



PRASACRES: FACILITIES

SPECIFICATION AND BILL OF QUANTITIES

SUPPLY AND DELIVER TOOLS & WORKSHOP EQUIPMENT

FOR

SGR FACILITIES DEPOTS

Date: 13 SEPTEMBER 2022

FACILITIES TOOLS LIST

Material

- All material to be delivered, are subject prior to approval from Prasa Project Manager
- All material shall be procured from a reputable manufacturer and they shall be of good quality.

**SECTION 1: BILL OF QUANTITIES FOR SUPPLY AND DELIVER TOOLS AND WORKSHOP
EQUIPMENT ELECTRICAL DEPOTS**

ITEM	DESCRIPTION	QTY	RATE	TOTAL
1.	Bradawl 32x2.5mm with strong plastic handle, hardened and tempered chisel point blade, nickel plated and cranked blade shaft	7	R	R
2.	205mm long Die cast aluminum housing Retractable trimming knife with spring loaded opening, brass wheel blade lock, heavy duty rounded end supplied with 10 blades and a convenient blade dispenser	7	R	R
3.	3mx13mm high impact chrome ABS case steel power lock mylar yellow measuring tape, mylar polyester film, corrosion resistant	7	R	R
4.	150mm Engineers Scriber, scriber points hardened 55-60 HRC, finely tapered, permanent magnet on the other end and with Tungsten carbide tip	7	R	R
5.	300mm Steel Combination square, with high visibility metric graduation, 3 precision dia cast body and blade coated for rust resistance	7	R	R
6.	Stainless steel fold ruler 300mm	7	R	R
7.	Spirit level artisan 450mm	7	R	R
8.	300g Ball pen hammer with high carbon steel forged head hardened, ball end, exclusive rim temper and hammer head attached with two wedges	7	R	R
9.	500g fiberglass handle claw hammer	7	R	R
10.	5mm Automatic Centre punch	7	R	R
11.	Spring divider 150mm	7	R	R

			R	R
12.	Cold chisel 150mm x 13mm	7	R	R
13.	Cold chisel 250mm x 19mm	7	R	R
14.	Combination Plier Electrician 180mm with soft fatmax biomaterial handles, from heat treated forged chrome steel alloy, to comply with all DIN, ISO and ANSI standard	7	R	R
15	Diagonal cutting pliers 160mm with soft fatmax biomaterial handles, from heat treated forged chrome steel alloy, to comply with all DIN, ISO and ANSI standard	7	R	R
16.	Vice Grip Standard Locking 250mm	7	R	R
17.	Long nose Pliers 150mm	7	R	R
18.	Water pump pliers 250mm	7	R	R
19.	Straight pattern Tin Snips (200mm and 300mm)	7	R	R
20.	Heavy duty Automatic wire stripper blade size 1.0 to 3.2mm	7	R	R
21	Dust and waterproofed AC/DC LED line tester 110-750M	7	R	R
22.	Pliers circlip O/S Bent 180mm	7	R	R
23.	Heavy duty Automatic Crimp tool 0.25-1.5mm, 1.5-2.5mm and 4-6mm	7	R	R
24.	Heavy duty Junior Hacksaw 150mm blade	7	R	R
25.	305mm Heavy duty Hacksaw with standard blade set	7	R	R
26.	Combination Spanner set 6-32mm 1B26M	7	R	R

27.	Set Tubular Spanners 6-10mm	7	R	R
28.	30-piece allen keys set metric and imperial sizes in case	7	R	R
29.	Shifting spanner 150mm	7	R	R
30.	Shifting spanner 250mm	7	R	R
31.	Pipe wrench 350mm	7	R	R
32.	Electrical Nut Driver set 6 PC in case	7	R	R
33.	2.5 mm+40m extension heavy reel (double plug socket powder coated cable retaining clips plugs molded to cable; LED power on indicator, 40 m 16amps amperage rating	5	R	R
34.	1000V Insulated screwdriver 7-piece set	7	R	R
35.	5m nylon tape measure	7	R	R
36.	121.1m extended length 7.5m close height superlite fiber glass extension to include spike feet, Cable roller pole rung, Nylon or aluminum locks Side Rope, Swivel feet, V-roller rung,25 rungs closed and 47 extended, etc.	2	R	R
37.	1,8m high heavy duty double sided all fully fiberglass step ladder 6 steps with non-conductive, rubber non sleep feet, red safety step and multifunctional ladder top	3	R	R
38.	2.4m high heavy duty double sided all fully fiberglass step ladder 8 steps with non-conductive, rubber non sleep feet, red safety step and multifunctional ladder top	3	R	R
39.	3.0m high heavy duty double sided all fully fiberglass step ladder 10 steps with non-conductive, rubber non sleep feet, red safety	3	R	R

	step and multifunctional ladder top			
40.	4.2m high heavy duty double sided all fully fiberglass step ladder 14 steps with non-conductive, rubber non sleep feet, red safety step and multifunctional ladder top	3	R	R
41.	5.6m folding aluminum telescopic step ladder	3	R	R
42.	220V Drilling Machine with quick release chuck.	5	R	R
43.	Drill Set 1-13mm straight shank	1	R	R
44.	385mmL x 255mm handle length Crimper Hex 6-50mm complete, to feature high quality drop forged crimpers and full ratchet mechanism with controlled calibrator assembly to comply with ISO 9000 standard requirements	1	R	R
45.	Flat File 2 ND cut 150mm	1	R	R
46.	Flat File 2 ND cut 200mm	1	R	R
47.	Flat File 2 ND cut 350mm	1	R	R
48.	File Round 2 ND cut 150mm	1	R	R
49.	File Round 2 ND cut 250mm	1	R	R
50.	File Round 2 ND cut 350mm	1	R	R
51.	Digital Avometer Top Tronic	2	R	R
52.	590L x 223W x 223H Heavy Duty 5 trays toolboxes	12	R	R

54	25-piece ½ drive socket set (Manually operated socket with thin walls and knurled bases, chrome vanadium steel 31CrV3 and chrome plated and polished) supplied in blue powder coated Y-steel box	7	R	R
55	7.5kW 220V Mobile Generator with wheels	7	R	R
56	Carbon steel round nose open socket shovel	3	R	R
57	Electrical Contractors Test Kit (digital earth resistance tester, High Voltage analogue insulation tester, loop impedance tester, IP67 industrial multimeter, 1000A AC TRMS Clamp meter, ELCB Tester and heavy-duty meter case	6 Set	R	R
58	1600w Power plus demolition hammer drill suitable for concrete incase to include drill bits and chisel set	1	R	R
59	115 mm angle grinder 1200w	2	R	R
60	Universal crimping plier	7	R	R
61	Jig saw 650w complete with 40 steel blades	2	R	R
62	Universal panel key	7	R	R
63	Large construction lights 2x500W mounted on extendable pole up to 1.8m IP54	8	R	R
64	300mm Steel combination square, with high visibility metric graduation ,3 precision diecast body and blade coated for rust resistance	7	R	R
65	Automatic Welding Helmet with adjustable Photo Sensors (professional choice)	2	R	R
66	220V Inverter welding machine completely with	1	R	R

	hand shield, welding cable set, SR6V Tig Torch and Argo Flowmeter			
67	SPA 750MF Submersible Drainage pump	5	R	R
68	30-piece Allen keys set in case	10	R	R
69	450g tubular steel Claw hammer (insulated)	6	R	R
70	Ball point hammer 500g poly handle	5	R	R
71	Heavy Duty CC-250L Cable cutter	2	R	R
72	200mm Heavy Duty Side cutter	10	R	R
73	Grip Cable knife	5	R	R
74	Long nose plier	10	R	R
75	Auto Centre punch	5	R	R
76	215mm Cable cutter	10	R	R
77	500g insulated fiberglass handle claw hammer	6	R	R
78	200mm Heavy Duty Side cutter	10	R	R
79	200mm Combination plier	5	R	R
80	250mm Water pump plier	6	R	R
81	Universal Crimping pliers 2mmx16mm	6	R	R
82	5m nylon tape measure	6	R	R
83	32cm Pro Digital Heavy-Duty Measuring wheel including carry case; 10000m, Zero Reset on handle, folds in half, push button release clip, push button zero	4	R	R

	reset, kick down side strand, convenient carry handle, debris removing scraper, following fine edges, to run in straight line, balanced in line movement, better traction, wheel runs in sealed roller bearings, trigger brake and zero point indicator			
84	Grip Cable knife	10	R	R
85	305mm Heavy duty Hacksaw with standard blade set	5	R	R
87	<p>Digital 1000V Multimeter DIGITAL MULTIMETER</p> <p>Compact meter with double molded rubber housing and to meets International standard IEC-61010-1 CAT III 600V.</p> <p>With the large LCD display screen to incorporate white backlight for use in arduous areas</p> <p>Auto ranging multimeter with the option of manual override and to have 600 counts LCD displays with a 61 segment analogue bar graph.</p> <p>To offer features of MIN/MAX recordings, Data Hold, Frequency measurements with duty cycle, Capacitance measurement in either 0C or 0F, with a range from -20 0C up to 7600C</p> <p>To be supplied with an adaptor which converts the 4mm input to accept K-type thermocouples</p>	9	R	R

	<p>ACCESSORIES</p> <p>K-Type Temperature</p> <p>9V Battery</p> <p>K-Type Adaptor</p> <p>Instruction Manual</p>			
88	Shifting spanner 150mm and 250mm	10	R	R
89	Universal panel key	5	R	R
90	1,8m high heavy duty double sided all fully fiberglass step ladder 6 steps with non-conductive, rubber non sleep feet, red safety step and multifunctional ladder top	10	R	R
91	220V Tyton ELCB Polarity tester (SANS164-2 Type N plug socket, ready board compatible, LED wire ring integrity indication, faulty earth detector LCD/ Live on earth, 10-35Ma ELCB tester and to include SANS 164-1:16A-3 PIN adaptor plug	5	R	R
92	2.4m high heavy duty double sided all fully fiberglass step ladder 8 steps with non-conductive, rubber non sleep feet, red safety step and multifunctional ladder top	3	R	R
93	1000V insulated screwdriver 7-piece set	10	R	R
94	3.0m high heavy duty double sided all fully aluminum step ladder 10 heavy duty reverted wide tread steps with non-conductive, rubber non sleep feet, red safety step, gusset step support, heavy duty hinge and multifunctional ladder top	2	R	R
95	16-piece combination spanner set 1B (size 6 to 22mm) incase	5	R	R

96	40ft extension step ladder fiberglass Heavy duty double extension ladder for industrial use, 135kgs state safe working load, 175kgs vertical load, heavy duty D-rungs, to include rope and pulley for easy extension, rubber non-slip feet for added safety and stability, 12m high	2	R	R
97	150mm Adjustable Heavy-duty wrench shifting spanner chrome vanadium	5	R	R
98	350mm Adjustable Heavy-duty wrench shifting spanner chrome vanadium	5	R	R
99	Engraver (Optimal engraving control, Separate on/of switch, soft grip for comfortable handling and replaceable carbide)	1	R	R
100	5m nylon tape measure	5	R	R
101	3-Phase rotation meter 130 x 69 x 32mm Compact handheld phase rotation indicator with the large LCD to indicate phase presence and rotation. If connected to 3 phase power system, the meter to indicates phase sequence by displaying its corresponding phase symbol on the LCD, as well as the rotation by arrows indicating a clockwise or anti-clockwise direction To able to operate from 40VAC to 690VAC	1	R	R
102	7-piece tube spanner set including case	5	R	R
103	750w Drilling machine	5	R	R
104	Electricians heavy duty 600 denier fabric tool bag with leather reinforcements and shoulder	3	R	R

	strap			
105	115mm Baby grinder (800w, 115mm, Deadman switch, quick flange nut, 2.2Nm torque and vibra-teck handle)	4	R	R
106	5 tray heavy duty steel cantilever electrician toolbox	10	R	R
107	Auto Center punch	5	R	R
108	Rechargeable 18V LED spotlight heavy duty torch with light output of 1000 lumens, 400m distance rating, over 10 hours of runtime with 5.0Ah battery, IP 54 rated rugged and durable design and battery charger with extra battery	4	R	R
109	254mm Vice grip	5	R	R
110	250mm vice grip	4	R	R
111	<p>500L Trailer with diesel Bowser tanker (unbraked single axle, heavy duty u channel axis with 900kg leaf spring suspension and 13-inch tires with spare wheel)</p> <p>TRAILER WITH 500L DIESEL BOWSER TANKER</p> <p>500l Steel Tank Oval for diesel Heavy u channel chassis 900kg leaf spring Suspension with 13" wheels white mags Single Axle 40mm round 4 PCD NON Brake Axle 0.75t coupler no brake heavy duty Jockey wheel 55 round Single wheel Flicker, Brake, Park lamp and lic. light x 2 yellow tape all around with reflectors.</p> <p>ACCESSORIES</p> <p>12V 45 LPM, Diesel heavy duty pump</p>	2	R	R

	Aluminum, all-purpose import nozzle 4-digit import brand meter 4.5kg fire extinguisher with heavy duty bracket G1000 GUD FRAM Diesel filter Spare wheel to size 13" white mags LICENSE AND ROAD WORTHY CERTIFICATE Trailers must be accompanied with all ownership papers for licensing Registration and Road worthy certificate).			
112	Automatic Wire stripping tool 1.0mm2 to 3.2mm2 with cable cutter and terminal	3	R	R
113	250mm water pump plier	3	R	R
114	Insulation (Megger) test 1000V	2	R	R
115	13-piece ½ drive sockets and ratchet sets D19HMZ	3	R	R
116	23m extended length Superlight extra heavy- duty fiber glass extension to include Spike feet, Cable roller pole rung, Nylon or aluminum locks, Side Rope, Swivel feet, V-roller pole rung, 23 rungs closed and 41 extended, etc.	2	R	R
117	1.8m high heavy-duty fiberglass double sided step ladder six steps with aluminum treads	1	R	R
118	2.4m high heavy-duty fiberglass double sided step ladder eight steps with aluminum treads	1	R	R
119	3.0m high heavy-duty fiberglass double sided step ladder ten steps with aluminum treads	2	R	R

120	4.2m high heavy-duty fiberglass double sided step ladder fourteen steps with aluminum treads	2	R	R
121	5.6m folding aluminum telescopic step ladder	2	R	R
122	Large construction lights 2x500W/100w LED flood lights mounted on extendable pole up to 1.8m IP54	3	R	R
123	1500-watt Demolition hammer SDS Max 10kg	1	R	R
124	1600w Power plus demolition hammer drill suitable for concrete incase to include drill bits set	1	R	R
125	Rubber or nylon Pick handles	3	R	R
126	Pick head – chisel and diamond (forged from carbon steel with hardened and tempered points and with an ant-corrosive black finish	3	R	R
127	Pick head – mattock pick head	2	R	R
128	210mm wide steel handle spade	2	R	R
129	16 tooth heavy duty steel garden rake	1	R	R
130	Carbon steel round nose open socket shovel	3	R	R
131	2.5mm x 40m extension heavy duty reel (double plug socket, powder coated cable retaining clips, plug molded to cable, LED power on indicator, 40m 16amp 3 core cabtyre, double insulated with 16amps amperage rating	4	R	R
132	Chrome vanadium steel Heavy duty Adjustable ranches set (250, 300, 375 and 450mm) with manganese phosphate finish	2	R	R
133	16KV Portable Cable fault locating system	1	R	R

<p>16KV surge wave pulse generator, special design to locate fault in power cables.</p> <p>The output voltage to be continuously adjusted in the ranges of 0-4kv, 0-8kv and 0-16kv</p> <p>With energy peak of 1024J at each range to provide the power needed to accurately pinpoint an acoustic cable fault in conjunction with the listening set.</p> <p>To incorporate earthing in case of disconnection of the internal capacitors and the installation tested to be automatically discharge.</p> <p>The earthing, power and AT terminal to be located at the back of the unit for easy accessible to the operator.</p> <p>Filter to be incorporated for the ARC (Arc Reflection Method) method as well as the high voltage source function for dielectric continuous current testing.</p> <p>Features</p> <p>Compact, portable and sturdy unit. Voltage adjustable continuously.</p> <p>Safe and rapid location of faults applying the latest technologies in the field of reflectometry</p> <p>High peak power to ensure a urate and</p>		
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<p>effective pinpointing</p> <p>This unit to feature several fault location methods (TDR-ICE-ARC)</p> <p>Automatic grounding.</p> <p>Optimized de-energization energy by means of a capacitor switch.</p> <p>High energy peak for accurate and effective location</p> <p>Specifications</p> <p>IR3000</p> <p>Distance range: 1000 m to 250 Km @ 80 m/μsec</p> <p>Pulse width: 150ns to 8μs</p> <p>Pulse amplitude: 20Vp to 100Vp</p> <p>Resolution: 1 m @ 80m/ μsec</p> <p>Operating frequency: 80 MHz</p> <p>Methods: TDR, ICE, ARC and DECAY</p> <p>Output impedance: 50 ohms</p> <p>Measurement: Movable cursor display</p> <p>VP/2: Adjustable between 50 m/μsec - 150m/μsec</p> <p>Zoom: Yes</p> <p>Memory: > 1000 reflectograms</p> <p>Connections: USB2.0 - BNC</p> <p>Display: 8.4" TFT high contrast color, 800 x 600 pixels, LED backlight</p> <p>Dimensions mm (h x w x d): 162 x 365 x 273</p> <p>Weight: 5 kg</p>		
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	<p>Power supply: 220 Vac / 50Hz</p> <p>Operating temperature: -10 °C +50 °C</p> <p>16kV</p> <p>High voltage test: 0 – 4kV / 0 – 8kV / 0 – 16k V DC</p> <p>Peak power per scope: @ 4kV – 1024J @ 8kV – 1024J @ 16kV – 1024J</p> <p>Discharge frequency: 4 – 6 sec. Manual</p> <p>Grounding: Automatic</p> <p>Filter: ARC - ICE</p> <p>Dimensions mm (h x w x d): 1110 x 800 x 820</p> <p>Weight: 150 kg</p> <p>Power supply: 220 VAC/50Hz</p> <p>Operating temperature: -10 °C ... +50 °C</p> <p>CABLE FAULT LOCATOR TRAINING</p> <p>The quotation shall include the training of 6 Prasa personnel on how to use the equipment</p>			
134	18V Cordless drill (2 x 3 Ah batteries, 96Nm max torque, 2.0 Kg weight, charger and drilling capacity of 50mm for wood, 13mm for steel and 12mm for concrete).	2	R	R
135	High pressure cleaner, K7 Classic, 300W, 600L/Hour and 180 Bar max	4	R	R
136	20mm x 30m hose pipe with hose reel with 6-year rating (made from high grade materials which are hard wearing and flexible, highly resistance to pressure, lightweight 3-ply construction with cross woven reinforcement	4	R	R

	which is kink resistance and durable)			
	SECTION 1 BOQ TOTAL:			R

**SECTION NO. 2: BILL OF QUANTITIES FOR TOOLS AND WORKSHOP EQUIPMENT FOR
NEW CANADA CIVILS FACILITIES DEPOT**

ITEM	DESCRIPTION	QTY	RATE	TOTAL
1	15,20mm water tap reseating tool	3	R	R
2	41-piece ratchet screwdriver set	2	R	R
3	1000 lumen output Rechargeable LED torch/Spotlight (3 modes – high beam, medium beam and strobe, IP65 splash resistance and shock proof, 500m beam 230V AC, 12V adaptors and car charger.	4	R	R
4	600 lumen Rechargeable LED head lamp completely with charger	3	R	R
5	40m heavy duty extension reel (double plug socket, cable retaining clips, powder coated, plug molded to cable, heavy duty one piece steel frame, high impact heavy duty ABS spool, to run on roller bearings, spool lock, cable retaining hook, LED power on indicator, 40m 16amp 3 core cabtyre, double insulated, 2.2 cable size and 16amps amperage rating	4	R	R
6	4-pound hammer (2kg) with fiberglass handle	3	R	R
7	600g all steel brick hammer	2	R	R
8	355 x 50mm professional jack plane no. 5	1	R	R
9	Bit brace 254mm 4 jaw professional	2	R	R
10	300mm heavy duty Hacksaw professional frame and Blade set (aluminum handle with rubber grip and 2 blades	3	R	R

	positioned at 90 and 40 degrees)			
11	150mm junior hack saw	5	R	R
12	600mm Crosscut professional handsaw	2	R	R
13	180mm diamond tipped glass cutter	5	R	R
14	3 – 32mm heavy duty pipe cutter	2	R	R
15	3.2, and 4.8mm heavy duty hand riveter	2	R	R
16	3.2, and 4.8mm heavy duty lazy tong riveter	2	R	R
17	750mm Bow Saw frame and 2 spare Blades (Heavy duty epoxy coated frame supplied complete with 31A tooth bowsaw)	2	R	R
18	250A single phase 220v multiprocess MIG/TIG/MMA including tig torch, MIG sold and all other accessory kit	2	R	R
19	Auto darkening welding helmet (professional choice)	2	R	R
20	12 piece pro-torq screwdriver set	2	R	R
21	Heavy Duty Vice grip curved jaw (180 and 250mm)	4	R	R
22	Pro-torq groove water pump plier set (200, 250, 300 and 400mm)	5	R	R
23	Tinsnip straight (200, 250, 300 and 350mm)	1	R	R
24	36V Rotary hammer drill 2 speed and 3 action mode (36v, 2.6ahcapacity lithium ion battery, 80min charger, 2 mode power, 3 mode action and to include battery and charger)	1	R	R
26	18V Cordless drill (2 x 3 Ah batteries, 96Nm max torque, 2.0 Kg weight, charger and drilling capacity of 50mm for wood, 13mm for steel and 12mm for concrete).	4	R	R
27	27kg 2000w Demolition hammer (28.6mm Hex Shank,63 joules, 1100 blows per minute, 30kg net weight, 5m power supply cord and carry case)	1	R	R

28	Petrol chain saw (45.4cc, 2.3kw, power to weight ratio 1.7, with 10000rpm max engine speed)	1	R	R
29	Brush cutter (52cc, 1.4kw, with 11900rpm max engine speed to include 5l fuel container canister, extra mowing head duro-cut and mowing head fixed-cut	20	R	R
30	86mm depth of cut circular saw (1750w power input, 4700rpm no load speed, 235mm blade diameter and 30mm blade bore	2	R	R
31	780w Jigsaw Bow handle (150mm Doc in wood, 500 – 2800 s/min variable speed, pendulum action, SDS Blade change, integrated blower and adjustment foot plate	2	R	R
32	Bevel Edge Wood chisels 4 piece sets (6, 12, 18 and 25)	2	R	R
33	Cross cut saw 600, 7 points per inch	2	R	R
34	1.82kg Felling axe manufactured from carbon steel	2	R	R
35	Cold chisel 3 piece set, (7x150mm, 13mm x 200mm x OCTOGON 9 mm and 19 x 250mm)	2	R	R
36	25 x 300mm concrete chisel	2	R	R
37	Square mouth garden edging shovel	2	R	R
38	Rubber or nylon Pick handles	4	R	R
39	Pick head – chisel and diamond (forged from carbon steel with hardened and tempered points and with an ant-corrosive black finish	2	R	R
40	Pick head – mattock pick head	2	R	R
41	450g tubular steel Carpenters Claw hammer flock filled with rubber grip	2	R	R
42	63mm stainless steel grip Putty knife	5	R	R
43	Trimming knife 135mm	2	R	R

44	3 piece Pro-Torq insulated pliers set	2	R	R
45	Chrome vanadium steel Heavy duty Adjustable wrenches set (250, 300, 375 and 450mm) with manganese phosphate finish	2	R	R
46	310ml heavy duty Caulking gun	2	R	R
47	Self-igniting blowtorch kit	2	R	R
48	40-piece stock and die set	1	R	R
49	450mm 3 in 1 tile cutter	1	R	R
50	150mm heavy duty workshop vice, swivel base	1	R	R
51	Heavy duty Pipe wrench (600, 900 and 1200 mm)	2	R	R
52	250 – 425mm telescopic basin wrench	2	R	R
53	10 – 60mm chain pipe wrench	2	R	R
54	Retractable blade knife (aluminum die cast and with 5 blades)	3	R	R
55	460 x 240 x 170mm 3 tier aluminum toolbox	8	R	R
56	915mm High Tensile Large bolt cutter – centre type (high tensile heat-treated jaws for cutting hard material with adjustable arms)	2	R	R
57	Petrol Generator water pump (33m total head at 3600rpm, 550 liters max. capacity l/m, 8m max suction lift, 10 sec self-priming time/m, single cylinder, OHC, 4 stroke, air cooled, 163cm displacement, 45mm stroke, 68mm bore, 5.5hp max power output and 3.6 liters fuel tank capacity)	3	R	R
58	Petrol Generator 7.5 KVA with wheels	2	R	R
59	DRAIN CLEANING ROD SET (HEAVY DUTY) Drain Cleaning Heavy Duty Rod Set Consists of:	6	R	R

	10 x 2m x 8mm Spring Steel Draw Rods Rotating Handle Rubber Plunger Double Worm Screw & 89mm Root Auger			
60	DRAIN CLEANING ROD SET (LIGHTY DUTY) Drain Cleaning light Duty Rod Set Consists of: 10 x 2m x 6mm Spring Steel Drain Rods Rotating Handle Rubber Plunger Double Worm Screw & Root Auger	6	R	R
61	2.4m high, 8 step Fibre glass step ladder (non-conducting extra heavy fibre glass construction, heavy duty structural moulded top keeps tools handy, channeled rails and heavy duty back bars, double angle bracing on all steps and reinforcing gussets on each step)	4	R	R
62	Multipurpose fiberglass ladder (positive locking steel hinges, non-skid rubber feet, rust-proof painted hinges, grooved non-slip treads and 15 different positions).	2	R	R
63	Construction safety hard hats	10	R	R
64	Easy fit safety full body harness with double lanyard	2	R	R
65	260mm Round nose shovel	2	R	R
66	Digging spade	2	R	R
67	Plastic float	2	R	R
68	Plastering trowel 280mm	2	R	R
69	Brick trowel, 280mm	2	R	R

70	Hawk plastering 300 x 300	2	R	R
71	900mm length professional box sectional level	2	R	R
72	Wooden skimming float	2	R	R
73	20mm x 30m hose pipe with hose reel with 6 year rating (made from high grade materials which are hard wearing and flexible, highly resistance to pressure, lightweight 3-ply construction with cross woven reinforcement which is kink resistance and durable)	1	R	R
74	250mm wide x 130mm depth x 290mm high Plumbers tool pouch (wide opening and deep pocket for storing many items, tools slot to be made of genuine leather and durable construction with reverted reinforcement	2	R	R
75	60m CCTV drain inspection camera with box and 38mm camera head as per specification below; 38x81mm 304 stainless steel camera head, 1/3" CCD sensor, 480 TV Lines, 120° angle view with 12-120cm focal distance, 2 roller skids at 72mm dia and universal skids at 115-250mm dia, 12 pcs high light LEDs, waterproof 20m under water, built in 512hz Sonde with self levelling feature and key board Cable 60m long x 6.8mm fiberglass cable diameter with stainless steel wheel Monitor	1	R	R

	<p>7" 16:9 high LCD color TFT LCD monitor with universal installation brackets, 800 x 480 R.G.B resolution with built in rechargeable battery, SD Card slot to store pictures and videos, one push record button, built in rechargeable battery last up to 5 hours, onscreen date and time and onscreen meter distance display</p> <p>DRAIN INSPECTION CAMERA TRAINING</p> <p>The quotation shall include training and issuing of the certificates of 6 Prasa personnel on how to use the equipment</p>			
76	Multi universal key made from die cast zinc, fits square, 3-ssquare and double pin. Supplied with slotted and Philips bits – 4way for fire hydrant valves opening	5	R	R
77	<p>Water leak detector suitable for outdoors as per below specification;</p> <p>To use test rod with innovative technology and ergonomic design for pre-location of leaks in water pipe networks with no additional receiver required</p> <p>The headphones to be activated not by any common key but by a special sensor area.</p> <p>The noises that are picked up to be visualized on a display incorporated in the handle.</p> <p>In the product variant with the SDR radio module, the test rod to be used with radio headphones. This means no more cables to get in the way.</p> <p>Principal application – pre-location</p> <p>Additional applications – pinpointing leaks and acoustic pipe location</p>	1	R	R

	<p>The high-quality microphone technology permits first-class sensitivity in picking up noises. Even smallest leaks are reliably detected by the test rod. In case the test rod is used on objects that lie deeper under the surface, extensions can easily be screwed on between the probe tip and microphone. Individual optimization of acoustic results is assisted by the option of selecting one of eight different frequency bands. In operation the flow noises at the fittings can be sampled by simply placing a thumb on the sensor area. This avoids the irritation caused by operation noises in the headphones while listening. The Aqua Test T10 display shows the current and previous minimum noise levels, as well as the current noise intensity. The minimum noise levels are shown as numeric values; the actual noise intensity is displayed as a bar graph. This gives even less experienced operators visual support whether they are approaching a leak.</p> <p>Additional applications – pinpointing leaks and acoustic pipe location</p> <p>WATER LEAK DETECTOR TRAINING</p> <p>The quotation shall include the training and issuing of the certificates of 6 Prasa personnel on how to use the equipment</p>			
78	10m x 25mm power locking tapes measures	5	R	R
79	<p>High pressure water drain & pipe cleaning as per below specification with all the accessories;</p> <p>MODEL PX 153/130 High Velocity Sewer Jet (Using ¾" hose)</p> <p>GENERAL SPECIFICATION (High Velocity Sewer Jet Machine)</p>	1	R	R

	<p>PUMP with stainless steel valves, springs and seats.</p> <p>The piston rod to be moved by a cross head.</p> <p>The wet end to be nickel treated spheroidal cast iron.</p> <p>Plungers to be stainless steel and ceramic.</p> <p>A fully adjustable automatic pressure regulator and by-pass valve is fitted, dumping back to the breaker tank.</p> <p>All parts to be easily accessible and to be replaced quickly with no need for special tools.</p> <p>Pumps to be available with plunger conversion kits allowing the option of higher volumes or pressures without changing the whole pump or engine.</p> <p>ENGINE</p> <p>The engine to be air-cooled electric start diesel and suitably rated for pump. To be fitted with efficient fuel and lubricating filters to the manufacturer's specification and to be easily accessible for servicing. An effective exhaust silencer fitted with suitable guard. An electric fuel cut off solenoid fitted providing high engine temperature and low oil pressure protection.</p> <p>HOSE REEL</p> <p>Fully hydraulically operated hose reel of 150-meter capacity. The hose to be polyurethane sleeved fibre reinforced sewer hose.</p> <p>BREAKER TANK A 500L polyethylene corrosive resistant breaker tank complete with hydrant fitting – drain valve and</p>			
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	<p>copper float control.</p> <p>FILTRATION In-line heavy-duty high-volume filter.</p> <p>INSTRUMENTATION (With Lockable Cover)</p> <p>All instruments and control levers to be positioned at the rear of the machine to give the operator completes control of the cleaning operation. The instrumentation and control levers to include:</p> <p>Glycerin fitted water pressure gauge</p> <p>Oil pressure warning light</p> <p>Battery condition warning light</p> <p>Hydraulic oil pressure gauge</p> <p>Reel direction control lever</p> <p>Reel speed with infinite adjustment</p> <p>Engine speed control</p> <p>3 Way change over valves for pressure to nozzle manual</p> <p>By-pass or pressure ancillary take-off.</p> <p>HYDRAULICS An adequate hydraulic system will be fitted complete with in-line filter and sealed against water contamination.</p> <p>Plunger Pump.</p> <p>Automatic by-pass and pressure regulator</p> <p>Pressure dampener</p> <p>High volume inline filtration</p> <p>Hose guide and 3 way flow valve</p>			
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	<p>Retro-jet pipe cleaning nozzle with replaceable ceramic inserts</p> <p>Centrally rear mounted hose reel and engine speed control.</p> <p>Mounted on High Speed Trailer. Complete with spare wheel</p> <p>Flow:153L/min, Pressure:130 Bar, Engine: 4 Cylinder air cooled 41Kw E/start diesel engine, Power Required:30Kw, Drive: Belt driven, Suitable for Clearing Pipes: 75-500mm, Hose: 121M X 20mm lightweight sewer hose, Reel: Hydraulically Operated and Breaker Tank: 500L corrosive resistant</p> <p>Accessories:</p> <p>Enz Rotating Nozzle, Enz Storm Bomb, Enz Pointed Nozzle, Flounder Nozzle, High pressure gun with 10m hose (RL124) and Venturi Jet Pump 75mm c/w 10mt Hose</p> <p>LICENSE AND ROAD WORTHY CERTIFICATE</p> <p>Trailers must be accompanied with all ownership papers for licensing Registration and Road worthy certificate).</p> <p>HIGH PRESSURE JETTING TRAINING</p> <p>The quotation shall include training and issuing of a certificate of 6 Prasa personnel on how to use the equipment</p>			
	6-Piece Extradition pipe remover	1	R	R
80	R600 Vario-Clean Cordless drain cleaning machine fully set To be suitable used for clear blockages in sewer pipes with	1	R	R

	<p>diameter up to 160mm.</p> <p>To feature three speed levels for unblocking, cleaning and clean spinning.</p> <p>Compact and battery operated</p>			
81	2000W grinder with anti-dust, heavy duty motor, double insulation and discs set for steel, wood and concrete	1	R	R
82	700W, 115mm professional angle grinder	1	R	R
83	3 piece 28 sizes ¼ Hex shank step drills	1	R	R
84	PFERD HSS Step drill set 3 piece 4-12mm 9 steps, 4-20mm 9 steps and 4-30mm 14 steps	1	R	R
85	100-piece drilling and driving bit set	1	R	R
86	Soldering set with 3 x cartridges and torch hot pack set	1	R	R
87	1.8kw inverter generator	1	R	R
88	6 piece 18V LI-ION Kit 3 x 5.0AH batteries and charger in bag (Combi drill, Impact driver, Jigsaw, Multi tool, Planer, Torch and heavy duty tool bag.	1	R	R
89	<p>Total station as per below specification including all the accessories;</p> <p>Maximum distance: 3.5km One Prism, 1KMm reflect paper and 1000 Prism-less</p> <p>Measuring time: Fine < 2s, 0.25s Tracing and < 0.35s Repeat</p> <p>79mm Crosshair plate diameter</p> <p>1" optional minimum reading</p> <p>2" accuracy</p> <p>System electrical sensor: Dual axis liquid</p> <p>+/-4' working range</p> <p>30"/2mm Plate level</p> <p>8'/2mm circular level</p>	1	R	R

	<p>Erect Image</p> <p>152mm Length of the telescope</p> <p>45mm telescope and 47mm distance to be measured</p> <p>30x Magnification</p> <p>1° 30' Field view</p> <p>1.3m Minimum focus</p> <p>Dual face type</p> <p>Chargeable lithium battery Source</p> <p>DC 6V Voltage</p> <p>8 hours continuous working type</p> <p>216L x 200W x 350mmH with a weight of 6.0 Kg</p> <p>FEATURES</p> <p>One touch measurement</p> <p>integrated USB communication, SD card and flash drive</p> <p>3.5" Color LCD touch screen</p> <p>Lithium-ion battery</p> <p>2" angular accuracy</p> <p>600m reflectors less</p> <p>ACCESSORIES</p> <p>8.6' foot TLV Prism Pole Total Station Surveying (No frills imported single section pole Aluminum outer and inner pole, 40 minute level vial, adjustable tip and 2.60m high)</p> <p>New high accuracy prism set, reflector for total station</p> <p>Total Station Heavy Duty Tripod</p> <p>TOTAL STATION TRAINING</p> <p>The quotation shall include training and issuing of the certificate of 6 Prasa personnel on how to use the</p>			
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	equipment			
	<p>OPTICAL LEVEL</p> <p>Optical level with 26x magnification</p> <p>FEATURES</p> <p>Easy to access and simple to operate</p> <p>Tough and easy to grip housing</p> <p>The optical system to be protected at the front by a large soft grip cover</p> <p>Levelling plate with 360⁰ gradations</p> <p>IP54 Protection class</p> <p>5/8" thread for attaching to a tripod</p> <p>2m long geo-folding rule: long distance visible scale with 'E' gradation on one side and classic metric scale on the other side</p> <p>Plumb line including a line for exact positioning of the optical level via a reference point for the use on a tripod</p> <p>To include rain protection and adjusting tools</p> <p>Stable carrying case</p> <p>BST-S construction tripod (height adjustable from 100cm to 160cm) and TNL levelling rod (extendable up to 500cm)</p> <p>SPECIFICATION</p> <p>26 Magnification</p> <p>38mm Lens aperture standard deviation</p> <p>1m shortest range</p> <p>Construction levelling type</p> <p>Field of vision diameter at 100m: 2.1m</p> <p>100 Multiplication constant</p> <p>1 accuracy of height in a simple measurement</p> <p>0.5 in Compensator accuracy</p> <p>0.5 Radius of working area for compensator</p>		R	R

	1° Resolution 1.462 kg net weight ACCESSORIES OLS 26 optical level BST-S Construction Tripod TNL telescopic levelling rod Geo folding rule Plump line including line Rain protection Adjusting tool Staff bubble level Carrying case			
90	Dumpy level 8-piece set	1	R	R
	Measuring wheel 10000m, Zero Reset on handle, folds in half, push button release clip, push button zero reset, kick down side strand, convenient carry handle, debris removing scraper, following fine edges, to run in straight line, balanced in line movement, better traction, wheel runs in sealed roller bearings, trigger brake and zero point indicator	6	R	R
91	10 x 25mm 33-448 W power lock measuring tape	6	R	R
92	60m fiberglass long tape with ground spike	2	R	R
93	120m Professional GLM 120 Laser distance measure 204 g item weight 22.2 x 15.9 x 74.5cm product dimension 1 x lithium ion batteries GLM 120 C style	6	R	R

	Single pattern Battery operated power source 3.6v voltage Metric Measurement system			
94	Aluminium Rolling Tower Scaffold Narrow Span 2100 series Technical specification: Supply and Deliver 0,7(W) x 1.5(L) x 12(H) meters double width Prefabricated: Where; <ul style="list-style-type: none"> W ~ Width, L ~ Length and H ~ Height Aluminium Narrow Span Tower Scaffolding comprising of: <ol style="list-style-type: none"> 1. Tower Height of 12 Meters above the ground level 2. Aluminium Folding Toe board 3. Non-Slip Platforms 4. Trap Door Platforms 5. Brace locking Hooks 6. Aluminium Stabilizers 7. Heavy Duty Caster with 40 cm adjustable 4 x legs with a loading Capacity of 400Kg each. 8. Maximum Load weight on the platform – 200Kg/m² P.S The Rolling Aluminium Tower Scaffold to comply with National Standards: <ul style="list-style-type: none"> SANS 51004:2009(BS En1004:2004 Material referring to BS EN 1999.1.1:2007) and a proof of this to be supplied on delivery. 	3	R	R
	SECTION 2 BOQ TOTAL:			R

FINAL SUMMARY: FACILITIES DEPOT TOOLS AND EQUIPMENT'S

Item No.	Description	Amount
1	Section 1 BOQ TOTAL	R
2	Section 2 BOQ TOTAL	R

Sub Total:	R
15%VAT:	R
Total:	R