



## CAPACITOR UNIT ROUTINE TEST REPORT

Customer : NTPC KORBA  
W.O.No. : 76508-A-604-01  
E.S.No. : 701152  
Rating : 25 kVAr

Date : 05-10-2016

Capacitance in ( )

Rated

Minimum

Maximum

0.25

0.24

0.27

Discharge Res. in (mΩ) : ≤ 21

Rated Voltage : 18 kV

DD : 30.6kV DC Direct Discharge - Each Unit

OVT : 72 kV DC between terminals for 10 Sec. - Each Unit

OVT : 0 kV AC between shorted terminals & container for 0 Sec. - Each Unit

Sr. No.	Unit Punch No	Capacitance (μf) at 750 V AC before OVT	OVT 72 kV DC	DD 30.6 kV DC	OVT 0 kV AC	D.R. in (MΩ) at 85 V DC	At Rated - 18 kV After OVT		Temp °C	Remark
							Cap. in (μf)	Tan δ (10 <sup>-6</sup> )		
1	06	0.279	OK	30.6	N/A	22.7	0.279	60	32	Ok
2	11	0.28	OK	30.6	N/A	22.8	0.28	70	32	Ok
3	02	0.278	OK	30.6	N/A	22.6	0.278	70	32	Ok
4	01	0.279	OK	30.6	N/A	22.6	0.28	60	32	Ok
5	07	0.282	OK	30.6	N/A	22.7	0.282	50	32	Ok
6	05	0.281	OK	30.6	N/A	22.8	0.281	60	32	Ok
7	09	0.28	OK	30.6	N/A	22.5	0.28	70	32	Ok
8	08	0.28	OK	30.6	N/A	22.6	0.28	60	32	Ok
9	04	0.281	OK	30.6	N/A	22.7	0.279	70	32	Ok
10	03	0.278	OK	30.6	N/A	22.7	0.278	60	32	Ok
11	10	0.279	OK	30.6	N/A	22.6	0.279	70	32	Ok

Tested By  
D.KUSHWAHA

Witnessed By  
NTPC KORBA