

PROJECT: PUMPS REFURBISHMENT ON AN AS AND WHEN REQUIRED BASIS CONTRACT FOR A PERIOD OF FIVE (5) YEARS AT KUSILE POWER STATION

ITEM NO.	MATERIAL NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1		ITEM 1 PRELIMINARIES AND GENERAL				
1.1		Safety file	Sum	1.00		
		Total Item 1 (Preliminaries and General) Carried to Final Summary				
		ITEM 2 REFURBISHMENT OF PUMPS				
2.1	0621490	FD & PA Fans,Type Gear pump, Inlet 1 1/4" BSP, Outlet 3/4" BSP, Delivery 76 L/Min Type P17-52 / PGP517A0520,1-6 0HLB13/23 AP001KP01.1-6 0HLB13/23 AP002KP01;				
2.1.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	30.00		
2.2	0621676	FD & PA Fans,Type, Alpha series gear pump, inlet 1 1/4" & outlet 1" BSP, delivery 30 l/Min @ 6 bar,Type P17-52 / PGP517A0520 KKS: 1-6 0HFE01/02 AP001				
2.2.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	15.00		
2.3	621589	FD & PA Fans, Type Alpha series gear pump, flow rate 30 l/Min @ 6 bar, inlet 1" BSP, Outlet 3/4" BSP, Type: P11-23,1-6 0HFE13/23 AP001KP01; 1-6 0HFE13/23 AP002KP01				
2.3.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	30.00		
2.4	621679	Type Alpha series gear pump, Duty 9 litres/min@ 120bar, Connections Inlet and outlet 1/2" BSP, 40ETN94AA101 Type P3- 6.2/PGP-503				
2.4.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	15.00		
2.5	623763	INJECTOR:WSP-080-00; WATERJET SOLID PUMP KKS- 40ETN94AA101 1-6 0HFE14/24 AP001				
2.5.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	8.00		
2.6	643227	PUMP, CNTFGL:HM75- EHC-S C4 PUMP, CNTFGL:HM75-EHC-S C4 HM75-EHC-S C4				
2.6.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	8.00		
2.7	654876	Double Gear Pump; Square flange; Aluminium housing; 1500rpm; P2 = 85bar & Q2 = 31.7 l/min; P1 = 180 bar & Q1 = 15.7 l/min KKS-1 0-6 0HFC12-52 AP001 KP01 Type PGE104- 2200/1100- RBR1/1N-3900				
2.7.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	60.00		
2.8	653365	Screw Spindle Pump; Cast Iron housing; 290 l/min; 1000 1/min; 0,6 Mpa; Internally mounted axial bearings,Type L3MF-70/140- IFOKUI-G 1 0-6 0HFC13-53 AP001 KP011				
2.8.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	60.00		
2.9	646956	Chemical standard pump; Single-stage normal suction volute casing pump; Suction: DN80; Discharge: DN50; PN16; 2960rpm; 253mm impeller; 55m3/h; 83m head, Mill reject box draining. Type KRC-50/250-h308/IGN, 55m3/ KKS-0-6 0ETN02-03 AP001				
2.9.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	24.00		
2.10	642546	External Gear Pump; Aluminium housing; Size 1; 3.15 cm3/rev; Clockwise rotation; Square flange centering Ø 25.4 mm; NBR seals, Application mill reject gate.1 0-6 0HFC14-54 AP001 -KP01 Type PGE101-315- RBQ1-N-3700, 4.4				
2.10.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	60.00		
2.11	646063	00EGA13/23/33 AP001 Screw pump V series; DN100; PN16; EN-GJS-400-15 housing; SN: 105527 / 105528 / 105529; 1470rpm; 53.6m³/h; 11.2bar V 5.1z - 63/2 / N				
2.11.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	8.00		
2.12	642427	Screw pump K series; DN200 PN16 suction; DN150 PN16 discharge; EN-GJS-400-15 housing; SN: 254373 / 254376 / 254380 / 254384; 1477rpm; 91.2m³/h; 6.5 bar, KV- 1500.EXB.003936 V 5.1z - 63/2 / N KV- 1500.EXB.003936				
2.12.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	10.00		
2.13	646210	Screw pump K series; DN80; PN16; EN-GJS-400-15 housing; SN: 254795 / 254797; 1426rpm; 9.7m³/h; 2.3bar, KKS-00HJF82/92 AP001 Type-KV- 160.EXA.004051				
2.13.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	5.00		
2.14	642430	Screw pump CG series; DN200 PN16 suction; DN150 PN40 discharge; P235GH housing; SN: 260214 / 260220 / 260231 / 260233; 1489rpm; 134.3m³/h; 26.5 bar, KKS-0 0HJF82/92 AP001, Type-CGV- 2250.ECEZP.50009				
2.14.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	10.00		

2.15	653352	Dosing Pump Ammonia, type: AN-DA200-7,0 / C409.2-7,5e Type-AN-DA200- 7,0/C409.2-7,5e			
2.15.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	10.00	
2.16	653364	Dosing Pump Ammonia, type: KDO- 200.1 / R409.2-115Membrane pump, KKS-0 0QLF30 AP001 M01Type- KDO-200.1 / R409.2-115e			
2.16.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	5.00	
2.17	645474	Spare Part kit-high pressure dosing pump KKS-0 0QLF30 AP002, Type-SP-KUS-F2-22052			
2.17.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	5.00	
2.18	638270	Delivery capacity:230 l/min, pressure: 12.16 bar, motor rating: 8.56 kW, current supply: with 5m cable and 2,8-Amps plug, corrosion-protection: frame, tank, piping hot-dip galvanised pump, motor, gear coated, KKS-SDR01 AP001,IN-VB 16-100F			
2.18.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	12.00	
2.19	638273	Delivery capacity: 230 l/min, pressure: 100 bar, motor rating: 43 kW, current supply: with 5m cable and 63- Amps plug, corrosion-protection: frame, tank, piping hot-dip galvanised pump, motor, gear coated,KKS-sdr01 ap002,Pratissoli, Type: MW45LP			
2.19.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	12.00	
2.20	636682	Vogel - Multistage, Horizontal split case centrifugal, KKS-00SGA37AP001 00SGA38AP00100SGA39AP001, Type-MPA100.2/2A- SA311A-9002			
2.20.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	6.00	
2.21	634707	Type: CM3-6-A-R-E-AOOE F-A-A-N Q norm: 3.1 m3/hr H norm: 41.5m Model: A 97515126-P3-1851			
2.21.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	4.00	
2.22	642126	Daewoo PU180TI V10 Belt-Water Pump KKS-00SGA34AP001- MM05 00SGA36AP001- MM07, Type-65968010061			
2.22.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	23.00	
2.23	574049	PUMP, ROTARY: HPV75- 02E1; HYDRAULIC,10-60MAX11AP002 KP01" PUMP, Gear Pump,Type-HPV75-02-E1			
2.23.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	30.00	
2.24	574035	PUMP, ROTARY: HYDRAULIC; 10.8 LPM;230 BAR KKS-10-60MAV92AP001, Gear Pump, Type: ALP2-D-12, Type-PLP10- 6.3R086E7			
2.24.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	8.00	
2.25	686867	PUMP, ROTARY: TYPE: HYDRAULIC; PORT SIZE: 1 IN;CAPACITY: 75 CM2; SPEED: VARIABLE; RATING: 420 BAR; DRIVER: ELECTRIC MOTOR; APPLICATION: HYDRAULIC DRIVE; MOUNT: SAE C FLANGE; POWER 98KW AND TORQUE 305NM AT CONTINUOUS SPEED 3100 RPM ON CONTINUOUS PRESSURE 250 BAR; ELECTRO HYDRAULICS CONTROL SOLENOIDS 24V; REVERSIBLE DIRECTION; FORWARD RELIEF VALVE SETTING 300 BAR; REVERSE RELIEF VALVE SETTING 150 BAR; INTERNAL GEAR CHARGE PUMP WITH EXTERNAL SUCTION AND ADDITIONAL GEAR OIL COOLING PUMP; 21 TEETH 16/32 SPLINE; INPUTSHAFT ON MAIN PUMP ANSI B92.1; 39.5 MM USABLE SPLINE LENGTH; OD 34.5 MM; OUTPUT 16/32 18 TEETH SPLINED; CHARGE PUMP 22.5 CC/REV; CHARGE PUMP INPUT 16/32 18 TEETH SPLINE AND OUTPUT 16/32 9 TEETH SPLINE; CHARGE PUMP MOUNTINGS INPUT / OUTPUT SIDE SAE A KKS-10-60 MAN11/12			
2.25.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	24.00	
2.26	623974	PUMP, ROTARY: TYPE: HYDRAULIC; CAPACITY: 10.8 LPM; SPEED: 600/3500 RPM; RATING: 230 BAR;DRIVER: ELECTRIC MOTOR; APPLICATION: HYDRAULIC CYLINDER; SPECIFICATION: POLARIS SERIES 10; REVERSABLE WITH EXTERNAL DRAIN; EUROPEAN MOUNTING FLANGE 80MM; PILOT 56X73MM BOLT PATTERN; FOR USE ON SSC GRIZZLY HYDRAULIC SYSTEM KKS-1-60HDA10 AP001-KP01, Type-600-26877-2			
2.26.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	12.00	
2.27	640027	PUMP, CENTRIFUGAL: TYPE: SLURRY; SIZE: 200 X 150 MM; STAGE: 1; CAPACITY: 360 M3/HR; TOTAL HEAD: 42 M; NPSH: 0; SPEED: 1024 RPM; DRIVER: ELECTRIC MOTOR; MOUNT: HORIZONTAL; SHAFT DIAMETER: 70 MM; AGITATION PUMP EFFICIENCY: 77PCT; SHAFT SEAL: EXPELLER; BEARING LUBRICATION: ROLL/OIL; CASING SUPPORT: PEDESTAL; DRAWING NO: B114109-03-02-GM03-00060-00; PART NO: LCC-M150- 500.3ETDI; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE KKS-1-60HDA10 AP002, Type-600-26877-2			
2.27.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	24.00	
2.28	646798	PUMP, CENTRIFUGAL: TYPE: SLURRY; SIZE: 200 X 150 MM; STAGE: 1; CAPACITY: 360 M3/HR; TOTAL HEAD: 42 M; NPSH: 0; SPEED: 1024 RPM; DRIVER: ELECTRIC MOTOR; MOUNT: HORIZONTAL; SHAFT DIAMETER: 70 MM; AGITATION PUMP EFFICIENCY: 77PCT; SHAFT SEAL: EXPELLER; BEARING LUBRICATION: ROLL/OIL; CASING SUPPORT: PEDESTAL; DRAWING NO: B114109-03-02-GM03-00060-00; PART NO: LCC-M150- 500.3ETDI; VENDORS ARE RESPONSIBLE FOR ENS			
2.28.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	24.00	

2.29	635452	PUMP: TYPE: HYDROCELL; SIZE: 1 X 3/4 IN; CAPACITY: 30.6 L/MIN; SPEED: 1450 RPM; RATING: 24 BAR; DRIVER: ELECTRIC MOTOR; SPECIFICATION: D10-X; POTENTIAL: 400 VAC; CASING MATERIAL: PLASTIC; APPLICATION: WATER; MODEL NO: D10XKBTHFEHA; OIL TYPE: 10W30; OIL CAPACITY: 1.05 L; GLAND SEAL FLUSH; BRASS HEAD; BUNA- DIAPHRAGM; MAXIMUM INLET PRESSURE: 17 BAR; BI-DIRECTIONAL TAPERED ROLLER BEARINGS 7/8 IN; SHAFT DIA: 500 MACRONS MAXIMUM SOLID SIZE; VALVE SEAT: SS 17-4			
2.29.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	24.00	
2.30	647318	Vessel MD-Pump 80-12-10			
2.30.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	144.00	
2.31	647316	PUMP: TYPE: HYDRO-CELL; SIZE: 1 X 3/4 IN; CAPACITY: 30.6 LPM; SPEED: 1450 RPM; RATING: 24 BAR; DRIVER: ELECTRIC MOTOR; SPECIFICATION: D10-X; POTENTIAL: 400 VAC; CASING MATERIAL: PLASTIC; APPLICATION: WATER; OIL TYPE: 10W30; OIL CAPACITY: 1.05L; GLAND SEAL FLUSH; BRASS HEAD; BUNA- DIAPHRAGM; MAXIMUM INLET PRESSURE: 17 BAR; BI-DIRECTIONAL TAPERED ROLLER BEARINGS 7/8IN; SHAFT DIA: 500 MACRONS MAXIMUM SOLID SIZE; VALVE SEAT: SS 17-4; MODEL NO: D10XKBTHFEHA; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
2.31.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	24.00	
2.32	647317	PUMP, CENTRIFUGAL: NPSH: 4.5 M; CAPACITY: 370 M3/HR; TOTAL HEAD: 77 M; SIZE: 200 X 150 MM; SPEED: 1367 RPM; STAGE: 1; DRIVER: ELECTRIC MOTOR; TYPE: SLURRY REAGENT FEED; SPECIFICATION: LCC-R 150-500.4			
2.32.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	24.00	
2.33	620322	PUMP, CENTRIFUGAL: NPSH: 2 M; CAPACITY: 120 M3/HR; TOTAL HEAD: 16 M; SIZE: 100 X 25 MM; SPEED: 1950 RPM; STAGE: 1; DRIVER: ELECTRIC MOTOR 18.5 KW 180L; TYPE: SLURRY; FIG NO: I00009-01726244750201-MEDES-3007; REFERENCE NO: 14-10195 KKS-00HTK61AP001K P01 00HTK62AP001K P01 00HTK63AP001K P01;			
2.33.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	12.00	
2.34	620323	PUMP, CENTRIFUGAL: NPSH: 0 M; CAPACITY: 25200 LPH; TOTAL HEAD: 25 M; SIZE: 165 X 25 MM; SPEED: 2684 RPM; STAGE: 1; DRIVER: MOTOR; TYPE: SLURRY; FIG NO:I00009-01726244750202-MEDES-3008; REFERENCE NO: AH400227, KKS-00HTN41AP051,00HTN42AP051,00HTN43AP051,00HTN44AP051			
2.34.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	16.00	
2.35	620324	PUMP, CENTRIFUGAL: NPSH: 3.5 M; CAPACITY: 169 M3/HR; TOTAL HEAD: 28 M; SIZE: 100 MM; SPEED: 1475 RPM; STAGE-SUBMERSIBLE, SLURRY; MOUNT: VERTICAL; MODEL 1; DRIVER: ELECTRIC MOTOR; TYPE: NO: HS-5150.300MT KKS-00HTN41AP071 / 00HTN42AP071 /00HTN43AP071// 00HTN44AP071			
2.35.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	16.00	
2.36	635556	PUMP, CENTRIFUGAL: NPSH: 9 M; CAPACITY: 12800 M3/HR; TOTAL HEAD: 22.1 M; SIZE: 900 X 900 MM; SPEED: 440.9 RPM; STAGE: 1; DRIVER: ELECTRIC MOTOR; TYPE: SLURRY; SPECIFICATION: KWPKC 900- 1138 KKS-10-10-60HTQ69AP001 60HTQ70AP001			
2.36.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	30.00	
2.37	644330	PUMP, CENTRIFUGAL: NPSH: 2 M; CAPACITY: 300 M3/HR; TOTAL HEAD: 20.4 M; SIZE: 200 X 150 MM; SPEED: 1465 RPM; STAGE: 1; DRIVER: ELECTRIC MOTOR; SPECIFICATION: 150-315; MOUNT: HORIZONTAL; REFERENCE NO: 396.111/2			
2.37.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	5.00	
2.38	644331	PUMP, CENTRIFUGAL: NPSH: 2.17 M; CAPACITY: 230.06 M3/HR; TOTAL HEAD: 26.3 M; SIZE: 200 X 150 MM; SPEED: 1482 RPM; STAGE: 1; DRIVER: ELECTRIC MOTOR; SPECIFICATION: MCP200-150 315VD; MOUNT: HORIZONTAL; REFERENCE NO: 9972457229/200			
2.38.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	5.00	
2.39	654458	PUMP, CENTRIFUGAL: SIZE: 125 X 100 MM; STAGE: 1; CAPACITY: 171.7 M3/HR; TOTAL HEAD: 78.5 M; NPSH: 5.62 M; SPEED: 2960 RPM; DRIVER: ELECTRIC MOTOR; SPECIFICATION: 125-100-250; MOUNT: HORIZONTAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
2.39.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	8.00	
2.40	654460	PUMP, CENTRIFUGAL: SIZE: 125 X 100 MM; STAGE: 1; CAPACITY: 171.7 M3/HR; TOTAL HEAD: 78.5 M; NPSH: 5.62 M; SPEED: 2960 RPM; DRIVER: ELECTRIC MOTOR; SPECIFICATION: 125-100-250; MOUNT: HORIZONTAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
2.40.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	8.00	
2.41	654462	PUMP, CENTRIFUGAL: SIZE: 125 X 100 MM; STAGE: 1; CAPACITY: 171.7 M3/HR; TOTAL HEAD: 78.5 M; NPSH: 5.62 M; SPEED: 2960 RPM; DRIVER: ELECTRIC MOTOR; SPECIFICATION: 125-100-250; MOUNT: HORIZONTAL; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).			
2.41.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	8.00	

2.42	647711	PUMP, ROTARY: TYPE: SCREW; PORT SIZE: 90 X 45 MM; CAPACITY: 76 LPM; SPEED: 970 RPM; RATING: 1.6 MPA; DRIVER: MOTOR; APPLICATION: FGD BALL MILL BEARING LUBRICATION; PART NO: L3MF45/90- IFOKOSO-W/90, VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
2.42.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	8.00		
2.43	645956	PUMP, ROTARY: TYPE: GREASE; PORT SIZE: 1/4 X 1/4 IN; CAPACITY: 80 M3/MIN; SPEED: 2.8 STR/MIN; RATING: 7500 PS; DRIVER: AIR MOTOR; APPLICATION: FGD BALL MILL GIRTH GREASING SYSTEM; AIR OPERATED CHASSIS PUMP SERIES J-82054; MODEL NO: 082054; SERIAL NO: 007097; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
2.43.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	8.00		
2.44	620968	PUMP, ROTARY: TYPE: SCREW; PORT SIZE: 70 X 45 MM; CAPACITY: 90 LPM; SPEED: 1470 RPM; RATING: 1000 KPA; DRIVER: MOTOR; APPLICATION: FGD BALL MILL BEARING LUBRICATION; PART NO: L3MF45/70IFOKSO-W/70,VENDORSARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
2.44.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	15.00		
2.45	620970	PUMP: TYPE: PISTOL; SIZE: 1/2 IN; CAPACITY: 4 X 2.08 LPM; SPEED: 1470 RPM; RATING: 300 KPA; APPLICATION: FGD BALL MILL BEARING LUBRICATION SKID; PART NO: R2.08.2.08.2.08.2.08; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). Type: LS 200-500 S2VL1 20004				
2.45.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	5.00		
2.46	620322	PUMP, CENTRIFUGAL: TYPE: DRAINAGE; SIZE: 250 X 200 MM; STAGE: 1; CAPACITY: 720 M3/HR; TOTAL HEAD: 66 M; NPSH: 4.5 M; SPEED: 1485 RPM; DRIVER: ELECTRIC MOTOR; SPECIFICATION: ISO 5199/EN 25199; MOUNT: HORIZONTAL; SHAFT DIAMETER: 55 MM; APPLICATION: STATION DIRTY DRAINS RECOVERY PUMPS; SUPPLY DATA SHEET ON DELIVERY; GENERAL ARRANGEMENT DRAWING; OPERATING AND MAINTENANCE MANUAL; FOR DESIGN AND DRAWING REFER TO ESKOM DOCUMENT NUMBER: 203-9631; MODEL NO: LS-200- 500-S2VL1-20004; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). Type: LN 125-80-250 S1VV1 7502				
2.46.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	5.00		
2.47	620323	PUMP, CENTRIFUGAL: TYPE: MAKE UP; SIZE: 200 X 150 MM; STAGE: 1; CAPACITY: 492 M3/HR; TOTAL HEAD: 67 M; NPSH: 4.3 M; SPEED: 1489 RPM; DRIVER: ELECTRIC MOTOR; SPECIFICATION: ISO 5199/EN 25199; MOUNT: HORIZONTAL; SHAFT DIAMETER: 55 MM; APPLICATION: FLUE GAS DESULPHURIZATION RECYCLE WATER; SUPPLY DATA SHEET ON DELIVERY; GENERAL ARRANGEMENT DRAWING; OPERATING AND MAINTENANCE MANUAL; DRAWING NO: 0.90/37280; MODEL NO: LS-150-500S1VL1-16004; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). KKS:00GME21AP001, 00GME22AP001, type: HS5150.300 MT				
2.47.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	8.00		
2.48	620314	PUMP, CENTRIFUGAL: SIZE: 125 X 80 MM; STAGE: 1; CAPACITY: 135 M3/HR; TOTAL HEAD: 90 M; NPSH: 3.4 M; SPEED: 2970 RPM; DRIVER: ELECTRIC MOTOR; SPECIFICATION: ISO 5199/EN 25199; MOUNT: HORIZONTAL; APPLICATION: FLY ASH CONDITIONING WATER SUPPLY; SUPPLY DATA SHEET ON DELIVERY; GENERAL ARRANGEMENT DRAWING; OPERATING AND MAINTENANCE MANUAL; DESIGN AND DRAWINGS REFER TO ESKOM DOCUMENT NUMBER: 203-9618; DRAWING NO: 0.90/37310; MODEL NO: LSN- 125-80-S1VV1-7502; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
2.48.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	5.00		
2.49	620324	PUMP, CENTRIFUGAL: SIZE: 50 X 32 MM; STAGE: 1; CAPACITY: 15 M3/HR; TOTAL HEAD: 70 M; NPSH: 1.1 M; SPEED: 2935 RPM; DRIVER: ELECTRIC MOTOR; MOUNT: VERTICAL; SHAFT DIAMETER: 42 MM; APPLICATION: COARSE CONVEYOR ASH WATER SUPPLY; MODEL NO: LSN50-32-250-S1VL11102; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
2.49.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	5.00		
2.50	620120	PUMP, CENTRIFUGAL: TYPE: SUBMERSIBLE SLURRY; SIZE: 100 MM; STAGE: 1; CAPACITY: 169 M3/HR; TOTAL HEAD: 28 M; NPSH: 3.5 M; SPEED: 1475 RPM; DRIVER: ELECTRIC MOTOR; MOUNT: VERTICAL; MODEL NO: HS-5150.300MT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
2.50.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	10.00		
2.51	620430	PUMP, CENTRIFUGAL: TYPE: SUBMERSIBLE SLURRY; SIZE: 150 MM; STAGE: 1; CAPACITY: 169 M3/HR; TOTAL HEAD: 39 M; NPSH: 3.6 M; SPEED: 1457 RPM; DRIVER: ELECTRIC MOTOR; MOUNT: VERTICAL; MODEL NO: HS-5150.350MT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).				
2.51.1		Refurbishment (Collect, Clean and Strip, Assess and Inspect, Scope of Repairs, QCP, Repair, Test, Transport Back to Site)	Sum	10.00		
Total Item 2 (Refurbishment of Pumps) Carried to Final Summary						
ITEM 1		FINAL SUMMARY				
ITEM 2		PRELIMINARIES AND GENERAL				
		REFURBISHMENT OF PUMPS				
Final Summary Total (Excl VAT)						