

RMU TEST REPORT

VISUAL AND MECHANICAL INSPECTION

Inspect for physical damage & verify nameplate data to plans & specifications.	OK	NOT OK
Follow manufacturer directions when performing mechanical operations testing.	OK	NOT OK
Ensure proper working of grounding switch.	OK	NOT OK
Check interlocks for proper operation.	OK	NOT OK
Verify for positive gas pressure in SF-6 switches and ensure no leaks.	OK	NOT OK
Verify all indicators for the earth switch and isolator.	OK	NOT OK
Ensure hardware is correctly fitted and torqued.	OK	NOT OK
Grounding installed according to design standards.	OK	NOT OK

ELECTRICAL TESTS

Test the insulating resistance on each pole for 1 minute.	OK	NOT OK
Verify the continuity of the ground connection across the breaker & the ground grid.	OK	NOT OK
Perform trip tests on the circuit breakers.	OK	NOT OK
Verify the settings & operation of protective relays.	OK	NOT OK
Check an actual circuit breaker trip test done with current injection.	OK	NOT OK

NAMEPLATE DATA

Switch No.	
Manufacturer	
Model No.	
Serial No.	
Rated Voltage	

INSULATION RESISTANCE TEST

APPLIED VOLTAGE - 5KV DC

PHASE SEQUENCE	MEASURED IR VALUE IN (GΩ)	ACCEPTANCE
R-E		OK / NOT OK
Y-E		OK / NOT OK
B-E		OK / NOT OK
RY		OK / NOT OK
YB		OK / NOT OK
BR		OK / NOT OK

	Testing Engineer
Signature	
Date	

PROTECTION RELAY

Switch No.	RMU
Manufacturer	
Model No.	
Protection function	Ip>, Ip>>, Ie>, Ie>>

SETTING VALUES FOR PROTECTION:

Nominal Current: 38 A

Ip>: 1.1= 41.8 A, TMS:1.0 Normal Inverse curve

Ip>>: 2= 114 A, TMS: 0.05 Definite time

Ip>: 0.6= 22.8 A, TMS:1.0 Normal Inverse curve

Ip>>: 2= 60 A, TMS: 0.05 Definite time

METERING FOR CURRENT ELEMENT

INJECTED CURRENT (AMPS)	MEASURED R PH (AMPS)	MEASURED Y PH (AMPS)	MEASURED B PH (AMPS)	ACCEPTANCE +-5%

TESTING FOR CURRENT PROTECTION ELEMENT

Protection Function	I set (A)	Curve type	Time Multiplier setting	I Pick up (A)	Trip time expected Seconds	Trip time expected Seconds	Acceptance
Over current Ip>	41.8	Normal Inverse	1				OK
Over current Ip>>	114	Definite time	0.05				OK
Earth fault Ie>	22.8	Normal Inverse	1				OK
Earth fault Ip>>	60	Definite time	0.05				OK

	Testing Engineer
Signature	
Date	