

	Half-yearly Checklist of Main breakers 50MW P-4 BLOCK,NTPC,SOLAR POWER PLANT,MANDSAUR,MP.	
		Date: Time:
S.No	Description	Remarks
1	Check the body of breaker for any cracks / tilting etc. Take necessary action accordingly.	
2	Clean the insulator of all breaker poles with a dry cotton cloth. Use acetone if necessary. Check the insulator for any cracks.	
3	Check the mains connections (both incoming and outgoing) for signs of overheating. Ensure good electrical connections. Replace any badly heated connectors.	
7	Clean the breaker. Check for any paint peel off / rusting. Touch up with paint wherever necessary.	
8	Check all electrical connections. Tighten any loose connections. Ensure that the panel lamp is working (if available).	
9	Check closing coil and tripping coils for signs of overheating. Check & record the resistance of closing coil / tripping coils. Ensure that the values are within permissible limits (refer breaker manual)	
10	Lubricate / grease wherever necessary.	
11	Record the breaker operation counter reading.	
12	Check local operation of the breaker. Ensure that ON / OFF indication/spring charged mechanical indication is working properly.	
13	Check the condition of door gasket.	
14	Check the earthing connections properly. If required tight the connections.	

Note: 1. Use safety PPE's such as safety gloves, earth rods etc
2. Isolate and earth the working section before starting maintenance. For connecting earth
Rods connect earth connections first and then connect to line.
3. Keep all necessary tools and tackles ready.
4. Note down the Sl. No. of circuit breaker / location etc.
5. This maintenance checklist is applicable for all vacuum circuit breakers, associated CTs, PTs etc. in
Solar farm sites.

Manpower Utilization: TM:

Helper:

Spared / Tools Used:

Outage ___ day