



YARD STEELWORK SCHEDULE (REV. 4)				
DRG. No.	REV. No.	DESCRIPTION	No. OFF.	STRUCTURE TOTAL
D-ST-833	1	ITEM 4 152x76x18mm FOR BRKR. SUPPORT	3	214,8
D-ST-833	1	ITEM 5 100x50x11mm FOR BRKR. SUPPORT	3	38,16
D-ST-753	4	DETAIL 1 152x76x2000mm	18	35,8
TOTAL MASS kg.				1493,3

- NOTES: (REV.1) & (REV.2)
- EXISTING 132kV LINK & BREAKER STRUCTURE TO BE MODIFIED BY SUB-CONTRACTOR TO SUIT NEW EQUIPMENT GALVANISED 150 x 75mm CHANNEL IRON SEE DTL D-51-833
 - SUB-CONTRACTOR TO DRILL EXISTING TRANSFORMER PLINTH FOUNDATION & EPOXY GROUT M24 x 400mm LG HD BOLTS TO INSTALL MED. EQUIPMENT SUPPORTS FOR C.T.'s
 - SUB-CONTRACTOR TO SEAL L.V. CABLE TRENCH & COVER WITH WEAR MOTORWAY MIX
 - CABLE CONTRACTOR TO SUPPLY & INSTALL CABLE TERM. SUPPORTS FOR TWIN COVERED BULL CONDUCTOR & 11kV CABLES (6 x 1000sq/mm SINGLE CORE) SEE DTL 'A'
 - LINK FOOT PLATE TO BE POSITIONED ON SITE
 - FOR STEELWORK ASSEMBLY, SEE DTL D-51-833 (REV.1)
 - USE EXISTING POST INSULATOR AND MOUNT BOTH ON STEEL BRACKETS, DTL.1
 - CUT TUBULAR BUSBAR 4000mm FROM BOTTOM BEND AND FIT PART 'B' (DTL.2) ON TOP OF POST INSULATORS
 - MOVE 132kV BREAKER AT BAY 4 - 3000mm AWAY FROM INSULATOR AS PER SECTION Z - Z EXTEND THE CENTRE PHASE CONDUCTOR

YARD STEELWORK SCHEDULE (REV.1)			
DRG. No.	REV.	DESCRIPTION	MASS
054/303	2	MED. EQUIPMENT SUPPORT	3 454,3
054/306	3	SUPPORT CAP	3 171,0
718/21924	4	132kV LINK FOOT PLATE	1 31,7
SEE DTL.1		2 x 152 x 76 x 2000mm LG CHANNEL	3 226,8
TOTAL MASS			843,8

MAKERS REFERENCE DRAWINGS (REV. 1)				
DRG. No.	No. OFF.	DESCRIPTION	E.N.C. No.	N.S.N. No.
-	1	132/11kV OLTC TRANSFORMER	6120-70-010-1841	1
-	1	11kV 355A NE.C.R.T./AUX.	6120-70-104-5192	1
-	6	132kV P.J.L.	5970-70-101-8932	6
-	12	22kV P.J.L.	5970-70-101-8925	3
054/3100	3	132kV 10kA S.A. - B.B.T.	SLA007/8	5920-70-006-6946
054/3956	3	11kV 10kA 1002 S.A. - BBT	SLA007/2	5920-70-008-2059
054/3081	3	132kV 29kA 2900A C.T. - CON. ELECTRIC	BC1002/A	5920-70-581-5541
054/4248	1	132kV 2500A 40kA LINK-COLL LINN	DS1014	6100-70-005-3074
054/4305	1	132kV 315kA BREAKER-ACG SF	CBK014/3	6110-70-009-7199

HARDWARE SCHEDULE (REV. 1)				
No. OFF.	MK	SIZE	No. OFF.	N.S.N. No.
-	K2	26/76	6	5935-70-101-4904
-	K4	38/76	6	5935-70-101-9824
12	KC2	38/76	12	5935-70-103-7926
-	Y2	38/38	3	5935-70-001-2790
-	Y7	38/26	15	5935-70-100-5345
12	SPC1	26/0	3	5935-70-001-2188
9	SPC2	26/45	3	5935-70-106-5332
-	SPC4	38/0	3	5935-70-009-0411
9	EPC 26	26	6	5935-70-005-8615
-	EPC 38	38	3	5935-70-005-8617
-	KCP 26/127	26/127	3	5935-70-006-6158
-	END CAP (E/C)	400	6	4710-70-582-3517
-	SA/E	80/127	3	5935-70-582-3410
-	SA/A	80/76	6	5935-70-582-3424
-	TBS	80/127	3	5935-70-006-7184
-	TBS1	113/26	3	-
-	BUSBAR TUBULAR	12m	4710-70-010-6440	35m
-	COVERED TWIN BULL	100m	6145-70-103-8024	55m
72m	CENTREPE CONDUCTOR	100m	6145-70-103-8023	100m
9	EARTHTAILS		9	6150-70-002-0637
9	EARTHWIRE SPD		9	5935-70-104-8664
-	φ66" STEM	12	To be supplied by construction	
-	KCP 26/76	26/76	-	5935-70-006-6157
-	Double Copper	75x12mm	-	9530-18-407-1429
-	S2-38 dia 150 spacing (to be supplied by contractor)		-	5975-18-405-3733
9	TBS1 100/26	113/26	-	-
9	TBSF 100/127	113/127	-	-

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.
6	REBRAIN INTO CAD	T.D.	D.F.	BULK	23/04/2003	
5	SWITCHROOM EXTENDED	T.D.	D.F.	BULK	01/08/2000	
4	ADDED 132kV CIRCUIT BREAKERS	L.K.	D.F.	BULK	01/04/1996	E00374
3	REVISED AS BUILT (OCC. CENT. ADDED)	L.K.	D.F.	BULK	01/01/1996	
2	TBFR BAY 4 - LV SIDE RE-ARRANGED	T.D.	D.F.	BULK	01/09/1995	D00140
1	DRAWING TAKEN FROM CONSULTANT AND TRANSFORMER BAY 4 EQUIPPED	G.N.K.	D.F.	LSP	21/05/1994	

DATE: / /

DATE: / /

DATE: / /

SCALE 1:200

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MOROKA

132/11kV SUBSTATION

GENERAL ARRANGEMENT

D-ST-753

SET

SHEET

REVISION

6