



SUBSTATION A. 33kV SWITCHBOARD 65 (LH SIDE)						
CIRCUIT	MANUF.	TYPE	RATING	KA	TRIP. COIL	PROTECTION SETTINGS
CIRCUIT 1						
CIRCUIT 2	YORKSHIRE	Y9F6 SEALED CB	1250A	40KA	110V DC	NON DOCC EF
CIRCUIT 3 & 6						MR134E
CIRCUIT 4	AS CIRCUIT 2	Y9F6 SEALED CB	1250A	40KA	110V DC	AS CIRCUIT 2
CIRCUIT 5	AS CIRCUIT 2	Y9F6 SEALED CB	1250A	40KA	110V DC	AS CIRCUIT 2
CIRCUIT 7	AS CIRCUIT 2	Y9F6 SEALED CB	1250A	40KA	110V DC	AS CIRCUIT 2

SUBSTATION B. 33kV SWITCHBOARD 65 (RH SIDE)						
CIRCUIT	MANUF.	TYPE	RATING	KA	TRIP. COIL	PROTECTION SETTINGS
CIRCUIT 8	AS CIRCUIT 2	Y9F6 SEALED CB	1250A	40KA	110V DC	AS CIRCUIT 2
CIRCUIT 9	AS CIRCUIT 2	Y9F6 SEALED CB	1250A	40KA	110V DC	AS CIRCUIT 2
CIRCUIT 11	AS CIRCUIT 2	Y9F6 SEALED CB	1250A	40KA	110V DC	AS CIRCUIT 2
CIRCUIT 13	AS CIRCUIT 2	Y9F6 SEALED CB	1250A	40KA	110V DC	AS CIRCUIT 2

MODE OF INTERLOCKING 33/11kV CIRCUITS

1) KEY RELEASED FROM 33/11kV 100KA 33kV R WHEN OPEN
 2) THIS KEY ENABLES 33kV ISOLATOR SH4 TO BE OPENED KEY #8 TO BE TRAPPED
 WHEN INDICATOR OPEN KEY #8 RELEASED FOR #8 EARTH SWITCH #8 OPERATION
 3) KEY #8 RELEASED FROM #8 11kV CIRCUIT BREAKER WHEN CABLE EARTH SELECTED
 4) 33kV EARTH SWITCH #8 CANNOT BE CLOSED UNTIL BOTH #8 KEYS ARE LOCATED
 5) WHEN 33kV EARTH SWITCH #8 IS CLOSED ADDITIONAL KEY #8 RELEASED TO ALLOW #8 VCB MAINTENANCE
 THIS KEY SHOULD BE TRAPPED AT EARTH SWITCH #8 IN ALL OTHER POSITIONS

REFERENCE DRAWINGS:

1) M.E.B. RETAINS THE RIGHT TO INTERLOCK ISOLATORS IS4 & IS8 TO ENSURE THEY CAN NOT BE OPERATED WITHOUT THE PERMISSION OF MEB CONTROL ENGINEER

- LEGEND:-**
- AMMETER
 - VOLT METER
 - POWER FACTOR INDICATOR
 - KILOWATT HOUR METER
 - CASTELL KEY INTERLOCK
 - METERING SELECTOR SWITCH
- KEY FOR CONNECTION:-**
- CT REFERENCE
 - VOLTAGE REFERENCE
 - TRIP / INTERTRIP
 - M MECHANICAL INTERLOCK

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DATE	
JOB No.	
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TITLE:
 33/3.3kV SUBSTATION
 33/3.3kV DISTRIBUTION PROTECTION & METERING
 SUBSTATION SWITCHBOARD

REV	SHEET	CONTIN	CAD
2	1	-	A1