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|  | Scope of Work | Kusile Power Station |
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Content

Page

| | |
|--|----|
| 1. Introduction..... | 4 |
| 2. Supporting Clauses | 4 |
| 2.1 Scope..... | 4 |
| 2.1.1 Purpose..... | 4 |
| 2.1.2 Applicability | 4 |
| 2.1.3 Effective date..... | 4 |
| 2.2 Normative/Informative References | 4 |
| 2.2.1 Normative..... | 4 |
| 2.2.2 Informative..... | 5 |
| 2.3 Definitions | 5 |
| Disclosure Classification..... | 6 |
| 2.4 Abbreviations | 6 |
| 2.5 Roles and Responsibilities | 6 |
| 2.5.1 Contractor | 6 |
| 2.5.2 Employer | 6 |
| 2.6 Process for Monitoring..... | 6 |
| 2.7 Related/Supporting Documents..... | 6 |
| 3. Scope | 6 |
| 4. Description of the works | 7 |
| 4.1 Documentation | 12 |
| 4.2 Acceptance of Spares | 12 |
| 4.2.1 Spares Identification..... | 12 |
| 4.2.2 Obsolescence..... | 12 |
| 4.2.3 Packaging | 13 |
| 4.2.4 Acceptance of spares | 13 |
| 4.2.5 Information to be provided to the Supplier | 14 |
| 4.3 Spares Management | 14 |
| 4.4 Equipment Required..... | 15 |
| 4.5 Consumables Required..... | 15 |
| 4.6 Workshop..... | 15 |
| 4.7 Planned KEY PERFORMANCE INDICATORS (KPI)..... | 15 |
| 5. Acceptance..... | 15 |
| 6. Revisions..... | 15 |
| 7. Development Team | 15 |
| 8. Acknowledgements | 16 |

CONTROLLED DISCLOSURE

Tables

Table 1: Gear Pumps..... 7

1. Introduction

Kusile Power Station management decided to establish a long-term agreement for the supply of some of the power Station's strategic, critical, and operational plant spares. For the plant to operate effectively and efficiently, maintenance must be performed at intervals specified as per plant maintenance strategies. Correct plant spares are required to ensure maintenance is executed as per the maintenance strategy requirements and thus must be always available. The identification of which specific components to be kept as spares as well as the quantities has been done according to the information available at the time of the compilation of this document.

The required information for spares holding has not been adequately detailed enough to enable the full cataloguing of the identified spares into the SAP computer data base. This creates challenges to the current and future procurement processes and may lead to costly delivery of wrongly specified equipment. The works information processes outlined in this document are intended to eliminate or minimize the risk of such occurrences.

2. Supporting Clauses

2.1 Scope

The scope of work (SOW) specifies the required spares to be supplied by the *Supplier* on an as and when required basis and conditions for acceptance. The scope included here does not substitute procurement procedures that will be followed during the procurement process.

2.1.1 Purpose

The purpose of this document is to provide scope of work and technical information for the purchase of Variable Speed drive Hydraulic coupling and their associated auxiliary equipment Spares and ensure that all maintenance spares, which Kusile Power Station is procuring, are correct.

2.1.2 Applicability

This document is applicable to Kusile Power Station.

2.1.3 Effective date

This document will be effective from the date of its authorisation.

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] ISO 9001 Quality Management Systems
- [2] 36-681 Generation Plant Safety Regulations

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- [3] 32-727 SHEQ Policy
- [4] 240-83797737 In- Service monitoring of Lubricating oils and Hydraulic fluids
- [5] 240-84513751: Material Specification and Certification Guideline for Power Generation Plant
- [6] 240-86546783: Procurement Standard for Material Certification Requirements Applicable to Metallic Products Used on Low and Medium Pressure Applications
- [7] 240-54820279: Receive Materials
- [8] BS EN 10204 (2004) - Metallic products -Types of Inspection Documents
- [9] 240-106024999_Kusile Power Station Feedwater and HP Heating Maintenance Spares Strategy
- [10] Table 1 –Variable Speed drive Hydraulic coupling spares
- [11] Table 2 – List of Standards applicable for use

2.2.2 Informative

N/A

2.3 Definitions

| Definition | Explanation |
|------------|---|
| Contractor | Service provider contracted to provide a specific spares & documentation to Kusile Power Station. Referred to as the Supplier on this document. |
| Employer | Kusile Power Station |

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| Definition | Explanation |
|---------------------------|---|
| Disclosure Classification | Controlled Disclosure to external parties (either enforced by law, or discretionary). |

2.4 Abbreviations

| Abbreviation | Description |
|--------------|--|
| ISO | International Organisation for Standardisation |
| KPI | Key Performance Indicator |
| OEM | Original Equipment Manufacturer |
| OHS | Occupational Health & Safety |
| PSR | Plant Safety Regulations |
| SHEQ | Safety, Health, Environmental & Quality |
| SOW | Scope Of Work |

2.5 Roles and Responsibilities

2.5.1 Contractor

- To Supply and Deliver Fans for Kusile Power Station. , according to the specifications and technical requirements on this document.
- Contractor shall submit all documentation as requested by the Employer.

2.5.2 Employer

- Compiles and submit scope of work with technical specifications.
- Performs Quality Control of all spares on delivery at the Employer premises.

2.6 Process for Monitoring

This document will be a once-off document to state the scope of work to supply and deliver Fans contract.

2.7 Related/Supporting Documents

N/A

3. Scope

To supply and deliver Fans Scope of Work

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4. Description of the works

The works is to Supply and Deliver Fans for Kusile Power Station with technical specification in a spares list. The spares are listed in Table 1.

Table 1: Fans

| Item No: | Material Number | Detailed Description | Unit |
|----------|-----------------|--|------|
| 1 | 0040294 | FAN, ELECTRIC: TYPE: AXIAL COOLING; SIZE: 150 MM; POTENTIAL: 240 VAC; VOLUME RATING: 96.4 LPS; SUPPL P/N: W2S130-AA0323; 50HZ 40W; 55MM HT | EA |
| 2 | 0571329 | RACK, EQUIPMENT: TYPE: FAN; DIMENSIONS: 19 IN; MANUF P/N: M1000200 | EA |
| 3 | 0573119 | ASSEMBLY: TYPE: SAF 40/23,2-2 (TWO-STAGE AXIAL FLOW FAN); APPLICATION: INDUCED DRAUGHT FAN; DIMENSIONS: DIA 3.982 (IMPELLER HUB DIAMETER) M; MATERIAL: STEEL; COMPRISING: SHAFT;BEARING;IMPELLER;HYDRAULIC;ACTUATOR; DRAWING NO: V7007742 REV 0; HNC 10/20 AN001; BLADES EXCLUDED; IMPELLER MOUNTED TO IMPELLER SHAFT AND HYDRAULIC ACTUATOR; DELIVER ON A STEEL STAND AND PRESERVE AGAINST CORROSION; PROVIDE MANUFACTURING DATABOOK | EA |
| 4 | 0573120 | ASSEMBLY: TYPE: ANN-3200/1600B (SINGLE-STAGE AXIAL FLOW FAN); APPLICATION: FORCED DRAUGHT FAN; DIMENSIONS: HUB DIA 1.6 X SHAFT LG 2.283 M; MATERIAL: STEEL; COMPRISING: IMPELLER MOUNTED TO SHAFT; HYDRAULIC ACTUATOR AND ROTATING OIL SEAL; DRAWING NO: 1-14082-0 REV 0, 1-14092-0 REV 0; HLB10/20 AN001; BLADES EXCLUDED; DELIVER ON STEEL STAND, EXTERNALLY PRESERVED AGAINST RUST; ROTATING OIL SEAL PACKED SEPARATELY; IMPELLER MOUNTED TO IMPELLER SHAFT AND HYDRAULIC ACTUATOR; MANUFACTURING DATABOOK TO BE PROVIDED | EA |
| 5 | 0579220 | FAN: TYPE: VENT; VOLUME RATING: 30 M3/MIN; MATERIAL: S235JR; DRIVER: ELECTRIC MOTOR; MANUF P/N: 199509/0005H | EA |
| 6 | 0583354 | VENTILATOR: TYPE: FAN/FILTER UNIT; DIMENSIONS: 323 X 12.5 MM; CAPACITY: 22.05 DM3; MANUF P/N: SK3327.107; 700-720 M3/H; 230V; PANEL; RAL7035; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | EA |

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|----|---------|---|----|
| 7 | 0583370 | FAN, ELECTRIC: TYPE: AC AXIAL COMPACT; SIZE: DIA 250 MM; POTENTIAL: 230 VAC; CURRENT: 560-790 MA; VOLUME RATING: 1205 M3/HR; SPEED: 2550/2700 RPM; MATERIAL: AL; SPECIFICATION: EN60335-1; INSULATION CLASS: F; DIRECTION: ANTI CLOCKWISE; SERVICE FACTOR: S1; BLADE QUANTITY: 7; MANUF P/N: W2E250-HL06-01 | EA |
| 8 | 0600213 | FAN, ELECTRIC: TYPE: AC ACIAL; SIZE: 150 X 55 MM; POTENTIAL: 230 VAC; CURRENT: 190 MA; VOLUME RATING: 325 M3/HR; OEM P/N: 0108040058; EBMPAPST TYPE W2S130-AA03-01 | EA |
| 9 | 0612208 | FAN, ELECTRIC: TYPE: UPS; SIZE: DIA 150 MM; POTENTIAL: 230 VAC; CURRENT: 3 A; VOLUME RATING: 100 M3/MIN; TEMPERATURE CLASS: 40 DEG C; OEM P/N: 0108040058; 66.70VA/ 50 HZ | EA |
| 10 | 0618495 | PAD, BRAKE: USAGE DESIGN: FORCE STOP; FAN/MOTOR; QUANTITY PER SET: 2; SENSOR: NONE; SPECIFICATION: SHD-60; DIMENSIONS: WD 100 X LG 170 X THK 17MM; SUPPORTED BY 4 BOLTS; 4 THREADED HOLES; HOLE DIA: 10MM | EA |
| 11 | 0621491 | BEARING, PLAIN: TYPE: PA FAN BEARING NDE; INSIDE DIAMETER: 160 MM; SHAPE: CYLINDRICAL; MATERIAL: WHITE METAL; SPECIFICATION: L3N 3457.96.97; DRAWING NO: B11244 REV 0; SUPPL P/N: HSR22/BKRT160/SD160/NDE; USED ON JOURNAL FORCED LUBRICATION BEARING | EA |
| 12 | 0621678 | PAD, BRAKE: USAGE DESIGN: PA FAN; QUANTITY PER SET: 2; SENSOR: NONE; SUPPL P/N: BSAK-300DS-XXS-200 | EA |
| 13 | 0629914 | FAN, ELECTRIC: TYPE: COOLING; SIZE: SQ 323 MM; POTENTIAL: 230 VAC; CURRENT: 0.37 A; VOLUME RATING: 465 M3/HR; SPEED: 2720 RPM; MATERIAL: PLASTIC; DIRECTION: CLOCKWISE; SUPPL P/N: SK3243; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED | EA |
| 14 | 0635396 | FAN, ELECTRIC: TYPE: COOLING; SIZE: 181 MM; POTENTIAL: 400 VAC; CURRENT: 2.65 A; VOLUME RATING: 3900 M3/HR; SPEED: 1475 RPM; MATERIAL: SS; POLES: 4; DIRECTION: BI DIRECTIONAL; CLASSIFICATION: IP55; BLADE LENGTH: 601 MM; SUPPL P/N: TMR150-601N | EA |
| 15 | 0635420 | FAN: TYPE: DIRECT COUPLED BACKWARD BLADED CENTRIFUGAL; DIMENSIONS: LG 1703 MM; VOLUME RATING: 2 M3/S; MATERIAL: STEEL; DRIVER: ELECTRIC MOTOR; REFERENCE NO: TF710/250/14; SUPPL P/N: TF710/250/14; IMPELLER TYPE: AXIAL BLADE | EA |

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| 16 | 0637911 | FAN: TYPE: HCB SEAL AIR SIDE CHANNEL BLOWER; DIMENSIONS: WD 269 X LG 285 X HT 302 MM; VOLUME RATING: 1.5 M3 AT 70 MBAR; MATERIAL: AL CAST; SUPPL P/N: 004.1329; 144443; DIRECT 0.55KW | EA |
| 17 | 0637912 | FAN: TYPE: HCC SEAL AIR SIDE CHANNEL BLOWER; DIMENSIONS: WD 313 X LG 334 X HT 337 MM; VOLUME RATING: 2.5 M3 AT 70 MBAR; SUPPL P/N: 004.1330; 137108; DIRECT 0.85KW | EA |
| 18 | 0643558 | FAN: TYPE: CUBICLE; REFERENCE NO: FK7726.230VAC-1610CUM/HR; SUPPL P/N: FAN15 | EA |
| 19 | 0643559 | THERMOSTAT: TYPE: FAN CONTROLLER; SUPPL P/N: OW-970 | EA |
| 20 | 0644580 | FAN, ELECTRIC: TYPE: DIAGONAL/SELF-STARTING; SIZE: SQ 255 MM; POTENTIAL: 230 VAC; CURRENT: 0.26 A; VOLUME RATING: 205 M3/HR; MATERIAL: PVC; POLES: 1; SUPPL P/N: SK3241.100 | EA |
| 21 | 0644882 | FAN, ELECTRIC: TYPE: FILTER; SIZE: SQ 152 X THK 89 MM; POTENTIAL: 220 VDC 22 W; CURRENT: 0.4 A; VOLUME RATING: 67 M3/HR; DIRECTION: BLOWING; SUPPL P/N: GHV1500220 | EA |
| 22 | 0647648 | IMPELLER, FAN: MATERIAL: S355J2G3; REFERENCE NO: 273174/273173; SUPPL P/N: LRE125-020030-00; SANDBLASTED GRAIN2.5; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | EA |
| 23 | 0650114 | FAN: TYPE: CENTRIFUGAL; SUPPL P/N: 305003; MPR SERIES 7 | EA |
| 24 | 0653521 | BLADE, FAN: TYPE: ID; LENGTH: 921 MM; WIDTH: 589 MM; THICKNESS: 265 MM; DEGREE PITCH: +13/-45; MATERIAL: GGG40; SUPPL P/N: SP-Kus-F2-06401; AXIAL FLOW; NUMBER OF STAGES: 2; NUMBER OF BLADES PER STAGE: 16; BLADE PROFILE: 16DA16; BLADE ADJUSTMENT RANGE: +13/-45DEG; PERIPHERAL SPEED: 155.25M/S; DISTANCE BETWEEN FAN HOUSING INTERNAL DIAMETER AND IMPELLER EXTERNAL DIAMETER: 4MM; OPERATING DATA LIST: 15297/22; CHARACTERISTIC CURVE FAN: 15297/22KNF; STARTING TORQUE CURVE: 15297/22STG | EA |
| 25 | 0659212 | FAN, ELECTRIC: TYPE: BATTERY CHARGER; SIZE: SQ 120 X THK 38 MM; POTENTIAL: 230 VAC; CURRENT: 10 A; VOLUME RATING: 2.52-2.83 M3/MIN; SPEED: 3000 RPM; MATERIAL: DIECAST; SPECIFICATION: FAN100-4C 230HB; DIRECTION: CLOCKWISE; SUPPL P/N: 230V/BI-SONIC; HOUSING MATERIAL: AL; COLOR: BLACK; RATING: UL94V-D; POWER: 22/19W | EA |

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| 26 | 0660487 | FAN, ELECTRIC: TYPE: CENTRIFUGAL BLOWER; SIZE: WD 182 X LG 518 X HT 472 MM; POTENTIAL: 400 V; CURRENT: 1.86 A; VOLUME RATING: 1220 M3/HR; SPEED: 2845 RPM; POLES: 2; DIRECTION: BI DIRECTIONAL; DRAWING NO: CBZ-400-24-000-11 REV 0; SUPPL P/N: CRB300; CASING MATERIAL: MS; IMPELLER MATERIAL: AL; FAN TO BE SUPPLIED AS A UNIT INCLUDING THE MOTOR CMG 0.75KW; 2820RPM; 2P; FOOT MOUNT; MODEL: MART080-2 | EA |
| 27 | 0662692 | FAN: TYPE: FILTER UNIT; DIMENSIONS: DIA 215 MM; VOLUME RATING: 2 M3/S; MATERIAL: PLASTIC; SPECIFICATION: TH-CD-2592-00-03; DRIVER: MOTOR; SUPPL P/N: 2592-00-03-28 | EA |
| 28 | 0665118 | JOINT, BALL: SIZE: 10 MM; CONNECTION: M16; MATERIAL: CI GJL-250; TYPE: FD FAN; APPLICATION: GEABOX GF50-3; SPECIFICATION: EN10220; SUPPL P/N: AH36-1 | EA |
| 29 | 0665876 | FAN, ELECTRIC: TYPE: AC AXIAL COMPACT; SIZE: DIA 172 X WD 51 MM; POTENTIAL: 230 VAC; CURRENT: 0.1 A; VOLUME RATING: 375 M3/HR; SPEED: 2800 RPM; MATERIAL: DIE CAST ALUMINIUM; DIRECTION: COUNTER CLOCKWISE; MANUF P/N: 6058 ES; 24 WATT; -25 TO 75 DEG C; CABLE 2 FLAT PLUGS 2.8 X 0.5MM; HOUSING WITH GROUNDING LUG FOR M4 X 6; MOTOR PROTECTION PROTECTED FROM OVERLOAD BY THERMAL SWITCH; SOUND POWER LEVEL 5.9B; SOUND POWER LEVEL 55 DB(A) | EA |
| 30 | 0666202 | FAN, ELECTRIC: TYPE: VENT; SIZE: DIA 695 MM; POTENTIAL: 380 VDC; CURRENT: 27.8 A; VOLUME RATING: 49.8 M3/MIN; SPEED: 2900 RPM; DIRECTION: ANTI CLOCKWISE; SUPPL P/N: XH-WG55-2008/WG55-11NO.5.2D; GLAND STEAM SUCTION EXHAUST FAN; THE FAN IS TO BE SUPPLIED AS A SET CONSISTING OF MOTOR; COUPLING; CASING; ABB MOTOR: M2QA160MB2 15KW; 2P; B3; 2900RPM; AC 380V-3PIH; 50HZ; ISO F; IP55; SUPPLY EQUIPMENT WITH THE NECESSARY TECHNICAL DATASHEET | EA |
| 31 | 0669672 | MODULE: TYPE: COOLING FAN; APPLICATION: G120 VSD 55KW PM240 ASH PLANT; SUPPL P/N: 6LS3200-OSF06-0AA0 | EA |
| 32 | 0669674 | MODULE: TYPE: COOLING FAN; APPLICATION: G120 VSD 18.5KW PM240 MILLING PLANT; OEM P/N: 6LS3200-OSF04-0AA0 | EA |
| 33 | 0669675 | MODULE: TYPE: COOLING FAN; APPLICATION: G120 VSD 30KW PM240 COAL PLANT; OEM P/N: 6LS3200-OSF05-0AA0 | EA |
| 34 | 0669687 | FAN, ELECTRIC: TYPE: UPS; SIZE: 250 MM; POTENTIAL: 230 V; CURRENT: 2 A; VOLUME RATING: 20 M3/HR; SUPPL P/N: 5056000038 | EA |

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| 35 | 0669689 | FAN, ELECTRIC: TYPE: AXIAL; SIZE: WD 1.703M X THK 800MM X HT 1.45M; POTENTIAL: 400 V; CURRENT: 5 A; VOLUME RATING: 2 M3/S; SPEED: 2855 RPM; POLES: 2; DIRECTION: BI-DIRECTION; CLASSIFICATION: NON HAZARDOUS; IP55; DRAWING NO: ZSM-MP200-28 REV 0; SUPPL P/N: F5J-S; PROCESS MEDIUM: AIR; OUTLET TEMPERATURE: 350 DEG C; FILTER: SQ 600 X LG 650MM; REF: 467641 | EA |
| 36 | 0669723 | FAN, ELECTRIC: TYPE: COOLING; SIZE: 1 M; POTENTIAL: 400 VAC; CURRENT: 4.6 A; VOLUME RATING: 1025 M2/MIN; SUPPL P/N: KSDK240F140E24/FAN; SUPPLY EXCITATION RECTIFIER FAN MOTOR SET | EA |
| 37 | 0694021 | FAN, ELECTRIC: TYPE: COOLING; SIZE: SQ 255 MM; POTENTIAL: 230 V; CURRENT: 0.39 A; VOLUME RATING: 107 M3/HR; DIRECTION: CLOCKWISE; BLADE QUANTITY: 4; REFERENCE NO: 010441; SUPPL P/N: 3243.100; 64/69DB; CONTROL PANEL COOLING AIR CIRCULATION FAN | EA |
| 38 | 0695023 | FAN, ELECTRIC: TYPE: BCS; SIZE: DIA 27 MM; POTENTIAL: 380 V; CURRENT: 58.1 A; VOLUME RATING: 30 M3/HR; SPEED: 2339 RPM; POLES: 4; SUPPL P/N: JB08292/3 | EA |
| 39 | 0695124 | FAN, ELECTRIC: TYPE: BLOWER; SIZE: DIA 125 X THK 80 MM; POTENTIAL: 400 V; CURRENT: 1.70 A; VOLUME RATING: 0,22 M3/MIN; SPEED: 2760 RPM; MATERIAL: 316L; SPECIFICATION: CRB280; MOTOR SIZE: 0.75KW; REFERENCE NO: ORD-PROD:CT26703/1-FEB2014 | EA |
| 40 | 0695932 | FAN, ELECTRIC: TYPE: AXIAL; SIZE: DIA 333 X LG 710 MM; POTENTIAL: 400 V; CURRENT: 2.1 A; VOLUME RATING: 12.8 M3/HR; SPECIFICATION: HEP 56-4T/H; MOTOR SIZE 1.05 KW; BLADE QUANTITY: 6; OTHER MATERIALS: PROPELLER: FIBERGLASS; SUPPORT FRAME: STEELDRAWING; DATA SHEET AND MANUAL REQUIRED ON EVERY DELIVERY | EA |
| 41 | 0695933 | FAN, ELECTRIC: TYPE: AXIAL; SIZE: DIA 236 X LG 465 MM; POTENTIAL: 400 V; CURRENT: 1.25 A; VOLUME RATING: 12.8 M3/HR; SPECIFICATION: HEP 35-2T/H; MOTOR SIZE 0,45 KW; BLADE QUANTITY: 6; OTHER MATERIALS: PROPELLER: FIBERGLASS; SUPPORT FRAME: STEELDRAWING; DATA SHEET AND MANUAL REQUIRED ON EVERY DELIVERY | |
| 42 | 0695934 | FAN, ELECTRIC: TYPE: AXIAL; SIZE: DIA 229 X LG 400 MM; POTENTIAL: 400 V; CURRENT: 0.89 A; VOLUME RATING: 4 M3/HR; SPECIFICATION: HEP 31-2T/H; MOTOR SIZE 0,3 KW; BLADE QUANTITY: 6; OTHER MATERIALS: PROPELLER: FIBERGLASS; SUPPORT FRAME: STEEL; DRAWING; DATA SHEET AND MANUAL REQUIRED ON EVERY DELIVERY | |

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4.1 Documentation

The following are the *Supplier's* requirements:

- a) The *Supplier* will ensure proper handling of the spares (from procurement of equipment, storage and transportation).
- b) The spare must be to the exact same specification as installed in the plant and specified on this scope of work document. *Notwithstanding the stipulated condition that the Supplier is responsible for verifying the correctness of the spares information provided by the Employer in relation to the existing installed spare. This may include the Supplier consulting the original supplier of the spare to ensure correctness of information provided by the Employer.*
- c) The *Supplier* will supply any additional information such as brochure, general arrangement drawing, certificates, detailed specification, data sheet, Settings Document for programmable electronic cards etc. Check sheets or drawings for quality inspections.
- d) The *Supplier* provides the *Employer* with additional spares information and verifies information required in the attached data capturing forms (DCF).
- e) The *Supplier* shall supply preservation and storage procedure/s, where applicable.
- f) The Employer may make clarification sessions available to either prospective *Supplier/s* in order to further assist the prospective *Supplier's* to meet the requirements of the work to be performed by the *Supplier*.
- g) The *Supplier* must ensure that all components supplied must be individually packed in such a way as to protect the parts during transport and storage. The packaging must also include the necessary labels to identify the items.

4.2 Acceptance of Spares

4.2.1 Spares Identification

Lists all the spares to be procured under this SOW. This list corresponds to the provided electronic copy of the DCF's that contain more information about the required spares.

Each spare is identifiable by means of an Eskom SAP Material number (as is used in the Power Station), part description, OEM and/or OEM part number.

4.2.2 Obsolescence

The Supplier shall inform the Employer immediately where spares are found to be obsolete before the alternative spares is supplied, the Supplier shall indicate this to the Employer and indicate viable alternatives thereof.

CONTROLLED DISCLOSURE

4.2.3 Packaging

- I. All supplied spares shall be packaged in such a manner that they will be transported and stored without damage. This includes preventing damage due to moisture ingress, dust and foreign objects. The contractor's procedure shall be used Transportation and Storage.
- II. Different spare types shall be packaged separately such that each spare type can be stored separately. Packaging shall be such that the spare can be identified without opening the packaging. Packaging shall be of material that will not be damaged, to an extent possible, by harsh weather conditions during transportation. If that is not possible, then the packaging shall be protected against such conditions.
- III. Where possible, packaging to be such that procured spares can be positively identified through the packaging. Where this is not possible, the packaging to be such that it allows opening and closing of packaging and still maintain the packaging integrity thereafter.
- IV. Delivery packaging shall include as a minimum the following details:
 - a) Purchase Order Number
 - b) Part Description
 - c) Part number
 - d) Eskom SAP Material number
 - e) Drawing number, where applicable
 - f) Physical address of Kusile Power Station and the *Supplier*
 - g) Contact details of the *Supplier*
 - h) Delivery note number

4.2.4 Acceptance of spares

- a) No incorrect, damaged or faulty spares will be accepted.
- b) All the spares will be inspected and accepted by Engineering and/or OEM Technician before payment could be processed.
- c) Data capturing forms information must be supplied and must meet an acceptable level.
- d) The Supplier must ensure that the supply and preservation of spares is done in compliance with preservation specifications and good engineering practice.
- e) The Supplier to advise the Purchasers warehouse/stores on effective storage of spares and preservation.
- f) Upon delivery of the goods at the Eskom stores, an inspection of goods and the receipt must be conducted by the End-user and the Supplier with 48 hours of delivery. There must be an approved list of appointed quality inspectors available with specimen signatures and this must be updated annually. As per Work Instruction, Receive Materials – 240-54820279.
- g) The Supplier must supply the Purchaser with warrantee certificates, test certificates and the complete data book of spares at the time of delivery which shall be uploaded into the SAP system Goods Receipt document as per Work Instruction, Receive Materials - 240-54820279.

CONTROLLED DISCLOSURE

- h) The Supplier must deliver the goods as per the agreed to delivery times.
- i) The Supplier to provide 3.1 Material certificates as a minimum, where applicable.

4.2.5 Information to be provided to the Supplier

The *Supplier* is provided with electronic Data Capture Form (DCF) for each spare required. The *Supplier* is required to ensure that the correct information is captured on the DCF's. The DCF's are required by the *Purchaser's* Material Management System to be able to book the item in the store and the information should also be sufficient to procure the correct spares in future. Most of the DCF's have been populated by the *Purchaser* where information was available. This information may not be correct and needs to be reviewed and verified/corrected as part of the *Services*.

The DCF's are provided in Microsoft Word format. The *Supplier* needs to ensure the 'Track Changes' function is selected 'on' so that any changes to the existing information as well as inserted information can easily be identified and tracked. The following information needs to be provided as detailed as possible on the DCF's.

- a) Verify the existing information that is already populated on the DCF's and make changes where required. Ensure the 'track changes' function is on.
- b) Populate/verify all fields highlighted in 'yellow' on the DCF's, in the electronic format provided.
- c) Supply additional information in the field "Free Format Text" or "Purchase order text" on the DCF's. This includes:
 - The standards or specification that the product has to conform to.
 - Add any spares information which has been omitted, which is deemed relevant for spares identification, packaging and protection requirements during transportation and storage.
 - The Quality Control requirements for manufacturing and testing of the product to ensure that the spares conform to the correct specifications or standards, including certificates and test results, that is required with delivery of the goods.
- d) Supply any other additional information that has not been specified on the DCF's but necessary for storage, preservation, installation and utilisation of spares where applicable. Such information includes brochures, technical data, etc. These DCF's with the added information needs to be made available electronically to the employer.
- e) Supply any other additional information that has not been specified on the DCF's but necessary for storage, preservation, installation and utilisation of spares where applicable. Such information includes brochures, technical data, etc.

4.3 Spares Management

The Purchaser may request the Supplier to provide accurate description of all spare parts included in the spares list.

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4.4 Equipment Required

The Supplier and his sub-suppliers must possess the tools and equipment to satisfy the requirements for the scope.

4.5 Consumables Required

The Supplier must supply his own consumables to satisfy the requirements for scope.

4.6 Workshop

The Supplier and his sub-suppliers are required to have suitable premises with the required tools and equipment to be able to conduct the scope of work. Eskom reserves the right to inspect the workshop premises to make sure that it is kept up to standard.

4.7 Planned KEY PERFORMANCE INDICATORS (KPI)

- a) The KPI's will be used to determine the successful performance of the scope. The Supplier is required to perform in order to meet these targets. The KPI's are to be agreed to between parties and are subject to change on an annual basis, based on the need.
 - o First committed delivery date
 - o Quality
 - o Non-compliance to the agreed Scope of Work, hold points and Quality Control Plans

5. Acceptance

This document has been seen and accepted by:

| Name | Designation |
|---------------|----------------------|
| A. Mngomezulu | Materials Manager |
| M. Molefi | Warehouse Supervisor |
| P.M. Modiba | Contract Manager |
| T. Tsatsi | Snr MRP |

6. Revisions

| Date | Rev. | Compiler | Remarks |
|-------------|-------------|-----------------|----------------|
| March-2022 | 1 | T. Tsatsi | First Issue |

7. Development Team

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

- P.M. Modiba

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- M. Molefi
- T. Tsatsi

8. Acknowledgements

N/A

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