

PROJECT: SUPPLY AND DELIVER OF CRITICAL SPARES FOR REPLESHMENT AT KUSILE POWER STATION (ONCE OFF)

| ITEM NO. | MATERIAL NO. | DESCRIPTION | UNIT | QTY | RATE | AMOUNT |
|---|--------------|---|---------|-----|------|--------|
| 1 | | PRELIMINARIES & GENERAL | | | | |
| 1.1 | | <u>Fixed Items:</u> 12 Tonne truck Diesel | Per Day | 2 | | |
| Sub-total Item 1 (Preliminaries and General) carried to Final Summary: | | | | | | |
| 2 | | ITEM 2 SPARES | | | | |
| 2.1 | 0247484 | MODULE:TYPE:SPEED MEASUREMENT; MANUF P/N: C0407400; SU PL PN MFC 000 ST 300;DG 32 085 3 NSF C0 | EA | 2 | | |
| 2.2 | 0252829 | MODULE: TYPE: RESISTOR; POWER SOURCE: 24 VDC; APPLICATION: SIMATIC 57-300; SUPPL P/N: 6ES7972-0DA00-0AA0; REFERENCE NO: RS485 | EA | 2 | | |
| 2.3 | 0571288 | MODULE: TYPE: CPU; MANUF P/N: CPC1-3840/C10/M512 | EA | 1 | | |
| 2.4 | 0571323 | HUB, NETWORK: TYPE: ETHERNET; ACCESS TIME: 10/100 MBPS; PORT TYPE: RJ45; MANUF P/N: X20HB8884; C0700570 | EA | 1 | | |
| 2.5 | 0574412 | MODULE, COMMUNICATION: TYPE: ETHERNET; APPLICATION: DCS; HARDWARE: MFC 3000 CONTROLLER; MANUF P/N: ETH1 CPC18211; E52C0407200; 10/100 MBITS/S TRANSMISSION RATE AT HALF AND FULL SUPLEX OPERATION | EA | 1 | | |
| 2.6 | 0621294 | BREAKER, CIRCUIT: POTENTIAL: 230-400 VAC; 250-440 V; 60 VDC; CURRENT: 2 A; POLE: 1; SPECIFICATION: 5SJ4; WIDTH: 18 MM; COLOR: WHITE; TYPE: MCB; MOUNT: SCREW OR RAIL; INTERRUPT CAPACITY: 10 KA; SUPPL P/N: 5SJ4102-7CC20 | EA | 2 | | |
| 2.7 | 0621807 | MODULE: TYPE: MULTIPLE INTERFACE; POWER SOURCE: 20-33 VDC; DIMENSIONS: WD 40.64 X LG 311.15 X HT 160 MM; SUPPL P/N: CAO10-P; DRAWING NO: 2VAA005282 REV 0; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED | EA | 6 | | |
| 2.8 | 0621818 | MODULE: TYPE: MULTIPLE INTERFACE; POWER SOURCE: 20-33 VDC; SUPPL P/N: CS436-P; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; DIMENSIONS: WD 40.64 X LG 311.15 X HT 160 MILLIMETER | EA | 1 | | |
| 2.90 | 0621986 | MODULE, POWER SUPPLY: OUTPUT: 20-30 VDC; SUPPL P/N: 3500/15; TYPE: SINGLE PHASE; INPUT: 220 VOLT ALTERNATING CURRENT | EA | 2 | | |
| 2.1 | 0622171 | TRANSMITTER: TYPE: PROFIBUS PA; OUTPUT: 0-20 MA; SUPPLY: LOOP 24 VDC; APPLICATION: CONDUCTIVITY MEASUREMENT; SPECIFICATION: M-CM24; SUPPL P/N: 1KGZ049629; MATERIAL: POLYCARBONATE; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; RANGE: 10-20 MILLISECOND PER CENTIMETER | EA | 1 | | |
| 2.11 | 0622172 | TRANSMITTER: TYPE: PROFIBUS PA; OUTPUT: 0-20 MA; SUPPLY: LOOP 24 VDC; APPLICATION: PH/ORP MEASUREMENT; SPECIFICATION: M-CM24; SUPPL P/N: 1KGZ056562; ABB SOLE SOURCE IN PLACE EFFECTIVE 01/04/2016 TO 31/03/2022; KUSILE AGREEMENT DOCUMENT ATTACHED; RANGE: -2 TO 16 MEASURE OF ACIDITY | EA | 1 | | |
| 2.12 | 0639155 | RESISTOR: RESISTANCE: 0.25 K OHM; RATING: 0.5 A; CONNECTION: CLIP ON; MATERIAL: STL; TOLERANCE: +/-5 PCT; TYPE: FIXED; CURRENT: 1.8 A; SUPPL P/N: 1K21F-RS63Y; REFERENCE NO: 26743167 | EA | 1 | | |
| 2.13 | 0641119 | INDICATOR: TYPE: ANALOG; SCALE: 1 TO 100 MA; RATING: 0 TO 24 VDC; MATERIAL: STAINLESS STEEL; POTENTIAL: 220 VAC; 12 VDC; CURRENT: 3 A; SUPPL P/N: 8730.20.2001. K6; RANGE: 0-1.1 MEGAPASCALS; DIMENSIONS: DIA 330 MILLIMETER | EA | 1 | | |
| 2.14 | 0641711 | MODULE: TYPE: VERSATILE O/P SWITCH; INPUT: 24 VAC; OUTPUT: 4-20 MA; POWER SOURCE: 24 VDC; APPLICATION: EXCITATION/CONTROL SYSTEM; STANDARD: IEC 61131-2; 60068-2-6; SUPPL P/N: VOS125; REFERENCE NO: ALSPAC8035; LOGIC OUTPUT SWITCH FOR 8 CHANNELS; DIMENSIONS: WD 89.5 X LG 185 MILLIMETER | EA | 1 | | |
| 2.15 | 0641715 | MODULE: TYPE: 2 CHANNEL DIGITAL INPUT; INPUT: 24 VDC; OUTPUT: 110 VDC; POWER SOURCE: 24 VDC; APPLICATION: AVR P320; STANDARD: IEC 60068-2-6; SUPPL P/N: 750427; MOUNT: 35 MM DIN RAIL; PROTECTION: IP20; OPERATING TEMP: 0-55 DEG C; DIMENSIONS: WD 12 X LG 100 X HT 64 MILLIMETER | EA | 2 | | |
| 2.16 | 0641718 | MODULE: TYPE: 4 CHANNEL DIGITAL OUTPUT; INPUT: 24 VDC; POWER SOURCE: 24 VDC; APPLICATION: AVR P320; STANDARD: IEC 60068-2-6; SUPPL P/N: 750504; MOUNT: 35 MM DIN RAIL; PROTECTION: IP20; OPERATING TEMP: 0-55 DEG C; DIMENSIONS: WD 12 X LG 100 X HT 64 MILLIMETER | EA | 2 | | |
| 2.17 | 0645075 | TRANSDUCER: SUPPL P/N: ADAM-8 | EA | 1 | | |
| 2.18 | 0645084 | TRANSDUCER: TYPE: MODBUS; INPUT: 0-20 MA; SUPPL P/N: 4017 | EA | 1 | | |
| 2.19 | 646203 | METER, FLOW: MATERIAL: STAINLESS STEEL; SUPPL P/N: 80F50—RD2SAAAAAAA8 | EA | 2 | | |
| 2.20 | 184401 | VALVE, GLOBE: VALVE SIZE: 25 MM; OPERATED: HANDWHEEL; CONNECTION: BW; TRIM: CRS13; SOFTGOODS: PACKING GRAFOIL; STEM DESIGN: OS/Y; STYLE: LOCKED; DESIGN RATING: 500 BAR; TEMPERATURE RATING: 600 DEG C; SUPPL P/N: VA500.25.13; SEMPELL; NOTE: ITEM MUST BE PROTECTIVE PACKED AND MARKED. | EA | 20 | | |
| 2.21 | 31567 | BEARING, BALL: TYPE: ANGULAR CONTACT; STYLE: OPEN; INSIDE DIAMETER: 65 MM; OUTSIDE DIAMETER: 140 MM; WIDTH: 34 MM; ROW: SINGLE; SUPPL P/N: 7313BGSTD; MODEL NO: 10-40; TYPE RGSY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | EA | 1 | | |
| 2.22 | 625383 | VALVE, BALL: VALVE SIZE: 80 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 42 DEG C; CONNECTION: FLANGE SANS 1123; BODY MATERIAL: A216—WCB; FACE TO FACE LENGTH: 203 MM; OPERATED: HAND; TRIM: BALL A182 F304; BONNET A216 GR WCB; STEM A276 GR 304; SOFTGOODS: BONNET GASKET GRAPHITE; PACKING/SEAT RING PTFE; TYPE: ISOLATING; DRAWING NO: 0.90/45680 REV 0; PN16 RAISED FACE; STANDARDS: FACE TO FACE: ASME B16.10; STEEL VALVES: ASME B16.34; STEEL BALL VALVES: ISO 14313. | EA | 1 | | |
| Total for item 2 - Resources Carried to Final Summary : | | | | | | |
| ITEM 1 | | FINAL SUMMARY PRELIMINARIES AND GENERAL | | | | |
| ITEM 2 | | SPARES | | | | |
| Final Summary Total (Excl VAT) | | | | | | |