

PROJECT : SUPPLY AND DELIVERY OF SPARES FOR REPLENISHMENT AT KUSILE POWER STATION (ONCE - OFF)

ITEM NO.	MATERIAL NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1		<b>ITEM 1</b> <b>PRELIMINARIES AND GENERAL</b>				
1.1		Delivery to Site (8 ton Truck)	Per Day	5.00		
		<b>Total Item 1 (Preliminaries and General) Carried to Final Summary</b>				
2		<b>ITEM 2</b> <b>SPARES</b>				
2.1	0646869	RELAY; SUPPL P/N: HAGG301141P0001	EA	1		
2.2	0645148	BEARING; SUPPL P/N: SNGS210ER40U12.1-W32-ATEX	EA	1		
2.3	0648407	TRANSFORMER, CURRENT: CLASS: X; SUPPL P/N: 463671301	EA	1		
2.4	0648403	TRANSFORMER, CURRENT: SHORT CIRCUIT CURRENT: 15 VA; CURRENT RATIO: 400/5 A; CLASS: 10P; SUPPL P/N: 87595-1	EA	1		
2.5	0241447	DEVICE: TYPE: GENERATOR 20 HZ; SUPPL P/N: 7XT3300-0CA00; SIEMENS	EA	1		
2.6	0582417	CONTACT, AUXILIARY: TYPE: FRONT BRAKE; CONTACT ARRANGEMENT: 1NC; CURRENT: 3,4,6 A; POTENTIAL: 230-400 V; MATERIAL: PLASTIC; CLASSIFICATION: IP20; CONNECTION: SCREW; SPECIFICATION: IEC 60947-5-1; MANUF P/N: M22-K01; REFERENCE NO: 216378; FRONT MOUNT; 6 CONTACT; TEMPERATURE -25 TO 70 DEG C; 4 AMP AT 400 VAC; 6 AMP AT 230 VAC; 3 AMP AT 24 VDC; RATED IMPULSE WITHSTAND VOLTAGE 6KV; INSULATION VOLTAGE 500V	EA	1		
2.7	0236811	UNIT, CONTROL: TYPE: TOUCH SCREEN; SUPPLY: 220 V; INPUT: 220 V; OUTPUT: 220 V; MOUNT: FLASH; SUPPL P/N: VMCI; MODEL NO: PPC-5190A-G41-E15/R1G-R10; REFERENCE NO: SA13305074; ONE KEY RECOVERY, CD/DVD ROM	EA	1		
2.8	0636756	UNIT, CONTROL: SPECIFICATION: VER A03-4.4; CU240P-2-HVAC; SUPPL P/N: 6SL3244-OBA30-1HA2; TYPE: ANOLOG/DIGITAL; OUTPUT: 20 MILLIAMPERE; SUPPLY: 24 VOLT ALTERNATING CURRENT; INPUT: 15 MILLIAMPERE	EA	1		
2.9	0147744	SWITCH, PROXIMITY: TYPE: TWO WIRE DC; SENSING RANGE: 40 MM; POTENTIAL: 5-60 VDC; ACTION: (2) SPST; CONTACT ARRANGEMENT: NO NC; SUPPL P/N: NJ15U1N; NBN40-U4-Z2; CURRENT: 20 MILLIAMPERE	EA	1		
2.10	0630876	RELAY, TIME DELAY: OPERATION: 120 S; CONTACT ARRANGEMENT: 4NO 4NC; ACTION: DPST; CONTACT RATING: 230 VAC 5 A; COIL VOLTAGE: 230 VAC; TERMINAL: 11 PIN; MOUNT: SOCKET; SPECIFICATION: ST-100	EA	1		
2.11	0251678	CONTACTOR: TYPE: MAIN; LINE VOLTAGE: 400 V; COIL VOLTAGE: 230 VAC; CURRENT: 150 A; POLE: 3; CONTACT ARRANGEMENT: 2NO 2NC; SUPPL P/N: 3RT1055-6AP36; SIZE S6; RAIL CONNECTIONS DRIVE	EA	5		
2.12	0630312	BLOCK, TERMINAL: POTENTIAL: 400/300/275 V; CURRENT: 32-41-28-10 A; WIRE SIZE: 4 MM2; CIRCUIT: 2; WIDTH: 6.1 MM; LENGTH: WD 29 X HT 27 MM; SPECIFICATION: AKZ 4; SUPPL P/N: AKZ 4; REFERENCE NO: AKZ 4; AWG 12 TO 24. NUMBER O294360000 RATED VOLTAGE 400V, VOLTAGE SIZE C(CSA) 300V, MAXIMUM VOLTAGE (ATEX) 257V, RATED IMPULSE WITHSTAND VOLTAGE 6KV	EA	1		
2.13	0609278	DEVICE: TYPE: INTELLIGENT ELECTRONIC; APPLICATION: GENERATOR PROTECTION SYSTEM; OEM P/N: P122BOOW112BF; PHASE: 3; EARTH CURRENT INPUT: 0.01 TO 80HM; AUX VOLTAGE: 48-250VDC/48-240VAC; DIGITAL INPUT VOLTAGE: 220VDC 30PCT/+20PCT; COMMS INTERFACE: MODBUS; PLATFORM: SE LOOK AND FEEL PHASE 2	EA	2		
2.14	0635372	SWITCH, DISCONNECT: TYPE: PROTECTION; POTENTIAL: 230 VAC; CURRENT: 6.3 A; ACTION: 3PST; MOUNT: DIN RAIL; APPLICATION: GENERATOR CIRCUIT BREAKER; SPECIFICATION: IEC 947-2; SUPPL P/N: 140MN-0630-AN00282; ULTIMATE SHORT-CIRCUIT BREAKING CAPACITY I <sub>CU</sub> -100KA; RATED SERVICE SHORT-CIRCUIT BREAKING CAPACITY: 100KA; THERMAL RELEASE ADJUSTMENT RANGE: 0.4-0.6A; PHASE: 3; RATED POWER: 0.06/0.09KW	EA	1		
2.15	0630750	RELAY, OVERLOAD: TRIP RANGE: 0.2-27 A; TYPE: LOAD PROTECTION; CONTACT ARRANGEMENT: 1NO 1NC; RESET: MANUAL; CURRENT: 16 A; TERMINAL: SCREW; MOUNT: CLIP ON; ENCLOSURE RATING: IP20; APPLICATION: TRF MARSHALLING KIOSK UNIT; OPERATING TEMP RANGE: -20 TO 60 DEG C; SPECIFICATION: IEC EN 60947-4-1; EN 60947-5-1; SUPPL P/N: 193-ED1DB; COMPATIBLE WITH 100-C09 TO 100-C85 CONTACTORS; DIMENSIONS: WD 45 X LG 146.6 X DP 85.2 MM; OVERLOAD SOLID STATE; RELATED VOLTAGE: 690VAC	EA	5		
2.16	0638887	SWITCH, DISCONNECT: TYPE: ADJUSTABLE MOTOR PROTECTION; POTENTIAL: 400 VAC; CURRENT: 1.6-2.5 A; ACTION: 3 PHASE POWER CIRCUIT; OPERATED: MANUAL; MOUNT: DIN RAIL; DIMENSIONS: WD 54 X HT 87.5 X DP 75.5 MM; APPLICATION: MANUAL MOTOR STARTER; SPECIFICATION: IEC EN 60947-1; SUPPL P/N: MS325-2.5- HKF11; REFERENCE NO: 1SAM150005R0007; TYPE: MS325-2.5; 1NO 1NC AUX CONTACT	EA	3		
2.17	0638875	EARTH LEAKAGE: TYPE: CIRCUIT BREAKER; CURRENT: 63 A; POTENTIAL: 400 VAC; POLE: 3; LEAKAGE CURRENT: 50 MA; INTERRUPT CAPACITY: 6 KA; SUPPL P/N: 5SY6363-7	EA	2		
2.18	0583320	CONTACT: TYPE: SIGNAL CONTACT /SWITCH; POTENTIAL: 230 V; CURRENT: 6 A; APPLICATION: AUXILIARY CURRENT SWITCH; MANUF P/N: 5SW3000	EA	1		
2.19	0580260	CONVERTER: TYPE: ANALOG SIGNAL; INPUT: 4-20 MA; OUTPUT: 4-20 MA; APPLICATION: DIESEL GENERATOR; RATING: 24 VDC; MANUF P/N: 1SVR011718R2500; 3 WAY ELECTRICAL ISOLATION	EA	1		
2.20	0575266	CONTACTOR: LINE VOLTAGE: 440 V; COIL VOLTAGE: 230 V; CURRENT: 15.5 A; POLE: 3; ENCLOSURE RATING: IP20; MAXIMUM CURRENT RATING: 40 A AT 40 DEG C; MANUF P/N: 3RT1025-1AP00; SCREW CONNECTION; SIZE 00	EA	1		
2.21	0580255	RELAY: TYPE: THERMAL OVERLOAD; COIL VOLTAGE: 690 VAC; CONTACT ARRANGEMENT: 1NO 1NC; CONTACT RATING: 1 A; ACTION: 3PDT; TERMINAL: SCREW; MOUNT: HOOK IN; ENCLOSURE RATING: IP20; MANUF P/N: T7DU1.0	EA	1		
2.22	0576148	RELAY, CONTROL: CONTACT RATING: 250 VAC 7 A; CONTACT ARRANGEMENT: 1NO 1NC; COIL VOLTAGE: 230 VAC; ACTION: 4PDT; MOUNT: PLUG IN; TERMINAL: 14 PIN PLUG IN; ENCLOSURE RATING: IP65; TYPE: GENERAL PURPOSE; MANUF P/N: 55.34.8.230.0040; 4 POLE; 58 SERIES ONLY WITH 94 SERIES SOCKET; DIMENSIONS: WD 27.7 X DEPTH 20.7 X HT 37.2 MM; OPERATING POWER: 1.5 VA; OPERATING TEMPERATURE: -40 TO 85 DEG C	EA	2		
2.23	0638876	RELAY, CONTROL: CONTACT RATING: 250 VAC 7 A; CONTACT ARRANGEMENT: 1NO 1NC; COIL VOLTAGE: 230 VAC; ACTION: 4PDT; MOUNT: PLUG IN; TERMINAL: 14 PIN PLUG IN; ENCLOSURE RATING: IP65; TYPE: GENERAL PURPOSE; MANUF P/N: 55.34.8.230.0040; 4 POLE; 58 SERIES ONLY WITH 94 SERIES SOCKET; DIMENSIONS: WD 27.7 X DEPTH 20.7 X HT 37.2 MM; OPERATING POWER: 1.5 VA; OPERATING TEMPERATURE: -40 TO 85 DEG C	EA	1		
2.24	0655085	LIGHT, INDICATING: TYPE: PILOT; POTENTIAL: 220 VDC; POWER: 5 W; COLOR: WHITE/CLEAR; SPECIFICATION: IP65; SUPPL P/N: PL 22C HL W 220V	EA	1		
2.25	0638878	EARTH LEAKAGE: TYPE: CIRCUIT BREAKER; CURRENT: 10 A; POTENTIAL: 230 VAC; POLE: 1; LEAKAGE CURRENT: 50 MA; INTERRUPT CAPACITY: 6 KA; SUPPL P/N: 5SY6110-7	EA	1		
2.26	0109058	BUCKLE: TYPE: STRAP; DIMENSIONS: WD 30 X LG 42 X THK 1.5 MM; MATERIAL: SS GR 304; REFERENCE NO: 5304 B19; SUPPL P/N: 5304 B19; HEAVY DUTY, CODE 1013, WIDTH 19MM, 100 PER BOX/1.36KG	EA	2		
2.27	0638877	EARTH LEAKAGE: TYPE: CIRCUIT BREAKER; CURRENT: 4 A; POTENTIAL: 230 VAC; POLE: 1; LEAKAGE CURRENT: 50 MA; INTERRUPT CAPACITY: 10 KA; SUPPL P/N: 5SY5104-7	EA	1		
2.28	0136370	GLAND, CABLE: SIZE: NO 00; MATERIAL: BRS NICKEL PLTD; REFERENCE NO: CCG A2; 053500; CABTYRE; MALE CONNECTION; 20MM; TYPE: COMPRESSION; CONNECTION: COMPRESSION	EA	10		
2.29	0035117	ELECTRODE, WELDING: SIZE: 3.15 MM; AWS CLASS: A5.1-91; E6013; MATERIAL: STEEL; CONTAINER: BOX 5 KG; MANUF P/N: W075-003; TEST CERTIFICATE TO BE SUPPLIED WITH EVERY CONSIGNMENT, DELIVERY WILL NOT BE ACCEPTED IF HAZARDOUS CHEMICAL DATA SHEET IS NOT SUPPLIED WITH EVERY DELIVERY	KG	4		
2.30	0125802	CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 380/400 VAC; COIL VOLTAGE: 220 VAC; CURRENT: 9 A; POLE: 4; CONTACT ARRANGEMENT: 2NO 2NC; SUPPL P/N: 3RT1016-1AP01; SIEMENS; COMPLETE WITH AUXILIARY CONTACT BLOCK REFERENCE NUMBER 3RH1911-1FA22; SUPPLIER NOTE: THE ITEM MUST BE PACKED TOGETHER IN A SEALED PLASTIC BAG; ENCLOSURE: GENERAL PURPOSE; OLD S P/N 3TF4022-0AM0	EA	1		

2.31	0197975	SHEET, GASKET: THICKNESS: 3 MM; LENGTH: 1.5 M; WIDTH: 1.5 M; MATERIAL: GRAPHITE; REFERENCE NO: V30011Z3IP; TENDER RETURNABLES: GASKET SPECIFICATION SHEET; ASME GASKET FACTORS: Ms2.5, Ys2000 PSI	EA	1
2.32	0211975	SHEET, GASKET: THICKNESS: 3 MM; LENGTH: 2 M; WIDTH: 1.5 M; MATERIAL: GLASS FIBER/NBR; REFERENCE NO: C4430; KLINGERSIL: COLOUR ONE SIDE GREEN ONE SIDE WHITE; MAX TEMPERATURE 250 DEG C; MAX PRESSURE: 45 BAR; CLASSIFICATION ACC. TO BS 7531:2006: GRADE AX; ASME GASKET FACTORS: Ms1.6, Ys20 MPA; TENDER RETURNABLES: GASKET SPECIFICATION SHEET	EA	8
2.33	0256063	RELAY, SOLID STATE: TYPE: DIGITAL MONITORING; COIL VOLTAGE: 160-690 VAC; CONTACT ARRANGEMENT: 2NC; MOUNT: SOCKET; SUPPL P/N: 3UG4615-1CR20; TERMINAL SCREW, FOR UNDERVOLTAGE, FOR 30 LINE VOLTAGE REVERSIBLE PHASE SEQUENCE FAILURE	EA	2
2.34	0502183	RELAY, TYPE: PROTECTION; COIL VOLTAGE: 220 VDC; CONTACT ARRANGEMENT: 24NO 24NC; CONTACT RATING: 220 VDC 10 A; ACTION: 14P51T; TERMINAL: 156 SCREW; MOUNT: FLUSH; ENCLOSURE RATING: IP20; MANUF P/N: P345 316 C6M0330K; 3I AND 3V	EA	1
2.35	0580196	BLOCK, TERMINAL: POTENTIAL: 300 V; CURRENT: 20 A; CIRCUIT: STAGE1,2,3; WIDTH: 240 MM; LENGTH: 177 MM; TERMINAL QUANTITY: 1-14; MANUF P/N: S-P99.1-8T/BLOCK; IP52 PROTECTION	EA	1
2.36	0626807	RELAY, CONTROL: CONTACT RATING: 230 VAC 2 A 400 VA; CONTACT ARRANGEMENT: 3NO; COIL VOLTAGE: 220 VAC; ACTION: 3PST; MOUNT: BRACKET; TERMINAL: SCREW; ENCLOSURE RATING: IP65; SPECIFICATION: EN 60529; TYPE: BUCHHOLZ; SUPPL P/N: ABEE30MA12; DRAWING NO: 203-10567 REV 0; REFERENCE NO: SP0848	EA	1
2.37	0634677	SOCKET, ELECTRICAL: TYPE: RELAY; CONTACT: 11 PIN; POTENTIAL: 250 VAC; CONFIGURATION: DUAL IN LINE PINS; CONNECTION: SCREW; CLASSIFICATION: IP20; CURRENT: 16 A; SUPPL P/N: 92.03SMA-AN00414; MOUNT: 35 MM DIN RAIL	EA	1
2.38	0639330	RELAY, TYPE: LINE DIFFERENTIAL; COIL VOLTAGE: 250 VDC; CONTACT ARRANGEMENT: 6NO 4NC; CONTACT RATING: 100-240 VAC; 110-250 VDC; ACTION: (4) SPST; (3) DPST; (3) SPDT; TERMINAL: PUSH ON; MOUNT: FLUSH; ENCLOSURE RATING: IP20; SPECIFICATION: IEC 61850; SUPPL P/N: RED670-1.1A31X00C04B01X0CFKBA6X0DAAAAXD; 12 BINARY INPUTS AND 10 BINARY OUTPUTS; 3/4U X 19 IN CASE; SINGLE BREAKER; 3 PHASE TRIPPING; RESIDUAL OVERCURRENT PROTECTION; LINE DISTANCE PROTECTION; POWER SUPPLY: 100-240 VAC AND 48-250 VDC; CURRENT INPUTS 4I(0 1/5A); SERIAL COMMUNICATION: GLASS FIBRE (ST CONNECTOR) ETHERNET COMMUNICATION: ETHERNET 100BASE TX (RJ-45) AND LINE DIFFERENTIAL; MULTI MODE FIBRE (LC) DIMENSIONS: WD 164 X HT 160 X DP 210 MM; VERSION 1.1	EA	1
2.39	0636074	RELAY, TYPE: CPR2-MT; COIL VOLTAGE: 250 VDC; CONTACT ARRANGEMENT: 1NO; CONTACT RATING: 400 VAC; ACTION: SPDT; TERMINAL: SCREW; MOUNT: SCREW M10; ENCLOSURE RATING: IP65	EA	1
2.40	0638869	CONTACT, AUXILIARY: TYPE: MAIN; CONTACT ARRANGEMENT: 2NO 2NC; CURRENT: 10 A; POTENTIAL: 24 VAC; MATERIAL: PVC; ATTACHMENT METHOD: SNAP ON; CONNECTION: SCREW; SUPPL P/N: 3RH1911-1FA22	EA	1
2.41	0641733	SWITCH, NETWORK: TYPE: INDUSTRIAL ETHERNET; PORT TYPE: 10/100 MB/S; SPEED: 120 Mb/s; TEMPERATURE RANGE: 0-60 DEG C; POTENTIAL: 24 VDC; PORT QUANTITY: 5; CURRENT: 120 MA; DIMENSIONS: WD 25 X HT 114 X DP 79 MM; SPECIFICATION: IEC 61131-2; SUPPL P/N: 5TX; MOUNTING: DIN RAIL 35 MM; LED POWER	EA	1
2.42	0643400	VALVE, BALL: VALVE SIZE: DN13; DESIGN RATING: PN500; TEMPERATURE RATING: 220 DEG C; CONNECTION: G1/2 IN-FBSP; BODY MATERIAL: STAINLESS STEEL; FACE TO FACE LENGTH: 85 MM; OPERATED: WRENCH; TYPE: GAS COOLING SYSTEM; OEM P/N: BKH- DN13-G1/2-44HA; DRAWING NO: 10MKG62AA101KA01; 10MKG62AA503; 10MKG62AA503; 10MKG62AA101- KA01	EA	1
2.43	0631208	BASE, RELAY: TYPE: CURRENT; WIDTH: 70 MM; HEIGHT: 90 MM; MATERIAL: PLASTIC; POTENTIAL: 24-240 VAC/DC; CURRENT: 0.1-15 A; POWER: 3.2 VA; LENGTH: 100 MM; SPECIFICATION: IEC EN 60 255-1; SUPPL P/N: SP9271.12-AN01483; HOUSING: IP40 IEC/EN 60 529; TERMINAL: IP20 IEC/EN 60 529	EA	1
2.44	0626727	RELAY, TYPE: CONTROL; COIL VOLTAGE: 24 VAC; CONTACT ARRANGEMENT: (2) 2NO 2NC; CONTACT RATING: 220 VAC 8 A; ACTION: DPDT; TERMINAL: SCREW; MOUNT: P35MM RAIL; ENCLOSURE RATING: IP20; CONTACT MATERIAL: AGNI; SPECIFICATION: EN 60715; SUPPL P/N: 59.32.9.220.0060V; OPERATE/RELEASE TIME: 9/3 (AC); -9/15 (DC); SERIES: 59.32	EA	1
2.45	0643449	VALVE, RELIEF: VALVE SIZE: 13 MM; SET PRESSURE: 200 BAR; TEMPERATURE RATING: -45 TO 180 DEG C; CONNECTION: INLET: SLIP ON FLANGE; OUTLET: WELD NECK FLANGE; BODY MATERIAL: STEEL; TRIM: STEEL; OPERATED: SPRING LOADED; APPLICATION: GAS COOLING SYSTEM; OEM P/N: 4622.3782; DRAWING NO: MKG63AA611; MODEL NO: 462	EA	1
2.46	0643442	ACTUATOR: RATING: 0.04-0.34 KW AT 400V/3PH; APPLICATION: U1 CO2 EXPANSION DEVICE ISOLATING VALVE MOTOR; OEM P/N: DPMC59-L/D 8; DRAWING NO: 10MKG62AA101-M01; 10MKG62AA101- MS01; 10MKG62AA101-MG01	EA	1
2.47	0643440	VALVE, SOLENOID: PIPE SIZE: DN15; STYLE: 2/2 WAY; POTENTIAL: 220 VDC; DESIGN RATING: 0-25 BAR; CONNECTION: DN14 FLANGE; BODY MATERIAL: STAINLESS STEEL; OPERATED: SOLENOID; ENCLOSURE RATING: IP65; MEDIUM: FLUID; APPLICATION: GAS COOLING SYSTEM; OEM P/N: 8499698.8441.22000; DRAWING NO: 10MKG42AA204; SERIES: 85540	EA	1
2.48	0581509	FAN: TYPE: H2 CIRCULATION; DIMENSIONS: WD 700 X LG 1200 X HT 840 MM; VOLUME RATING: 20 M3/HR; DRIVER: ELECTRIC MOTOR; OEM P/N: ZVR63/380; DRAWING NO: 10MKG54AN001KN01	EA	1
2.49	0580249	MODULE: TYPE: ANALOGUE EXPANSION; INPUT: 8 ANALOGUE; MANUF P/N: IS-AIN8	EA	1
2.50	0645101	ELEMENT, HEATER: POTENTIAL: 230 VAC; POWER: 60 W; SUPPL P/N: 60W-203	EA	1
2.51	0644817	RESISTOR: RESISTANCE: 26.8 OHM; RATING: 17.5 KV; TOLERANCE: 0.5 PCT; TYPE: NEUTRAL EARTHING; CURRENT: 318 A; SUPPL P/N: SO102380-12	EA	1
2.52	0645109	TRANSFORMER, CURRENT: SUPPL P/N: WTI-1482/1.5.3-10VA	EA	1
2.53	0645108	TRANSFORMER, CURRENT: SUPPL P/N: 1600/1-5P60VA	EA	1
2.54	0645107	TRANSFORMER, CURRENT: SUPPL P/N: 1600/1-PX60VA	EA	1
2.55	0575625	BUSHING, ELECTRICAL CONDUCTOR: TYPE: HV; POTENTIAL: 420 KV; CURRENT: 1933 A; LENGTH: 6.341 M; DIAMETER: 680 MM; SPECIFICATION: IEC 60137; MANUF P/N: RTKF420-1675	EA	1
2.56	0646256	BUSHING: TYPE: LINE; CURRENT: 3.15 KA; BASIC INSULATION LEVEL: 750 KV; CURRENT TRANSFORMER EXTENSION DIAMETER: 125 MM; CURRENT TRANSFORMER EXTENSION: 125 MM; OIL EXTENSION: 1090 MM; FLANGE DIAMETER: 460 MM; MOUNTING HOLES: 8; PITCH CIRCLE DIAMETER: 120 MM; STEM DIAMETER: 460 MM; INSIDE DIAMETER: 125 MM; LENGTH: 730 MM; MATERIAL: PORCELAIN; DRAWING NO: 0.90/54496 REV 0; CREEPAGE DISTANCE: 690 MM; BENDING STRENGTH: 3000 N; IMPULSE VOLTAGE: 200 KVCR; VOLTAGE: 36.2 KILOVOLT	EA	1
2.57	0635422	ANALYZER: TYPE: GAS; RANGE: 0-100 PCT; POWER SOURCE: 100- 240 VAC; SUPPL P/N: EL3060; MODEL NO: 0240725737/1030; 50-60 HZ, 187 VA MAXIMUM POWER CONSUMPTION,100 L/H MAXIMUM FLOW RATE. 4-20 MA OUTPUTSIGNAL; MAGNOS	EA	1
2.58	0575625	BUSHING, ELECTRICAL CONDUCTOR: TYPE: HV; POTENTIAL: 420 KV; CURRENT: 1933 A; LENGTH: 6.341 M; DIAMETER: 680 MM; SPECIFICATION: IEC 60137; MANUF P/N: RTKF420-1675	EA	1
2.59	0645149	BEARING: SUPPL P/N: CNH-B80-250/01G-W20	EA	1
2.60	0645147	BEARING: SUPPL P/N: SNGS120FR42U12.1-W32-ATEX	EA	1
2.61	0634676	SOCKET, ELECTRICAL: TYPE: RELAY; CONTACT: 12 PIN; POTENTIAL: 250 VAC; CONFIGURATION: DUAL IN LINE PINS; CONNECTION: SCREW; CLASSIFICATION: IP20; CURRENT: 10 A; SPECIFICATION: EN 60715; SUPPL P/N: 90.03-AN02597; MOUNT: PANEL OR 35MM DIN RAIL; FOR USE WITH 60 SERIES RELAYS	EA	1
2.62	0636072	MODULE: TYPE: PROTECTION RELAY; INPUT: 1-5 A; POWER SOURCE: 19-110 VDC 0.5 W +/- 30 PCT; APPLICATION: GENERATOR PROTECTION PANEL; STANDARD: DIN EN61010; IEC 255-5; SUPPL P/N: P63484891144 308-408-621-462-947; DIMENSIONS: SQ 184.5 X HT 481.6 MILLIMETER	EA	1
2.63	0645110	THERMOMETER: TYPE: COOLER INLET/OUTLET; SPECIFICATION: PT100; SUPPL P/N: B2000270	EA	1
2.64	0644212	ENCLOSURE: DIMENSIONS: THK 16 MM; MATERIAL: AL 1050; SUPPL P/N: C1000G154; PER BOX 160 SHEETS 160 KG EA	EA	1
2.65	0581688	KIT: TYPE: SEALING; APPLICATION: H2 COOLER; COMPRISING: (5) GASKET GME0096779P0001; (2) GASKET HTGG408760P0019; (5) GASKET GME0096779P0002; MANUF P/N: 100056	EA	1
2.66	0643428	REGULATOR, PRESSURE: TYPE: VACUUM; SUPPL P/N: MR16	EA	1
2.67	0635422	ANALYZER: TYPE: GAS; RANGE: 0-100 PCT; POWER SOURCE: 100- 240 VAC; SUPPL P/N: EL3060; MODEL NO: 0240725737/1030; 50-60 HZ, 187 VA MAXIMUM POWER CONSUMPTION,100 L/H MAXIMUM FLOW RATE. 4-20 MA OUTPUTSIGNAL; MAGNOS	EA	1
2.68	0648313	SWITCH: TYPE: TAP CHANGE ISOLATOR; SPECIFICATION: RS02190; SUPPL P/N: 5RP145-TB	EA	1
2.69	0641727	DRIVE, VARIABLE SPEED ELECTRICAL: TYPE: ASYNCHRONOUS MOTOR; OUTPUT RATING: 3 KW; POTENTIAL: 380-480 VAC; PHASE: 3; INPUT: 380 VAC; SPEED: 0.5-200 HZ; CURRENT: 7.2 A; ENCLOSURE: IP20; SUPPL P/N: ATV-21HU30N4	EA	1
2.70	0608674	CONVERTER, SIGNAL: TYPE: 2 WIRE TO 4 WIRE; INPUT: 4-20 MA; OUTPUT: 0-20 MA; POWER SOURCE: 10-30 VDC; APPLICATION: SURGE PROTECTION/AUTO DATA FLOW CONTROL; MOUNT: RACK; CLASSIFICATION: IP65; SUPPL P/N: ADAM4520; ISOLATOR RS232 TO RS485 (2 WIRE) RS422 (4 WIRE)	EA	1

2.71	0626295	CONTACTOR, TYPE: AUXILIARY; LINE VOLTAGE: 230 V; COIL VOLTAGE: 220 V; CURRENT: 10 A; POLE: 3; ENCLOSURE RATING: IP20; CONTACT ARRANGEMENT: 5NO 3NC; SUPPL P/N: 3RH1353	EA	1
2.72	0585000	FAN, TYPE: HP CENTRIFUGAL; DIMENSIONS: DIA 874 X HT 937 MM; VOLUME RATING: 450 M3/HR; OEM P/N: HVM100-63 GR270; DRAWING NO: MKG75AN001KP01; SUCTION FLANGE-NW112; FOR GAS REGENERATION	EA	1
2.73	0226177	RELAY, TYPE: AUXILIARY; COIL VOLTAGE: 220 VDC; CONTACT ARRANGEMENT: 6NO; CONTACT RATING: 300 VAC 5 A 1250 VA; MOUNT: PANEL; CONTACT MATERIAL: CU SILVER PLTD; SUPPL P/N: MVA1111NA1151A	EA	2
2.74	0631214	CONVERTER, TYPE: DC TO DC; INPUT: 24 VDC; OUTPUT: 85-264 VAC; 120-370 VDC; APPLICATION: GENERATOR CIRCUIT BREAKER CONTROL CUBICLE; SPECIFICATION: UL1012; TVV EN 60950-1; RATING: 26.4 W 1.1 A; SUPPL P/N: S25-24/10745-AN01662; INPUT RATED CURRENT: 1.1 A; RATED POWER: 26.4 W; RIPPLE AND NOISE: 100 MVP-P; VOLTAGE ADJUSTABLE RANGE: V21.6-26.4 V; VOLTAGE TOLERANCE: 10 PCT; LINE REGULATIONS: 0.5 PCT; LOAD REGULATIONS: 0.5 PCT; SET UP RISE TIME: 300 MS/230 VAC 800 MS; 50 MS/115 VAC AT FULL LOAD; HOLD TIME: 90 MS/230 VAC 12 MS/115 VAC AT FULL LOAD; OUTPUT FREQUENCY RANGE: 47-63 HZ; EFFICIENCY: 80 PCT 115 VAC; AC CURRENT: 0.6 A/115 VAC; 0.35 A/230 VAC; PROTECTION: OVERLOAD 105-150 PCT; OVERVOLTAGE: 27.6-32.4 V	EA	1
2.75	0631209	RELAY, TYPE: POWER; COIL VOLTAGE: 220 VDC; CONTACT ARRANGEMENT: 3NO (3PST-NO) +/-3MM; CONTACT RATING: 16 A; ACTION: 3PST; TERMINAL: 5 PIN; MOUNT: PLUG IN; ENCLOSURE RATING: RT I; CONTACT MATERIAL: AGCCO; SPECIFICATION: EN 60335-1; SUPPL P/N: 62.33.9.220.0300-AN02103; SERIES: 62; RATED VOLTAGE: 230 V; RATED LOAD AT C1: 4000 VA; RATED LOAD AT C15: 750 VA; BREAKING CAPACITY DC1: 16/1.1/0.7 A MINIMUM SWITCH LOAD MW(V/MA); 2 AND 3 POLE NORMALLY OPEN CONTACT	EA	1
2.76	0581480	TERMINAL, TYPE: SPRING LOADED SCREW CLAMP TERMINAL; RATING: 1 KV 32 KA; SPECIFICATION: IEC60947-7-1; MATERIAL: POLYAMIDE 6/6; SUPPL P/N: KULT 6; 0.5 MM2 - 6 MM2 STRANDED CONDUCTOR	EA	2
2.77	0634487	PUMP, TYPE: SCREW; SIZE: 65 X 50 MM; CAPACITY: 55.9-57.6 L/MIN; SPEED: 1450 RPM; RATING: 4 BAR; DRIVER: MOTOR; APPLICATION: H2 SEAL OIL; SUPPL P/N: SNGS80ER36U12.1-W32/DS35A	EA	1
2.78	0638450	CLUTCH, ELECTRICAL, TYPE: POWER; DIMENSIONS: DIA 10 MM; MATERIAL: STL; CURRENT: 1 A; POWER: 37.7 KW; POTENTIAL: 110 VDC; SUPPL P/N: HATM302903P0002	EA	1
2.79	0568194	MOTOR, ELECTRIC, POWER: 30 KW; SPEED: 1465 RPM; FRAME: 200L; CURRENT: 32.5 A; POTENTIAL: 690 VAC; MOUNTING: FOOT; ENCLOSURE RATING: IP65; SHAFT SIZE: 55 MM; CONNECTION LOCATION: LHS FROM NDE; CLASSIFICATION: ZONE 21; POLES: 4; INSULATION CLASS: H; PHASE: 3; CASING MATERIAL: CAST IRON; TEMPERATURE CLASS: 155 DEG F; DIRECTION: BI-DIRECTIONAL; SPECIFICATION: 1LG4 207-4AA60-Z; TYPE: SQUIRREL CAGE INDUCTION; MANUF P/N: 33207437320310; ALL TENDERS/QUOTES TO BE ACCOMPANIED BY APPLICABLE DATA SHEETS AND/OR DRAWINGS OF ITEM(S) TENDERED ON; TENDERS WITHOUT DATA SHEETS AND/OR DRAWINGS WILL BE REJECTED; EXT IIIC T135 DEG C DR: 1A CFCERTIFICATE TO BE SUPPLIED WITH MOTOR; MOTOR TO BE FITTED WITH COOLING FAN UNIT	EA	1
2.80	0585006	PUMP, TYPE: SCREW; SIZE: 65 X 50 MM; CAPACITY: 120 L/MIN; SPEED: 950 RPM; RATING: 10.5 BAR; DRIVER: ELECTRIC MOTOR; CASING MATERIAL: EN-GJS-400-15; APPLICATION: SEAL OIL; MANUF P/N: SNGS120ER42U12.1-W32/DS41A	EA	1
2.81	0585005	PUMP, TYPE: SCREW; SIZE: 80 X 65 MM; CAPACITY: 210 L/MIN; SPEED: 2900 RPM; RATING: 13.8 BAR; DRIVER: ELECTRIC MOTOR; CASING MATERIAL: EN-GJS-400-15; APPLICATION: SEAL OIL; MANUF P/N: SNGS210ER40U12.1-W32/DS38A	EA	1
2.82	0643451	VALVE, RELIEF, SUPPL P/N: DS41A09-16BAR-W222	EA	1
2.83	0643450	VALVE, RELIEF, VALVE SIZE: 38 MM; SET PRESSURE: 18 BAR; GRADE: W222; STYLE: BUILD ON BACK TO SUCTION; PRESSURE RANGE: 03-18 BAR; SUPPL P/N: DS38A03-18BAR-W222	EA	1
2.84	0643447	COUPLING, SUPPL P/N: KTR24	EA	1
2.85	0643443	PUMP, CENTRIFUGAL, SIZE: DN32; STAGE: SINGLE; DRIVER: ELECTRIC MOTOR; OEM P/N: NIT32-160/01USA-W4-19/200; GAS COOLING SYSTEM	EA	1
2.86	0643441	VALVE, SOLENOID, PIPE SIZE: DN25; STYLE: 2/2 WAY; POTENTIAL: 220 VDC; DESIGN RATING: 0-25 BAR; CONNECTION: FLANGE; BODY MATERIAL: STAINLESS STEEL; OPERATED: SOLENOID; ENCLOSURE RATING: IP65; MEDIUM: FLUID; APPLICATION: GAS COOLING SYSTEM; OEM P/N: 8499697.8441.22000; DRAWING NO: MKG63AA201; SERIES: 85540	EA	1
2.87	0643439	VALVE, RELIEF, SUPPL P/N: DS35A02-09BAR-W222	EA	1
2.88	0645662	POWER SUPPLY, OUTPUT VOLTAGE: 24 VDC; OUTPUT CURRENT: 20 A; SUPPL P/N: SDR-480-24	EA	1
2.89	0644812	BREAKER, CIRCUIT: SWITCHGEAR DESIGN: MCB; POTENTIAL: 230 VAC; CURRENT: 0.5 A; SHORT TIME CURRENT: 6 KA; POLE: 1; CONTROL VOLTAGE: 230 V; POINT ON WAVE: 0-20 A; CREEPAGE: 10 MM; BASIC INSULATION LEVEL: 4; INSULATION MATERIAL: PVC; OPERATING CONTROL TYPE: AUTOMATIC; POLLUTION CLASS: 2; APPLICATION: SWITCHING IN THE GCB; CLASSIFICATION: IP20; SPECIFICATION: IEC EN 60947-2; TEMPERATURE RATING: -25 TO 55 DEG C; WIDTH: 17.5 MM; HEIGHT: 90 MM; MOUNT: DIN RAIL; INTERRUPT CAPACITY: 4 KA; SUPPL P/N: S281UC-Z0.5	EA	1
2.90	0585014	HEATER, IMMERSION, TYPE: SEAL OIL TANK WATER; DIMENSIONS: DIA 122 X LG 1830 MM; POTENTIAL: 400 V; POWER: 9 KW; CURRENT: 16 A; MANUF P/N: EXH 3F-9000-090-R; TEMP RANGE: 0-120 DEG CEL; ENCLOSURE RATING: IP66; FLANGE METHOD	EA	1
2.91	0645093	TRANSFORMER, CURRENT: POTENTIAL: 1000 V; APPARENT POWER: 60 VA; CURRENT RATIO: 2700/10 A; CLASS: X; SUPPL P/N: 463670502	EA	3
2.92	0645091	TRANSFORMER, CURRENT: POTENTIAL: 24/50/150 KV; CURRENT: 27000-10 A; SHORT CIRCUIT CURRENT: 180KA; 3S; CORE TYPE: IRON; CREEPAGE: 155 MM; APPARENT POWER: 50 VA; PHASE: 1; COOLING TYPE: NATURAL; WINDING MATERIAL: COPPER; SPECIFICATION: IEC 60044-1; CURRENT RATIO: 2700/10 A; TYPE: METERING AND MEASUREMENT; CLASS: 0.2; SUPPL P/N: ORG24; DRAWING NO: IT 2342X REV C; REFERENCE NO: 463671101; CT OUTER DIAMETER = 900MM, CT INNER DIAMETER = 560MM, CT HEIGHT = 110MM; TEST CERTIFICATE REQUIRED ON EVERY DELIVERY	EA	3
2.93	0645090	TRANSFORMER, CURRENT: POTENTIAL: 7.2/20/60 KV; CURRENT: 10-1 A; SHORT CIRCUIT CURRENT: 66.7A; 3S; CORE TYPE: IRON; CREEPAGE: 30 MM; APPARENT POWER: 20 VA; PHASE: 1; COOLING TYPE: NATURAL; SPECIFICATION: IEC 60044-1; CURRENT RATIO: 10/1 A; TYPE: INTERPOSING; CLASS: 0.2; DRAWING NO: IT 1150X REV L OPTIONS: 10012/20018/30049/OPF01 REV 0; REFERENCE NO: 463671501; GENERATOR PROTECTION TRANSFORMER; TEST CERTIFICATE REQUIRED ON EVERY DELIVERY	EA	3
2.94	0645089	TRANSFORMER, CURRENT: POTENTIAL: 7.2/20/60 KV; CURRENT: 10-1 A; SHORT CIRCUIT CURRENT: 66.7A; 3SEC; CORE TYPE: IRON; CREEPAGE: 30 MM; APPARENT POWER: 10 VA; PHASE: 1; COOLING TYPE: NATURAL; SPECIFICATION: IEC 60044-1; CURRENT RATIO: 10/1 A; TYPE: INTERPOSING; CLASS: 5P20; SUPPL P/N: 463670801; DRAWING NO: IT 1150X REV L OPTIONS. 10012/20018/30049/OPF01 REV 0; GENERATOR PROTECTION; RKF 24; TEST CERTIFICATE REQUIRED ON EVERY DELIVERY	EA	3
2.95	0645088	TRANSFORMER, CURRENT: POTENTIAL: 7.2/20/60 KV; CURRENT: 10-1 A; SHORT CIRCUIT CURRENT: 66.7A; 3SEC; CORE TYPE: IRON; CREEPAGE: 30 MM; APPARENT POWER: 22.5 VA; PHASE: 1; COOLING TYPE: NATURAL; SPECIFICATION: IEC 60044-1; CURRENT RATIO: 10/1 A; TYPE: INTERPOSING; CLASS: PX; SUPPL P/N: RKF 24; DRAWING NO: IT 1150X REV L OPTIONS. 10012/20018/30049/OPF01 REV 0; REFERENCE NO: 463671601; GENERATOR PROTECTION; TEST CERTIFICATE REQUIRED ON EVERY DELIVERY	EA	2
2.96	0580932	BREAKER, CIRCUIT: POTENTIAL: 400VAC; 440VDC; CURRENT: 10 A; POLE: 2; TYPE: AUX; INTERRUPT CAPACITY: 6 KA; MANUF P/N: OH52820164R0427; VDE0660; 5282UC-K10	EA	1
2.97	0630949	RECORDER, TYPE: SINGLE LINE, DUAL BUS MODULAR IED; POTENTIAL: 230 VAC; 24-220 VDC; RECORDING TYPE: ELECTRONICALLY/DIGITALLY; CURRENT: 1 A; SUPPL P/N: M8723Y9000151Y2X; 5000 EVENT STORAGE; TRANSDUCER INPUT OPTION THAT PROVIDES EIGHT INPUTS IN 0-1MA; 4-20MA OR 0-10V RANGES; ALL RATED TEMPERATURES AND 0-5A (ACS) RANGE IS COMPLIANT TO IEC 60687 AND ANSI C12-30-1998 REVENUE; CLASS ACCURACY OF 0.2PCT; 1 RS-232 AND 3 CONFIGURABLE RS-232/RS-485 PORTS SUPPORTING BAUD RATES FROM 9600 TO 38400	EA	1
2.98	0581657	MODULE, COMMUNICATION, TYPE: ETHERNET; INPUT: 5 VDC; APPLICATION: TURBINE PROTECTION SYSTEM; OEM P/N: IC695ETM001; DRAWING NO: WE4-101104-33 REV 0; PROCESSOR SPEED: 200MHZ; CONNECTORS - STATION MANAGER (RS-232) PORT: 9-PIN FEMALE D-CONNECTOR; 2X 10BASE T/100BASE TX PORTS: 8- PIN FEMALE SHIELDED RJ-45	EA	1
2.99	0630875	RELAY, CONTROL: CONTACT RATING: 250 VAC 5 A; CONTACT ARRANGEMENT: 2NO 2NC; COIL VOLTAGE: 250 VAC; ACTION: 2SPDT; MOUNT: BRACKET; TERMINAL: SCREW; CONTACT MATERIAL: SILVER; ENCLOSURE RATING: IP65; SPECIFICATION: IEC 60 529; TYPE: GENERAL PURPOSE; SUPPL P/N: NFG-Y2BC2N01; REFERENCE NO: GN0881; FLOAT ARM DRAWING: 5607; HNBR GASKET	EA	1
2.100	0634440	HOLDER, BRUSH, TYPE: SLIPRING; BRUSH SIZE: WD 32 X LG 80 X THK 20 MM; MATERIAL: CARBON STEEL; SPECIFICATION: ISO 9001; IEC; NEMA; DIN; TYPE: KL; BRUSH PRESSURE: 1.53N/CM2	EA	1
2.101	0608175	BOARD, PRINTED CIRCUIT, TYPE: CHARGE POWER RXPE; OEM P/N: SP300-1; CARD STATIC; APPLICATION: AUTO BOOST FAIL; SERIAL NUMBER 6V024100A12/112/0087-1-6; SUPPLIERS TO SUBMIT DATA SHEET WHEN RESPONDING TO RFQ	EA	1
2.102	0641735	SWITCH, NETWORK, TYPE: INDUSTRIAL FIREWALL; PORT TYPE: RJ45; SPEED: 100 Mb/s; TEMPERATURE RANGE: 0-55 DEG C; POTENTIAL: 24 VDC; CURRENT: 330 MA; DIMENSIONS: WD 47 X HT 131 X DP 111 MM; SUPPL P/N: FWTX/MM.SC; MOUNTING: DIN RAIL 35 MM; LED POWER; LINK STATUS; DATA RATE; ERROR; ACA TWISTED PAIR 0-100M; OPERATING VOLTAGE: 24VDC (-25 TO 30PCT); PROTECTION: IP20	EA	1
2.103	0641734	SWITCH, NETWORK, TYPE: INDUSTRIAL FIREWALL; PORT TYPE: RJ45; SPEED: 100 Mb/s; TEMPERATURE RANGE: 0-55 DEG C; POTENTIAL: 24 VDC; CURRENT: 335 MA; DIMENSIONS: WD 47 X HT 131 X DP 111 MM; SUPPL P/N: FWTX/TX; MOUNTING: DIN RAIL 35 MM; LED POWER; LINK STATUS; DATA RATE; ERROR; ACA TWISTED PAIR 0-100M; OPERATING VOLTAGE: 24VDC (-25 TO 30PCT); PROTECTION: IP20	EA	1
2.104	0239948	RELAY, TYPE: MULTIMODE; COIL VOLTAGE: 24 VDC; CONTACT ARRANGEMENT: 3NO 3NC; CONTACT RATING: 250 VAC 10 A; ACTION: 3 PDT; TERMINAL: 11 PIN; MOUNT: DIN RAIL; ENCLOSURE RATING: IP55; CONTACT MATERIAL: 90AG10NI; SUPPL P/N: MT321024; MODEL NO: 7-1393091-0; WITH TEST BUTTON	EA	1
2.105	0638454	CONTACT, AUXILIARY, TYPE: CONTROL; CONTACT ARRANGEMENT: 16NO 16NC; CURRENT: 16 A; POTENTIAL: 250 VAC; MATERIAL: AGNI; ATTACHMENT METHOD: CLIP-ON; SUPPL P/N: HMT301634P0001; HEC 8 EARTH SWITCH AND DISCONNECTOR	EA	1
2.106	0638455	SWITCH, PUSHBUTTON, HEAD STYLE: RECTANGLE; COLOR: RED; ELECTRICAL RATING: 220 VDC; ACTION: 25P; CONTACT ARRANGEMENT: 1NO 1NC; MOUNT: PLUG IN; CONTACT RATING: 220 VDC; HOUSING: PLASTIC; SUPPL P/N: GPFX730247P0001	EA	1

2.107	0630744	CONTACTOR: TYPE: CONTROL; LINE VOLTAGE: 400 VAC; COIL VOLTAGE: 230 VAC; CURRENT: 10 A; POLE: 4; ENCLOSURE RATING: IP20; CONTACT ARRANGEMENT: 2NO 2NC; SUPPL P/N: 700-CF220KF; ACTION: 4PST; MOUNTING STYLE: DIN RAIL; SURFACE MOUNT; TERMINAL TYPE: SCREW; OPERATING TEMPERATURE RANGE: -50 TO 60 DEG C; DIMENSIONS: WD 45 X LG 81 X DP 80.5 MM	EA	1	
2.108	0502173	RELAY: TYPE: SYNCHRONIZER; COIL VOLTAGE: 220 VDC; CONTACT ARRANGEMENT: 7NO; CONTACT RATING: 220 VDC; ACTION: 6P; TERMINAL: 38 SCREW; MOUNT: FLUSH; ENCLOSURE RATING: IP52; CONTACT MATERIAL: AGNI; MANUF P/N: 7VE6320-6EB92-ODAO; 6 X V; PROGRAMMABLE	EA	1	
2.109	0139471	SWITCH: TYPE: MICRO; POTENTIAL: 250 V; CURRENT: 16 A; CONTACT ARRANGEMENT: 1NO 1NC; MANUF P/N: BZ-2RW822-A2; SUPPL P/N: FM24NE23; DRAWING NO: 0911M02056 REV 1; SPECIFICATION: C.O.C; Q4:NSF:NC:0	EA	1	
2.110	0643381	BREAKER, CIRCUIT, LOW VOLTAGE: TYPE: ACB; APPLICATION: LV SWITCHGEAR; SUPPL P/N: 3WL1363-4AA37-4GA4-Z T40+R15+S07+S01+R21	EA	1	
2.111	0643546	CONTROLLER, ELECTRONIC: TYPE: DIGITAL TIME SWITCHES; SUPPL P/N: TR611TOP2	EA	1	
2.112	0635255	COOLER: TYPE: H2 SEAL OIL; DIMENSIONS: WD 320 X LG 920 X HT 545 MM; RATING: 15 KW; 16 BAR AT 60 DEG C; SERIES: M6-FG	EA	1	
2.113	0645092	TRANSFORMER, CURRENT: APPARENT POWER: 60 VA; CURRENT RATIO: 2700/10 A; CLASS: 5P20; SUPPL P/N: 463670402	EA	1	
2.114	0581685	COOLER: TYPE: DISTILLATE; DIMENSIONS: 1160 X 650 X 1885 MM; RATING: 1.6 MPA AT 90 DEG C; SERIES: M; MANUF P/N: M15-MFG	EA	1	
2.115	0643538	INDICATOR: TYPE: CLOGGING; OEM P/N: A0.BBW110VEZ; DRAWING NO: MKF39CP301; MKF39CP302; LIQUID COOLING SYSTEM	EA	1	
2.116	0226532	BREAKER, CIRCUIT: CURRENT: 6 A; POLE: 1; REFERENCE NO: 60663; C60A; (C.O.C; Q4:NSF:NC:1)	EA	1	
2.117	0624280	CONTACT, AUXILIARY: TYPE: BLOCK; CONTACT ARRANGEMENT: 1NO 1NC; CURRENT: 10 A; POTENTIAL: 500 VAC; 250 VDC; MATERIAL: PVC; CONNECTION: SCREW; SUPPL P/N: 704.910.4 AN03807	EA	1	
2.118	0626727	RELAY: TYPE: CONTROL; COIL VOLTAGE: 24 VAC; CONTACT ARRANGEMENT: (2) 2NO 2NC; CONTACT RATING: 220 VAC 8 A; ACTION: DPDT; TERMINAL: SCREW; MOUNT: P35MM RAIL; ENCLOSURE RATING: IP20; CONTACT MATERIAL: AGNI; SPECIFICATION: EN 60715; SUPPL P/N: 59.32.9.220.0060V; OPERATE/RELEASE TIME: 9/3 (AC); -9/15 (DC); SERIES: 59.32	EA	1	
2.119	0631214	CONVERTER: TYPE: DC TO DC; INPUT: 24 VDC; OUTPUT: 85-264 VAC; 120-370 VDC; APPLICATION: GENERATOR CIRCUIT BREAKER CONTROL CUBICLE; SPECIFICATION: UL1012; TUV EN 60950-1; RATING: 28.4 W 1.1 A; SUPPL P/N: S25-24/10745-AN01662; INPUT RATED CURRENT: 1.1 A; RATED POWER: 26.4 W; RIPPLE AND NOISE: 100 MVP-P; VOLTAGE ADJUSTIBLE RANGE: V21.6-26.4 V; VOLTAGE TOLERANCE: 10 PCT; LINE REGULATION: 0.5 PCT; LOAD REGULATIONS: 0.5 PCT; SET UP RISE TIME: 300 MS/230 VAC 800 MS; 50 MS/115 VAC AT FULL LOAD; HOLD TIME: 90 MS/230 VAC 12 MS/115 VAC AT FULL LOAD; OUTPUT FREQUENCY RANGE: 47-63 HZ; EFFICIENCY: 80 PCT 115 VAC; AC CURRENT: 0.6 A/115 VAC; 0.35 A/230 VAC; PROTECTION: OVERLOAD 105-150 PCT; OVERVOLTAGE: 27.6-32.4 V	EA	1	
2.120	0638872	CONTACT, AUXILIARY: TYPE: MAIN; CONTACT ARRANGEMENT: NO NC; CURRENT: 10 A; POTENTIAL: 24 VAC; MATERIAL: PVC; ATTACHMENT METHOD: CLIP ON; SPECIFICATION: DIN IEC 68-2-6; SUPPL P/N: S2C-H11L; SUITABLE FOR USE WITH S200U AND S200UP SERIES MCB	EA	1	
2.121	0638873	TRANSFORMER, POWER: APPARENT POWER: 32 KVA; POTENTIAL: 22-0.22 KV; CURRENT: 5 A; IMPEDANCE: 0.53 OHM; VECTOR GROUP: YND11; FREQUENCY: 50 HZ; PHASE: 1; TYPE: NEUTRAL EARTHING; SUPPL P/N: Z20423	EA	1	
2.122	0638874	MODULE: TYPE: ANALOG OUTPUT; INPUT: 0.5-5 A; OUTPUT: 4-20 MA; POWER SOURCE: 10 VA; APPLICATION: TEMPERATURE MONITOR; DIMENSIONS: WD 200 X HT 120 X DP 84 MM; SUPPL P/N: EPT2020- OL/CT; REFERENCE NO: 6642-RZNZZZYJSZZNZZZZ-1399541; OPERATION TEMP: -25 TO 70 DEG C; PROTECTION: IP20	EA	1	
2.123	0641707	MODULE: TYPE: OVERCURRENT RELAY; POWER SOURCE: 24-250 VDC; APPLICATION: EXCITATION/CONTROL SYSTEM; SUPPL P/N: MICOM-P122 A00Z112CB0	EA	1	
2.124	0643421	VALVE: TYPE: TEMPERATURE CONTROL; VALVE SIZE: DN 125; SUPPL P/N: 5BOBB11501-00-BTS	EA	1	
2.125	0643424	VALVE: TYPE: TEMPERATURE CONTROL; SUPPL P/N: 2BCSJ11001-00-AA	EA	1	
2.126	0643425	VALVE: TYPE: TEMPERATURE CONTROL; SUPPL P/N: 11/2CFSJ11001- 00-AA	EA	1	
2.127	0644213	ENCLOSURE: DIMENSIONS: THK 10 MM; MATERIAL: AL 1050; SUPPL P/N: E1700G100; PER BOX 80 SHEETS 100 KG EA	EA	1	
2.128	0645891	HOLDER, BRUSH: TYPE: SHAFT CURRENT VOLTAGE; SUPPL P/N: BR1225	EA	1	
2.129	0647092	TRANSFORMER, CURRENT: POTENTIAL: 900 KV; CURRENT: 2500/1 A; SHORT CIRCUIT CURRENT: 3000/1 A; CORE TYPE: C1 2400/1 CLPX; CREEPAGE: 10 MM; PHASE: 3; SPECIFICATION: TPU 57.43; TYPE: BUS ZONE; CLASS: 5P20	EA	1	
2.130	0647103	TRANSFORMER, CURRENT: POTENTIAL: 2.5 VA; CURRENT: 150/1 A; SHORT CIRCUIT CURRENT: 2000/1 A; CORE TYPE: CLX; CREEPAGE: 10 MM; PHASE: 3; SPECIFICATION: BD-00 TYPE B; TYPE: PROTECTION; CLASS: 5P20	EA	1	
2.131	0648387	CONNECTOR: TYPE: EARTHING TRANSFORMER; DIMENSIONS: SQ 912 MM; MATERIAL: CU FLEXIBLE; SUPPL P/N: 7S046619; LAMINATED SILVER PLATED	EA	1	
2.132	0681979	VALVE: TYPE: PRESSURE CONTROL; VALVE SIZE: 1/4 IN; DESIGN RATING: 0.65 BAR; TEMPERATURE RATING: -29 TO 66 DEG C; CONNECTION: NPT; OPERATED: SPRING LOADED; BODY MATERIAL: ZINC INJECTION DIE CASTING; OEM P/N: GME9789557P0001; DRAWING NO: WK4-101677R0010-120 REV C; FOR COOLING WATER UNIT	EA	1	
2.133	0648963	BREATHER: TYPE: SILICA GEL; MATERIAL: CS; DIMENSIONS: NB 80; CONNECTION: FLANGE; SUPPL P/N: R-AB-4; PIPE MATERIAL: ASTM A106 GR.B; FLANGE MATERIAL: ASTM A105; CONNECTION SIZE AND RATING: 80NB; SANS 1123; TABLE 1000/3; RAISED FACE FLANGED ADAPTER	EA	1	
2.134	0681983	ASSEMBLY: TYPE: MAIN FAN MACHINED; APPLICATION: GENERATOR; DIMENSIONS: ID 803.2 MM X OD 1.24 M X THK 272.5 MM; MANUF P/N: HTCMA45338K0001; DRAWING NO: HTCMA45528K0001-10; HTCMA45529-10 REV L	EA	1	
<b>Total Item 2 (Spares) Carried to Final Summary</b>					
ITEM 1	<b>FINAL SUMMARY</b>				
ITEM 2	PRELIMINARIES AND GENERAL				
	SPARES				
<b>Total Amount (Excl VAT)</b>					