

CATEGORY 2: DRIVES & PUMPS SPARES

APPENDIX A: SCHEDULE A AND B (FOR SPARES AT LETHABO POWER STATION)

NOTE 1: VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE).

NOTE 2: CONTRACTOR TO ENSURE THAT DETAILS AND MANUFACTURE REQUIREMENTS FOR EACH SPARE ITEM ARE DISCUSSED WITH ESKOM ENGINEERING PRIOR TO MANUFACTURE AND/OR DELIVERY.

NOTE 3: CONTRACTOR TO PROVIDE LEAD TIMES FOR DELIVERY FOR EACH ITEM AND THE MINIMUM ORDER QUANTITIES REQUIRED FOR DELIVERY EACH ITEM.

MATERIAL NAME : GEARBOX		
MATERIAL NUMBER : 0025320		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	REDUCTION	
CONFIGURATION	REJECT FEEDER 31/39 GEAR	

MATERIAL NAME : HELICAL GEAR		
MATERIAL NUMBER : 0027362		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TEETH	100	
BORE	44MM	
FACE WIDTH	30MM	
MATERIAL	BRASS	

MATERIAL NAME : GEARBOX		
MATERIAL NUMBER : 0638561		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	SECOND REDUCTION	
RATIO	13.4:1	
SPEED	1400/105 RPM	
POWER	0.171 KW	
ROTATIONDIRECTION	BIDIRECTIONAL	
INPUT SHAFT DIAMETER	11MM HOLLOW	
OUTPUT SHAFT DIA	20MM	

MATERIAL NAME : GEARBOX		
MATERIAL NUMBER : 0176926		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	DOUBLE HELICAL SINGLE REDUCTION	
RATIO	6.200:1	
SPEED	992/160 RPM	
POWER	1550 KW	
SHAFT SIZE	160/270 MM	
REFERENCE NO.	810CRS	

MATERIAL NAME : GEARBOX		
MATERIAL NUMBER : 0177013		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	SPEED REDUCER	
RATIO	64:1	
SPEED	I/P 1420 RPM	
POWER	3 KW	

MATERIAL NAME : GEARBOX		
MATERIAL NUMBER : 027507		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	REDUCTION	
RATIO	1235:1	
SPEED	I/P 1139 RPM	
POWER	0.18 KW	
REFERENCE NO.	HP 0.25/12.36; TYPE BONIFIGIOLI BOLOGNA ITALY WVF 130.14	

MATERIAL NAME : GEARBOX		
MATERIAL NUMBER : 0752955		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	SPEED REDUCER	
RATIO	52:1	
SPEED	16 RPM	
POWER	0.37 KW	
SUPPL P/N	GT100.3	

MATERIAL NAME : HALF COUPLING SHAFT		
MATERIAL NUMBER : 0025678		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	FLEXIBLE DRIVE	
BORE	93MM	
OUTSIDE DIAMETER	115MM	
LENGTH	125MM	
MATERIAL	STEEL	

MATERIAL NAME : SHAFT HALF COUPLING		
MATERIAL NUMBER : 0037796		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	RIGID	
BORE	50MM	
OUTSIDE DIAMETER	220MM	
LENGTH	40MM	
MATERIAL	CAST IRON	

MATERIAL NAME : BUSHING		
MATERIAL NUMBER : 0037798		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
APPLICATION	COUPLING STUD	
INNER DIAMETER	22.26MM	
OUTER DIAMETER	32MM	
LENGTH	41.5MM	
MATERIAL	BRS/RUBBER	

MATERIAL NAME : HALF COUPLING SHAFT		
MATERIAL NUMBER : 0037805		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	RIGID DRIVE	
BORE	35MM	
OUTSIDE DIAMETER	145MM	
LENGTH	50MM	
MATERIAL	STEEL	

MATERIAL NAME : SPIDER COUPLING		
MATERIAL NUMBER : 0038858		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
APPLICATION	NORMEX COUPLING 67	
TYPE	FLEXIBLE	
INSIDE DIAMETER	43MM	
OUTSIDE DIAMETER	45MM	
THICKNESS	16.4MM	
MATERIAL	RUBBER	

MATERIAL NAME : COUPLING		
MATERIAL NUMBER : 0585645		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	GRID SPRING RESILIENT	
OUTSIDE DIAMETER	355.6MM	
CONNECTION 1	KEYWAY	
CONNECTION 2	KEYWAY	
MATERIAL	EN9 NORMINALISED	

MATERIAL NAME : FLEXIBLE COUPLING INSERT		
MATERIAL NUMBER : 0600339		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	MILL MOTOR	
WIDTH	17MM	
LENGTH	30MM	
HEIGHT	25MM	
MATERIAL	RUBBER	

MATERIAL NAME : FLEXIBLE SHAFT COUPLING		
MATERIAL NUMBER : 0553374		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
APPLICATION	LUBE OIL PUMP	
BORE DIAMETER	11/22MM	
TORQUE	24.48NM	
SPEED	1430 RPM	
MATERIAL	RUBBER	
MANUF P/N	COUR1-S04	
RUBBER INSERT	WD16MM X OD 45MM	

MATERIAL NAME : FLEXIBLE SHAFT COUPLING		
MATERIAL NUMBER : 0553373		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
APPLICATION	HP LUBE OIL PUMP	
BORE DIAMETER	24MM	
TORQUE	24.48NM	
SPEED	1430 RPM	
MATERIAL	ALLUMINIUM	
MANUF P/N	COUGE 241	
LENGTH	89.3MM	
MOTOR SHAFT SIZE	24MM	
KEYWAY WIDTH	8MM	
COUPLING OD	45MM	
PUMP HALF COUPLING SIZE	9.7MM (TAPER 1:8)	
PUMP KEYWAY WIDTH	2.4MM	

MATERIAL NAME : FLEXIBLE SHAFT COUPLING		
MATERIAL NUMBER : 0553371		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
APPLICATION	LP LUBE OIL PUMP	
BORE DIAMETER	24MM	
TORQUE	24.48NM	
SPEED	1430 RPM	
MATERIAL	ALLUMINIUM	
MANUF P/N	COUGE 242	
LENGTH	88.5MM	
MOTOR SHAFT SIZE	24MM	
KEYWAY WIDTH	3.2MM TO 4MM	
COUPLING OD	45MM	
PUMP HALF COUPLING SIZE	17.36MM (TAPER 1:8)	
PUMP KEYWAY WIDTH	2.4MM	

MATERIAL NAME : FLEXIBLE SHAFT COUPLING		
MATERIAL NUMBER : 0553371		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
APPLICATION	LP LUBE OIL PUMP	
BORE DIAMETER	24MM	
TORQUE	24.48NM	
SPEED	1430 RPM	
MATERIAL	ALLUMINIUM	
MANUF P/N	COUGE 242	
LENGTH	88.5MM	
MOTOR SHAFT SIZE	24MM	
KEYWAY WIDTH	3.2MM TO 4MM	
COUPLING OD	45MM	
PUMP HALF COUPLING SIZE	17.36MM (TAPER 1:8)	
PUMP KEYWAY WIDTH	2.4MM	

MATERIAL NAME : SPRING		
MATERIAL NUMBER : 0110361		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	GRID	
DIMENSIONS	WD 275MM X LG 460MM	
APPLICATION	FALK COUPLING TYPE 1210T	
MATERIAL	STEEL	

MATERIAL NAME : SPRING		
MATERIAL NUMBER : 0098650		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	COUPLING	
DIMENSIONS	WD 57MM X LG 160MM	
APPLICATION	70/1070T STEELFLEX	
MATERIAL	STEEL	

MATERIAL NAME : COVER		
MATERIAL NUMBER : 0098651		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	FALK COUPLING	
DIMENSIONS	ID 90MM X OD 160MM X WD 95MM	
MATERIAL	ALLUMINIUM	

MATERIAL NAME : ROTARY PUMP		
MATERIAL NUMBER : 0044933		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	GEAR	
PORT SIZE	10MM	
CAPACITY	26 L/MIN	
SPEED	1000 RPM	
RATING	25 MPA	

MATERIAL NAME : PUMP KIT		
MATERIAL NUMBER : 0045186		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	GEAR	
COMPRISING	i) DRIVEN SHAFT ii) ROTOR iii) RALOID iv) TYPE 5H ON MILL GEARBOXES	

MATERIAL NAME : RECIPROCATING PUMP		
MATERIAL NUMBER : 0623661		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	AIR OPERATED PISTON	
SIZE	¼ X ¾ IN	
STYLE	ONE	
CAPACITY	1500 GAL/MIN	
SPEED	1400 RPM	
RATING	400 BAR	

MATERIAL NAME : ROTARY PUMP		
MATERIAL NUMBER : 0177509		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	GEAR	
PORT SIZE	55MM	
CAPACITY	1.76 L/MIN	

MATERIAL NAME : SEAL AIF FAN IMPELLER AND ASSEMBLY		
MATERIAL NUMBER : 761074		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	BACKWARD CURVED	
DIMENSIONS	OD 1085 X THK 8 MM	
VOLUME RATING	2650000 CM3/S	
MATERIAL	MILD STEEL	
BLADE QUANTITY	10	
IMPELLER SPEED	2960R/MIN	
DISCHARGE PRESSURE	17.7KPA	
POWER ABSORBED	64KW	
BEARING BOX DETAILS	TYPE M SIZE 80MM DE BEARING NU316 ROLLER NDE BEARING 6 316 DBG	

MATERIAL NAME : SPROCKET		
MATERIAL NUMBER : 37847		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TEETH	8	
OUTSIDE DIAMETER	95MM	
BORE	31.8MM	
PITCH	35MM	
ROOT DIAMETER	60MM	
MATERIAL	STEEL	