



Proforma for Substation Conventional Clamps

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Scheme	
Project	Mookodi 1st 500MVA Transformer
Substation	MOOKODI
Grid	Northern
Project WBS	N.ETMOOKO.D.NW.INT.TE.SU
Date	Tuesday, 02 May 2023
Revision Number	1
Eskom Reference Documents: 240-53113927	

D6002 EX: BOLTED/BOLTED CROSS CLAMP

	Type	SAP #	Description	Note	QTY
1	EX-A	0401786	CLAMP:EX-A;BOLT/BOLT; STEM 26 COND 16.3		3
2	EX-B	0401584	CLAMP:EX-B;BOLT/BOLT; STEM 26 COND 26.5		6
4	EX-D	0401740	CLAMP:EX-D;BOLT/BOLT; STEM 38 COND 26.5		18
5	EX-E	0401635	CLAMP:EX-E;BOLT/BOLT; STEM 38 COND 38.3		12

D6010 ETC: BOLTED/COMPRESSION T CLAMP

	Type	SAP #	Description	Note	QTY
42	ETC-J	0401768	CLAMP:ETC-J;T/COMP;38.3 MM;26.5 MM	Angle: 0 deg	3
43	ETC-K	0401756	CLAMP:ETC-K;T/COMP;38.3 MM;38.3 MM	Angle: 0 deg	183

D6022 EY: BOLTED/BOLTED Y CLAMP (150mm SEPARATION)

	Type	SAP #	Description	Note	QTY
66	EY-D	0005629	CLAMP:EY-D;Y/BOLT;2X38.3 MM;STEM 38 MM	Angle: 90 deg	3

D6013 EYC: BOLTED/COMPRESSION Y CLAMP (150mm SEPARATION)

	Type	SAP #	Description	Note	QTY
76	EYC-D	0401750	CLAMP:EYC-D;2X38.3 COMP 38 BOLTED 45DG	Angle: 45 deg	6
80	EYC-H	0005671	CLAMP:EYC-H;2X38.3 COMP 60 BOLTED 45DG	Angle: 45 deg	18
88	EYC-R	0400426	CLAMP:EYC-R;COMP/PALM ODG;2X38.3 MM	Angle: 0 deg 8 Hole Pad	6
89	EYC-S	0401802	CLAMP:EYC-S;COMP/PALM 45DG;2X38.3 MM	Angle: 45 deg 8 Hole Pad	39
90	EYC-T	0005705	CLAMP:EYC-T;COMP/PALM 90DG;2X38.3 MM	Angle: 90 deg 8 Hole Pad	21

D6008 EYC3: COMPRESSION TRIPLE CONDUCTOR Y CLAMP (165mm SEPARATION)

	Type	SAP #	Description	Note	QTY
108	EYC3-G	0005155	CLAMP:EYC3-G;3X38.3 COMP/8H PAD; 0DG	Angle: 0 deg 8 Hole Pad	18
109	EYC3-H	0005677	CLAMP:EYC3-H;3X38.3 COMP/8H PAD; 45DG	Angle: 45 deg 8 Hole Pad	36
110	EYC3-J	0005678	CLAMP:EYC3-J;3X38.3 COMP/8H PAD; 90DG	Angle: 90 deg 8 Hole Pad	18

D6087 ES: NON-CURRENT CARRYING CONDUCTOR SPACER

	Type	SAP #	Description	Note	QTY
129	ES-B	0402559	SPACER:ES-B;COND 2X38.3MM;150MM CRS		457
132	ES-E	0011491	SPACER:ES-E;COND 3X38.3MM;165MM CRS		276

EXCP2: POST INSULATOR MOUNTED TWIN CONDUCTOR SUPPORT CLAMP (150mm SEPARATION)

	Type	SAP #	Description	Note	QTY
158	EXCP2-D	0401669	CLAMP:EXCP2-D;PI-MOUNT;2X38.3 MM;PCD127		26

EXCP3: POST INSULATOR MOUNTED TRIPLE CONDUCTOR SUPPORT CLAMP (165mm SEPARATION)

	Type	SAP #	Description	Note	QTY
162	EXCP3-C	Non Buyers' Guide	CLAMP;EXCP3-C;3X26.5;PI-MOUNT;PCD225		20

D6012 EYCDT: DOUBLE TWISTED Y COMPRESSION ON EIGHT HOLE PAD (150mm SEPARATION)

	Type	SAP #	Description	Note	QTY
169	EYCDT-B	0655847	CLAMP:EYCDT-B;45DG COMP/8H PAD;4X38.3 MM		6

D6014 ECJW:CONDUCTOR JUMPER WEIGHT

	Type	SAP #	Description	Note	QTY
174	ECJW-A	011434	WEIGHT:ECJW-A;38.3 MM CONDUCTOR JUMPER		138

ADDITIONAL NON-STANDARD CLAMPS REQUIRED

	Stem/Pad Size	Conductor Size	Description	Note	QTY
176	Lug for 22kV SA	16,25mm (Hornet)	12mm-19mm, 90 degree angle (SAP 0554064)		3
177	26mm stem	38,3mm (Bull)	CLAMP EXC-L, BOLT/COMP, STEM 26 COND38,3		3

D6055 ACRYLIC CLAMP COVER

	Type	SAP #	Description	Note	QTY
187	ACC1	0402647	COVER:ACC1 ;CLAMP ;ID 125 X LG 220 MM	Small clamp (0.54/1872)	6
190	ACC4	0402651	COVER:ACC4 ;CLAMP ;ID 160 X LG 480 MM	Large bushing & Small clamp (0.54/1875)	6
192	ACC6	0011499	COVER:ACC6 ;CLAMP ;ID 220 X LG 485 MM	Extra-large bushing & Large clamp (0.54/1877)	3

I12 S48 EUC: UNIVERSAL CORONA RING

	Type	SAP #	Description	Note	QTY
196	EUC	0011120	RING ASSEMBLY:UNIVERSAL CORONA;CENTER	Assembly of 1 ring & 2 supports	6

I12 S48 ECRST: STRAIN ASSEMBLY CORONA RING

	Type	SAP #	Description	Note	QTY
197	ECRST-LH	0011234	RING:ECRST-LH;CORONA, LH;ID 499 MM		30
198	ECRST-RH	001235	RING:ECRST-RH;CORONA, RH;ID 499 MM		30

Revision Control			
Rev	Date	Description	Compiler
1	02-May-23	First Issue	C Thomas

	Name	Designation	Signature	Date
Compiled By	C Thomas	Engineer		02/05/2023
Reviewed By	T Moonsamy	S Engineer		04/05/2023
Authorized By	R Ramnarain	C Engineer		12/05/2023