

**AC INSULATION RESISTANCE TEST** BHARAT HEAVY ELECTRICAL LIMITED, BHOPAL 08-Sep-16  
1:15:53 AM

<b>VOLTAGE REGULATOR VR-2 INPUT</b>	<b>VOLTAGE REGULATOR VR-2 INPUT</b>	<b>100 KVA TRANSFORMER OUTPUT</b>	<b>100 KVA TRANSFORMER OUTPUT</b>
VOLTAGE <b>0.0</b> V	CURRENT <b>0.0</b> A	VOLTAGE <b>0.0</b> kV	CURRENT <b>0.00</b> A
UNIT NO. <b>123</b>	OK NOT OK SAVE	PC PANEL	

800 A ACB 2  
ISOLATOR S/W  
400 V,I/P SUPPLY

VOL. REG.(VR-2) 100 KVA,117 A  
VR-2 RAISE VR-2 LOWER  
ACB-2 START ACB-2 STOP  
TEST START TEST STOP

TRANS-2 100 KVA  
MANUAL  
SET TIME **0** SEC  
TIMER **0** SEC  
START STOP

AUTO  
LIMIT **0.00**  
SET.TIME **0**  
TIME **0**  
START STOP

CAPACITOR UNDER TEST

WELCOME SLD

AC INS. RES. TEST CAP & TAN DELTA TEST DC OVER VOLTAGE TEST

ALERT BELL SHUTDOWN

**DC OVER VOLTAGE TEST** BHARAT HEAVY ELECTRICAL LIMITED, BHOPAL 08-Sep-16  
12:32:24 AM

<b>VOLTAGE REGULATOR VR-3 INPUT</b>	<b>VOLTAGE REGULATOR VR-3 INPUT</b>	<b>75 KVA TRANSFORMER OUTPUT</b>	<b>75 KVA TRANSFORMER OUTPUT</b>
VOLTAGE <b>####</b> V	CURRENT <b>####</b> A	VOLTAGE <b>####</b> kV	CURRENT <b>####</b> mA
UNIT NO. <b>      </b>	OK NOT OK SAVE	PC PANEL	

63 A  
ISOLATOR S/W  
400 V,I/P SUPPLY

FUSE,65 A  
C-2, 65 A  
TEST START TEST STOP

VOL. REG.(VR-3) 100 KVA, 10 A  
VR-3 RAISE VR-3 LOWER DD RES.  
DC COIL  
RECTIFIER  
MANUAL  
SET TIME **###** SEC  
TIMER **###** SEC  
START STOP

TRANS-3,75 KVA  
AUTO  
LIMIT **####**  
D.D.RES. **####**  
SET.TIME **####**  
TIMER **####**  
START STOP

CAPACITOR UNDER TEST

WELCOME SLD

AC INS. RES. TEST CAP & TAN DELTA TEST DC OVER VOLTAGE TEST

ALERT BELL SHUTDOWN

Capacitor Test Pro (CTP) Welcome admin

Main Utility Help Log Out

### Capacitor Testing

Electrical Specification (ES) No : 701146  Capacitor Type : Shunt Date : 9/7/2016

From Date : 8/ 1/2016 To Date : 9/ 7/2016

Capacitor Unit Punch No.	Before OVT			After OVT				Ambient Temperature (°C)	Corrected Capacitance at 0 °C	HV Test			Discharge Resistance (mΩ)	Remark	Records To Print
	At	750 V AC	Applied Current (A)	At Rated	7.3 kV		Tan delta			Applied DC Voltage (29.2 kV)	Direct Discharge Applied Voltage (10 kV)	Applied AC Voltage (28 kV)			
2	11.954	0.75	20	11.988	7.3	40	60	31	-	ok	10	ok	6	OK	<input type="checkbox"/>
4	11.988	0.75	21	11.991	7.3	42	50	31	-	ok	10	ok	6	OK	<input type="checkbox"/>
123	123	25	11	452	25	56	45	30	-	ok	10	ok	12	OK	<input type="checkbox"/>

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Capacitor Test Pro (CTP) Welcome admin

Main Utility Help Log Out

### Capacitor Testing

Electrical Specification (ES) No : 701146  Capacitor Type : Shunt Date : 9/7/2016

From Date : 8/ 1/2016 To Date : 9/ 7/2016

Sr. No.	Capacitor Unit Punch No.	Before OVT			After OVT				Ambient Temperature	Corrected Capacitance at	HV Test			Discharge Resistance	Remark
		At	750 V AC	Applied Current (A)	At Rated	7.3 kV		Tan delta			Applied DC Voltage (kV)	Direct Discharge Applied Voltage (10 kV)	Applied AC Voltage (28 kV)		
1	2	11.954	0.75	20	11.988					10	ok	6	OK		
2	4	11.988	0.75	21	11.991					10	ok	6	OK		
3	123	123	25	11	452					10	ok	12	OK		

**Report**

W.O.No.

LOA No.

Customer

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Capacitor Test Pro (CTP) Welcome admin

Main Utility Help Log Out

### Capacitor Parameter Sheet

Electrical Specification (ES) No : 701146 Capacitor Type : Shunt Reference Standard : IS:13925-1

Rated Capacitance : 11.95 μf Min. Rated Capacitance : 11.35 μf Max. Rated Capacitance : 13.74 μf

Rated Voltage : 7.3 kV Rating : 200 kVAr

DC Over Voltage : 29.2 kV For Duration : 10 Sec.


AC Over Voltage : 28 kV For Duration : 10 Sec.

Direct Discharge Voltage : 10 kV Capacitance Change : 0.25 unit

Discharge Resistance : 6 mΩ Max. : 6.6 mΩ AT : 85 VDC

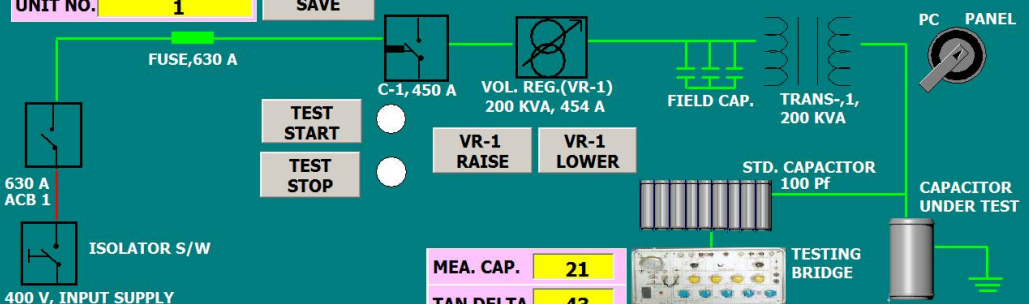
Temperature Correction

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**CAPACITANCE & TAN DELTA TEST**  **BHARAT HEAVY ELECTRICAL LIMITED, BHOPAL** 07-Sep-16  
11:29:43 PM

<b>VOLTAGE REGULATOR VR-1 INPUT</b>	<b>VOLTAGE REGULATOR VR-1 INPUT</b>	<b>200 KVA TRANSFORMER OUTPUT</b>	<b>200 KVA TRANSFORMER OUTPUT</b>
VOLTAGE <span style="background-color: yellow;">415</span> V	CURRENT <span style="background-color: yellow;">213</span> A	VOLTAGE <span style="background-color: red;">4</span> kV	CURRENT <span style="background-color: red;">50</span> A

UNIT NO. 1 SAVE



TEST START

TEST STOP

VR-1 RAISE

VR-1 LOWER

MEAS. CAP. 21

TAN DELTA 43

AC INS. RES. TEST

DC OVER VOLTAGE TEST


WELCOME

ALERT BELL

SHUTDOWN

SLD

11:29 PM 07-Sep-16



**WELCOME TO  
BHARAT HEAVY ELECTRICAL LIMITED, BHOPAL**


AC INSULATION RESISTANCE TEST

CAPACITANCE TAN DELTA TEST

DC OVER VOLTAGE TEST

SINGLE LINE DIAGRAM

SHUTDOWN



A-267, Wagle Industrial Estate, Road No. 16A,  
Near ESIS(Kamgar) hospital & Wagle Police station,  
Thane(West), Maharashtra, India-400604  
Contact : 91-22-61245016/18  
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