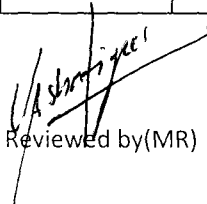



## POWER GRID COMPANY OF BANGLADESH LTD.

QUALITY MANUAL  
REVISION HISTORY

REVISION DETAILS				REVISION STATUS	
SL#	Referred Section	Revision#	Changed Details	Date of Amendment	Approval
1	QF- SPMD-1	01	Test Item legend abbreviation increased	11/11/2012	
2	QF- SPMD-2	01	1. Zone wise distance relay reach function added in detail.	11/11/2012	
3	QF- SPMD-3	01	1. instantanous over current & earth fault test function added. 2. DEF function added. 3. Current setting , Polarising Phase & RCA added.	11/11/2012	
4	QF- SPMD-8	01	1. Title has been changed from " Relay Setting" to "Feeder Protection Setting" 2. Feeder detail & Distance Relay setting function added	11/11/2012	
5	QF- SPMD-9	01	1. Title has been changed from " Equipment Data for SPM" to "Transformer Protection Setting" 2. Transformer detail with detail relay setting with oil & Winding temprature Relay setting added.	11/11/2012	
6	QF- SPMD-11	01	1. Indicating meter error column added. 2. Test function with secondary injection added.	11/11/2012	



Reviewed by(MR)



Approved by(MD)

Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: Annual Maintenance Program								
Document No:	QF-SPM-01	Revision No.:	01	Effective Date:	11/11/12	Page:	1	of	1

POWER GRID COMPANY BANGLADESH LTD.

Annual Maintenance Program

Office: SPMD, ....., PGCB.

Prepared on...../...../.....

Period: from: ...../...../20..... to...../...../20.....

Name of the Sub-station	Name of the Feeder	Test Items Relay & Meters	Date: (As per outage Program of Grid Sub-station)	Remarks
		Insert key word from Legend		
		O/C IM EM		
		21M1 IM EM		

<b>Legend</b>	21M1= Main-1 Distance Relay	21M2= Main-2 Distance Relay
	O/C = Over Current relay	87T/87N= Transformer Diff & REF Relay
	IM= Indicating Meter	EM= Energy meter
	BP= Bus Protection	TRS= Transformer Self Protection
	87L= Line Diff Relay	

Prepared by:

Checked by:

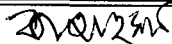
Assistant / Deputy Manager  
SPMD/Metering Division, .....,  
PGCB

Manager  
SPMD/Metering Division, .....,  
PGCB

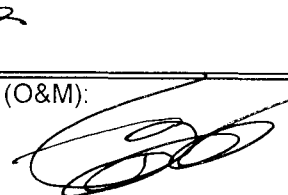
Counter Signed by:

Deputy General Manager  
SPMC, PGCB

Reviewed by (DGM SPMC):



Approved by Director (O&M):



Quality	POWER GRID COMPANY OF BANGLADESH LTD.						QUALITY FORMS		
Management System	TITLE: Distance Relay Test Report								
Document No:	QF-SPM-02	Revision No.:	01	Effective Date:	11/11/12	Page:	1	of	2

**POWER GRID COMPANY OF BANGLADESH LTD.  
Distance Relay Test Report**

Name Of The Substation:	CTR=
Name Of The Line Feeder:	PTR=
Relay Type	DATE
Relay Serial No	Manufacturer:
Testing Instrument	
Testing Type: Annual maintenance/ Emergency	

		Z1	Z1E	Z2	Z2E	Z3	Z3E	Reverse Zone	Starter zone	Resistive Reach
Relay Setting	Impedance									
	Time									

Test Result: Machine Generated Results Can be added.

Phase L1-E:


Testing Imp (Z)	Angle	Zone	T nominal	T Actual	% DEV	Passed/ Failed
1						
2						
3						
4						
5						

Phase L2-E

Sl. No	Testing Imp (Z)	Angle	Zone	T nominal	T Actual	% DEV	Passed/ Failed
1							
2							
3							
4							
5							

Phase L3-E

Sl. No	Testing Imp (Z)	Angle	Zone	T nominal	T Actual	% DEV	Passed/ Failed
1							
2							
3							
4							
5							

Reviewed by (DGM SPMC): 

Approved by Director (O&M): 

		<b>TITLE: Distance Relay Test Report</b>							
<b>Document No:</b>	QF-SPM-02	<b>Revision No.:</b>	01	<b>Effective Date:</b>	11/11/12	<b>Page:</b>	2	<b>of</b>	2

Phase L1-L2

Sl. No	Testing Imp (Z)	Angle	Zone	T nominal	T Actual	% DEV	Passed/ Failed
1							
2							
3							
4							
5							

Phase L2-L3

Sl. No	Testing Imp (Z)	Angle	Zone	T nominal	T Actual	% DEV	Passed/ Failed
1							
2							
3							
4							
5							

Phase L3-L1

Sl. No	Testing Imp (Z)	Angle	Zone	T nominal	T Actual	% DEV	Passed/ Failed
1							
2							
3							
4							
5							

Phase L1-L2-L3

Sl. No	Testing Imp (Z)	Angle	Zone	T nominal	T Actual	% DEV	Passed/ Failed
1							
2							
3							
4							
5							

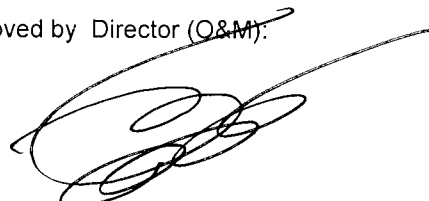
Tested By:

Checked By:

AM/DM  
SPMD,....., PGCB.

Manager  
SPMD, ....., PGCB.

Reviewed by (DGM SPMC): 

Approved by Director (O&M): 

Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: Over Current Relay Test Report								
Document No:	QF-SPM-03	Revision No.:	01	Effective Date:	11/11/12	Page:	1	of	1

**POWER GRID COMPANY OF BANGLADESH LTD.  
Over Current Relay Test Report**

Name Of The Substation:	CTR:-
Name Of The Feeder:	DATE:
Relay Type:	Manufacturer:
Relay Amps:	Relay Serial No. :

Phase	Duty	Is (A)	T.M.S	Ch. Curve	Polarizing Phase	RCA	Pick up	Drop off	Current Injected	Calculated time	Actual time	% Error	Signal	Dir Operating Area	Remarks
R Element	51/67														
	50/DT														
Y Element	51/67														
	50/DT														
B Element	51/67														
	50/DT														
N Element	51N /67N														
	50N/DT														

Tested By:

Checked By:

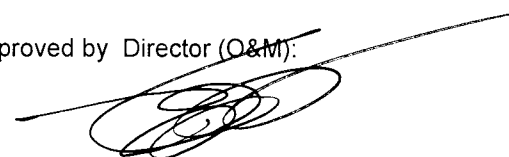
AM/DM  
SPMD,....., PGCB.

Manager  
SPMD, ..... , PGCB.

Reviewed by (DGM SPMC):



Approved by Director (O&M):



Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: Energy Meter Test Report								
Document No:	QF-SPM-04	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	1

POWER GRID COMPANY OF BANGLADESH LTD.  
**Energy Meter Test Report**

Name of Office: Metering Division/SPMD, ....., PGCB.

Date of test: .... /...../20 .....

Name of Sub-station:.....

Name of feeder	Meter sl. no. Exp.(E) Imp. (I)	Meter reading (Time)	Manufacturer & Year	Meter accuracy class & Constant	No. of Element	LCT	LPT	MCT	MPT	DMF	OMF	Phase Seq.	% of Error	Phasor Diagram or I,V, φ value	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)

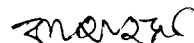
Tested By:

Checked By:

AM/DM  
 SPMD/Metering Division ,....., PGCB.

Manager  
 SPMD/Metering Division, ....., PGCB.

Reviewed by (DGM SPMC):



Approved by Director (O&M):



Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: Monthly Under Frequency Status Report								
Document No:	QF-SPM-05	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	1

**POWER GRID COMAPNY OF BANGLADESH LTD.**  
 Monthly Under Frequency Status Report as on...../...../20....

Name of Division: SPMD, ....., PGCB

Sl. no.	Name of Sub-station	Name of feeder	Average Load at Evening Peak Hour (MW)					Remarks	
			Stage-1	Stage-2	Stage-3	Stage-4	Stage-5		
			Setting-Time-	Setting-Time-	Setting-Time-	Setting-Time-	Setting-Time-		
Total:									
Grand Total= .....			MW						

Prepared By:

Checked By:

AM/DM  
 SPMD,....., PGCB.

Manager  
 SPMD, ....., PGCB.

Reviewed by (DGM SPMC): 

Approved by Director (O&M): 

Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS
	TITLE: PRESENT STATUS OF AUTO LOAD SHEDDING SCHEME BY UNDER FREQUENCY RELAY FOR LOAD GENERATION BALANCE OF LARGE GENERATION SHORT FALL (Monthly Status)					
Document No:	QF-SPM-06	Revision No.:	00	Effective Date:	11/11/12	Page: 1 of 1

**POWER GRID COMPANY OF BANGLADESH LIMITED**

**PRESENT STATUS OF AUTO LOAD SHEDDING SCHEME BY UNDER FREQUENCY RELAY FOR LOAD GENERATION BALANCE OF LARGE GENERATION SHORT FALL (Monthly Status)**

(SUMMARY SHEET)

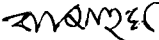
S.I no	Name of SPM Division	Average Load at evening peak hour (MW)					Total (MW)	Remarks
		.....Hz ..... Sec	.....Hz ..... Sec	.....Hz ..... Sec	.....Hz ..... Sec	.....Hz ..... Sec		
1	2	3	4	5	6	7	8	10


Prepared By:

Counter Signed By:

SPMC, ....., PGCB.

DGM, SPMC

Reviewed by (DGM SPMC):  Approved by Director (O&M):





Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: Analysis of the Fault Report								
Document No:	QF-SPM-07	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	1

**POWER GRID COMPANY OF BANGLADESH LTD.  
Analysis of the Fault Report**

Name Of SPMD:

Name of the Sub-station	Name of the Feeder	Date & Time of fault	Relay Signal	Root cause of the fault	Action suggested	Effectiveness of action taken	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

NB: Add Separate Sheet if Necessary

Prepared By

Checked By

Reviewed By

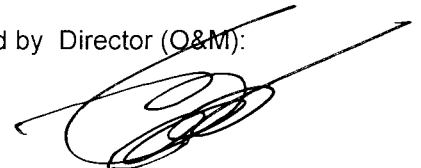
AM/DM  
SPMD,.....PGCB

Manager  
SPMD,.....PGCB

DGM, SPMC

Reviewed by (DGM SPMC): 

Approved by Director (Q&M):



Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: Feeder Protection Setting								
Document No:	QF-SPM-08	Revision No.:	01	Effective Date:	11/11/12	Page:	1	of	2

**POWER GRID COMPANY OF BANGLADESH LTD.**  
**Feeder Protection Setting**

Name of The S/S:	Feeder Name-->		Settings (Main1)	Settings (Main2)
	Voltage Level (kV)	CTR-->		
		PTR-->		
	Line Length (km)			
	Primary Imp. (ohm)			
	Line Angle (Deg.)			
	(Unit)			
Function	Dist. Relay Model no.			
21	Zone1 Imp.	(ohm)		
	Zone2 Imp.	(ohm)		
	Zone3 Imp.	(ohm)		
	Start Zone Imp.	(ohm)		
	Rev. Zone Imp.	(ohm)		
	Zone1 time delay	(Sec)		
	Zone2 time delay	(Sec)		
	Zone3 time delay	(Sec)		
	Start Zone time delay	(Sec)		
	Rev. Zone time delay	(Sec)		
	PSB time	(Sec)		
	Zone1 ext.	(ohm)		
	Com. Scheme Used			
	Other Settings(if any)			
50	Ip	(Amp.)		
	Tdelay	(Sec.)		
51	Curve Type			
	Ip	(Amp.)		
	TMS			
50N	Ip	(Amp.)		
	Tdelay	(Sec.)		
51N	Curve Type			
	Ip	(Amp.)		
	TMS			
67	Angle	(Deg.)		
	Curve Type			
	Ip	(Amp.)		
	TMS			
67N	Angle	(Deg.)		
	%Io	(Amp.)		
	%Vo	(Volt)		
	Tdelay	(Sec.)		

Reviewed by (DGM SPMC): 

Approved by Director (O&M): 

Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.						QUALITY FORMS			
	TITLE: Feeder Protection Setting									
Document No:	QF-SPM-08	Revision No.:	01	Effective Date:	11/11/12	Page:	2	of	2	

59(O/V)	Vset	(Volt)	
	Tdelay	(Sec.)	
27(U/V)	Vset	(Volt)	
	Tdelay	(Sec.)	
NVD	Vset	(Volt)	
	Tdelay	(Sec.)	
50BF	Ip	(Amp.)	
	Tdelay	(Sec.)	
79 AR	Dead Time (1-Φ)	(Sec.)	
	Dead Time (3-Φ)	(Sec.)	
	Reclaim Time	(Sec.)	
87Tee (Current Op.)*	Ip main zone	(amp)	
	Ip check zone	(amp)	
87Tee (Voltage Op.)*	Vp main zone	(Volt)	
	Vp check zone	(Volt)	
87L	Ip	(Amp.)	
	Slope1(M1)		
	Slope2(M2)		

\* for one & half bus only

Remarks:

Prepared By

Checked By

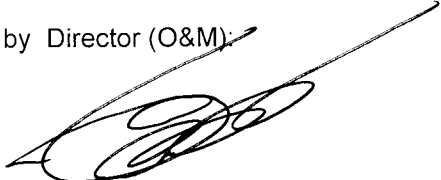
Reviewed By

AM/DM  
SPMD,.....PGCB

Manager  
SPMD,.....PGCB

DGM, SPMC

Reviewed by (DGM SPMC): 

Approved by Director (O&M): 

Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: Transformer Protection Setting								
Document No:	QF-SPM-09	Revision No.:	01	Effective Date:	11/11/12	Page:	1	of	1

**POWER GRID COMPANY OF BANGLADESH LTD.**  
**Transformer Protection Setting**

Name of The S/S:	Feeder Name-->		HV		MV		LV	
	Voltage Level							
	CTR (Bushing CT)							
	CTR (Post CT)							
MVA rating	(MVA)							
% Imp. (+ve Seq.)								
% Imp. (Zero Seq)								
VectorGroup								
Full Load Current	(Amp.)							
Function	Fields	(Unit)	Relay Type	Settings	Relay Type	Settings	Relay Type	Settings
50	Ip	(Amp.)						
	Tdelay	(Sec.)						
51	Curve Type							
	Ip	(Amp.)						
	TMS	(Sec.)						
50N	Ip	(Amp.)						
	Tdelay	(Sec.)						
51N	Curve Type							
	Ip	(Amp.)						
	TMS	(Sec.)						
51GN	Curve Type							
	Ip	(Amp.)						
67	TMS	(Sec.)						
	Angle	(Degree)						
	Curve Type							
87T (1)	Ip	(Amp.)						
	Slope1(M1)							
	Slope2(M2)							
	High Set							
87T (2)	Ip	(Amp.)						
	Slope1(M1)							
	Slope2(M2)							
	High Set							
Over Flux								
REF	Ip	(Amp.)						
	Vp	(Vol.)						
Oil Temp	Alarm	(°C)						
	Trip	(°C)						
Winding Temp	Alarm	(°C)						
	Trip	(°C)						

Prepared By

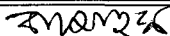
Checked By

Reviewed By

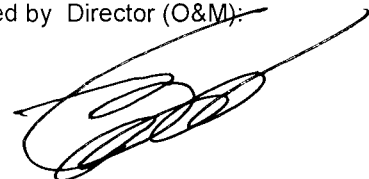
AM/DM  
SPMD,.....PGCB

Manager  
SPMD,.....PGCB

DGM, SPMC

Reviewed by (DGM SPMC): 

Approved by Director (O&M):



Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: Energy Meter Data Sheet								
Document No:	QF-SPM-10	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	1

**POWER GRID COMPANY OF BANGLADESH LTD.**  
**Energy Meter Data Sheet**

Name of SPMD/ Metering Division:  
Name of GMD:  
Station:

Sl. No.	Feeder Name	Meter Description( Name Plate Data)									CT Description				PT Description				Comments	
		Sl. No.	Meter Type,	Manufacturer and Year	Accuracy class	Constant	Amps	MCTR	MPTR	Element no.	CTR (Used)	Accuracy class	VA	Location	PTR	Type (IVT/ CVT)	Accuracy class	VA		Location
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				

Prepared By

Checked By


Reviewed By

AM/DM  
SPMD/ Metering,.....PGCB

Manager  
SPMD/Metering,.....PGCB

DGM, SPMC

Reviewed by (DGM SPMC): 

Approved by Director (O&M): 

Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: Indicating Panel Meter Test Report								
Document No:	QF-SPM-11	Revision No.:	01	Effective Date:	11/11/12	Page:	1	of	1

**POWER GRID COMPANY OF BANGLADESH LTD.  
Indicating Panel Meter Test Report**

Name Of The Substation:	CTR =	PTR=
Name Of The Feeder:	Test type= On load test/ test by injection	
DATE	Meter type: Analog / Digital	

Ampere meter test					
Sl No.	Phase	Injected Amps (A)	Measuerd Amps (A)	Calculated Ratio	% Error
1	R				
	Y				
	B				
2	R				
	Y				
	B				
3	R				
	Y				
	B				
4	R				
	Y				
	B				

Voltmeter Test					
Sl No.	Phase	Injected Volt	Measuerd Volt	Calculated Ratio	% Error
1	Va-n				
	Vb-n				
	Vc-n				
	Vab				
	Vbc				
	Vca				
2	Va-n				
	Vb-n				
	Vc-n				
	Vab				
	Vbc				
	Vca				

SL No	MW meter test			MVAR meter test			PF Meter Test			Frequency meter test			
	MW injected	MW measured	% Error	MVAR injected	MVAR measured	% Error	Injected Phase angle	Measured PF	Calculated PF	% Error	Frequency Injected	Frequency measured	% Error

Tested By

AM/DM ,Metering Division, PGCB

Checked By

Manager, Metering Division, PGCB

Reviewed by (DGM SPMC): 

Approved by Director (O&M): 

Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: Yearly Maintenance Schedule								
Document No:	QF-SPM-12	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	1

**POWER GRID COMPANY OF BANGLADESH LTD.**  
**Yearly Maintenance Schedule for ..... to ..... (Period: July ..... to June .....)**  
**System Protection & Metering Division -**

Month →	July.....	August.....	September..	October...	November...	December...	January....	February....	March.....	April....	May.....	June.....
Month Index	1	2	3	4	5	6	7	8	9	10	11	12
Last date of Week												
Weeks →	1	2	3	4	5	6	7	8	9	10	11	12
Substation:												
Feeder Name												
R												
M												
R												
M												
R												
M												
R												
M												
R												
M												
R												
M												
R												
M												

Prepared By

Checked By

Legend

AM/DM, SPMD/Metering Division, PGCB

Manager, SPMD/ Metering Division, PGCB

- Red Color = Relay Test Planned
- Blue Color = Relay Test Executed
- Green Color = Meter Test Planned
- Orange Color = Meter Test Executed



Reviewed by (DGM SPMC): *[Signature]*

Approved by Director (O&M):

*[Signature]*

Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: Transformer Test Report								
Document No:	QF-SPM-13	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	1

**POWER GRID COMPANY OF BANGLADESH LTD.  
Transformer Test Report**

Name of the Substation:

Name of the TR Feeder:

Voltage Levels:

TR Rating (MVA)

Date:

Testing Type: Annual maintenance/ Emergency Maintenance:

Function	Relay Type	CT Used Line/ TR Bushing	Tested Ok/ Not ok	Breaker tripping		Signal		Comments
				HV	LV	Relay Panel	Control Panel	
O/C relay HV								
E/F Relay HV								
TR. Neutral Relay								
DOC Relay LV								
DEF Relay LV								
O/C Relay								
E/F Relay LV								
Self Diff Relay								
Overall Diff Relay								

**TR Self Test:**

Function	Setting	Breaker Tripping Scheme		Actual Breaker Tripping		Signal	Comments
		HV	LV	HV	LV		
WTI Alarm							
WTI Trip							
OTI Alarm							
OTI Trip							
Bucholz (Main Tank Alarm)							
Bucholz -(Main Tank Trip)							
Bucholz (Tap Changer Trip)							
PRD Trip							
Others							

Tested By:

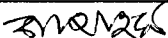
Checked By:

AM/DM

SPMD,....., PGCB.

Manager

SPMD, ..... , PGCB.

Reviewed by (DGM SPMC): 

Approved by Director (O&M):





Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.						QUALITY FORMS		
	TITLE: Differential Relay Test Report								
Document No:	QF-SPM-14	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	1

POWER GRID COMPANY OF BANGLADESH LTD.  
Differential Relay Test Report

Name Of The Substation:	CTR 1=
Name Of The Feeder:	CTR-2=
Relay Type	Matching CTR-1
Relay Serial No	Matching CTR-2
Duty:	DATE
Manufacturer	

Relay Setting	Id>	
	Id>>	
	Slope-1	
	Slope-2	
	High set	

Sensitivity Test:

Phase		Current Injected	Pickup Current	Breaker tripping	Signal		Remarks
					Relay Panel	Control Panel	
R Element	Side-1						
	Side-2						
Y Element	Side-1						
	Side-2						
B Element	Side-1						
	Side-2						

Slope Test: (Slope-1)

		Injected (A)	I Diff	I Rest	Slope Given	Actual Slope	% Error	High Set test	Remarks
R Element	Side-1								
	Side-2								
Y Element	Side-1								
	Side-2								
B Element	Side-1								
	Side-2								

Add additional table for other slopes if necessary

Tested By:

AM/DM  
SPMD,....., PGCB.

Checked By:

Manager  
SPMD, ..... , PGCB

Reviewed by (DGM SPMC): 

Approved by Director (O&M):



Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: Line feeder Test Report								
Document No:	QF-SPM-15	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	1

POWER GRID COMPANY OF BANGLADESH LTD.  
**Line feeder Test Report**

Name of the Substation:  
Name of the Line Feeder:  
Voltage Level  
Date  
Testing Type: Annual maintenance/ Emergency Maintenance:

Distance Relay		Main-1				Main-2			
Relay Type									
CTR used									
Function		Tested Ok / Not ok	Breaker tripping	Signal		Tested Ok/ Not ok	Breaker tripping	Signal	
				Relay Panel	Control Panel			Relay Panel	Control Panel
Zone Reach	Z1								
	Z2								
	Z3								
	Reverse zone								
	Starter Zone								
Resistive reach Phase									
Resistive reach Earth									
Scheme used Basic, PUR, POR others									
Comm. Channel healthy	DIST		x				x		
	DEF		x				x		
Distance Aided Trip									
Additional Protection functions									
Auto Reclosing			x				x		
DEF Permissive									
DEF Delayed									
Dir Over Current									
Non dir Over Current									
Earth Fault									
More function									

Back up Relay					
Relay Type					
CTR used					
Dir Over Current					
Non dir Over Current					
Earth Fault					
More function					

Tested By:

Checked By:

AM/DM  
SPMD,....., PGCB.

Manager  
SPMD, ....., PGCB

Reviewed by (DGM SPMC): *MANZA*

Approved by Director (O&M):



Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: Current Transformer Test Report								
Document No:	QF-SPM-16	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	1

**POWER GRID COMPANY OF BANGLADESH LTD.  
Current Transformer Test Report**

Name of the Substation:

Name of the Feeder:

Serial No / Phase:

Date:

CT Data					TEST RESULTS								
Core	Available Ratios	CT Sec Amp	Class	VA	Tested Ratio	Measured connected VA	Magnetization		Ratio			Polarity	Comments
							Vk	Ik	Current Injected	Current Measured	Error (%)		
Core No-1													
Core No-2													
Core No-3													
Core No-4													
Core No-5													

Tested By:

Checked By:

AM/DM  
SPMD/ Metering Division,.....,  
PGCB.

Manager  
SPMD/ Metering Division, .....  
PGCB.

Reviewed by (DGM SPMC): 

Approved by Director (O&M): 

Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: Potential Transformer Test Report								
Document No:	QF-SPM-17	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	1

**POWER GRID COMPANY OF BANGLADESH LTD.  
Potential Transformer Test Report**

Name of the Substation:  
Name of the Feeder:  
Name of the Feeder:  
Serial No / Phase:  
Date

PT Data				TEST RESULTS					
Core	Ratio	Class	VA	VA Measured	Polarity	Ratio			Comments
						Voltage Injected	Voltage Measured	Error (%)	
Core No-1									
Core No-2									
Core No-3									

Tested By:

Checked By:

AM/DM  
SPMD/ Metering Division,.....,  
PGCB.

Manager  
SPMD/ Metering Division, .....  
PGCB

Reviewed by (DGM SPMC): 

Approved by Director (O&M):



Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.						QUALITY FORMS		
	TITLE: Relay Availability Report								
Document No:	QF-SPM-18	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	1

**POWER GRID COMPANY OF BANGLADESH LTD.  
Relay Availability Report.**

Name of the SPMD:  
Date

Sl.No.	Relay Type	Manufacturer	Protection Functions	Secondary CT Current	DC Biasing volts	Total no used in Division	Total in Store	No. of Alternate relay available in store	Comments

Prepared By


Checked By

Reviewed By

AM/DM  
SPMD,.....PGCB

Manager  
SPMD,.....PGCB

DGM, SPMC

Reviewed by (DGM SPMC): 

Approved by Director (O&M):

