

Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: ALLOCATION OF FUNCTION WEIGHTAGE FOR SUB-STATION CONSTRUCTION								
Document No:	QF-PIM-01	Revision No.:	01	Effective Date:	11/11/12	Page:	1	of	1

POWER GRID COMPANY OF BANGLADESH LTD.

ALLOCATION OF FUNCTION WEIGHTAGE FOR SUB-STATION CONSTRUCTION

Sl. No.	Description	Unit	For New Sub-station	For Sub-station extension with foundation works	For Sub-station extension without foundation works
			Weight (%)	Weight (%)	Weight (%)
1	Design approval	km	10%	10%	10%
2	Earth filling / Site development	lot	6%	-	-
3	Outdoor foundation	lot	5%	5%	-
4	Transformer foundation	no.	2%	2%	-
5	Control Building	no.	4%	4%	-
6	Boundary Wall	m	2%	2%	-
7	Cable Trenches	m	2%	2%	2%
8	Surfacing and drains	m	4%	4%	4%
9	Septic Tank and Water supply	lot	1%	-	-
10	Gate and guard house	lot	1%	1%	1%
11	Internal Road	m	3%	3%	3%
12	Interim	lot	0%	9%	6%
13	Supply	lot	30%	26%	40%
14	Erection	lot	10%	12%	14%
15	Installation	lot	13%	13%	13%
16	Testing and commissioning	lot	7%	7%	7%
	TOTAL WORK		100%	100%	100%

N. B: Where there is no interim work in the scope. Percentage allocation shall be redefined by the Project Director and approval shall be taken from GM Project

Reviewed by (GMP):

Approved by (DP&D) :

Deputa

QUALITY MANAGEMENT SYSTEM	POWER GRID COMPANY OF BANGLADESH LTD.				QUALITY FORMS	
	TITLE: PROGRESS REPORT ON TRANSMISSION LINE CONSTRUCTION					
Document No.:	QF-PIM-02	Revision No.:	01	Effective Date:	11/11/12	Page: 1 of 1

Power Grid Company of Bangladesh Ltd. (PGCB)

Name of the Project:

Consultant:

Contractor:

Contract No. & Date :

Reporting Date :/...../20.....

Route Length of the line : Km

Total Number of Tower : Nos.

.....Type = Towers

.....Type = Towers

.....Type = Towers

.....Type = Towers

Total = Towers

Date of Contract Agreement :/...../20.....

Contract value: **Foreign currency**.....

Local currency.....

Present status of Progress up to:/...../20.....

Total Pile

Pile cap

Total Erection

Stringing Completed

1. Pay out

2. Final sag

Total Qty.	Completed	Balance
..... Nos.	..... Nos.	.....
..... Nos.	..... Nos.	.....
..... Nos.	..... Nos.	.....
..... Km	..... Km	.....
..... Km	..... Km	.....

Piling completed :

.....Type T# = Towers

.....Type T# = Towers

.....Type T# = Towers

.....Type T# = Towers

Pile Cap Completed:

.....Type T# = Towers

.....Type T# = Towers

.....Type T# = Towers

.....Type T# = Towers

Tower Erection completed :

.....Type T# = Towers

.....Type T# = Towers

.....Type T# = Towers

.....Type T# = Towers

Stringing :

- Pay Out : T # to T # = Km

- Final Sag : T # to T # = Km

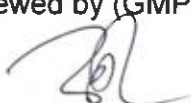
- In Progress: T # to T # = Km

Remarks:

N.B. Preferred to be sent electronically.

Reviewed by (GMP):

Approved by (DP&D):




QUALITY MANAGEMENT SYSTEM	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: PROGRESS REPORT								
Document No.:	QF-PIM-03	Revision No.:	01	Effective Date:	11/11/12	Page:	1	of	1

Power Grid Company of Bangladesh Ltd.

Progress report of construction of Transmission Line

Name of the work:

Name of the consultant:

Name of the contractor:

Contract No.: and date:

Contract Amount: FC: LC:

Completion date:

Sl #	Description	Total weightage			Work completed as on (weightage)		
		Qty	Unit	Weightage (%)	Qty	Unit	Wt (%)
1	Survey including submission of plan and profile, soil test.		Km	5%		Km	%
2	Design, approval and tower test		Km	5%		Km	%
3	Foundation Pile		Lot	27%		Lot	%
4	Pile Cap		Lot	10%		Lot	%
5	Supply		m	30%		m	%
6	Tower Erection		Lot	10%		Lot	%
7	Stringing		Km	8%		Km	%
8	Route clearance, Testing and commissioning		Km	5%		Km	%
TOTAL WORK				100%			%
Work Remaining				100	-	=	%

N.B. Preferred to be sent electronically.

Reviewed by (GMP):



Approved by (DP&D):



QUALITY MANAGEMENT SYSTEM	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: PROGRESS REPORT								
Document No.:	QF-PIM-04	Revision No.:	01	Effective Date:	11/11/12	Page:	1	of	1

Power Grid Company of Bangladesh Ltd.

Progress report on construction of Sub-Station

Rating : 132/33KV ☐ 230/132KV ☐

Name of the work:

Name of the consultant:

Name of the contractor:

Contract No: and Date :

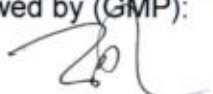
Contract Amount : FC: LC:

Completion date:

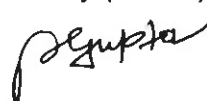
SI #	Description of works (As necessary and applicable)				Work completed as on		
		Qty	Unit	Weightage (%)	Qty	Unit	Wt (%)
1	Design approval			10%			
2	Earth filling / Site development			6%			
3	Outdoor foundation			5%			
4	Transformer foundation			2%			
5	Control Building			4%			
6	Boundary Wall			2%			
7	Cable Trenches			2%			
8	Surfacing and drains			4%			
9	Septic Tank and Water supply			1%			
10	Gate and guard house			1%			
11	Internal Road			3%			
12	Supply			30%			
13	Erection			10%			
14	Installation			13%			
15	Testing and commissioning			7%			
	TOTAL WORK			100%			%
	Work Remaining			100%	-	=	100 %

N.B. Preferred to be sent electronically.

Reviewed by (GMP):



Approved by (DP&D):



QUALITY MANAGEMENT SYSTEM	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: INSPECTION REPORT FORM								
Document No.:	QF-PIM-05	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	1

Power Grid Company of Bangladesh Ltd. (PGCB)
Inspection report form

INSPECTION REPORT FORM

Rating: 132/230KV ☐ 230/132KV ☐

Line Length:

Name of the work:

Contract #

Contract date:

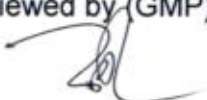
Name of the contractor:

Name of the consultant:

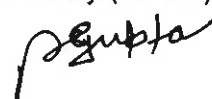
Contract Amount:

Sl #	Description of Equipment/ Work/ Material	Specification As Per Contract	Site/Field/ Plant Inspection Result	Comment
1				
3				
4				
5				
6				
7				
8				
9				
10				

Reviewed by (GMP):



Approved by (DP&D):



QUALITY MANAGEMENT SYSTEM	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: QUALITY ASSURANCE FORM								
Document No.:	QF-PIM-06	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	1

Power Grid Company of Bangladesh Ltd. (PGCB)
Quality Assurance form

Rating: 132/230KV ☐ 230/132KV ☐

Line Length:

Name of the work:

Contract #

Contract date:

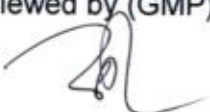
Name of the contractor:

Name of the consultant:

Contract Amount:

SI #	Description work / Item/ Material	As per contract	Field condition	Comment
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Reviewed by (GMP):



Approved by (DP&D):



Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORM			
	TITLE: TAKING OVER CERTIFICATE – TRANSMISSION LINE								
Document No:	QF-PIM-07	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	3

**POWER GRID COMPANY OF BANGLADESH LIMITED
(PGCB)**



TAKING OVER CERTIFICATE TRANSMISSION LINE

Name of the Project:.....

Month, year
Dhaka, Bangladesh

Contract No.
Contract Name:

Loan Agreement No.

Contractor

.....

Consultant

.....

Reviewed by (GMP):

Approved by (DP&D):

Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORM			
	TITLE: TAKING OVER CERTIFICATE – TRANSMISSION LINE								
Document No:	QF-PIM-07	Revision No.:	00	Effective Date:	11/11/12	Page:	2	of	3

Contract Name:

Contract No.

TAKING OVER CERTIFICATE	
<p>This is to certify that on successful energization of the works described hereunder on, PGCB has been pleased to take over the same and issue taking over certificate in accordance with the terms and conditions (clause and ... page to ...vol. ...of ...) of the contract no. Dated) between and Power Grid Company of Bangladesh Ltd. (PGCB), Dhaka, Bangladesh with the conditions mentioned below:</p>	
1. Employer:	
2. Consultant:	
3. Contractor:	
4. Contract No.:	
5. Subject:	
6. Description of Transmission Line:	
6.1 Line length:	.... km
6.2 No. of Towers:	.....Nos.
6.3 Type & quantity of Towers:	2DL/4DL: ....Nos. 2DL1/4DL1: ....Nos. 2DL25/4DL25: ....Nos.
6.4 Type of Conductor:	.....
6.5 Type of Earth wire:	.....
6.6 Type of OPGW:	.....
6.7 No. of Joints box of OPGW:	.....
7.1 As built drawing with route map	.....
7.2 O&M manual (if any)	.....
7.3 Supply of spares (if any)	.....
8.1 Erection Time:	
8.2 Contract Date:	.....
8.3 Completion Time as per Contract:	.....
8.4 Actual time of completion:	.....
9.0 Effective date of TOC:	.....

Reviewed by (GMP):

Approved by (DP&D):

[Signature]

Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORM			
	TITLE: TAKING OVER CERTIFICATE – TRANSMISSION LINE								
Document No:	QF-PIM-07	Revision No.:	00	Effective Date:	11/11/12	Page:	3	of	3

10. Minor faults and/or omissions:	
11. Warrantee Period: Warrantee Period shall be..... days from the date of this Taking Over Certificate.	
12. Start of Defect Liability Period.	.....
13. End of Defect Liability Period.	.....

.....
For the Employer

.....
For the Contractor

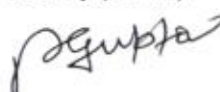
.....
For the Consultant

Annex:
Punch List for Works on transmission line.



Reviewed by (GMP):

Approved by (DP&D):



Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.						QUALITY FORM		
	TITLE: TAKING OVER CERTIFICATE – SUBSTATION								
Document No:	QF-PIM-08	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	3

Power Grid Company of Bangladesh (PGCB) Ltd.



TAKING OVER CERTIFICATE

SUBSTATION

Name of the Project:.....

Month, year
Dhaka, Bangladesh

Contract No.
Contract Name:

Loan Agreement No.

Contractor

.....

Consultant

.....

Reviewed by (GMP):

Approved by (DP&D):

Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORM			
	TITLE: TAKING OVER CERTIFICATE – SUBSTATION								
Document No:	QF-PIM-08	Revision No.:	00	Effective Date:	11/11/12	Page:	2	of	3

PROJECT AT A GLANCE

1)	Name of the project	:	.....
2)	Contract No.	:	.....
3)	General Description	:	.....

DESCRIPTION OF THE EQUIPMENT

..... 230/132Kv SUBSTATION:

4)	Power Transformers	:	
5)	230kV Bay comprising of CB, DS, ES, CT, PT & LA.	:	
6)	Control & Protection panels	:	
7)	Busbar	:	
8)	Post & Disc insulator	:	
9)	Protective relays & Fiber optic multiplexer equipment	:	
10)	Digital fault and disturbance recorder(DFDR)	:	
11)	Auxiliary Power Transformer at Baghabari 230/132kV SS	:	
12)	Battery	:	
13)	Charger	:	i
14)	Fire fighting system	:	

EXTENSION OF KV SUBSTATION :

15)	230Kv Bay comprising of CB, DS, ES, CT, PT & LA	:	
16)	Protective relays & Fiber optic multiplexer equipment	:	
17)	Disc insulator	:	
18)	Documentation	:	
	As built drawing	:	
	O&M manual	:	
19)	Supply of spares (if any)	:	

For the Employer

For the Contractor

Reviewed by (GMP):

Approved by (DP&D):

[Signature]

Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORM			
	TITLE: TAKING OVER CERTIFICATE – SUBSTATION								
Document No:	QF-PIM-08	Revision No.:	00	Effective Date:	11/11/12	Page:	3	of	3

TAKING OVER CERTIFICATE

This is to certify that on successful completion of the works described hereunder onPGCB has been pleased to take over the same and issue taking over certificate (TOC) in accordance with clause ... and of contract and with the condition mentioned below:

1) Employer	:	Power Grid Company of Bangladesh Ltd. (PGCB) Dhaka, Bangladesh
2) Contractor	:	.
4) Contract No.	.	Dated:
5) Subject	:	.
6) Completion time		
6.1) Contract sign	:	.....
6.2) Completion time as per contract	:	.....
6.3) Actual time of completion:	:	.....
7) Warranty Period		
a) Name of the equipment..		
Start of Defect Liability Period	:	.....
End of Defect Liability Period	:	.....
Effective date of TOC	:	.....
8) (excepting Transformer No. 2019634 and 2019635	:	.....

For the Employer

For the Contractor

Reviewed by (GMP):

Approved by (DP&D):

[Signature]

Quality Management System	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORM			
	TITLE: FINAL ACCEPTANCE CERTIFICATE								
Document No:	QF-PIM-09	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	2

**POWER GRID COMPANY OF BANGLADESH LIMITED
(PGCB)**



FINAL ACCEPTANCE CERTIFICATE

Name of the Project:.....

Month, year
Dhaka, Bangladesh

Contract No.
Contract Name:

Loan Agreement No.

Contractor

.....

Consultant

.....

Reviewed by (GMP):

Approved by (DP&D):

QUALITY MANAGEMENT SYSTEM	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS			
	TITLE: APPROVAL STATUS DESIGN, DRAWING AND DOCUMENTS								
Document No.:	QF-PIM-10	Revision No.:	00	Effective Date:	11/11/12	Page:	1	of	1

Power Grid Company of Bangladesh Ltd. (PGCB)
Approval Status Design, Drawing and Documents

Rating: 132/230KV ☐ 230/132KV ☐

Line Length:

Name of the work:

Contract #

Contract date:

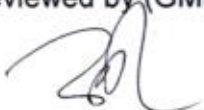
Name of the contractor:

Name of the consultant:

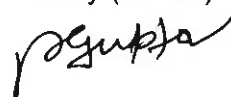
Contract Amount:

Sl #	Description of Drawing, Design, Document	Reference number	Expected date of submission	Actual Date of submission	Expected date of approval	Actual date of approval	Total nos submitted	remaining to submit
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

Reviewed by (GMP):



Approved by (DP&D):



QUALITY MANAGEMENT SYSTEM	POWER GRID COMPANY OF BANGLADESH LTD.					QUALITY FORMS
	TITLE: TESTING AND COMMISSIONING FORM					
Document No.:	QF-PIM-.11	Revision No.:	00	Effective Date:	11/11/12	Page: 1 of 1

Power Grid Company of Bangladesh Ltd. (PGCB)
TESTING AND COMMISSIONING FORM

Rating: 132/230KV ☐ 230/132KV ☐

Line Length:

Name of the work:

Contract #

Contract date:


Name of the contractor:

Name of the consultant:

Contract Amount:

Sl #	Item	Test Performed	Performance/ Test result required as per contract	Pre-Commissioning Test Result	Commissioning Test Result	Comment
1						
3						
4						
5						
6						
7						
8						
9						
10						

Reviewed by (GMP):



Approved by (DP&D)

