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1. INTRODUCTION

The availability of spares is of utmost importance in the maintenance of any plant, as it reduces the Mean Time to Repair (MTTR) and ensures that the plant is restored with minimal disruption or delays. Establishing a contract ensures that stock levels are replenished promptly, thereby minimizing the risk of spares unavailability.

This document outlines the contract works to be executed by the successful bidder, who will be evaluated and selected through the Tender Technical Evaluation process. The Scope of Work (SOW) for this contract covers the supply and delivery of welding consumable spares to Hendrina Power Station on an “as and when required” basis for a period of 60 months.

2. SUPPORTING CLAUSES

2.1 SCOPE

This document outlines the Scope of Work and Bill of Quantities for the supply of welding consumables at Hendrina Power Station

2.1.1 Purpose

The purpose of this scope of work is to outline all the spare materials required, the contract work to be performed by the contractor, and the responsibilities of all parties involved. The contract scope of work serves to support the tender technical evaluation process.

2.1.2 Applicability

This document is applicable to Hendrina Power Station.

2.2 NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

2.2.1 Normative

- [1] 240-168966153 Generation Tender Technical Evaluation Procedure
- [2] Tender Technical Evaluation Strategy for Supply & Delivery of Welding Consumable Spares
- [3] QM-58 Supplier Contract Quality Requirements Specifications
- [4] 240-105691858 Materials Management Safe Work Procedures Transportation Requirements for Material Handling
- [5] 380-137421 Tender technical evaluation strategy for supply and delivery of welding consumable spares.

2.2.2 Informative

- [6] ISO 9001 Quality Management Systems
- [7] 32-1-34 Eskom Procurement Policy

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2.3 DEFINITIONS

Term	Definition
Contractor	Service provider contracted for supplying a specific service to Eskom Hendrina Power Station. Used interchangeably with the term <i>Supplier</i> .
Employer	The organization (Eskom) to which the supplier will be contracted for this tender and contracts that may result therefrom
Employer's Premises	Hendrina Power Station
Industrial Storage Facility	Physical space suitable for the storage of the items specified in the scope of work
Returnable	Document submitted by tenderer for evaluation in support of tender bid
Spares	Parts that can be used for replacement

2.3.1 Classification

Controlled Disclosure: Controlled Disclosure to external parties (either enforced by law, or discretionary).

2.4 ABBREVIATIONS

Abbreviation	Description
μ	Micro
BS	British Standard
CI	Cast Iron
CS	Carbon Steel
DI	Ductile Iron
FPT	Female Pipe Thread
GI	Galvanized Iron
kPa	Kilopascal
LG	Length
m	Metre
mm	Millimetre
MPT	Male Pipe Thread
OD	Outer Diameter
OEM	Original Equipment Manufacturer
ID	Inner Diameter
IN	Inch
ISO	International Organisation of Standardisation
QCP/QIP	Quality Control Plan / Quality Inspection Plan
PS	Power Station
SABS	South African Bureau of Standards
SCRWD	Screwed
SOW	Scope of Work
SS	Stainless Steel
STL	Steel

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μ	Micro
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CI	Cast Iron
CS	Carbon Steel
DI	Ductile Iron
FPT	Female Pipe Thread
GI	Galvanized Iron
kPa	Kilopascal
LG	Length
m	Metre
mm	Millimetre
MPT	Male Pipe Thread
OD	Outer Diameter
TET	Technical Evaluation Team
THD	Threaded
EDWL	Engineering Design Work Lead

2.5 ROLES AND RESPONSIBILITIES

System Engineer – Responsible for defining the technical specifications and scope to be executed by the contractor, as well as ensuring that sound engineering practice is followed.

Contract Manager – Responsible for the procurement document(s) required to establish a contract with the contractor deemed capable of executing the scope.

Contractor – Responsible for providing all the services required for the execution of the full scope of work.

2.6 PROCESS FOR MONITORING

N/A

2.7 RELATED/SUPPORTING DOCUMENTS

N/A

3. SCOPE OF WORK

Subsequent to the issuing of a task order by the *Employer's* representative, the contractor must:

- Supply required welding spares on an “as and when required” basis for a maximum period of sixty (60) months from the effective date,
- Transport the spares to the *Employer's* premises,
- Always keep contingency spares in storage in case of emergencies throughout the duration of the contract.
- Supply all necessary material and test certification/documentation for the spares,
- Provide confirmation of technical specification on delivery of spares.

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In case of emergencies, the *contractor* MUST deliver the required spares to the *employer's* premises WITHIN 24 hours.

3.1 EFFECTIVE DATE

This document will be effective from the date that the contract is authorised.

3.2 WORKS

A list of the spares to be supplied and delivered by the contractor is shown on *table 1* below.

Note: All sizes are specified in millimetres (mm) unless otherwise stated.

Table 1: Spares List

Consumables			
ERP number	Long description	Quantity	Unit
0035133	Electrode, welding: size: Dia 5mm; AWS class: E6031; Material: MS; container: box 6kg; vitamax, conforms to SABS455 E333R11, BS1719E307, DIN1913 E43, 32 R3	1500	KG
0610182	Tape, adhesive: type: masking H/temp; dimensions: WD 40mm x LG 48mm; material: paper	500	EA
0109465	Paper, abrasive: type: sanding; overall width: 230mm; Length: 250mm; grit:40; abrasive material: glass; backing material: paper; usage form: sheet	500	EA
0703847	Chalk: type: boilermakers; colour: white; form: soapstone; size: 150mm; masonry and construction soapstone pencil marker; supplied in a 3kg box	50	Box
0206453	Torch, cutting: unit type:HD universal 180DEG; commercial size: LG 500mm; material:BRS/SS; suppl P/N: 321-506.	50	EA
0257079	Apron, welder: garment style: BIB; full length; material: leather; color: gray; type: PPE; suppl P/N: W050-064; with reinforced straps	50	EA
0035044	Nozzle, torch: type: cutting; size: 3.2mm; suppl P/N: W005-020; 005-020;300mm scetylene, ANM-6, short pattern	50	EA
0690582	Helmet, welding: material: polypropylene; facepiece type: flip front; dimensions: 108 x 51mm; polypropylene welding helmet for MIG, TIG and arc welding; offers full protection and complies with EN 175; afrox item code: W05311	100	EA

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0550547	Electrode, welding: size: 3.15mm; AWS class:A5.1 E6013; vitemax; container: 5kg; specification: ENISO2560E350RC11;manuf P/N:W075003; A premium grade, general purpose rutile electrode suitable for welding mild steel; note: material safety sheet required with delivery	1500	KG
0035374	Rod, brazing: type: flux cored; diameter: 3mm; length: 1m; material: aluminium; container: box 1kg; reference no: 301	300	KG
0674405	Regulator, pressure: type: 1; 2 stage; inlet pressure: 230 bar; outlet pressure: 5-35 bar; connection: 5/8 INCHRH; body material: brass and stainless steel; for oxygen, helium, argon, air cylinders; vendors are responsible for ensuring that they are performing against the correct drawing revision number (if applicable)	50	EA
0601770	Kit, gas welding and cutting: type: acetylene/oxygen; cutting and brazing kit including hoses, flash back arrestors and brazing nozzle; vendors are responsible for ensuring that they are performing against the correct drawing revision number (if applicable)	50	EA
0210227	Coupler, hose: type: arrestor stem oxygen socket; size: 3/8 IN; connection: quick disconnect; material: brass; suppl P/N: W012-088	50	EA
0035374	Foil: Brazing; matrial: silver copper phosphorus; width: 19.5mm; 33mm; thickness: 0.12mm; OEM P/N: WT1-221052P0012, OEM: GE steam power service; vendors are responsible for ensuring that they are performing against the correct drawing revision number (if applicable)	250	KG
0684507	Brazing alloy: type: 05B1; physical from: round; diameter: 2.5mm; length: as required; OEM P/N: 2Z18126810, OEN: GE steam power service; drawing no: FBSE000497-4 REV 0; FBSE000496-6 REV 0; FBSE000496R003-6 REV D; for cons. OTE winding	200	KG
0160695	Protector: type: welders knee spats; material: leather CR; size large; adjustable, bearing the SABS mark of approval	250	EA
0160904	Protector: type: ankle spats, dimensions: WD 250 x LG 320mm; material: leather CR; knee length; item to be marked with SABS mark approval	150	Pair
0160946	Protector: type: welding: material; leather CR; specification: unique identifier 240-441575132; reference no: 3030; spats; leg guard; in pairs	150	Pair
	Spats: type: over shoes, material: PVC plastic elasticised; yellow GEN average thickness: 180 micron +/-10 micron unsupported, item to be cut from		

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0160955	one piece of mat, folded through the middle 350mm length- well welded along both 210mm side to- form A 350mm length well welded along- both 210mm sides to form A shallow- rectangular bag. The top is then fitted with laytex- rubber elastic band of section 3 to 4mm- square and 150mm length double unstretched	150	Pair
0679017	Wire: type: GS1; diameter: 2mm; material: stainless steel 309L; OEM P/N: 2Z18172097, OEM: GE steam power service; drawing no: FBSE100351-38 rev 0; FBSE000524-48 rev 0; manifold mounting consu	300	KG
0035181	Electrode, welding: size: 2.5mm; AWS class: A5.4; E316L-18; material: SS GR 316L; container: 4 KG; suppl P/N: 075-752; 10-S-P-31, only trans arc acceptable, test certificate to be submitted	1500	KG
0035175	Electrode, welding: size: 2.5mm; AWS class: A5.15-82E; material: NI IRON; container: box 5KG; suppl P/N: ULTRALOY91; reference no: 075-832; TRANSCAST 55, size 3.15mm dia	700	KG
0692501	Electrode, welding: size: 3.15mm; AWS class: A5.1-91; E7018-1; material: STL alloy; container: box 4KG; suitable for low hydrogen, rods to be clearly marked with LH7018-1, test certificate to be supplied with delivery and in sealed containers	1500	KG
0175073	Electrode, welding: size: 3.25mm; material: SS GR E316L; specification : DSG-310-199; Q2: NSF: NC: NAV	750	KG
0688174	Blade, saw: saw type: hacksaw junior; tooth design; teeth per inch; 24 teeth/in; blade material: CS; length: 300mm; thickness: 0.4mm	300	EA
0079446	Hammer: type: chipping; head material: STL; handle: STL; suppl P/N: 053-020; welders, shockproof handle	30	EA
0690587	Lighter: type: triple flint; convenient one hand operation; triple flint head for prolonged service life (renewable)	50	EA
0662180	Arrester, flashback: type: oxygen gas; connection size: 10mm; connection: pipe; material: AISI 1330 (spring AISI 301); mounting method: in-line; suppl P/N: 000125; with gas flashback arrestors with non-return valve; flame arrestor; temperature- sensitive cut off valve; vendors are responsible for ensuring that they are performing against the correct drawing revision number (if applicable)	50	EA
0155462	Gauge, pressure: range: 0-4000 KPA; 63mm; connection type: BSP; connection size: ¼ in; case material: STL; tube material: stainless steel; connection material: brass; connection location:	50	EA

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	bottom; mount: stem; non filled; for use on oxygen/acetylene regulators		
0554341	Inhibitor: type: oxygen; manuf P/N: 3000-1064; (C.O.C; Q4:NSF:NEV) (flash back arrestor); FBA DG91N DM 10VA oxygen	50	EA
0236023	Regulator, pressure: type: acetylene; inlet pressure: 0-150KPA; connection: BSP 3/8 IN; supl P/N: 012-121; W012-121; quick release coupling RF53 NSK/ flash back arrestor; mount; vendors are responsible for ensuring that they are performing against the correct drawing revision number (if applicable)	50	EA
0565294	Glove, welder: garment size: M; length: 8 IN; material: leather; color: green; cuff type: stitched; specification: EN3 88; unique identifier 240-44175132; type: general purpose; fully lined; SABS approved; physical properties: all cow leather glove with full cotton lining that can with stand heat between 140-175 degrees Celsius; standards EN 388; mechanical abrasion EN level 3 cut; EN level 1 rear EN level 4; puncture EN level 3; heat burning behaviour EN level 4; contact head EN level 2; convective heat EN level 4; molten metal drops EN level 4; cold suitable for general application; uses to be used as general welding gloves chemicals not suited for chemicals	250	Pair
0035062	Tip, torch: type: welding; fuel: acetylene/oxygen; material: stainless steel; ID 4 x OD 8mm	50	EA
0160880	Cap: type: skull, welders; cotton; suppl P/N: W 953-033; with back flap; colour: red; it to be marked with SABS mark of approval	100	EA
0662530	Pad, cushioning: type: flat knee; gel cap; dimensions: WD 19.8 x LG 24.5CM; cushioning material: outer fabric: 600D 100% polyester oxford; inner fabric: ethylene vinyl acetate; liner: expandable polyethylene support material: polyvinyl chloride fixed with nylon tread pattern; fastener: one wide adjustable elastic strap with hook & loop closure; air injected gel pads; flat kneeling surface prevent rocking; metal free; colour to be clear cap on back; one size fits most; latest ERI logo to be embraided on plastic strap in white	100	Pair
	Goggles, industrial: type: grinding; lens colour: clear; lens type: PC; reference no: 14.106; lenses 50mm, frame with 4 large indirect vents fits over prescription spectacles, fits front section	150	EA
0041160	Goggles: type: grinding; lens colour: shade 6; material: PC; reference no: CDG1C6; view flex, with poly carbonite lenses, wide vision, must be antifog,	150	EA

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	anti scratch, safety glass, item to be marked with SABS mark of approval		
0694959	Clamp: type: earth retic; dimensions: 110 x 30mm; material: brass; clamping range: 42mm; height: 110mm; max short circuit: 20 KA/1SEC; rated short circuit current: 23 KA/1SEC; width: 30mm	100	EA
0632420	Cable: type: welding; diameter: 50mm; length: 40m; material: ISO propanol UV protected PVC; specification: 150 A	500	Meter
0690579	Holder, electrode welding: type: optimus style; operating current: 400 A; electrode quantity: 1; electrode type: fully insulated jaws; insulation: ribbed handle; fully industrial type electrode holder; ribbed handles for better grip and optimal cooling	50	EA
0698509	Face shield, safety: type: anti fog; dimensions: WD 250 x LG 300 x DP 250mm; material: PVC; colour: transparent; special features: glasses frame; blue clip; SABS approved	50	EA
0035288	Electrode, welding: size: 3.15mm; AWS class: E6013; MS container: box 5KG; reference no: maxarc; vita-max	1500	KG
0550761	Electrode, welding: size: 2.5mm; AWS class: A5.1 E7018-1HB; material: hydrogen; container: 4KG; specification: ENISO2560AE424B12H10; manuf P/N: W075282; A premium grade suitable for welding C-MN and low alloy steels; note: material safety data sheet required with delivery	1500	KG
0658326	Coupler: type: hose; size: 275 x 125mm; connection: quick release; material: CS ST37; suppl P/N: 004.1270; specification: 106202; vendors are responsible for ensuring that they are performing against the correct drawing revision number (if applicable)	50	EA
0727308	Rod, welding: class: AWS A5.9: ER309L; diameter: 1.6mm; length: 1m; material: stainless steel; container: box 5KG; type: tig; 3.1 certificate required with delivery	700	KG
0609721	Nozzle, torch: type: cutting; size: 1.6mm; material: copper; acetylene hand cutting nozzle 1.5, 25-50mm-20 KPA	50	EA
0229642	Brush, wire: type: welder; trim length: 30mm; dimensions: WD 45 x LG 290 x HT 50mm; material: stainless steel; handle: wood; suppl P/N: 053081	50	EA
0205299	Coupler: size: 3/8 IN; connection: quick release; vendors are responsible for ensuring that they are	50	EA

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	performing against the correct drawing revision number(if applicable)		
0035034	Nozzle, torch: type: cutting; size: 1.2mm; material: copper; suppl P/N: W005-005; 005-031; 13mm acetylene, ANM-6, short patt	50	EA
0186467	Nozzle, torch: type: cutting; size: 1.5mm; suppl P/N: TET-01507; for Panasonic air plasma cutter PS-99/80A	50	EA
0159630	Brush, wire: type: welder; dimensions: WD 25mm x LG 150mm; material: stainless steel, handle: wood; fine	50	EA
0718939	Screen: type: 2-3m welding screens; dimensions: DIA 1200 x LG 2400 x THK 6mm; mesh size: 4.5mm; wire size: 6mm; material: SS GR 304, vendors are responsible for ensuring that they are performing against the correct drawing revision number (if applicable)	10	EA
0035042	Nozzle, torch: type: cutting; size: 4mm; reference no: 005/026	50	EA
0688444	Nozzle assembly: type: acetylene; dimensions: 2.4 short patt; material: brass; application: hand cutting; specification: A-NM6; W005018	50	EA
0035033	Nozzle, torch: type: cutting; size: 0.8mm; suppl P/N: 005-030; W005-014; 6mm acetylene, ANM-6, short patt	50	EA
0550724	Electrode, welding: size: 3.15mm; AWS class: A5.1 E7018-1HB; material: hydrogen; container: 4KG; specification: ENISO2560AE424B12H10; manuf P/N: W075283; A premium grade suitable for welding C-MN and low alloy steels; note: material safety data sheet require with delivery	1500	KG
0215331	Electrode, welding: size: 5mm;AWS class: A5.1; E7024-1; material: iron powder; container: box 5KG; afrolux	2000	KG
	Tool kid, special purpose: as per attached list; type: welding mechanical; application: welding mechanical, toolbox steel (blue painted), cantilever, 5 tray, LG 550 x WD 207 x HT 226mm; padlock, brass key to differ, 264,38mm 3 keys; apron, leather, PW2210, with same, 90 x 60; bag, file canvas, 13 file capacity; bevels, sliding 3789, aluminium, 200mm; brush, wire brazing, wood handle, fine, 422, 5x15 row; chalk line, zinc alloy case, 30m; chisel, cold flat, 19x200mm; curve, flexible, 600mm; cutter, radius, 69A; divider, spring, DD/10, 250mm; divider, spring, DD/4, 100mm; divider, spring, DD/6, 150mm, earplug, cored bilsum large, no: 304, 1000106; file accessory, Bruch,		

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0737996	463,115x40mm; handle plstick-125mm; file accessory, handleplatick-100mm; file accessory, handle plastic-75mm; file, flat, 2 ND cut, 200mm: file, flat, 2 ND cut, 300mm; file, flat, bastard cut, 300mm; file, flat, round 2 ND cut, 250mm; file, flat, round, 2 ND cut, 300mm; file, square, 2 ND cut, 200mm; gloves, chrome leather, R8, 200mm; goggles, welding gas, flip front, G280P; hacksaw, frame, 20T, 300mm; hammer, ballpein, fibreglass handle, 25224,700G; hammer, ballpein, wood, handle, FG04185,200GRM; hammer, chipping, spring handle, straight; level, torpedo/boat 2 vial,230mm; padlock, brass key to differ 264, 38mm 3 keys, plier, fencing heavy duty, 300mm; plier, vice grip, DL-20, 250mm; plier, welding grip, 138, 280mm; punch, centre, square, 351C, 100mm; rule steel folding, line of chords 60R, 600mm; screw driver, electrician, black point, 6008, 5.5 x 100mm; scriber, engineers, MS/-ST, E222, 190mm: spanner, combination, deep offset, CV, 17mm; spanner, combination, deep offset, CV, 19mm; spanner, combination, deep offset, CV, 24mm; spanner, combination, deep offset, CV, 28mm; spanner, combination, deep offset, CV, 30mm; spats, leather, pair; spectacles, safety clear, SN180C; square set combination heavy duty, 300mm, 4PC; square, rafter, metric, MTS4606, 50 x 600mm; square, tri/mitre steel, 46-508, 200mm; tape, measuring, rubber case, 13mm x 20mm; tape, measuring, rubber case, 16mm x 3mm; tin snip, straight handle, G245/10, 250mm; welding accessory, cleaner, nozzle; welding, accessory, key spindle, SK; welding, accessory, lighter triple flint, TFL; wrench, adjustable shifter, heavy duty, 300mm	5	EA
0671872	Nozzle, torch: type: gouging; size: NO 2; material: CU carbon; specification: 420045	50	EA
0035365	Electrode, welding: size: 4mm; material; CI; container: box 5KG; suppl P/N: 075-904; gouging and cutting, test certificate to be supplied; AWS class not applicable	500	KG
0035374	Rod, brazing; type: flux cored; diameter; 3mm; length: 1m; material: aluminium; container; box 1KG; reference NO: 301	100	KG
0216197	Electrode, welding: size: 3.15mm: AWS class: AS2576 1858-A4: material: CR carbide; container: box 5KG; suppl P/N: 075.623; Q650A for hard facing	700	KG
0210220	Wire, welding: style: 309L; material: stainless steel; diameter: 1.6mm; form: bundle; type: TIG; suppl P/N: W030-570; bundle 5KG	100	KG
	Holder, electrode welding: design type: gouging torch; reference NO; K4000; complete with 2.13m swivel		

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0035063	cable; code 054/311; trans arc; dimensions: ID 4.8 x OD 12.7 x LG 200mm; material: STL	5	EA
0124250	Connector, electrical: type: plug; reference NO: 330102707; female inserts; for heating HAN 10E plugs	50	EA
0726632	Electrode, welding: size: DIA 2.4mm x LG 1m, AWS class: A5.9; E309L, material: E309L; container: tube	750	KG
0679017	Wire: type: GS1; diameter; 2mm; material: stainless steel 309L; OEM P/N: 2Z18172097, OEM: GE steam power service; drawing NO: FBSE100351-38 REV 0; FBSE000524-48 REV 0; manifold mounting consu	750	KG
0667551	Wire, welding: style: GMAW; material: AWS A5.9 ER309LMO; diameter: 1.2mm; form: wire; length: 1m; package weight: box 5KG	750	KG
0035104	Set: type: nozzle cleaner; application: nozzle cleaner welding/cutting tips, quantity: 10; suppl P/N: W012-172; standard fit, for use with welding and cutting tips C9	150	EA
0575532	Service: type: welding rod DIA 2.6mm x LG 300mm 309L-16' AWS A5.4/A5.4M; 2KG box; Duva power station; unit 6	750	KG
0692881	Electrode, welding: size: DIA 3.2 x LG 300mm; AWS A5.4 E309L-17; material: CR13NI; container: box plastic 5KG; specification: BS EN ISO 14172: E NI 6082 (NICR 20MN3NB)	750	KG
0547793	Electrode, welding: size: 2.5mm; material: SS 308; container: 1KG; 1KG afrox 308 stainless steel rods 2.5mm	750	KG
0035206	Electrode, welding: size: 2.5mm; AWS class: E7018-1; material: STL low hydrogen coated; container: box 4KG; reference NO: 05-282; LH7018-1; trans arc, suitable for low hydrogen welding, rods to be clearly marked with LH7018-1, test certificate to be supplied with delivery in sealed containers	1500	KG
0186262	Electrode, welding: size: 4mm; AWS class: LH7018-1; material: steel; container: 4KG; suppl P/N: 075-284	750	KG
0765640	Welding: type: TIG; material: stainless steel 304L; class: AWS A5.9 ER304L; DIA 1.6mm x LG 1m; container: box 5KG	750	KG
0035088	Compound: type: spray, anti spatter; container: can aerosol 500ML ; physical form; suppl P/N: W034-010; for welding; silicon aerosol; chemicals to be supplied with MSDS and section 12 ecological information of the MSDS to be completed in detail	75	EA

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0035412	Rod, brazing: diameter: 2.5mm; material: CU silbrallo; TEKTIC	250	KG
0545836	Electrode, welding: size: 2mm; AWS class: A5.1 E6013; material: vitemax; container: 4KG; specification: ENISO2560E350RC11; manuf P/N: W075001; A premium grade, general purpose rutile electrode suitable for welding mild steel; note: material safety data sheet require with delivery	1500	KG
0550577	Electrode, welding: size: 4mm; AWS class: A5.1 E6013; material: vitemax; container: 4KG; specification: ENISO2560E350RC11; manuf P/N: W075004; A premium grade, general purpose rutile electrode suitable for welding mild steel; note: material safety data sheet require with delivery	1500	KG
0550726	Electrode, welding: size: 2.5mm; AWS class: A5.1 E6013; material: vitemax; container: 5KG; specification: ENISO2560E350RC11; manuf P/N: W075002; A premium grade, general purpose rutile electrode suitable for welding mild steel; Note: material safety data sheet require with delivery	1500	KG
0725498	Scissors: blade style: tin snip for straight cutting; length; 250mm; cut length: 50mm; material: high carbon steel, hardened and polished; type: tin snipper	50	EA
0672520	Punch, pin: type: parallel; point diameter: 0.8-1.6 (5 piece) CM; diameter: 0.8-1.6 (5 piece) CM; overall length: 22.5 to 29CM; material: steel; body style: parallel pin punch	50	EA
0534321	Hose assembly, non metallic: type: oxygen; with 2 clamps	100	EA
0612825	Wire, welding: style: AWS AS 27; material: bronze; diameter: 5mm; form: brazing; package weight: 5KG; classification: CU ZN – C	250	KG
0035195	Rod, brazing: diameter: 1.6mm; material: silver 30 PCT; reference NO: 001-195; form solid core wire, flux coated, 1.6mm diameter excluding flux, 6 sticks – 100G, “flux coat 35” brand only	250	KG
0548949	Wire, welding: style: brazing brass/bronze; material: BRZ; diameter: 3.2mm; form: rod; length: 1m; package weight: 5KG	250	KG

3.3 MATERIAL CERTIFICATES AND GUARANTEES

The following documentation must be supplied to the *Employer's* representative before any item is accepted on site:

- Material Certificate for all metallic products.
- Applicable guarantee/warranty, where applicable.

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3.4 GENERAL REQUIREMENTS

Other welding-related spares not listed in the spares list can and may be required on an as and when basis subject to prior agreement between both the *employer* and the *contractor*.

3.4.1 Storage

The *contractor* must have a suitably sized storage facility where a minimum amount of all the spares listed in section 3.2 are to be kept for when the *Employer* requires them urgently. It is the responsibility of the *contractor* to ensure the safekeeping of spares, and that the quality of spares is not negatively impacted whilst in storage.

The spares listed in table 1 must always be available and ready for delivery at the *Employer's* premises on request.

3.4.2 Handling And Transportation

The *contractor* is expected to practice safe handling techniques during the unloading, offloading, and throughout the transportation of the spare listed in section 3.2. The *Employer's* representative will not accept any damaged items upon delivery.

Should the delivered spares be found to be defective or non-functional during or after delivery, the contractor remains responsible for the handling and transportation in the replacement process of the item(s).

4. AUTHORISATION

This document has been seen and accepted by:

Name	Designation

5. REVISIONS

Date	Rev.	Compiler	Remarks
September 2025	0		First Issue

6. DEVELOPMENT TEAM

The following people were involved in the development of this document:

7. ACKNOWLEDGEMENTS

N/A

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