Gun Replacement Chisel 40mm			
11.	Cable Spiking Gun Cartridge's Red Extra Strong (50)			

8. CONTACT DETAILS

8.1 For any further technical information regarding the document contents please contact Andre Oelofse, e-mail: andre.oelofse@centlec.co.za or Lindiwe Kalane, e-mail: lindiwe.kalane@centlec.co.za Such queries must be done in writing, the email address provided serves for this purpose. The answer to one question will be sent to all the other prospective bidders that have bought the bid documents.

8.2 For Supply Chain related questions, please contact Me Palesa Makhele at 051 412 2753 or at palesa.makhele@centlec.co.za.