

Transformer Pre-Commissioning Test Report

Location					
Transformer Serial Number		Date of Testing (D.O.T)	/	/	
Transformer Rating (in KVA)	KVA	Voltage Ratio	11000	/	433

1	No joints are leaking oil	Yes	/	No
2	Air plugs on the radiators and a Buchholz relay were used to remove trapped air within the transformer.	Yes	/	No
3	Arching horns with a gap	Yes	/	No
4	Each and every transformer oil tank is full of oil.	Yes	/	No
5	Radiator valves are currently in the open position.	Yes	/	No
6	The conservator tank's outflow pipes have their valves open.	Yes	/	No
7	Buchholz relay's arrow points in the direction of the conservator tank.	Yes	/	No
8	Conservator tank's oil level is at its typical level.	Yes	/	No
9	Breather's oil cup is filled with oil, and the silica gel has a dark blue color.	Yes	/	No
10	Buchholz relay is locked and in the service position.	Yes	/	No
11	Transformer body, HV cable box, LV cable box, and marshalling box are all effectively earthed.	Yes	/	No
12	Oil & Winding temperature alarms and trips are set to activate at the temperatures listed below			
a.	Oil Temperature (OT) Alarm (81°C)	Yes	/	No
b.	Oil Temperature (OT) Trip (89°C)	Yes	/	No
c.	Winding Temperature (WT) Alarm (92°C)	Yes	/	No
d.	Winding Temperature (WT) Trip (99°C)	Yes	/	No
13	Transformer winding insulation value (Ω)			
	Between HV – E(Ω)	Between LV – E(Ω)	Between HV – LV(Ω)	
14	The functionality of the subsequent annunciation circuits was verified through simulation.			
a.	Buchholz Relay	Yes	/	No
b.	Oil Temperature (OT) Alarm	Yes	/	No
c.	Winding Temperature (WT) Alarm	Yes	/	No
d.	Transformer Oil Low Level Indication Alarm	Yes	/	No

15	The following trip circuits were checked and found working by simulation										
	a.	Buchholz relay							Yes	/	No
	b.	Oil Temperature (OT) Alarm							Yes	/	No
	c.	Winding Temperature (WT) Alarm							Yes	/	No
	d.	Transformer Oil Low Level Indication Alarm							Yes	/	No
16	Transformer Ratio Test										
	Between	1R – 1Y	1Y – 1B	1B – 1R							
	Input Voltage (V)										
	Phase	1	2	3	4	5	6	7			
	2U – 2N										
	2V – 2N										
	2W – 2N										
17	Magnetic Balance Test conducted & found Within (or) Beyond Limits										
		1 R – 1 Y	1 Y – 1 B	1 B – 1 R	2 R – 2 N	2 Y – 2 N	2 B – 2 N				
	1										
	2										
	3										
18	Transformer cleared for charging / not cleared for charging										
19	Transformer was charged on dated..... at hrs. and was left in no-load mode for.....										
20	Transformer was loaded on dated.....at..... hours.										

	Site Engineer	Commissioning Engineer
Signature		
Name		
Designation		
Date		