

CATEGORY 1: CONSUMABLE 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 : BALL BEARING		
MATERIAL NUMBER : 0029817		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	DEEP GROOVE	
STYLE	DOUBLE SEAL	
INSIDE DIAMETER	20MM	
OUTSIDE DIAMETER	42MM	
WIDTH	12MM	
ROW	SINGLE	

MATERIAL NAME : BALL BEARING		
MATERIAL NUMBER : 0030001		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	DEEP GROOVE	
STYLE	OPEN	
INSIDE DIAMETER	75MM	
OUTSIDE DIAMETER	115MM	
WIDTH	20MM	
ROW	SINGLE	

MATERIAL NAME : ROLLER BEARING		
MATERIAL NUMBER : 0030017		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	CUP/CONE TAPER	
INSIDE DIAMETER	50MM	
OUTSIDE DIAMETER	80MM	
WIDTH	20MM	
ROW	SINGLE	

MATERIAL NAME : ROLLER BEARING		
MATERIAL NUMBER : 0030095		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	CYLINDRICAL	
INSIDE DIAMETER	80MM	
OUTSIDE DIAMETER	170MM	
WIDTH	39MM	
ROW	SINGLE	

MATERIAL NAME : BALL BEARING		
MATERIAL NUMBER : 0030183		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	ANGULAR CONTACT	
STYLE	DOUBLE SHIELD	
INSIDE DIAMETER	40MM	
OUTSIDE DIAMETER	90MM	
WIDTH	23MM	
ROW	SINGLE	

MATERIAL NAME : ROLLER BEARING		
MATERIAL NUMBER : 0030452		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	SELF ALIGNING	
INSIDE DIAMETER	90MM	
OUTSIDE DIAMETER	160MM	
WIDTH	40MM	
ROW	DOUBLE	
BORE SHAPE	TAPER	

MATERIAL NAME : BALL BEARING		
MATERIAL NUMBER : 0030624		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	DEEP GROOVE	
STYLE	DOUBLE SEAL	
INSIDE DIAMETER	25MM	
OUTSIDE DIAMETER	52MM	
ROW	SINGLE	

MATERIAL NAME : BALL BEARING		
MATERIAL NUMBER : 0030643		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	CONRAD	
STYLE	DOUBLE SEAL	
INSIDE DIAMETER	40MM	
OUTSIDE DIAMETER	68MM	
WIDTH	15MM	
ROW	SINGLE	

MATERIAL NAME : ADAPTOR SLEEVE		
MATERIAL NUMBER : 0031164		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	BEARING	
SHAFT SIZE	80MM	
LENGTH	55MM	
MATERIAL	STEEL	

MATERIAL NAME : BALL BEARING		
MATERIAL NUMBER : 0031539		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	DEEP GROOVE	
STYLE	DOUBLE SHIELD	
INSIDE DIAMETER	80MM	
OUTSIDE DIAMETER	170MM	
WIDTH	39MM	
ROW	SINGLE	

MATERIAL NAME : ROLLER BEARING		
MATERIAL NUMBER : 0031820		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	CUP/CONE TAPER	
INSIDE DIAMETER	35MM	
OUTSIDE DIAMETER	80MM	
WIDTH	33MM	
ROW	SINGLE	

MATERIAL NAME : BALL BEARING		
MATERIAL NUMBER : 0031886		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	CONRAD	
STYLE	DOUBLE SHIELD	
INSIDE DIAMETER	40MM	
OUTSIDE DIAMETER	68MM	
WIDTH	15MM	
ROW	SINGLE	

MATERIAL NAME : ROLLER BEARING		
MATERIAL NUMBER : 0032103		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	SELF ALIGNING SPHERICAL	
INSIDE DIAMETER	55MM	
OUTSIDE DIAMETER	85MM	
WIDTH	49.21MM	
ROW	SINGLE	

MATERIAL NAME : BALL BEARING		
MATERIAL NUMBER : 0032104		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	CONRAD	
STYLE	DOUBLE SHIELD	
INSIDE DIAMETER	44.45MM	
OUTSIDE DIAMETER	85MM	
WIDTH	49.21MM	
ROW	SINGLE	

MATERIAL NAME : BALL BEARING		
MATERIAL NUMBER : 0032106		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	SPHERICAL	
STYLE	DOUBLE SEAL	
INSIDE DIAMETER	19MM	
OUTSIDE DIAMETER	47MM	
WIDTH	34MM	
ROW	SINGLE	

MATERIAL NAME : BALL BEARING		
MATERIAL NUMBER : 0032700		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	ANGULAR CONTACT	
STYLE	DOUBLE SHIELD	
INSIDE DIAMETER	20MM	
OUTSIDE DIAMETER	47MM	
WIDTH	14MM	
ROW	SINGLE	

MATERIAL NAME : ASSEMBLY		
MATERIAL NUMBER : 0037843		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	BEARING/GATE ROLLER HUB	
APPLICATION	BUNKER OUTLET COAL SLIDE GATE	

MATERIAL NAME : BALL BEARING		
MATERIAL NUMBER : 0724315		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	DEEP GROOVE	
STYLE	2 RUBBER SEALS	
INSIDE DIAMETER	31.75MM	
OUTSIDE DIAMETER	63.5MM	
WIDTH	15.88MM	
ROW	SINGLE	
CAGE MATERIAL	STAINLESS STEEL	

MATERIAL NAME : BALL BEARING		
MATERIAL NUMBER : 0696062		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	DEEP GROOVE	
STYLE	OPEN	
INSIDE DIAMETER	70MM	
OUTSIDE DIAMETER	125MM	
WIDTH	24MM	
ROW	SINGLE	
CAGE MATERIAL	STAINLESS STEEL	

MATERIAL NAME : BALL BEARING		
MATERIAL NUMBER : 0686451		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	DEEP GROOVE	
STYLE	OPEN	
INSIDE DIAMETER	70MM	
OUTSIDE DIAMETER	110MM	
WIDTH	20MM	
ROW	SINGLE	
CAGE MATERIAL	STEEL	

MATERIAL NAME : BEARING		
MATERIAL NUMBER : 0554134		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	NON-DRIVE END	
INSIDE DIAMETER	140MM	
OUTSIDE DIAMETER	280MM	
WIDTH	125MM	
MATERIAL	WHITE METAL	

MATERIAL NAME : BEARING		
MATERIAL NUMBER : 0554133		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	DRIVE END	
INSIDE DIAMETER	140MM	
OUTSIDE DIAMETER	280MM	
WIDTH	125MM	
MATERIAL	WHITE METAL	

MATERIAL NAME : BEARING UNIT HOUSING		
MATERIAL NUMBER : 0553856		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	TS	
BORE	580MM	
BLOCK SIZE	700 X 241 MM	
BOLT MOUNTINGS	4	
MATERIAL	CAST IRON	
BOLT DIAMETER	68 X 50 MM	
SHAPE	RECTANGULAR	
SURFACE TREATMENT	PAINTED	

MATERIAL NAME : ROLLER BEARING		
MATERIAL NUMBER : 0246879		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	SELF ALIGNING	
INSIDE DIAMETER	340MM	
OUTSIDE DIAMETER	580MM	
WIDTH	190MM	
ROW	DOUBLE	

MATERIAL NAME : BEARING SLEEVE		
MATERIAL NUMBER : 0177163		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	INSERT	
INSIDE DIAMETER	1.987M	
OUTSIDE DIAMETER	2.437M	
LENGTH	455.7M	
MATERIAL	SABS 703-1971 GR WM6	

MATERIAL NAME : ASSEMBLY		
MATERIAL NUMBER : 37843		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	BEARING/ GATE ROLLER HUB	

MATERIAL NAME : SEAL		
MATERIAL NUMBER : 0101604		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	MILL TRUNNION	
DIMENSIONS	ID 1.53 X OD 1.9 M	
MATERIAL	5 LAYERS KLEVOTHERM; 1 LAYER K700 1 LAYER K700	

MATERIAL NAME : GASKET SHEET		
MATERIAL NUMBER : 0101868		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
THICKNESS	9.5MM	
WIDTH	1.82M	
MATERIAL	FELT WOOL	
COLOR	WHITE	
TYPE	2, NOT REPELLENT OR RETARDANT	

MATERIAL NAME : OIL SEAL		
MATERIAL NUMBER : 102191		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
INSIDE DIAMETER	50MM	
OUTSIDE DIAMETER	80MM	
WIDTH	8MM	
MATERIAL	RUBBER	
SEALING MEMBER	SINGLE LIP	
SPRING LOADED	YES	

MATERIAL NAME : OIL SEAL		
MATERIAL NUMBER : 0102219		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	GREASE	
INSIDE DIAMETER	31MM	
OUTSIDE DIAMETER	47.4MM	
WIDTH	11MM	
MATERIAL	RUBBER	
SEALING MEMBER	DOUBLE LIP	
SPRING LOADED	YES	

MATERIAL NAME : OIL SEAL		
MATERIAL NUMBER : 0094141		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
INSIDE DIAMETER	90MM	
OUTSIDE DIAMETER	110MM	
WIDTH	13MM	
MATERIAL	RUBBER	
SEALING MEMBER	SINGLE LIP	
SPRING LOADED	YES	

MATERIAL NAME : SHEET GASKET		
MATERIAL NUMBER : 0094320		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
THICKNESS	3MM	
LENGTH	1M	
WIDTH	1M	
MATERIAL	CORK/NEOPRENE	

MATERIAL NAME : O RING		
MATERIAL NUMBER : 0094656		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
INSIDE DIAMETER	29.74MM	
WIDTH	3.53MM	
MATERIAL	RUBBER SYNTHETIC	
INDUSTRY STANDARD	2-217	

MATERIAL NAME : O RING		
MATERIAL NUMBER : 0094659		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
INSIDE DIAMETER	40.87MM	
WIDTH	3.53MM	
MATERIAL	RUBBER SYNTHETIC	
INDUSTRY STANDARD	2-223	

MATERIAL NAME : O RING CORD		
MATERIAL NUMBER : 0098465		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
MATERIAL	NEOPRENE	
THICKNESS	16MM	

MATERIAL NAME : OIL SEAL		
MATERIAL NUMBER : 0097680		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	ENCASED	
INSIDE DIAMETER	80MM	
OUTSIDE DIAMETER	110MM	
WIDTH	10MM	
MATERIAL	VITON	
SEALING MEMBER	DOUBLE LIP	
SPRING LOADED	YES	

MATERIAL NAME : OIL SEAL		
MATERIAL NUMBER : 0097827		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	ENCASED	
INSIDE DIAMETER	80MM	
OUTSIDE DIAMETER	100MM	
WIDTH	10MM	
MATERIAL	VITON	
SEALING MEMBER	DOUBLE LIP	
SPRING LOADED	YES	

MATERIAL NAME : O RING		
MATERIAL NUMBER : 0097850		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
INSIDE DIAMETER	46MM	
WIDTH	3MM	
MATERIAL	VITON	
INDUSTRY STANDARD	2-225	

MATERIAL NAME : SEALING COMPOUND		
MATERIAL NUMBER : 0160233		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	GASKET	
COLOR	WHITE	
CONTAINER	TUBE PLASTIC 310ML	
MATERIAL	SILICON	

MATERIAL NAME : O RING CORD		
MATERIAL NUMBER : 0107073		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
MATERIAL	VITON	
THICKNESS	3MM	

MATERIAL NAME : LABYRINTH SEAL		
MATERIAL NUMBER : 0187789		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	MILLS	
DIMENSIONS	ID 320 X OD 355 X THK 42 MM	
MATERIAL	STL	

MATERIAL NAME : OIL SEAL		
MATERIAL NUMBER : 0099546		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
INSIDE DIAMETER	75MM	
OUTSIDE DIAMETER	100MM	
WIDTH	10MM	
MATERIAL	RUBBER NATURAL	
SEALING MEMBER	SINGLE LIP	
SPRING LOADED	YES	

MATERIAL NAME : SHEET GASKET		
MATERIAL NUMBER : 0211974		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
THICKNESS	3MM	
LENGTH	2M	
WIDTH	1.5M	
MATERIAL	GRAPHITE FLEXIBLE	

MATERIAL NAME : SHEET GASKET		
MATERIAL NUMBER : 0212001		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
THICKNESS	2MM	
LENGTH	2M	
WIDTH	1.5M	
MATERIAL	ARAMID FIBER NBR BONDED	

MATERIAL NAME : OIL SEAL		
MATERIAL NUMBER : 0219663		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	RING	
INSIDE DIAMETER	230MM	
OUTSIDE DIAMETER	250MM	
WIDTH	21MM	
MATERIAL	BRASS	

MATERIAL NAME : LABYRINTH SEAL		
MATERIAL NUMBER : 0219664		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	FLOATING	
DIMENSIONS	ID 160 X OD 190 X THK 26 MM	
MATERIAL	POLYAMIDIMIDE	
APPLICATION	MILL MOTOR BEARING RENK	

MATERIAL NAME : OIL SEAL		
MATERIAL NUMBER : 0219665		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	OIL	
INSIDE DIAMETER	230MM	
OUTSIDE DIAMETER	250MM	
WIDTH	21MM	
MATERIAL	BRASS	

MATERIAL NAME : O RING SET		
MATERIAL NUMBER : 0250669		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	LUBE OIL	
APPLICATION	MILL TRUNNION	
MATERIAL	VITON	

MATERIAL NAME : SEGMENT		
MATERIAL NUMBER : 0044940		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	MILL GIRTH GEAR GUARD SEAL	
DIMENSIONS	WD 35 X THK 10 X LG 685 MM	
MATERIAL	TEFLON	

MATERIAL NAME : KIT		
MATERIAL NUMBER : 0098649		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	SEAL	
APPLICATION	STEELFLEX COUPLING	

MATERIAL NAME : LUBRICATOR		
MATERIAL NUMBER : 0068198		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	GREASE	
CONNECTION	¼ IN BSP	
CAPACITY	2.56 G	
MATERIAL	STL	
PRESSURE RATING	MAX 50 MPA	

MATERIAL NAME : FINGER		
MATERIAL NUMBER : 0037761		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	MILL SEAL TENSION	
DIMENSIONS	WD 665 X THK 2 MM	
MATERIAL	STL	

MATERIAL NAME : LUBRICATOR		
MATERIAL NUMBER : 0609537		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	AIR	
CONNECTION	BSP ¾ IN	
CAPACITY	130 CM3	
MATERIAL	IRON	
PRESSURE RATING	0.05 – 1 MPA	
FLOW RATING	6300 L/MIN	
TEMPERATURE RANGE	0-60 DEG C	

MATERIAL NAME : LUBRICATOR		
MATERIAL NUMBER : 0184208		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
DRAWING NO.	HOWDEN LAGD 125/WA2 REV1	
APPLICATION	BOILER 1-5 AND 8-10 SEAL AIR FANS	
REQUIREMENTS	CHEMICALS TO BE SUPPLIED WITH MSDS AND SECTION 12 WITH EVERY DELIVERY INDICATING THE FOLLOWING: <ul style="list-style-type: none"> i) SHELF LIFE ii) DATE OF MANUFACTURE iii) METHOD OF MANUFACTURE 	

MATERIAL NAME : INDUSTRIAL GREASE		
MATERIAL NUMBER : 0025697		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	COUPLING	
CONTAINER	CAN 400G	
APPLICATION	FALK COUPLINGS	

MATERIAL NAME : CAP SCREW		
MATERIAL NUMBER : 0080760		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
DIAMETER	M6	
LENGTH	25MM	
THREAD	1MM	
HEAD	SOCKET HEX	
MATERIAL	HTS	
GRADE	12.9	
SPECIFICATIONS	BS 4168 -1981	

MATERIAL NAME : CAP SCREW		
MATERIAL NUMBER : 0080770		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
DIAMETER	M10	
LENGTH	50MM	
THREAD	1.5MM	
HEAD	SOCKET HEX	
MATERIAL	HTS	
GRADE	8.8	
SPECIFICATION	BS 4168 PART 1	

MATERIAL NAME : SCREW SET		
MATERIAL NUMBER : 0080829		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
NOMINAL THREAD DIAMETER	M10	
THREAD	1.5 MM	
THREAD LENGTH	10MM	
HEAD STYLE	SOCKET HEX	
MATERIAL	AS GR HIGH	
POINT STYLE	CUP	
SPECIFICATION	BS4168	

MATERIAL NAME : BOLT ASSEMBLY		
MATERIAL NUMBER : 0083585		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	GENERAL PURPOSE	
NOMINAL DIAMETER	M16	
LENGTH	40MM	
HEAD	HEX	
GRADE	4.6	
MATERIAL	MS	
THREAD LENGTH	25MM	
THREAD	2MM	
NUT QUANTITY	1	
NUT MATERIAL	MS	
BOLT PROTECTIVE COAT	BLACK	
SPECIFICATIONS	SABS 135	

MATERIAL NAME : BOLT ASSEMBLY		
MATERIAL NUMBER : 0083591		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	GENERAL PURPOSE	
NOMINAL DIAMETER	M12	
LENGTH	30MM	
HEAD	HEX	
GRADE	4.6	
MATERIAL	MS	
THREAD LENGTH	30MM	
THREAD	1.75MM	
NUT QUANTITY	1	
NUT MATERIAL	MS	
NUT GRADE	4.6	
BOLT PROTECTIVE COAT	BLACK	
SPECIFICATION	SABS 135	

MATERIAL NAME : BOLT ASSEMBLY		
MATERIAL NUMBER : 0083594		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	GENERAL PURPOSE	
NOMINAL DIAMETER	M10	
LENGTH	25MM	
HEAD	HEX	
GRADE	4.6	
MATERIAL	MS	
THREAD LENGTH	25MM	
THREAD	1.5 MM	
NUT QUANTITY	1	
NUT MATERIAL	MS	
NUT GRADE	4.6	
NUT PROTECTIVE COATING	BLACK	
SPECIFICATION	SABS 135: 1985	

MATERIAL NAME : BOLT ASSEMBLY		
MATERIAL NUMBER : 0083627		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
NOMINAL DIAMETER	M20	
LENGTH	90MM	
HEAD	HEX	
MATERIAL	MS	
THREAD	2.5MM	
NUT QUANTITY	1	
NUT PROTECTIVE COATING	BLACK	
SPECIFICATION	SABS 135 : 1985	

MATERIAL NAME : BOLT		
MATERIAL NUMBER : 0083662		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
DIAMETER	M12	
LENGTH	40MM	
HEAD	HEX	
GRADE	8.8	
MATERIAL	HTS	
THREAD	1.75 MM	
THREAD LENGTH	30MM	
SPECIFICATION	DIN 931	
PROTECTIVE COATING	BLACK, WITHOUT A NUT	

MATERIAL NAME : BOLT		
MATERIAL NUMBER : 0083693		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
DIAMETER	M10	
LENGTH	25MM	
HEAD	HEX	
GRADE	8.8	
MATERIAL	HTS	
THREAD	1.5 MM	
THREAD LENGTH	23MM	
SPECIFICATION	DIN 931	
PROTECTIVE COATING	BLACK	

MATERIAL NAME : BOLT ASSEMBLY		
MATERIAL NUMBER : 0084035		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	T	
NOMINAL DIAMETER	M20	
LENGTH	80MM	
HEAD	TAPERED RECT	
GRADE	A ASTM A307	
MATERIAL	MS ASTM A307	
THREAD LENGTH	30MM	
THREAD	2.5MM	
NUT QUANTITY	1	

MATERIAL NAME : BOLT ASSEMBLY		
MATERIAL NUMBER : 0084036		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	LINER	
NOMINAL DIAMETER	M20	
LENGTH	65MM	
HEAD	T	
GRADE	A	
MATERIAL	STEEL ASTM A307	
THREAD LENGTH	30MM	
THREAD	2.5MM	
NUT QUANTITY	1	

MATERIAL NAME : BOLT		
MATERIAL NUMBER : 0084263		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
DIAMETER	M20	
LENGTH	100MM	
HEAD	HEX	
GRADE	8.8	
MATERIAL	HTS	
THREAD	2.5 MM	

MATERIAL NAME : BOLT ASSEMBLY		
MATERIAL NUMBER : 0084564		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	GENERAL PURPOSE	
NOMINAL DIAMETER	M10	
LENGTH	65MM	
HEAD	HEX	
GRADE	4.6	
MATERIAL	MS	
BOLT PROTECTIVE COATING	BLACK	
SPECIFICATION	SABS 135	

MATERIAL NAME : BOLT ASSEMBLY		
MATERIAL NUMBER : 0084590		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	GENERAL PURPOSE	
NOMINAL DIAMETER	M16	
LENGTH	100MM	
HEAD	HEX	
GRADE	4.6	
MATERIAL	MS	
THREAD LENGTH	40MM	
THREAD	2MM	
NUT QUANTITY	1	
NUT MATERIAL	MS	
NUT GRADE	4.6	
BOLT PROTECTIVE COATING	BLACK	
SPECIFICATION	SABS 135	

MATERIAL NAME : WING NUT		
MATERIAL NUMBER : 0087447		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
DIAMETER	M16	
THREAD	2MM	
MATERIAL	STEEL	
WING SPREAD	74MM	
WING HEIGHT	32MM	

MATERIAL NAME : WASHER LOCK		
MATERIAL NUMBER : 0087512		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
INSIDE DIAMETER	8.6MM	
OUTSIDE DIAMETER	12.8MM	
THICKNESS	2MM	
NOMINAL SIZE	M8	
MATERIAL	SPRING STEEL	
TYPE	HELICAL SPRING	

MATERIAL NAME : WASHER LOCK		
MATERIAL NUMBER : 0087513		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
INSIDE DIAMETER	10.5MM	
OUTSIDE DIAMETER	15.5MM	
NOMINAL SIZE	M10	
MATERIAL	STEEL	
TYPE	SPRING	

MATERIAL NAME : WASHER LOCK		
MATERIAL NUMBER : 0087525		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
INSIDE DIAMETER	41MM	
OUTSIDE DIAMETER	56MM	
THICKNESS	8MM	
NOMINAL SIZE	39MM	
MATERIAL	STEEL	
TYPE	HELICAL SPRING	
GRADE	4.6	

MATERIAL NAME : FLAT WASHER		
MATERIAL NUMBER : 0087702		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
INSIDE DIAMETER	17MM	
OUTSIDE DIAMETER	35MM	
THICKNESS	3MM	
NOMINAL SIZE	M16	
MATERIAL	MS BLACK	

MATERIAL NAME : RETAINER		
MATERIAL NUMBER : 0089034		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	SEALING WASHER	
DIMENSIONS	ID 38 X OD 75 X THK 12MM	
MATERIAL	MS	

MATERIAL NAME : RETAINER		
MATERIAL NUMBER : 0089325		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	SEAL	
DIMENSIONS	ID 37 X OD 49 X THK 13 MM	
MATERIAL	RUBBER	

MATERIAL NAME : SEALING WASHER		
MATERIAL NUMBER : 0089466		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
NOMINAL SIZE	M20	
INSIDE DIAMETER	20MM	
OUTSIDE DIAMETER	38MM	
THICKNESS	5MM	
MATERIAL	STEEL	

MATERIAL NAME : SCREW		
MATERIAL NUMBER : 0037799		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
DIAMETER	M20	
LENGTH	568MM	
THREAD	2.5MM	
HEAD	HEX	
MATERIAL	SS GR 316	
GRADE	8.8	

MATERIAL NAME : SCREW		
MATERIAL NUMBER : 0037811		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
DIAMETER	M20	
LENGTH	348MM	
THREAD	2.5MM	
HEAD	HEX	
MATERIAL	STAINLESS STEEL	
THREAD LENGTH	249MM	

MATERIAL NAME : SHIM		
MATERIAL NUMBER : 0162844		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
THICKNESS	0.5MM	
DIMENSIONS	WD 150 MM	
MATERIAL	BRS TEMPERED	

MATERIAL NAME : SHIM		
MATERIAL NUMBER : 0162851		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
THICKNESS	0.05MM	
DIMENSIONS	WD 305 X LG 450 MM	
MATERIAL	SS GR 304	

MATERIAL NAME : SHIM		
MATERIAL NUMBER : 0162852		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
THICKNESS	0.25MM	
DIMENSIONS	WD 305 X LG 450 MM	
MATERIAL	SS GR 304	

MATERIAL NAME : SHIM		
MATERIAL NUMBER : 0162853		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
THICKNESS	0.2MM	
DIMENSIONS	WD 305 X LG 450 MM	
MATERIAL	SS GR 304	

MATERIAL NAME : SHIM		
MATERIAL NUMBER : 0162854		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
THICKNESS	0.15MM	
DIMENSIONS	WD 305 X LG 450 MM	
MATERIAL	SS GR 304	

MATERIAL NAME : SHIM		
MATERIAL NUMBER : 0162855		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
THICKNESS	0.1MM	
DIMENSIONS	WD 305 X LG 450 MM	
MATERIAL	SS GR 304	

MATERIAL NAME : SHIM		
MATERIAL NUMBER : 0162857		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
THICKNESS	0.5MM	
DIMENSIONS	WD 340 X LG 450 MM	
MATERIAL	SS GR 304	

MATERIAL NAME : SHIM		
MATERIAL NUMBER : 0162856		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
THICKNESS	0.3MM	
DIMENSIONS	WD 340 X LG 450 MM	
MATERIAL	SS GR 304	

MATERIAL NAME : DIAPHRAGM VALVE		
MATERIAL NUMBER : 0066499		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
DIMENSIONS	DIA 300 X THK 12 MM	
MATERIAL	RUBBER	
VALVE SIZE	150MM	

MATERIAL NAME : GATE VALVE		
MATERIAL NUMBER : 0632357		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	VERTICAL FLOW	
VALVE SIZE	405.5 X 381 MM	
DESIGN PRESSURE	350 KPA	
DESIGN TEMPERATURE	70 DEG C	
CONNECTION	FLANGE	
FACE TO FACE LENGTH	813 MM	
BODY MATERIAL	CS Q235B	
TRIM	ASTM A36	
OPERATED	CHAIN HANDWHEEL MANUAL	
INLET FLANGE OD	597MM	
OUTLET FLANGE OD	540MM	

MATERIAL NAME : DIAPHRAGM VALVE		
MATERIAL NUMBER : 0066583		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	ACID DRAIN LEAKING	
VALVE SIZE	25MM	
DESIGN RATING	16 BAR	
TEMPERATURE RATING	-10 TO 85 DEG C	
CONNECTION	FLANGE	
BODY MATERIAL	CI/STL	
DIAPHRAGM MATERIAL	RUBBER GR Q	
FACE TO FACE LENGTH	96MM	
OPERATED	HANDWHEEL	
STYLE	WEIR	

MATERIAL NAME : BALL VALVE		
MATERIAL NUMBER : 0067112		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
VALVE SIZE	50MM	
DESIGN RATING	1000 KPA	
TEMPERATURE RATING	180 DEG C	
CONNECTION	THD	
BODY MATERIAL	SS CF8M	
FACE TO FACE LENGTH	100MM	
OPERATED	LEVER	
STYLE	2 WAY	
TRIM	BALL SS GR 316	
SOFT GOODS	SEALS PTFE	
GRADE	CF8M	

MATERIAL NAME : PIPE COUPLER		
MATERIAL NUMBER : 0057093		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	QUICK RELEASE	
SIZE	½ IN	
CONNECTION	FNPT X QUICK DISCONNECT	
MATERIAL	STL CD PLTD	

MATERIAL NAME : PIPE COUPLER		
MATERIAL NUMBER : 0057092		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	QUICK RELEASE	
SIZE	½ IN	
CONNECTION	FNPT X QUICK DISCONNECT	
MATERIAL	STL CD PLTD	

MATERIAL NAME : PIPE PLUG		
MATERIAL NUMBER : 0057138		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
SIZE	50MM	
HEAD	SQ	
CONNECTION	NPT	
MATERIAL	STL	
SPECIFICATION	BS S1740	

MATERIAL NAME : PIPE REDUCER		
MATERIAL NUMBER : 0057169		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	CONCENTRIC	
NOMINAL SIZE	40 X 25 MM	
CONNECTION	NPT	
MATERIAL	STL	
GRADE	WPD	
SPECIFICATION	BS 1740-1965	

MATERIAL NAME : PIPE ADAPTOR		
MATERIAL NUMBER : 0057190		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
INLET SIZE	15MM	
INLET CONNECTION	BSP	
OUTLET SIZE	10MM	
OUTLET CONNECTION	FBSP	
MATERIAL	MI	
SPECIFIATION	SABS 509/55	

MATERIAL NAME : PIPE NIPPLE		
MATERIAL NUMBER : 0057346		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	BARREL	
INSIDE DIAMETER	10MM	
LENGTH	38MM	
CONNECTION	THD	
MATERIAL	STL	
RATING	4830 KPA	
SPECIFICATION	SABS 62-1971	

MATERIAL NAME : HOSE CLAMP		
MATERIAL NUMBER : 0059205		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
INSIDE DIAMETER	38-17MM	
MATERIAL	STAINLESS STEEL	
FASTENING TYPE DEVICE	WORM	

MATERIAL NAME : NIPPLE PIPE		
MATERIAL NUMBER : 0000666		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	BARREL	
INSIDE DIAMETER	15MM	
LENGTH	51MM	
CONNECTION	THD	
MATERIAL	STL GALV	
RATING	4830 KPA	
SPECIFICATION	SABS 763	

MATERIAL NAME : HOSE ASSEMBLY		
MATERIAL NUMBER : 0056345		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
HOSE SIZE	¾ IN	
LENGTH	30M	
CONNECTION 1	PLAIN	
CONNECTION 2	PLAIN	
CORE MATERIAL	PVC	
REINFORCING MATERIAL	NYLON	
TYPE	WATER; GARDEN	
COLOR	BLACK	

MATERIAL NAME : REGULATOR		
MATERIAL NUMBER : 0609536		
TENDERER TO PLEASE COMPLETE SCHEDULE B		
CRITERIA	REQUIREMENT (SCHEDULE A)	SCHEDULE B
TYPE	FILTER	
RATING	50-850 KPA	
CONNECTION	BSP ¾ IN	
RATED FLOW	4000 L/MIN	
FILTRATION RATING	5-40 MICRO-METER	
GAUGE PORT SIZE	¼ INCH	