

VCB Maintenance Checklist

Document Title:

Prepared For:

Prepared By:

Date of Maintenance: _____

Location: _____

General Information

Date:	
Location:	
IR Tester (Model & S/N):	
Inspected By:	
Verified By:	
Drafted By:	

1). General Inspection

S. No	Check Description	Status (OK/Not OK)	Observations / Remarks
1	External condition of VCB panel		
2	Presence of dust, dirt, oil, or water		
3	Check nameplate details (Rating, Make, Type)		
4	Proper identification marking		
5	Condition of panel door locks and hinges		
6	Space heater operation		
7	Condition of silica gel (moisture absorption)		
8	Visual signs of overheating or tracking		

2). Cable & Terminals

S. No	Check Description	Status (OK/Not OK)	Observations / Remarks
1	Cable insulation condition		
2	Heated or discolored cable joints		
3	Corona discharge observation		
4	Tightness of incoming and outgoing terminals		
5	Any signs of arcing or tracking		

3). Mechanical Checks

S. No	Check Description	Status (OK/Not OK)	Observations / Remarks
1	Visual check of VCB body for damage		
2	Jaw contact spring tension		
3	Proper cleaning with CRC-226		
4	Grease removal and reapplication of recommended grease		
5	Proper pole alignment and synchronism		
6	Breaker manual operation (open/close)		
7	Breaker trip test through push button		
8	Contact condition (burn marks, pitting)		
9	Contact pressure check		
10	Interlock functional check		

4). Electrical Checks

S. No	Test Description	Test Value	Observations / Results
1	IR Test Phase-Phase (VCB Closed)		
2	IR Test Phase-Earth (VCB Closed)		
3	IR Test Phase-Earth (VCB Open)		
4	IR of PTs (R/Y/B Phases)		
5	IR of CTs (R/Y/B Phases)		
6	Primary Injection Test (Refer separate report)		
7	Secondary Injection Test		

5). PT & CT Inspection

S. No	Check Description	Status (OK/Not OK)	Observations / Remarks
1	PT Fuse condition and continuity		
2	PT Fuse terminal condition (oxidation/corrosion)		
3	PT neutral to earth link (broken/connected)		
4	CT metering core inspection		
5	CT protection core inspection		
6	CT and cable IR (Phase-Earth)		
7	CT terminal tightness		

6). Final Verification

S. No	Description	Verified By	Remarks
1	All corrective actions completed		
2	VCB restored to normal operating condition		
3	Safety checks performed post-maintenance		
4	Documentation completed and submitted		
5	Date of next scheduled maintenance		

Technician Names:

Supervisor Name:

Report Drafted By: