



400 - kV				
C.B. RATING	BAY	DESCRIPTION	STAGE 1	STAGE 2
A	kA		2011	2011
4000	50	FEEDER 1	HENDRONA 1	✓
4000	50	FEEDER 2	MARATHON 1	✓
4000	50	FEEDER 3	(FUTURE)	
4000	50	FEEDER 4	(FUTURE)	
4000	50	BUS COUPLER "B"	(FUTURE)	✓
4000	50	BUSBAR 1 BUS SECTION 1	(FUTURE)	
4000	50	BUSBAR 2 BUS SECTION 1	(FUTURE)	
4000	50	TRANSFER BUS COUPLER	(FUTURE)	

132 - kV				
C.B. RATING	BAY	DESCRIPTION	STAGE 1	STAGE 2
A	kA		2011	2011
3150	50	FEEDER 1	(FUTURE)	
3150	50	FEEDER 2	WILDCAT 1	✓
3150	50	FEEDER 3	MACHADO 1	✓
3150	50	FEEDER 4	PRIMAIRE 1	✓
3150	50	FEEDER 5	PRIMAIRE 2	✓
3150	50	FEEDER 6	NKOMATI 1	✓
3150	50	FEEDER 7	NKOMATI 2	✓
3150	50	FEEDER 8	(FUTURE)	
3150	50	FEEDER 9	(FUTURE)	
3150	50	FEEDER 10	(FUTURE)	
3150	50	FEEDER 11	(FUTURE)	
3150	50	FEEDER 12	(FUTURE)	
3150	50	FEEDER 13	(FUTURE)	
3150	50	FEEDER 14	(FUTURE)	
3150	50	BUS COUPLER "B"	(FUTURE)	✓
3150	50	BUSBAR 1 BUS SECTION 1	(FUTURE)	
3150	50	BUSBAR 2 BUS SECTION 1	(FUTURE)	

NOTES:

- STATION BATTERY VOLTAGE 220V DC
- C.T. BUS ZONE TURNS RATIO
400 kV 1/1000
132 kV 1/1000
- SYSTEM FAULT LEVEL
400 kV 50kA
132 kV 40kA
- 400kV BUSBAR INTERIE TO BE REMOVED IF NO LONGER REQUIRED IN FUTURE

400kV/132kV TRANSFORMERS				
C.B. RATING	C.B. RATING	BAY	MVA RATING	STAGE 1
A	kA			2011
3150	50	3150	40	TRFR 1
3150	50	3150	40	TRFR 2
3150	50	3150	40	TRFR 3
3150	50	3150	40	TRFR 4

4	SECONDARY PLANT DESIGN CHANGE - REVISION OF 1 TO 3 IN THE 132kV FOR 4 AND 132kV FOR 5 BAYS	ALG	MP	RG	AA	22/08/12
3	PHASING ON 132kV FOR 2, 3, 4 AND 7 CONNECTED TO THE 132kV BUSBARS. THE 132kV BUSBARS ARE TO BE RECONNECTED TO THE 132kV BUSBARS.	ALG	MP	RG	AA	10/12/14
2	ZONE 2 PHASING. CB NUMBERING & NO NAMES REVISED ALG	ALG	MP	RG	AA	13/12/17
1	B/C "A" ARRANGEMENT REVISOR	ALG	EN	RG	AA	20/11/08
REV	REVISION DESCRIPTION	DATE	BY	CHKD	APPD	DATE
1	AND	20/08/12	E. NACKER			
2	AND	20/08/12	E. NACKER			
3	AND	20/08/12	E. NACKER			
4	AND	20/08/12	E. NACKER			
5	AND	20/08/12	E. NACKER			
6	AND	20/08/12	E. NACKER			
7	AND	20/08/12	E. NACKER			
8	AND	20/08/12	E. NACKER			
9	AND	20/08/12	E. NACKER			
10	AND	20/08/12	E. NACKER			
11	AND	20/08/12	E. NACKER			
12	AND	20/08/12	E. NACKER			
13	AND	20/08/12	E. NACKER			
14	AND	20/08/12	E. NACKER			
15	AND	20/08/12	E. NACKER			
16	AND	20/08/12	E. NACKER			
17	AND	20/08/12	E. NACKER			
18	AND	20/08/12	E. NACKER			
19	AND	20/08/12	E. NACKER			
20	AND	20/08/12	E. NACKER			
21	AND	20/08/12	E. NACKER			
22	AND	20/08/12	E. NACKER			

ESKOM
Transmission

GUMENI
STATION ELECTRIC DIAGRAM

0.08/19527

SCALE: N/A

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