

**6.6 KV/11 KV Circuit Breaker Preventive Maintenance
Checklist**

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Drive Breaker :

Date:

S.No	Checks/ Test Details Carried out	Measured Value	Acceptable Limit	Instrument Used	Ref Standard/ Document	Remarks
01	Check breaker timings.					
02	Check the contact resistance.					
03	Check IR Value across poles.					

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Drive Breaker :

Date:

S.No	Activity	Acceptance Criteria	Remarks
01	Obtain PTW & ensure proper isolation.		
02	Inspect breaker externally.		
03	Turn off DC supply & remove control plug		
04	Disch. Closing & tripping springs.		
05	Clean breaker, insulator & breaker chamber.		
06	Observe for any oil leakages (if MOCB). Arrest leakages (if any).		
07	Lubricate sliding surfaces, racking in mechanism & other moving parts.		
08	Ensure earthing of out going cable.		
09	Inspect power cable terminations & surge arrestors.		
10	Ensure smooth operation of racking in mechanism		
11	Check indication lamps and replace (if necessary).		

12	Check functioning of space heaters.		
13	Check contact erosion of all contacts.		
14	Check breaker timings by testkit.		
15	Check for the healthiness of the oil in case of the MOCBs. Replace (if required).		
16	Check for the condition of vacuum incase of vacuum breakers (IR Value)		
17	Check the contact resistance by micro ohm meter.		
18	Check all the interlocks close trip of the breaker.		
19	Remove the earthing and close all the doors properly.		
20	Rack in the breaker in tripped condition.		
21	Insert the plug & Switch ON control supply.		
22	Check the breaker in test position.		
23	Check tripping with relays.		
24	Return the PTW after ensuring men and material are cleared.		

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