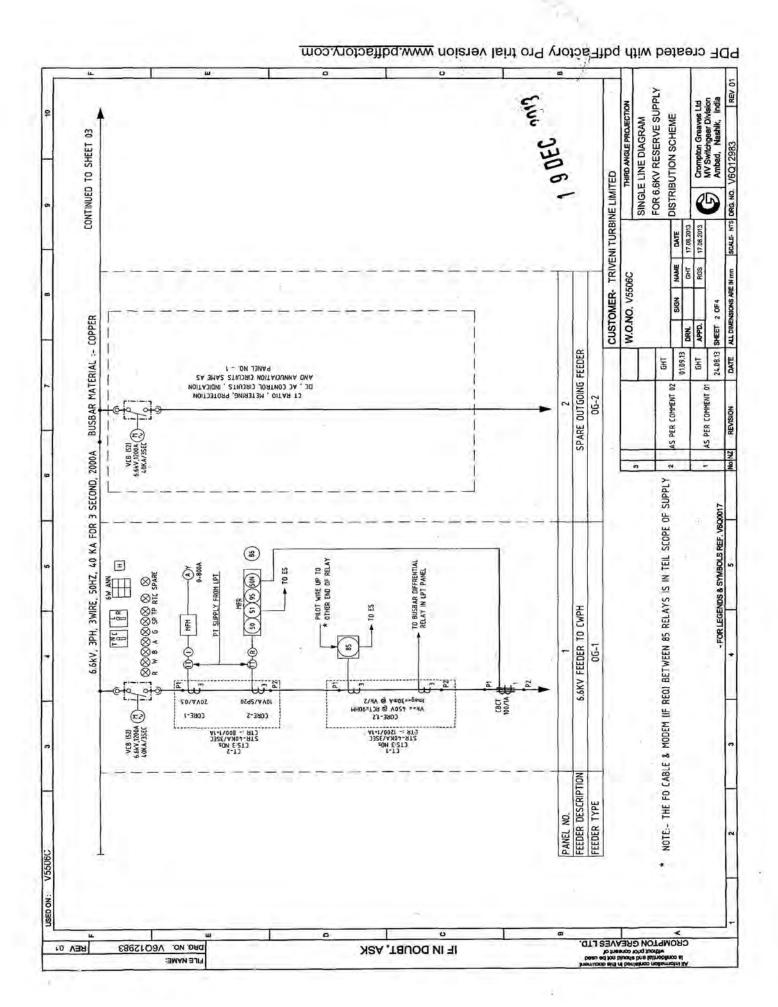
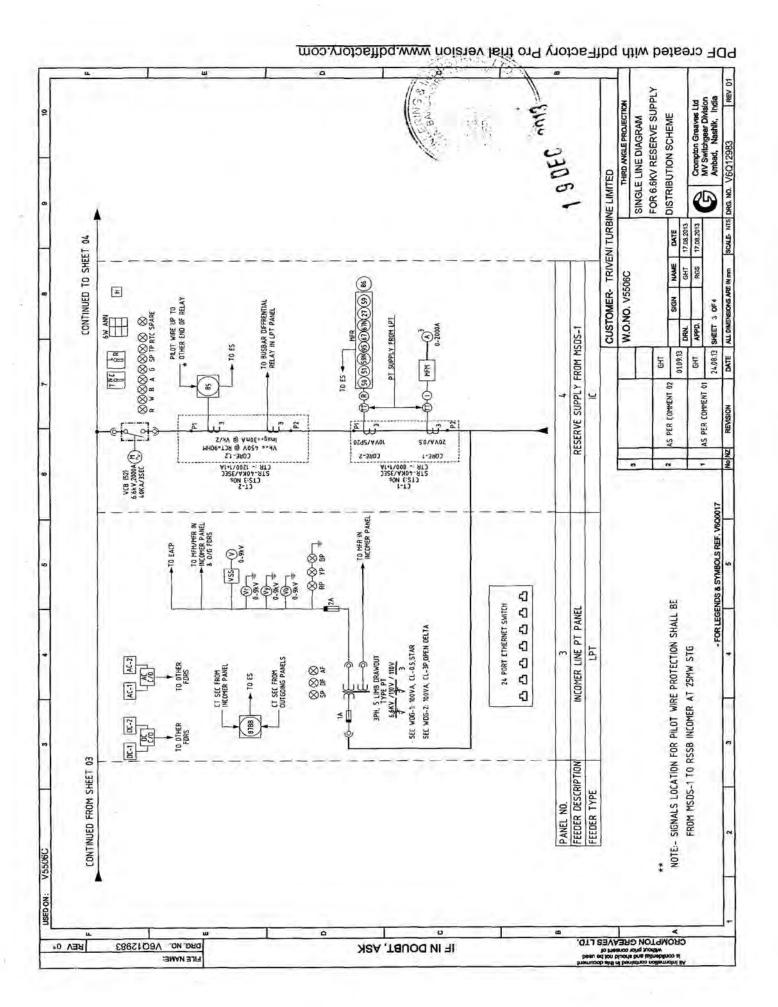
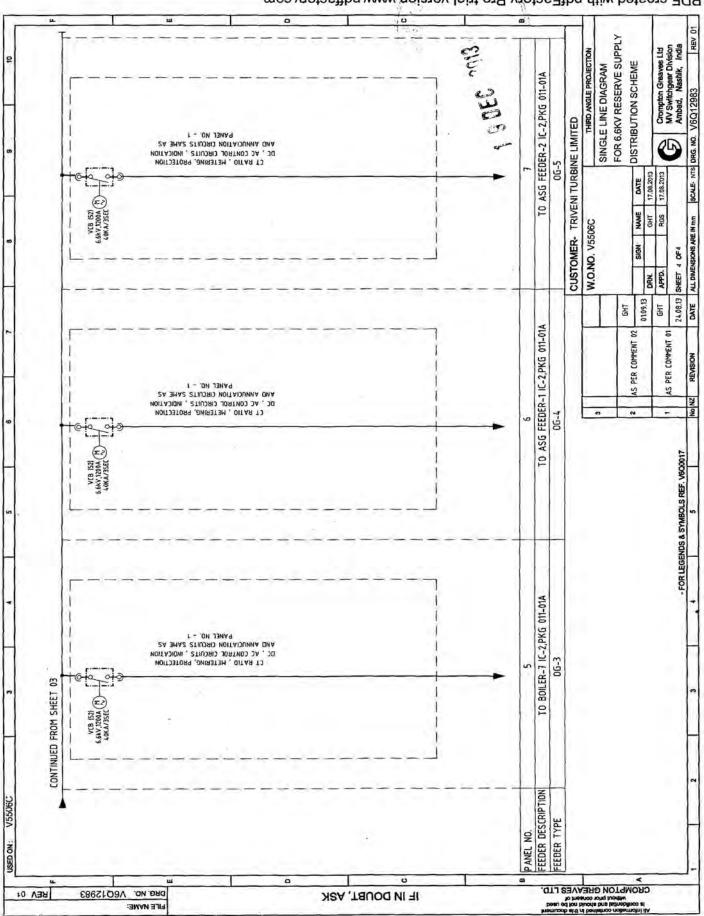
PDF created with pdfFactory Pro trialive sion www.pdffactory.com REV 01 FOR 6.6KV RESERVE SUPPLY TO DEC 1013 Crompton Graaves Ltd MV Switchgeer Division Ambad, Nashik, India THIRD ANGLE PROJECTION 2 DISTRIBUTION SCHEME SINGLE LINE DIAGRAM DATE ALL DIMENSIONS ARE IN MM SCALE NTS DRG. NO. VGQ12983 COMPREHENSIVE O/C & E/F RELAY WITH INBUILT TRIP CIRCUIT SUPERVISION RATE OF CHANGE OF FREQUENCY RELAY NUMERICAL PILOT WIRE DIFFRENTIAL RELAY CUSTOMER- TRIVENI TURBINE LIMITED NEUTRAL DISPLACEMENT RELAY 6 DESCRIPTION AC CHANGE OVER SCHEME VACCUM CIRCUIT BREAKER DC CHANGE OVER SCHEME PT FUSE FAILURE RELAY UNDER VOLTAGE RELAY AC/DC FAILURE SCHEME MULTI FUNCTION RELAY DESCRIPTION MASTER TRIP RELAY EQUPMENTS ETHERNET SWITCH 17.08.2013 17.08.2012 DATE EQUPMENTS INSTRUMENTS RELAYS GHT RGS W.O.NO. V5506C SIGN (56)(15)(05) SYMBOL 24,08.13 SHEET 1 OF4 SYMBOL 88 N6S APF 28 SE VCB ES œ (3) 3 6 9 APPD. DRN 61,09.13 E H AS PER COMMENT 02 AS PER COMMENT 01 REVISION INDICATION LAMP FOR BREAKER SPRING CHARGED (BLUE) INDICATION LAMP FOR TRIP CIRCUIT HEALTHY (WHITE) INDICATION LAMP FOR BKR READY TO CLOSE (GREEN) No NZ NDICATION LAMP FOR Y-PH VOLTAGE PRESENCE INDICATION LAMP FOR B-PH VOLTAGE PRESENCE NDICATION LAMP FOR R-PH VOLTAGE PRESENCE INDICATION LAMP FOR BKR IN SERVICE (GREEN) INDICATION LAMP FOR BREAKER OFF (GREEN) ANALOG AMMETER 144 SOMM- FOR ALL FEEDERS (NO, INDICATES QUANTITY) ANALOG VOLTMETER 144 SO.MM- FOR ALL FEEDERS VOLTMETER SELECTOR SWITCH INDICATION LAMP FOR AUTO TRIP (AMBER) INDICATION LAMP. FOR BKR IN TEST (RED) INDICATION LAMP FOR BREAKER ON (RED) EQUPMENTS MULTIFUNCTION METER COMMUNICABLE ON MODBUS PROTOCOL SPARE INDICATION LAMP (GREEN) NDICATING LAMPS DESCRIPTION DESCRIPTION (4. POSITION SWITCH) FOR LEGENDS & SYMBOLS REF. V600017 2) AC AND DC FAILURE SCHEME SHALL BE PROVIDED ON INCOMER LINE PT PANEL. 3) MFR RELAY, PILOT WIRE DIFFRENTIAL RELAY SHALL BE BASED ON JEC 61850 COMMUNICATION all the meters used shall be microprocessor based multifunction type with communicable on modbus protocol. AC AND DC CHANGE OVER SCHEME SHALL BE PROVIDED ON INCOMER LINE PT PANEL 5) 240 VAC AND 220V DC SUPPLY SHALL BE IN TEIL SCOPE. MANAGEBLE ETHERNET SWITCH SHALL BE PROVIDED ON INCOMER LINE PT PANEL SYMBOL VSS MEM (3 SYMBOL SPARE 8 8 8 (8) 8 8 8 B ⊗£|⊗\$ ⊗ 2 TEIL/CLIENT TO FURNISH THE CABLE SIZES FOR CBCT DESIGN. PT:- 3PH, 5 LIMB DRAWOUT TYPE POTENTIAL XMER WITH DUAL SECONDARY WDGS CBCT:- CORE BALANCE CURRENT TRANFORMER (NO. INDICATES QUANTITY) CT:- CURRENT TRANSFORMER VACCUM CIRCUIT BREAKER LOCAL/REMOTE SELECTOR SWITCH (STAY-PUT TYPE) IND. INDICATES QUANTITY! IND. INDICATES QUANTITY! 12 WINDOW ANNUNCIATOR 6 WINDOW ANNUNCIATOR MULTI FUNCTION RELAY TERMINAL BLOCK MOTOR OPERATED SPRING CHARGED DESCRIPTION TRIP, NEUTRAL, CLOSE SELECTOR SWITCH ELECTRONIC HODTER - DRAWOUT DEVICE TEST TERMINAL BLO PISTOL GRIP TYPE EQUPMENTS HT HRC FUSE MCB SYMBOL , O= 0 I 0 MFR 0 V5506C (E) PROTOCOL. NOTES:-USED ON: 7 36 0 O CEOMBLON GEEVAES FLD'
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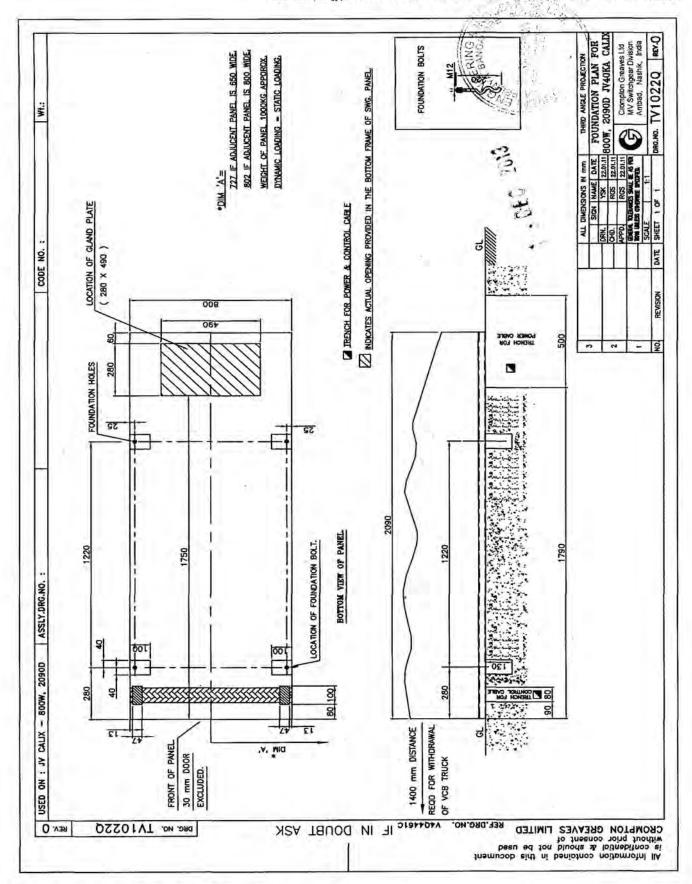






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W.O.NO.V5506C

6.6kV HT SWITCHBOARD FOR RSSB

				25.09.13	13.11.13	
Sr.No.	Drg No.	Drg Description	Page No	Page No BSP Comment 1	CGL Reply 1	Remarks
		SLD		Revised CTR to 800/1+1A. Add 87BB	Complied	
				in LPT panel. CBCT ratio should be		
1	V6Q12983		2	100/1A		
		SLD		3No. 1-ph voltmeter shall be provided Complied	Complied	
				in LPT & general comments		
7	V6Q12983		3			
က	V4Q8421	GA	3	Remove Marshalling Panel	Complied	
		GA		Annunciator shall be dual supply	Complied	
				AC/DC. R,Y,B ph indication is not		
				required for I/C, O/G. Add 87BB relay,		
				3No. 1-ph voltmeter in LPT panel		
4	V4Q8421		5			
5	V6Q13121	Power circuit	1	general comment	Complied	
9	V6Q13121	Power circuit	2	additional CT core and 87BB relay	Complied	
7	V6Q13121	incomer	3_9	General Comments	Complied	
8	V6Q13123	LPT	2	Add 87BB in LPT panel	Complied	
6	V6Q13123	LPT	3	remove ACDC fail relay	Complied	
		Outgoing panel		General comments same as incomer		
10	V6Q13125		1 9		Noted	

W.O.NO.V5506C

6.6kV HT SWITCHBOARD FOR RSSB

Sr.No.	Drg No.	Drg Description	Page No	Page No Mecon comment 1	CGL Reply 1	Remarks
н	3110	Title Block	1	General Comments	Noted	
2	V4Q8421	GA	ιn	59/59N/27/60 in LPT Panel	all the protection is inbuilt function of MFR in Incomer	
m	V4Q8401	Ą	9	Ammeter for R and B phase is not given for O/G Feeder	As per approved SLD, and MOM with M/s MECON and BSP, only one ammeter is required in middle phase. We request your approval on the same.	
4	V6Q13121	V6Q13121 schematic	1_9	General Comments	noted	
5	V6Q13125	V6Q13125 schematic	1_9	General Comments	noted	