	Scope of Work	Kriel Power Station
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Title: **Kriel Power Station Scope of Work for Supply And Delivery of Auxiliary Plant Valves on an As and When Required Basis for a Period of Five (5) Years**

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1. Introduction

Scope of work for Supply and Delivery of Water Treatment Plant valves as stock items on an “as and when” required basis for a period of Five Years to Kriel Power Station. The equipment must be accompanied by quality control (QC) documents.

2. Supporting Clauses

2.1 Scope

The scope comprises the following but is not limited to:

Supply And Delivery of Water Treatment Plant Valves as Stock Items on an “as and When” Required Basis for a Period of Five Years to Kriel Power Station. The equipment and quantities to be supplied on an as and when required basis is as follows:

Item number	Text	Qty
0659627	VALVE, DIAPHRAGM: TYPE: CHEMICAL INJECTION; VALVE SIZE: DN25; DESIGN RATING: 10 BAR; TEMPERATURE RATING: 25 DEG C; CONNECTION: FLANGE; BODY MATERIAL: DUCTILE IRON; DIAPHRAGM MATERIAL: EPDM; FACE TO FACE LENGTH: 160 MM; OPERATED: PNEUMATIC; STYLE: 2 WAY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
0659625	VALVE, DIAPHRAGM: TYPE: CHEMICAL INJECTION; VALVE SIZE: DN50; DESIGN RATING: 10 BAR; TEMPERATURE RATING: 25 DEG C; CONNECTION: FLANGE; BODY MATERIAL: DUCTILE IRON; DIAPHRAGM MATERIAL: EPDM; FACE TO FACE LENGTH: 230 MM; OPERATED: PNEUMATIC; STYLE: 2 WAY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

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0659612	VALVE, DIAPHRAGM: TYPE: CHEMICAL INJECTION; VALVE SIZE: DN100; DESIGN RATING: 6 BAR; TEMPERATURE RATING: 25 DEG C; CONNECTION: FLANGE; BODY MATERIAL: DUCTILE IRON; DIAPHRAGM MATERIAL: EPDM; FACE TO FACE LENGTH: 350 MM; OPERATED: PNEUMATIC; STYLE: 2 WAY; SPECIFICATION: 487.100.12.58.1.15.33; PART NO: 487; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
0659613	VALVE, DIAPHRAGM: TYPE: CHEMICAL INJECTION; VALVE SIZE: DN80; DESIGN RATING: 6 BAR; TEMPERATURE RATING: 25 DEG C; CONNECTION: FLANGE; BODY MATERIAL: DUCTILE IRON; DIAPHRAGM MATERIAL: EPDM; FACE TO FACE LENGTH: 310 MM; OPERATED: PNEUMATIC; STYLE: 2 WAY; SPECIFICATION: 385.80.12.58.1.15; PART NO: 385; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
0659624	VALVE, DIAPHRAGM: TYPE: CHEMICAL INJECTION; VALVE SIZE: DN65; DESIGN RATING: 6 BAR; TEMPERATURE RATING: 25 DEG C; CONNECTION: FLANGE; BODY MATERIAL: DUCTILE IRON; DIAPHRAGM MATERIAL: EPDM; FACE TO FACE LENGTH: 290 MM; OPERATED: PNEUMATIC; STYLE: NON RISING SPINDLE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
0659622	VALVE, DIAPHRAGM: TYPE: CHEMICAL INJECTION; VALVE SIZE: NB80; DESIGN RATING: PN16; TEMPERATURE RATING: 25 DEG C; CONNECTION: FLANGE; BODY MATERIAL: DUCTILE IRON; DIAPHRAGM MATERIAL: PTFE; FACE TO FACE LENGTH: 310 MM; OPERATED:	20

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	MANUALLY; STYLE: NON RISING SPINDLE; SPECIFICATION: 675.80D.817SEO; PART NO: 675; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	
0659611	VALVE, DIAPHRAGM: TYPE: ISOLATOR; VALVE SIZE: DN200; DESIGN RATING: 5 BAR; TEMPERATURE RATING: 25 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CAST IRON; DIAPHRAGM MATERIAL: EPDM; FACE TO FACE LENGTH: 600 MM; OPERATED: MANUALLY; STYLE: 2 WAY; PART NO: 987; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
656160	VALVE, BUTTERFLY: TYPE: WAFER; VALVE SIZE: 300 MM; DESIGN RATING: PN16; CONNECTION: WAFER; BODY MATERIAL: SG IRON; SOFTGOODS: EPDM; OPERATED: HANDWHEEL; TEMPERATURE RATING: AMBIENT; APPLICATION: DEMIN WATER; FACE TO FACE LENGTH: 114 MM; STYLE: DOUBLE ESSENTRIC; SPECIAL FEATURES: DISC: SS316; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
0070847	DIAPHRAGM, VALVE: DIMENSIONS: WD 155 X LG 186 MM; MATERIAL: RUBBER GR Q; VALVE SIZE: WD 155 X LG 186 X THK 80 MM; TYPE A, FOR WATER PURIFICATION PLANT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

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0073738	VALVE, DIAPHRAGM: VALVE SIZE: 200 MM; DESIGN RATING: 6 BAR; TEMPERATURE RATING: -10 TO 100 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CI; DIAPHRAGM MATERIAL: GR B; OPERATED: MANUAL; STYLE: WEIR; SAUNDERS; TYPE: A; PART NO: 0309, SUPPLIER: UNKNOWN; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
63562	VALVE, DIAPHRAGM: TYPE: WEIR; VALVE SIZE: 50 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 12 BAR AT 100 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CI; DIAPHRAGM MATERIAL: RUBBER SYNTHETIC; OPERATED: HANDWHEEL; GRADE: B; DIAPHRAGM, DRILLED TO BST D, 4 HOLES OF 18 MM DIAMETER; REFERENCE NO: A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
73725	VALVE, DIAPHRAGM: VALVE SIZE: 3 IN; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 9 BAR AT 85 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CI; OPERATED: HANDWHEEL; STYLE: WEIR; RUBBER LINED; SAUNDERS; TYPE A; FLANGED DRILLED 4 HOLES TO TABLE D; FOR WATER PLANT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

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642241	VALVE, GATE: VALVE SIZE: 450 MM; TYPE: KNIFE; DESIGN PRESSURE: PN16; DESIGN TEMPERATURE: 0-50 DEG C; CONNECTION: WAFER; FACE TO FACE LENGTH: 110 MM; BODY MATERIAL: CI; TRIM: EPDM; OPERATED: ACTUATOR DOUBLE ACTING; TEMPERATURE RATING: AMBIENT; APPLICATION: TREATED WATER; SPECIAL FEATURES: WAFER; STANDARD PATTERN; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
0071405	VALVE, DIAPHRAGM: TYPE: STRAIGHT WAY; VALVE SIZE: 80 MM; DESIGN RATING: 10 BAR; TEMPERATURE RATING: -40 TO 90 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CI; DIAPHRAGM MATERIAL: PTFE GR A; OPERATED: HAND; GLASS LINED; SAUNDERS; TYPE A; 8 HOLES X 16MM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
0073724	VALVE, DIAPHRAGM: VALVE SIZE: 25 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 13.5 BAR AT 85 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CI; OPERATED: MANUAL; SAUNDERS; TYPE A; RUBBER LINED; DRILLED TO TABLE D, FOR USE ON WATER PLANT, ZENZELE INDUSTRIAL; REFERENCE NO: 203-006-1111; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

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0073723	VALVE, DIAPHRAGM: VALVE SIZE: 3/4 IN; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 13.5 BAR AT 85 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CI; OPERATED: HANDWHEEL; STYLE: WEIR; SAUNDERS; TYPE A HARD RUBBER LINED; FLANGED AND DRILLED TO TABLE D; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
0063938	VALVE, DIAPHRAGM: VALVE SIZE: 20 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: -10 TO 100 DEG C; CONNECTION: THD; BODY MATERIAL: CI; DIAPHRAGM MATERIAL: GR Q; OPERATED: HANDWHEEL; STYLE: WEIR; SAUNDERS; TYPE: A; PRESSURE TEST CERTIFICATE TO BE SUBMITTED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
73818	DIAPHRAGM, ACTUATOR: DIMENSIONS: DIA 30 MM; MATERIAL: NITRILE; FOR FISHER CONTROL VALVE, TYPE 667; REFERENCE NO: 2E8000-02202; PART NO: 2E8000-02202, SUPPLIER: UNKNOWN; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

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0603459	KIT, INSTALLATION: TYPE: TRANSFORMER; APPLICATION: FIRE SYSTEM; USED ON GEN TRANSFORMER, UNIT TRANSFORMER B, STATION TRANSFORMER, H2 PLANT, BULK LUB OIL 1, TRANSFORMER PURIFICATION 1, FUEL OIL, NORTH UNIT 1; COMPRISING OF 3 X 3/8" HEX PLUGS; 2 X 3/8" BARREL NIPPLE; 4 X 3/8" BRASS BALL VALVES; 7 X 3/8" HESX NIPPLE, 3 X 3/8" F TEE, 2 X 3/8" COMPRESSION STRAIGHT (FLARED); 1 X 3/8" BRASS NON-RETURN VALVES; 2 X 1/2" - 3/8" REDUCING NIPPLE; 1 X ORANGE ACCELERATION PILOT; 2 X 1/2" - 3/8" REDUCING BUSH; 1 X 3/8" - 1/2" COMPRESSION ELBOW (FLARED); 1 X 1/4" - 3/8" ADAPTOR; 1 X 3/8" MF ELBOW; 1 X 3/8" F CROSS, 2 X 3/8" - 1/4" REDUCING BUSH, 1 X 1/4" GAUGE, 2 X 3/8" - 1/4" REDUCING NIPPLE, 1 X 1/4" - 1/2" ADAPTOR, 2 X 1/2" COMPRESSION STRAIGHT (FLARED); 1 X 1/2" COMPRESSION ELBOW (FLARED), 1 X 1/2" Y; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
0063937	VALVE, DIAPHRAGM: VALVE SIZE: 6 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: -20 TO 100 DEG C; CONNECTION: FEMALE THD; BODY MATERIAL: STL; DIAPHRAGM MATERIAL: GR C; OPERATED: HANDWHEEL; STYLE: WEIR; TYPE A; FOR WATER PURIFICATION PLANT, PRESSURE TEST CERTIFICATE TO BE SUBMITTED ON DELIVERY; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
0064875	DISC, VALVE: MATERIAL: Z3CND19.10M; VALVE STYLE: DUO CHECK; VALVE SIZE: 80 MM; (DSG-310-182; C.O.C; C.O.I; MATERIAL CERTIFICATE; Q3:3:ND:NEV); PART NO: 42072319, MANUFACTURER: AMRI; , SUPPLIER: AREVA; VENDORS ARE RESPONSIBLE FOR ENSURING	20

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	THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	
73961	DIAPHRAGM, VALVE: DIMENSIONS: DIA 200 MM; VALVE SIZE: 200 MM; GRADE B; TYPE A; REFERENCE NO: A200BB; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
0073692	VALVE, GATE: VALVE SIZE: 150 MM; DESIGN RATING: BODY 1.6; SEAT 1 MPA; CONNECTION: FLANGE; BODY MATERIAL: CI; TYPE: WEDGE; TRIM: SEAT CI; SPINDLE MS; SOFTGOODS: GRAPHITE ASB; STEM DESIGN: RISING; STYLE: BONNET BOLTED; OPERATED: HANDWHEEL; DOUBLE; CLOCKWISE CLOSING; DRILLED TO BS4504 TABLE 6; 90PSI WORKING PRESSURE; VOSA; REFERENCE NO: MO754; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
0685895	VALVE, DIAPHRAGM: TYPE: A; VALVE SIZE: DN 200 IN; DESIGN RATING: 6 BAR; TEMPERATURE RATING: AMBIENT; CONNECTION: FLANGE ANSI CLASS 125/150; BODY MATERIAL: RUBBER LINED; DIAPHRAGM MATERIAL: CAST IRON 9GG25 EPDM; FACE TO FACE LENGTH: FLAT FACE LENGTH EN558-1 SERIES1; OPERATED: PNEUMATICAL; STYLE: 2/2 WAY; APPLICATION: CHEMICAL VEHICLE, SULPHURIC ACID; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

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66557	ACTUATOR, PNEUMATIC: PRESSURE RATING: 4 BAR; DOUBLE ACTION; DN02-40-80MM; COMPLETE WITH 80MM TTV BUTTERFLY VALVE; AIR TORQUE; TTV80; MODEL NO: AT10DA - F05-14; REFERENCE NO: NF E29-409; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
70845	DIAPHRAGM, VALVE: DIMENSIONS: DIA 280 X THK 10 MM; MATERIAL: RUBBER GR Q; VALVE SIZE: 150 MM; TYPE KB; FOR SAUNDER VALVE; REFERENCE NO: S; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
226001	VALVE, BALL: VALVE SIZE: 80 MM; DESIGN RATING: 150 LB; TEMPERATURE RATING: -10 TO 200 DEG F; CONNECTION: FLANGE; FACE TO FACE LENGTH: 255 MM; OPERATED: PNEUMATIC; STYLE: 2 WAY; TRIM: BALL SS; SEAT PTFE; SOFTGOODS: SEALS PTFE; GRADE: CF8M; COMPLETE AND ACTUATOR; DOUBLE ACTING; AIR TO OPEN AND CLOSE; DOUBLE PISTON OPERATED; DRILLING TABLE BS4504 TABLE 16 (PCD 160MM), DRILL HOLES MUST BE 8 IN TOTAL; PART NO: B080SS2DA025, SUPPLIER: UNKNOWN; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

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73732	VALVE, DIAPHRAGM: VALVE SIZE: 25 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: -30 TO 130 DEG C; CONNECTION: THD; BODY MATERIAL: SS; DIAPHRAGM MATERIAL: GR 300; OPERATED: MANUAL; STYLE: WEIR; GRADE: 316; SAUNDERS; TYPE A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
648391	REGULATOR, PRESSURE: TYPE: CLAV VAL GLOBE 200 MM PN 25; INLET PRESSURE: 3 BAR; OUTLET PRESSURE: 10 BAR; CONNECTION: 200 MM; BODY MATERIAL: SS; REDUCTION RATIO: GE HYTROL 3:1; 200MM GE: (CV) 185L/S; NORMAL FLOW RANGE: 25-94L/S; Q MAX: 175L/S; SERIAL NO: 5200T2090G01ABECS30; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
685642	VALVE, DIAPHRAGM: TYPE: A; VALVE SIZE: 100 MM; DESIGN RATING: 7 BAR; TEMPERATURE RATING: AMBIENT TEMP; CONNECTION: FLANGE ANSI CLASS 125/150 SERIES 1; BODY MATERIAL: SG IRON (GGG 403) PP LINED; DIAPHRAGM MATERIAL: EPDM; FACE TO FACE LENGTH: 350 MM; OPERATED: 2/2 WAY PNEUMATIC; APPLICATION: CHEMICAL VEHICLE, SULPHURIC ACID; CONTROL AIR CONNECTION 90 DEG FLOW DIRECTION, ACTUATOR SIZE/DESIGN; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

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63992	VALVE, CHECK: TYPE: SWING; VALVE SIZE: 15 MM; DESIGN RATING: 10.5 BAR; TEMPERATURE RATING: 186 DEG C; CONNECTION: THD; BODY MATERIAL: BRS; STYLE: THD CAP; TRIM: DISC/SEAT GUNMETAL; SUPPLIER NOTE-THE ITEM MUST BE PROTECTIVE PACKED AND CLEARLY MARKED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
73739	VALVE, CHECK: TYPE: FLAP; VALVE SIZE: 25 MM; DESIGN RATING: 7 BAR; TEMPERATURE RATING: -10 TO 90 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CI; STYLE: SPLIT BODY; RUBBER LINED; SAUNDERS NRV; TYPE N; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
656161	VALVE, CHECK: TYPE: DOUBLE DOOR WAFER; VALVE SIZE: 150 MM; DESIGN RATING: PN16; TEMPERATURE RATING: AMBIENT; CONNECTION: WAFER; BODY MATERIAL: CAST IRON; FACE TO FACE LENGTH: 76 MM; OPERATED: FLOW; APPLICATION: NRV SLUDGE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
73745	ACTUATOR, PNEUMATIC: OPERATED: SPRING OPEN; MATERIAL: CI; DIAPHRAGM, SAUNDERS; D.O.S.O.; COMPLETE WITH TOP WORKS; FOR 75MM SAUNDERS VALVE TYPE A; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

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637958	VALVE, GATE: VALVE SIZE: 300 MM; TYPE: WEDGE 664; DESIGN PRESSURE: PN16; DESIGN TEMPERATURE: 10-50 DEG C; CONNECTION: FLANGE; FACE TO FACE LENGTH: 385 MM; BODY MATERIAL: CAST IRON; TRIM: EPDM; OPERATED: HANDWHEEL; STYLE: NON RISING SPIDLE; DISC SS 316; TEMPERATURE RATING: -5 TO 30 DEG C; APPLICATION: WATER; DESIGN RATING: 16 BAR; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
601849	VALVE, BUTTERFLY: TYPE: FLANGED TRIPLE ECCENTRIC; VALVE SIZE: 600 MM; DESIGN RATING: 10 BAR; TEMPERATURE RATING: 65 DEG C; CONNECTION: FLANGE; BODY MATERIAL: EPOXY COATED/WCD; FACE TO FACE LENGTH: 180 MM; OPERATED: GEARBOX; BODY WCT; DICS 316 SS; SEAT 304 SS; SEAL 316 PTFE LAMINAR; SEAL RETAINING RING 316 SS; SHAFT 316 SS; FLANGE DRILLED TO BS4504 TABLE 10/3; MATERIAL DATA SHEETS/TEST CERTIFICATES REQUIRED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
577003	VALVE, BUTTERFLY: TYPE: DUCTILE; VALVE SIZE: 100 MM; DESIGN RATING: 1 MPA; TEMPERATURE RATING: 0 TO 20 DEG C; CONNECTION: WAFER; BODY MATERIAL: FCD458; FACE TO FACE LENGTH: 45 MM; OPERATED: AIR; TRIM: DISC SS; EPDM; APPLICATION: MAIL SILO LP WATER SYSTEM; COMPLETE WITH SS MOUNTING KIT AND HABONIM; MODEL NO: C25DA; PART NO: DLM-100612-MR-C25DA; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

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577004	VALVE, BUTTERFLY: TYPE: DUCTILE; VALVE SIZE: DN 100; DESIGN RATING: PN16; TEMPERATURE RATING: 100 DEG C; CONNECTION: WAFER; BODY MATERIAL: CI; FACE TO FACE LENGTH: 52 MM; OPERATED: GEAR; TRIM: DISC SS; RUBBER LINER EPDM; STEM SS; APPLICATION: FIRE SYSTEM; MULFIERS ALL UNITS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
577005	VALVE, BUTTERFLY: TYPE: DUCTILE; VALVE SIZE: DN 125; DESIGN RATING: PN16; TEMPERATURE RATING: 100 DEG C; CONNECTION: WAFER; BODY MATERIAL: CI; FACE TO FACE LENGTH: 54.36 MM; OPERATED: GEAR; TRIM: DISC SS; RUBBER LINER EPDM; STEM SS; APPLICATION: FIRE SYSTEM; MULFIERS ALL UNITS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
577006	VALVE, BUTTERFLY: TYPE: DUCTILE; VALVE SIZE: DN 150; DESIGN RATING: PN16; TEMPERATURE RATING: 100 DEG C; CONNECTION: WAFER; BODY MATERIAL: CI; FACE TO FACE LENGTH: 55.8 MM; OPERATED: GERA; TRIM: DISC SS; RUBBER LINER EPDM; STEM SS; APPLICATION: FIRE SYSTEM; MULSIFIERS ALL UNITS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

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577007	VALVE, BUTTERFLY: TYPE: DUCTILE; VALVE SIZE: DN 200; DESIGN RATING: PN16; TEMPERATURE RATING: 100 DEG C; CONNECTION: WAFER; BODY MATERIAL: CI; FACE TO FACE LENGTH: 60 MM; OPERATED: GEAR; TRIM: DISC SS; RUBBER LINER EPDM; STEM SS; APPLICATION: FIRE SYSTEM; MULSIFIERS ALL UNITS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
577008	VALVE, BUTTERFLY: TYPE: DUCTILE; VALVE SIZE: DN 250; DESIGN RATING: PN16; TEMPERATURE RATING: 100 DEG C; CONNECTION: WAFER; BODY MATERIAL: CI; FACE TO FACE LENGTH: 65.63 MM; OPERATED: GEAR; TRIM: DISC SS; RUBBER LINER EPDM; STEM SS; APPLICATION: FIRE SYSTEM; MULSIFIERS ALL UNITS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
577009	VALVE, BUTTERFLY: TYPE: DUCTILE; VALVE SIZE: DN 50; DESIGN RATING: PN16; TEMPERATURE RATING: 100 DEG C; CONNECTION: WAFER; BODY MATERIAL: CI; FACE TO FACE LENGTH: 40 MM; OPERATED: GEAR; TRIM: DISC SS; RUBBER LINER EPDM; STEM SS; APPLICATION: FIRE SYSTEM; MULFIERS ALL UNIT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

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577222	VALVE, BUTTERFLY: TYPE: DUCTILE; VALVE SIZE: 80 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 100 DEG C; CONNECTION: WAFER; BODY MATERIAL: CI; FACE TO FACE LENGTH: 45.21 MM; OPERATED: GEAR; TRIM: DISC SS; RUBBER LINER EPDM; STEM SS; APPLICATION: FIRE SYSTEM; MULFIERS ALL UNITS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
180201	VALVE, GATE: VALVE SIZE: 65 MM; TYPE: SOLID DISC; CONNECTION: THD; BODY MATERIAL: CI; TRIM: DISC/SEAT SS; OPERATED: KEY; SOFTGOODS: SEAL RUBBER; STEM DESIGN: NON RISING; STYLE: 1 WAY; TEMPERATURE RATING: 0-40 DEG C; DESIGN RATING: 16 BAR; TAMPERPROOF HYDRANT VALVE; RED ENAMEL PAINTED; 65MM INSTANTANEOUS COUPLING OUTLET; 80MM BSP THREADED INLET; PART NO: HV-15-03, SUPPLIER: UNKNOWN; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
577010	VALVE, BUTTERFLY: TYPE: DUCTILE; VALVE SIZE: DN 65; DESIGN RATING: PN16; TEMPERATURE RATING: 100 DEG C; CONNECTION: WAFER; BODY MATERIAL: CI; FACE TO FACE LENGTH: 44.68 MM; OPERATED: GEAR; TRIM: DISC SS; RUBBER LINER EPDM, STEM SS; APPLICATION: FIRE SYSTEM; MULFIERS ALL UNITS; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

CONTROLLED DISCLOSURE

73037	VALVE, GATE: VALVE SIZE: 400 MM; TYPE: SOLID WEDGE; CONNECTION: FLANGE; FACE TO FACE LENGTH: 406 MM; BODY MATERIAL: SGI; TRIM: DISC NBR COATED; SPINDLE SS; OPERATED: HANDWHEEL; STEM DESIGN: RISING SPINDLE; STYLE: BOLTED BONNET; TEMPERATURE RATING: 90 DEG C; DESIGN RATING: 16 BAR; ELIPSO; DRILLED TO TABLE D; P.C.D. 521MM; NUMBER OF HOLE IS 12 WITH A DIAMETER OF 25MM; PART NO: VN280, SUPPLIER: UNKNOWN; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
637959	VALVE, CHECK: TYPE: SWING; VALVE SIZE: 300 MM; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 10-50 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CI; FACE TO FACE LENGTH: 760 MM; OPERATED: FLOW; TRIM: SS GR 316; DISC SS GR 316; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
588013	VALVE, GATE: VALVE SIZE: 300 MM; TYPE: WEDGE; CONNECTION: FLANGE TABLE 10; FACE TO FACE LENGTH: 356 MM; BODY MATERIAL: SGI CAST; OPERATED: DREHMO CR20/CR10 ACTUATOR GEARBOX; SOFTGOODS: NITRILE O RING; STEM DESIGN: SG IRON YOKE; STYLE: RISING STEM; TEMPERATURE RATING: -5 TO 30 DEG C; APPLICATION: ASH SUMP MAKE UP; SPECIFICATION: BS5163; GRADE: 420/12; DESIGN RATING: 16 BAR; OUTSIDE SCREW THREAD; TOWER TO FIT DREHMO CR10/CR20 GEARBOX; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

CONTROLLED DISCLOSURE

597551	VALVE, DIAPHRAGM: TYPE: ISOLATING; VALVE SIZE: 4 IN; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 65 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CAST IRON; DIAPHRAGM MATERIAL: EPDM; FACE TO FACE LENGTH: 350 MM; OPERATED: PNEUMATIC; METAL DIAPHRAGM VALVE; TYPE: 487 SED 2-WAY; RUBBER LINED; ANSI 150 FLANGED; POLES: 8; DRILLING FLANGED: SANS 1123; TABLE 100/3; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
597550	VALVE, DIAPHRAGM: TYPE: ISOLATING; VALVE SIZE: 3 IN; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 40 DEG C; CONNECTION: FLANGE; BODY MATERIAL: DI; DIAPHRAGM MATERIAL: EPDM; FACE TO FACE LENGTH: 305 MM; OPERATED: PNEUMATIC; METAL DIAPHRAGM VALVE; TYPE 385 SED 2-WAY; DUCTILE IRON GGG40.3; ANSI 150 FLANGE; POLES: 8; 6BAR CONTROL AIR; SANS 1123; TABLE 1000/3; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
597548	VALVE, DIAPHRAGM: TYPE: ISOLATING; VALVE SIZE: 2 IN; DESIGN RATING: 16 BAR; TEMPERATURE RATING: 45 DEG C; CONNECTION: FLANGE; BODY MATERIAL: DI GGG 40.3; DIAPHRAGM MATERIAL: EPDM; FACE TO FACE LENGTH: 225 MM; OPERATED: PNEUMATIC; STYLE: 2 WAY; TYPE 385 SED; PP LINED; ANSI 150 FLANGED; POLES: 8; 6 BAR CONTROL AIR; DRILLING SANS 1123; TABLE 1000/3; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

CONTROLLED DISCLOSURE

638215	VALVE, BUTTERFLY: TYPE: DOUBLE FLANGED; VALVE SIZE: 3000 MM; DESIGN RATING: PN16; TEMPERATURE RATING: AMBIENT; CONNECTION: FLANGE; BODY MATERIAL: DI; FACE TO FACE LENGTH: 600 MM; OPERATED: ACTUATOR; TRIM: BARE SHAFT/STEM; DISC SS GR 316; LINER HYPALON; SS GR 410; APPLICATION: COOLING WATER; ASSEMBLED WITH AUMA ACTUATOR NORM MULTI-TURN; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
597510	VALVE, PLUG: VALVE SIZE: DN 200; DESIGN RATING: 1.21 MPA; TEMPERATURE RATING: 121 DEG C; CONNECTION: FLANGE; BODY MATERIAL: CI; FACE TO FACE LENGTH: 295 MM; OPERATED: FLOAT; FUENTRIC PLUG VALVE; SST BEARING; WELDED - IN; NIKEL SEAT END CONNECTION; PRESSURE RATING: 1210KPA; ACRYLONI TRILE-BUTADIENE; PLUG FACING; CHLOROPRENE; ACT TYPE: NUT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
226548	VALVE: TYPE: SHUT OFF; VALVE SIZE: 10 MM; DESIGN RATING: 250 BAR; TEMPERATURE RATING: 550 DEG C; CONNECTION: WELD; OPERATED: MANUAL; BODY MATERIAL: SS; STYLE: 2 WAY; THD BONNET; TRIM: SEAT GR 1.4988; SOFTGOODS: PACKING RING GRAPHITE; PART NO: VD 60/45/6/36, SUPPLIER: UNKNOWN; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

CONTROLLED DISCLOSURE

597509	VALVE, BUTTERFLY: TYPE: DOUBLE; VALVE SIZE: 1 M; DESIGN RATING: 100 KPA; TEMPERATURE RATING: 45 DEG C; CONNECTION: FLANGE; BODY MATERIAL: SS GR 316; FACE TO FACE LENGTH: 533 MM; OPERATED: MANUALLY; DOUBLE FLANGED TRIPLE ELECTRIC BUTTERFLY VALVE; GEARBOX OPERATED; SANS 1123; TABLE 100/3 FOR DRILLING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE)	20
0695553	VALVE, RELIEF: VALVE SIZE: 3/4 IN; SET PRESSURE: 25.5 MPA; TEMPERATURE RATING: 70 DEG C; CONNECTION: DN6 MALE; BODY MATERIAL: BRASS; TRIM: BRASS; OPERATED: SPRING; APPLICATION: COMPRESSED AIR; DESIGN RATING: 150-350 BAR; TO BE SUPPLIED WITH CALIBRATION CERTIFICATE; PART NO: SV06-1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	2
0688749	VALVE, RELIEF: VALVE SIZE: 50 MM; SET PRESSURE: 7 6 (GAUGE); TEMPERATURE RATING: -200 TO 200 DEG C; CONNECTION: 50 BSP THREADED MALE INLET AND FEMALE OUTLET MM; BODY MATERIAL: BRONZE; TRIM: ATLAS; FACE TO FACE LENGTH: 60 MM; OPERATED: SPRING; DESIGN RATING: PN16; BAILEY FULL LIFTING PSV LEAVER SET TO LIFT PRESSURE, DN 50 BSP MALE TO FEMALE THREADED CONNECTION DISC INSERTS, FOR COMMON PLANT COMPRESSED AIR VESSELS, SUPPLIED WITH CALIBRATION CERTIFICATE; PART NO: 716; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	10

CONTROLLED DISCLOSURE

0695557	VALVE, RELIEF: VALVE SIZE: 3/4 IN; SET PRESSURE: 14 MPA; TEMPERATURE RATING: 70 DEG C; CONNECTION: DN6 MALE; BODY MATERIAL: BRASS; TRIM: BRASS; OPERATED: SPRING; APPLICATION: COMPRESSED AIR; DESIGN RATING: 55-150 BAR; TO BE SUPPLIED WITH A CALIBRATION CERTIFICATE; PART NO: SV06-2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	2
695555	VALVE RELF:SV06-2;3/4 IN;6 MPA;70 DEG C VALVE, RELIEF: VALVE SIZE: 3/4 IN; SET PRESSURE: 14 MPA; TEMPERATURE RATING: 70 DEG C; CONNECTION: DN6 MALE; BODY MATERIAL: BRASS; TRIM: BRASS; OPERATED: SPRING; APPLICATION: COMPRESSED AIR; DESIGN RATING: 55-150 BAR; TO BE SUPPLIED WITH A CALIBRATION CERTIFICATE; PART NO: SV06-2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

CONTROLLED DISCLOSURE

688747	VALVE, RELIEF: VALVE SIZE: 150 X 80 MM; SET PRESSURE: 4 (GAUGE) BAR; TEMPERATURE RATING: -10 TO 300 DEG C; CONNECTION: INLET FLANGE 8 BOLTS PCD 160 MM; BODY MATERIAL: CARBON STEEL; TRIM: STAINLESS STEEL; OPERATED: SPRING; DESIGN RATING: PN16; LESER SAFETY RELEASE VALVE, PN 16 180NB INLET 150 NB OUTLET, DOMED CAP, FOR COMMON PLANT COMPRESSED AIR VESSELS, TO BE SUPPLIED WITH CALIBRATION CERTIFICATES; PART NO: 746; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20
688727	VALVE, RELIEF: VALVE SIZE: 150 X 100 MM; SET PRESSURE: 85 KPA; TEMPERATURE RATING: -100 TO 200 DEG C; CONNECTION: FLANGED, 8 BOLTS PCD 160 MM; BODY MATERIAL: CARBON STEEL; TRIM: STAINLESS STEEL; OPERATED: SPRING LIFT; LESER SAFETY RELEASE VALVE, PN16 100NB INLET 150NB OUTLET, TO BE SUPPLIED WITH CALIBRATION CERTIFICATES, FOR COMMON PLANT VESSELS COMPRESSED AIR; DRAWING NO: 4411/H3; PART NO: 746; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).	20

Works Overview

Following the issue of a task order by the Employer's Representative:

- The Contractor must supply the spares on an "as and when" required basis
- Transport it to the Clients premises i.e. Kriel Power Station
- Always have contingency valves in case of emergency during the duration of the contract.
- The Contractor must then supply all the necessary documentation of tests done on the valves including certificates.
- The technical specification and maintenance manual to be supplied on delivery

CONTROLLED DISCLOSURE

2.1.1 Standard of Work

Item nr	Description
0659627	25DN DIAPHRAGM VALVES VALVE DIAPH:CHEMICAL INJECTION;DN25
0073692	VALVE,GATE:WEDGE;150 MM;FLANGE;CI
0659625	50DN DIAPHRAGM VALVES VALVE DIAPH:CHEMICAL INJECTION;DN50
0659612	100DN DIAPHRAGM VALVES VALVE DIAPH:487;CHEMICAL INJECTION;DN100
0659613	80DN DIAPHRAGM VALVES VALVE DIAPH:385;CHEMICAL INJECTION;DN80
0659624	65DN DIAPHRAGM VALVES VALVE DIAPH:CHEMICAL INJECTION;DN65
0659622	80DN DIAPHRAGM VALVES [ACID INJECTION] VALVE DIAPH:675;CHEMICAL INJECTION;NB80
0659611	200DN DIAPHRAGM VALVES [WTP VESSELS] VALVE DIAPH:987;ISOLATOR;DN200;5 BAR
656160	300MM DEMIN TANK A INLET VALVE VALVE, BUTTERFLY:WAFER;300 MM;PN16;WAFER
0064875	DISC VLV:42072319;Z3CND19.10M;DUO CHECK
0070847	DIAPHRAGM VALVES DIAPHRAGM VLV:WD 155 X LG 186 MM
0073738	200MM DIAPHRAGM VALVES MIXBED VALVE DIAPH:200 MM;6 BAR;FLANGE;CI;GR B
63562	DIAPHRAGM VALVES DILUTION TANKS VALVE DIAPH:A;WEIR;50 MM;16 BAR;FLANGE
73725	DIAPHRAGM VALVES DILUTION TANKS

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	VALVE DIAPH:3 IN;16 BAR;FLANGE;CI;WEIR
642241	450 DESLUDGE VALVE VALVE GATE:450 MM;KNIFE;PN16;0-50 DEG C
0071405	DIAPHRAGM VALVES GLASS 80MM CLAD OFFLOADING VALVE DIAPH:STRAIGHT WAY;80 MM;10 BAR
0073724	DIAPHRAGM VALVES 25 CPP INLET AIR SCRUB VALVE DIAPH:203-006-1111;25 MM;16 BAR
0073723	DIAPHRAGM VALVES ¾ inc CPP INLET AIR SCRUB VALVE DIAPH:¾ IN;16 BAR;FLANGE;CI
0063938	DIAPHRAGM VALVES 15MM CPP INLET AIR SCRUB VALVE DIAPH:20 MM;16 BAR;THD;CI;GR Q
73818	DIAPHRAGM VALVES [CAUSTIC PUMP VALVE] DIAPHRAGM ACTTR:2E8000-02202;DIA 30 MM
0603459	DIAPHRAGM VALVES [FIRE SYSTEM] 150MM KIT INSTLTN:TRANSFORMER;FIRE SYSTEM
0063937	DIAPHRAGM VALVE [ANION] VALVE DIAPH:6 MM;16 BAR;-20 TO 100 DEG C
73961	DIAPHRAGM OHN 200MM DIAPHRAGM VLV:A200BB;DIA 200 MM;200 MM
0685895	200MM DIAPHRAGM VALVE [AIR TO OPEN] VALVE DIAPH:A;DN 200 IN;6 BAR;AMBIENT
66557	SLUDGE AGITATION VALVE 80MM ACTUATOR PNEUM:AT10DA - F05-14;4 BAR
70845	AIR SCRUB DIAPHRAGM (MIXED BED) 150MM
226001	BALL VALVE CPP BALL VALVE ACTUATOR (AIR TYPE) 80MM VALVE BALL:B080SS2DA025;80 MM;150 LB
73732	CHLORINE INLET LIVE VALVE

CONTROLLED DISCLOSURE

	VALVE DIAPH:25 MM;16 BAR;THD;SS;GR 300
648391	DEMIN PRV REGULATOR PRESS:3 BAR;10 BAR;200 MM;SS
685642	DIAPHRAGM VALVE 100 DN CPP ACID INJECTION ACTUATED
63992	NRV 15MM FOR CPP INLET AIR SCRUB VALVE CHECK:SWING;15 MM;10.5 BAR;THD
73739	NRV 25MM FOR CAUSTIC INJECTION VALVE VALVE CHECK:FLAP;25 MM;7 BAR;FLANGE;CI
656161	SLUDGE PUMPS NRVS VALVE, CHECK:DOUBLE DOOR WAFER;150 MM
73745	SAUNDERS DIAPHRAGM VALVE 80MM ACTUATOR SPRING TO OPEN ACTUATOR PNEUM:SPRING OPEN;CI;DIAPHRAGM,
637958	SANDFILTER BACKWASH VALVES 300MM (1-6 PN16,7-12 PN10) VALVE,GATE:WEDGE 664;300 MM;PN16;16 BAR
601849	VALVES 10% VALVE BTRFLY:FLANGED TRIPLE ECCENTRIC
73037	AWS INLET VALVES VALVE,GATE:VN280;SOLID WEDGE;400 MM
637959	AWS NRV VALVE CHECK:SWING;300 MM;16 BAR;FLANGE
588013	AWS OUTLET VALVE GATE:300 MM;WEDGE;FLANGE TABLE 10
597551	CHEMICAL INJECTION VALVES VALVE DIAPH:ISOLATING;4 IN;16 BAR
597550	CHEMICAL INJECTION VALVES VALVE DIAPH:ISOLATING;3 IN;16 BAR;DI

CONTROLLED DISCLOSURE

597548	CHEMICAL INJECTION VALVES VALVE DIAPH:ISOLATING;2 IN;16 BAR
638215	CW VALVE 3 METER VALVE BTRFLY:DOUBLE FLANGED;3000 MM;PN16
597510	SAND FILTER OUTLET FLOAT VALVES VALVE PLG:DN 200;1.21 MPA;121 DEG C;CI
226548	SHUT OFF VALVES VALVE:SHUT OFF;10 MM;250 BAR;550 DEG C
597509	USUTHU/VAAL ISOLATION VALVE VALVE BTRFLY:DOUBLE;1 M;100 KPA;45 DEG C
577003	VALVE BTRFLY:DUCTILE;100 MM;1 MPA;WAFER
577004	VALVE BTRFLY:DUCTILE;DN 100;PN16;WAFER
577005	VALVE BTRFLY:DUCTILE;DN 125;PN16;WAFER
577006	VALVE BTRFLY:DUCTILE;DN 150;PN16;WAFER
577007	VALVE BTRFLY:DUCTILE;DN 200;PN16;WAFER
577008	VALVE BTRFLY:DUCTILE;DN 250;PN16;WAFER
577009	VALVE BTRFLY:DUCTILE;DN 50;PN16;WAFER
577222	VALVE BTRFLY:DUCTILE;80 MM;16 BAR;WAFER
180201	VALVE GATE:65 MM;SOLID DISC;THD;CI;KEY
577010	VALVE BTRFLY:DUCTILE;DN 65;PN16;WAFER
0695553	VALVE RELF:3/4 IN;25.5 MPA;70 DEG C
0688749	VALVE RELF:716;50 MM;7 6 (GAUGE)
0695557	VALVE RELF:SV06-2;3/4 IN;14 MPA;70 DEG C
695555	VALVE RELF:SV06-2;3/4 IN;6 MPA;70 DEG C

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688747	VALVE RELF:746;150 X 80 MM;4 (GAUGE) BAR
688727	VALVE RELF:746;150 X 100 MM;85 KPA

2.1.2 Test documentation and guarantees

- Once the equipment has passed all hold points and has been assembled, it must undergo a test run.
- The valve must be pressure tested and certifications must be supplied
- The valve functionality must be tested
- The valve operation must be tested
- The valve 100% isolation must be tested

The following documentation must be supplied to the Employer's Representative before a valve will be accepted to site:

- Valve pressure test certificate and QC documents
- Applicable guarantee/warranty.

2.1.3 General Requirements

The Contractor's spares list

The Contractor to submit list of recommended maintenance strategy by OEM

- Starting and the end date of the service period.

Lead Time

The Contractor to indicate the lead time for delivery of spares to Kriel Power Station following the issuing of a valid task order.

2.1.4 Applicability

The document applies to Kriel Power Station Auxiliary Engineering Department and Auxiliary maintenance Department (Water Treatment & Aux).

2.1.5 Effective date

The document will be effective from the date that contract is authorised

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2.2 Normative/Informative References

2.2.1 Normative

- [1] ISO 9001 Quality Management Systems
- [2] OHSAS 18001, Occupational Health and Safety Management Systems, Requirements OHSAS 18001 2007
- [3] ISO 14001, Environmental Management Systems, Requirements with guidance for use ISO 14001 2004
- [4] Eskom Safety, Health, Safety, Environmental and Quality Policy 32-727

2.2.2 Informative

Not applicable

2.3 Definitions

Not applicable

2.4 Abbreviations

Abbreviation	Meaning given to the abbreviation
OBL	Outside Boundary Limits
OEM	Original Equipment Manufacturer
QC	Quality Control
SOW	Scope of Work

2.5 Roles and Responsibilities

Roles and responsibilities are as follows:

- The System Engineer/Maintenance Supervisor is responsible for drafting the SOW and circulating it to all the relevant stakeholders for review.
- Engineering and Maintenance execution are responsible for reviewing the SOW to ensure that the consolidated scope will address plant challenges.
- The System Engineer, Maintenance Supervisor and Quality Control Officer are responsible for the Quality Control of works during supply and delivery.
- The Contractor is responsible for executing the SOW as per task order.

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2.6 Process for Monitoring

Contractor will do the works reporting to the relevant Eskom personnel with QC Documents and progress reporting on the delivery. There will be a QC evaluation of the equipment with the end-user on Delivery's and Invoices.

2.7 Related/Supporting Documents

Not applicable

3. Acceptance

This document has been seen and accepted by:

Name	Designation
Dirk Human	Engineer, Auxiliary Engineering
Mershan Reddy	Engineer, Auxiliary Engineering
Jerushan Pillay	Engineer, Auxiliary Engineering
Justin Varden	Senior Engineer, Auxiliary Engineering
Neo Muthavhine	Auxiliary Engineering Manager
Rofhiwa Nelwamondo	Group Engineering Manager

4. Revisions

Date	Rev.	Compiler	Remarks
October 2020	0.1	Jerushan Pillay	First Issue
December 2021	1	Jerushan Pillay	Final

5. Development Team

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

Jerushan Pillay

Themba Mashiyane

Dirk Human

Justin Varden

Mershan Reddy

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6. Acknowledgements

Not applicable.

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