A. LILO of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line at Kaliganj Substation

Item	Description	Country of origin[2]	Unit	Quantity	Unit Price[1]	Total Price[1]	Taxes and Duties
					Foreign Currency [XXX]	Foreign Currency [XXX]	Local Currency [BDT]
1	2	3*	4	5	6	7= 5 x 6	8
Schedule No. 1A Plant and Mandatory Spare Parts Supplied from Abroad							
Supply of 400kV double and four circuit towers, complete with all stubs, nuts, bolts, locking nuts, washers, phase conductors and earthwire, swivels/shackles, step bolts, tower notice and identification plates, ACDs, protective coating, earthing, *bird guard* etc.							
1	**Overland Portion**						
1.1	**Tower type "4DT6"**						
1.1.1	Tower type 4DT6+9 m		each	1			
1.1.2	Tower type 4DT6+6 m		each	1			
1.2	**Tower type "4D25"**						
1.2.1	Tower type 4D25 +9 m		each	1			
1.2.2	Tower type 4D25 +4.5 m		each	1			
1.3	**Auxiliary crossarm for tower type 4DT6**		per set of three	2			
2	**Phase conductor, earthwire and OPGW cable, complete with repair sleeves and joints**						
2.1	**Overland Portion**						
2.1.1	"ACSR Finch" Phase Conductor (3 Phase, Double Circuit, Quad Bundle per phase on the line)		Route km[3]	1			
2.1.2	ACSR Dorking Earthware		Route km[3]	1			
2.1.3	ACSR Dorking Earthware equivalent OPGW inclusive of joint boxes, fixing clamps, fusion splices and connections to the joint boxes.		Route km[3]	1			
3	**Insulator strings, with associated suspension and tension clamps for quad ACSR Finch Conductor**						
3.1	**Overland Portion**						
3.1.1	a) Double tension string, 2x400kN -disc only		Set	36			
	b) Double tension string, 2x400kN -fittings only		Set	36			
3.1.2	a) Single jumper suspension I-string, having each string 1x210 kN-disc only		Set	18			
	b) Single jumper suspension I-string, having each string 1x210 kN-fittings only		Set	18			

A. LILO of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line at Kaliganj Substation

Item	Description	Country of origin[2]	Unit	Quantity	Unit Price[1]	Total Price[1]	Taxes and Duties
					Foreign Currency [XXX]	Foreign Currency [XXX]	Local Currency [BDT]
1	2	3*	4	5	6	7= 5 x 6	8
Schedule No. 1A Plant and Mandatory Spare Parts Supplied from Abroad							
Supply of 400kV double and four circuit towers, complete with all stubs, nuts, bolts, locking nuts, washers, phase conductors and earthwire, swivels/shackles, step bolts, tower notice and identification plates, ACDs, protective coating, earthing, *bird guard* etc.							
3.1.3	a) Single tension string, upright low duty 210kN- disc only		Set	12			
	b) Single tension string, upright low duty 210kN- fittings only		Set	12			
3.1.4	a) Single tension string, inverted low duty 210kN -discs only		Set	12			
	b) Single tension string, inverted low duty 210kN -fittings only		Set	12			
	OPGW and earthware sets, complete with all accessories, incl. armour rods and earth bounds						
3.1.5	Earthwire Tension set		set	6			
3.1.6	Tension set (including all fittings and accessories for surplus and to guide the OPGW to the joint box)		set	6			
	Dampers						
3.1.7	Vibration damper for phase conductor		per span	4			
3.1.8	Spacer damper for phase conductor		per span	4			
3.1.9	Vibration damper for OPGW		per span	4			
3.1.10	Vibration damper for Earthwire		per span	4			
3.1.11	Spacer for jumper		nos.	6			
4	**Aerial Markers**						
4.1	Painting of tower having height more than 60 meter in accordance with the requirements of the Technical Specification		per tower	1			
4.2	Painting of tower (Reflecting Paint) upto 3 meter in submerge area in accordance with the requirements of the Technical Specification		per tower	1			
4.3	Air craft obstruction lights solar powered complete with lamps, solar, panels, batteries, control equipment cables, support framework, tower work platform etc.		each	3			
4.4	Aircraft warning spheres		each	3			
4.5	Bird diverters		each	3			

A. LILO of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line at Kaliganj Substation

Item	Description	Country of origin[2]	Unit	Quantity	Unit Price[1]	Total Price[1]	Taxes and Duties
					Foreign Currency [XXX]	Foreign Currency [XXX]	Local Currency [BDT]
1	2	3*	4	5	6	7= 5 x 6	8
Schedule No. 1A Plant and Mandatory Spare Parts Supplied from Abroad							
Supply of 400kV double and four circuit towers, complete with all stubs, nuts, bolts, locking nuts, washers, phase conductors and earthwire, swivels/shackles, step bolts, tower notice and identification plates, ACDs, protective coating, earthing, *bird guard* etc.							
5	**Mandatory Spare Parts and Tools**						
5.1	**Tower**						
5.1.1	Galvanized Tower Steel						
(a)	Fabricated		ton	1			
(b)	Non-fabricated		ton	1			
5.2	**Insulator and Fittings**						
	Insulator sets complete with insulators and all hardware fittings including suspension clamps, tension dead ends,armour rods, arcing horn. Arcing ring etc						
	Overland Portion						
5.2.1	210kN Single Inverted Low Duty Tension Set for "Quad ACSR FINCH" - Complete Assembly		set	6			
5.2.2	210kN jumper suspension set for "Quad ACSR FINCH" - Complete Assembly		set	2			
5.2.3	400kN twin tension set for "Quad ACSR FINCH" - Complete Assembly		set	6			
5.3	**Phase conductor, earthwire, OPGW & Fittings**						
5.3.1	Midspan Joint for "Quad ACSR FINCH" conductor		each	2			
5.3.2	Repair sleeve for "Quad ACSR FINCH" conductor		each	2			
5.3.3	Spacer Damper for "Quad ACSR FINCH"		each	5			
5.3.4	Jumper Spacer for "Quad ACSR FINCH"		each	4			

A. LILO of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line at Kaliganj Substation

Item	Description	Country of origin[2]	Unit	Quantity	Unit Price[1]	Total Price[1]	Taxes and Duties
					Foreign Currency [XXX]	Foreign Currency [XXX]	Local Currency [BDT]
1	2	3*	4	5	6	7= 5 x 6	8
Schedule No. 1A Plant and Mandatory Spare Parts Supplied from Abroad							
Supply of 400kV double and four circuit towers, complete with all stubs, nuts, bolts, locking nuts, washers, phase conductors and earthwire, swivels/shackles, step bolts, tower notice and identification plates, ACDs, protective coating, earthing, *bird guard* etc.							
5.3.5	Suspension set for ACSR Dorking Equivalent OPGW		each	3			
5.3.6	Tension set for ACSR Dorking Equivalent OPGW		each	3			
5.3.7	Vibration damper for ACSR Dorking Equivalent OPGW		each	3			
5.4	**Temporary earthing equipment**		each	3			
5.5	**Elcometer**		each	3			
5.6	**Motorised jointing compressor for conductor complete with dies suitable for conductors & earthwires to be used for this Contract**		each	3			
Total Columns 8 to be carried forward to Schedule No. 5 - Grand Summary							

1 Specify currencies in accordance with ITB 19.1 of the BDS. Create additional columns for up to a maximum of three foreign currencies, if so required.

2 Bidders shall enter a code representing the country of origin of all imported plant and equipment.

3 Definition of route km: Route km is the transmission line distance between two terminal points in plan view. Route km is exclusive sag and other electrical clearances, elevation differences etc. The Contractor shall incorporate all such extra costs in his unit rate.

Country of Origin Declaration Form

Item	Description	Code	Country
1	Towers		
2	Conductor & Earthwire		
3	Disc Insualtor		
4	Fittings for ACSR / ACCC Conductor, Earthwire & Insulator		
5	OPGW & its Fittings Accessories		
6	Aviation Equipments		
7	Design & Engg + Proto Testing of Towers		

B. Connection of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line and Purbachal-Bashundhara 230kV double circuit Line at Purbachal Substation

Item	Description	Country of origin[2]	Unit	Quantity	Unit Price[1]	Total Price[1]	Taxes and Duties
					Foreign Currency [XXX]	Foreign Currency [XXX]	Local Currency [BDT]
1	2	3*	4	5	6	7= 5 x 6	8
Schedule No. 1B Plant and Mandatory Spare Parts Supplied from Abroad							
Supply of 400kV double and four circuit towers, complete with all stubs, nuts, bolts, locking nuts, washers, phase conductors and earthwire, swivels/shackles, step bolts, tower notice and identification plates, ACDs, protective coating, earthing, *bird guard* etc.							
1	**Overland Portion**						
1.1	**Tower type "2DT6"**						
1.1.1	Tower type 2DT6 +12 m		each	1			
1.2	**Auxiliary crossarm for tower type 2DT6**		per set of three	1			
2	**Phase conductor, earthwire and OPGW cable, complete with repair sleeves and joints**						
2.1	**Overland Portion**						
2.1.1	"ACSR Finch" Phase Conductor (3 Phase, Double Circuit, Quad Bundle per phase on the line)		Route km[3]	0.5			
2.1.2	"ACSR Mallard" Phase Conductor (3 Phase, Double Circuit, Twin Bundle per phase on the line)		Route km[3]	0.5			
2.1.3	ACSR Dorking Earthware		Route km[3]	0.5			
2.1.4	ACSR Dorking Earthware equivalent OPGW inclusive of joint boxes, fixing clamps, fusion splices and connections to the joint boxes.		Route km[3]	0.5			
2.1.5	7X4.0 GS earthware		Route km[3]	0.5			
2.1.6	7X4.0 GS earthware equivalent OPGW inclusive of joint boxes, fixing clamps, fusion splices and connections to the joint boxes.		Route km[3]	0.5			
3	**Insulator strings, with associated suspension and tension clamps for quad ACSR Finch and ACSR Mallard Conductor**						
3.1	**Overland Portion**						
	For Quad Bundle ACSR Finch Conductor						
3.1.1	a) Double tension string, 2x400kN -disc only		Set	12			
	b) Double tension string, 2x400kN -fittings only		Set	12			

B. Connection of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line and Purbachal-Bashundhara 230kV double circuit Line at Purbachal Substation

Item	Description	Country of origin[2]	Unit	Quantity	Unit Price[1]	Total Price[1]	Taxes and Duties
					Foreign Currency [XXX]	Foreign Currency [XXX]	Local Currency [BDT]
1	2	3*	4	5	6	7= 5 x 6	8
Schedule No. 1B Plant and Mandatory Spare Parts Supplied from Abroad							
3.1.2	a) Single jumper suspension I-string, having each string 1x210 kN-disc only		Set	6			
	b) Single jumper suspension I-string, having each string 1x210 kN-fittings only		Set	6			
3.1.3	a) Single tension string, upright low duty 210kN- disc only		Set	6			
	b) Single tension string, upright low duty 210kN- fittings only		Set	6			
3.1.4	a) Single tension string, inverted low duty 210kN -discs only		Set	6			
	b) Single tension string, inverted low duty 210kN -fittings only		Set	6			
	For Twin ACSR Mallard Conductor						
3.1.5	a) Double tension string, 2x210kN -disc only		Set	12			
	b) Double tension string, 2x210kN -fittings only		Set	12			
3.1.6	a) Single jumper suspension I-string, having each string 1x120 kN-disc only		Set	6			
	b) Single jumper suspension I-string, having each string 1x120 kN-fittings only		Set	6			
3.1.7	a) Single tension string, upright low duty 120kN- disc only		Set	6			
	b) Single tension string, upright low duty 120kN- fittings only		Set	6			
3.1.8	a) Single tension string, inverted low duty 120kN -discs only		Set	6			
	b) Single tension string, inverted low duty 120kN -fittings only		Set	6			
	OPGW and earthware sets, complete with all accessories, incl. armour rods and earth bounds						
3.1.8	Tension set for ACSR Dorking Earthwire OPGW (including all fittings and accessories for surplus and to guide the OPGW to the joint box)		set	2			
3.1.9	Tension set for ACSR Dorking Earthwire		set	2			
3.1.10	Tension set for 7x4.0 GSW equivalent OPGW (including all fittings and accessories for surplus and to guide the OPGW to the joint box)		set	4			
3.1.11	Tension set for 7x4.0 GSW Earthwire		set	4			

B. Connection of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line and Purbachal-Bashundhara 230kV double circuit Line at Purbachal Substation

Item	Description	Country of origin[2]	Unit	Quantity	Unit Price[1]	Total Price[1]	Taxes and Duties
					Foreign Currency [XXX]	Foreign Currency [XXX]	Local Currency [BDT]
1	2	3*	4	5	6	7= 5 x 6	8
Schedule No. 1B Plant and Mandatory Spare Parts Supplied from Abroad							
	Dampers						
3.1.12	Vibration damper for Quad ACSR Finch phase conductor		per span	1			
3.1.13	Spacer damper for Quad ACSR Finch phase conductor		per span	1			
3.1.14	Vibration damper for ACSR Dorking Earthwire equivalent OPGW		per span	1			
3.1.15	Vibration damper for ACSR Dorking Earthwire		per span	1			
3.1.16	Spacer for jumper (Quad ACSR Finch)		nos.	18			
3.1.17	Vibration damper for Twin ACSR Mallard phase conductor		per span	2			
3.1.18	Spacer damper for Twin ACSR Mallard phase conductor		per span	2			
3.1.19	Vibration damper for 7x4.0 GSW Earthwire equivalent OPGW		per span	2			
3.1.20	Vibration damper for 7x4.0 GSW Earthwire		per span	2			
3.1.21	Spacer for jumper (Twin ACSR Mallard)		nos.	18			
4	**Aerial Markers**						
4.1	Painting of tower having height more than 60 meter in accordance with the requirements of the Technical Specification		per tower	1			
4.2	Painting of tower (Reflecting Paint) upto 3 meter in submerge area in accordance with the requirements of the Technical Specification		per tower	1			
4.3	Air craft obstruction lights solar powered complete with lamps, solar, panels, batteries, control equipment cables, support framework, tower work platform etc.		each	3			
4.4	Aircraft warning spheres		each	3			
4.5	Bird diverters		each	3			
5	**Mandatory Spare Parts and Tools**						
5.1	**Insulator and Fittings**						
	Insulator sets complete with insulators and all hardware fittings including suspension clamps, tension dead ends,armour rods, arcing horn. Arcing ring etc						
	Overland Portion						
5.1.1	210kN twin tension set for "Twin ACSR Mallard" - Complete Assembly		set	6			
5.1.2	120kN Single inverted Low Duty tension set for "Twin ACSR Mallard" - Complete Assembly		set	6			

B. Connection of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line and Purbachal-Bashundhara 230kV double circuit Line at Purbachal Substation

Item	Description	Country of origin[2]	Unit	Quantity	Unit Price[1]	Total Price[1]	Taxes and Duties
					Foreign Currency [XXX]	Foreign Currency [XXX]	Local Currency [BDT]
1	2	3*	4	5	6	7= 5 x 6	8
Schedule No. 1B Plant and Mandatory Spare Parts Supplied from Abroad							
5.2	**Phase conductor, earthwire, OPGW & Fittings**						
5.2.1	Midspan Joint for "Twin ACSR Mallard" conductor		each	2			
5.2.2	Repair sleeve for "Twin ACSR Mallard" conductor		each	2			
5.2.3	Spacer Damper for "Twin ACSR Mallard"		each	5			
5.2.4	Vibration Damper for "Twin ACSR Mallard"		each	10			
5.2.5	Jumper Spacer for "Twin ACSR Mallard"		each	6			
5.2.6	Suspension set for 7X4.0 GS earthware Equivalent OPGW		each	3			
5.2.7	Tension set for 7X4.0 GS earthware Equivalent OPGW		each	3			
5.2.8	Vibration damper for 7X4.0 GS earthware Equivalent OPGW		each	6			
Total Columns 8 to be carried forward to Schedule No. 5 - Grand Summary							

1 Specify currencies in accordance with ITB 19.1 of the BDS. Create additional columns for up to a maximum of three foreign currencies, if so required.

2 Bidders shall enter a code representing the country of origin of all imported plant and equipment.

3 Definition of route km: Route km is the transmission line distance between two terminal points in plan view. Route km is exclusive sag and other electrical clearances, elevation differences etc. The Contractor shall incorporate all such extra costs in his unit rate.

Country of Origin Declaration Form

Item	Description	Code	Country
1	Towers		
2	Conductor & Earthwire		
3	Disc Insualtor		
4	Fittings for ACSR / ACCC Conductor, Earthwire & Insulator		
5	OPGW & its Fittings Accessories		
6	Aviation Equipments		
7	Design & Engg + Proto Testing of Towers		

C. LILO of Tongi-Ghorashal 230kV double circuit Line at Kaliganj Substation

Item	Description	Country of origin[2]	Unit	Quantity	Unit Price[1]	Total Price[1]	Taxes and Duties
					Foreign Currency [XXX]	Foreign Currency [XXX]	
1	2	3*	4	5	6	7= 5 x 6	8
Schedule No. 1C Plant and Mandatory Spare Parts Supplied from Abroad							
Supply of 230 kV double and four circuit towers, complete with all stubs, nuts, bolts, locking nuts, washers, phase conductors and earthwire, swivels/shackles, step bolts, tower notice and identification plates, ACDs, protective coating, earthing, *Bird Guard* etc.							
1	**Overland Portion**						
1.1	**Tower type "2DT6"**						
1.1.1	Tower type 2DT6+6 m		each	1			
1.1.2	Tower type 2DT6+9 m		each	1			
1.2	**Tower type "2QL"**						
1.2.1	Tower type 2QL +3 m		each	1			
1.2.2	Tower type 2QL +6 m		each	1			
1.2.3	Tower type 2QL +9 m		each	2			
1.3	**Tower type "2Q1"**						
1.3.1	Tower type 2Q1 +21 m		each	1			
1.3.2	Tower type 2Q1 +25 m		each	1			
1.4	**Tower type "2Q15"**						
1.4.1	Tower type 2Q15+ 9 m		each	1			
1.5	**Tower type "2Q30"**						
1.5.1	Tower type 2Q30+ 9 m		each	1			
1.6	**Tower type "2QT6"**						
1.6.1	Tower type 2QT6+ 3 m		each	1			
1.6.2	Tower type 2QT6+ 6 m		each	1			
1.6.3	Tower type 2QT6+ 9 m		each	1			
1.7	**Tower type "2QT6H" with any Extension**		each	2			
1.8	**Auxiliary crossarm for tower type 2QT6 or 2QT6H**		per set of three	2			
1.9	**Auxiliary crossarm for tower type 2DT6**		per set of three	2			

C. LILO of Tongi-Ghorashal 230kV double circuit Line at Kaliganj Substation

Item	Description	Country of origin[2]	Unit	Quantity	Unit Price[1]	Total Price[1]	Taxes and Duties
					Foreign Currency [XXX]	Foreign Currency [XXX]	
1	2	3*	4	5	6	7= 5 x 6	8
Schedule No. 1C Plant and Mandatory Spare Parts Supplied from Abroad							
2	**Phase conductor, earthwire and OPGW cable, complete with repair sleeves and joints**						
2.1	**Overland Portion**						
2.1.1	"ACSR Mallard equivalent ACCC" Phase Conductor (3 Phase, Four Circuit, Single Conductor per phase on the line)		Route km[3]	3.5			
2.1.2	7x4.00mm equivalent OPGW inclusive of joint boxes, fixing clamps, fusion splices and connections to the joint boxes. Two OPGW earthwire on the line.		Route km[3]	3.5			
3	**Insulator strings, with associated suspension and tension clamps for twin ACSR Mallard equivalent ACCC Conductor**						
3.1	**Overland Portion**						
3.1.1	a) Single suspension string, 120 kN -disc only		Set	48			
	a) Single suspension string, 120 kN - fittings only		Set	48			
3.1.2	a) Single suspension string (Heavy Suspension), 210 kN -disc only		Set	24			
	a) Single suspension string (Heavy Suspension), 210 kN -fittings only		Set	24			
3.1.3	a) Double tension string, 2x120kN -disc only		Set	144			
	b) Double tension string, 2x120kN -fittings only		Set	144			
3.1.4	a) Single jumper suspension I-string, having each string 1x120 kN-disc only		Set	66			
	b) Single jumper suspension I-string, having each string 1x120 kN-fittings only		Set	66			
3.1.5	a) Single tension string, upright low duty 120kN- disc only		Set	12			
	b) Single tension string, upright low duty 120kN- fittings only		Set	12			
3.1.6	a) Single tension string, inverted low duty 120kN -discs only		Set	12			
	b) Single tension string, inverted low duty 120kN -fittings only		Set	12			
	OPGW sets, complete with all accessories, incl. armour rods and earth bounds						
3.1.7	Suspension set (including all fittings and accessories for surplus and to guide the OPGW to the joint box)		set	12			

C. LILO of Tongi-Ghorashal 230kV double circuit Line at Kaliganj Substation

Item	Description	Country of origin[2]	Unit	Quantity	Unit Price[1]	Total Price[1]	Taxes and Duties
					Foreign Currency [XXX]	Foreign Currency [XXX]	
1	2	3*	4	5	6	7= 5 x 6	8
Schedule No. 1C Plant and Mandatory Spare Parts Supplied from Abroad							
3.1.8	Tension set (including all fittings and accessories for surplus and to guide the OPGW to the joint box)		set	22			
	Dampers						
3.1.9	Vibration damper for phase conductor		per span	14			
3.1.10	Vibration damper for OPGW		per span	14			
4	**Aerial Markers**						
4.1	Painting of tower having height more than 60 meter in accordance with the requirements of the Technical Specification		per tower	4			
4.2	Painting of tower (Reflecting Paint) upto 3 meter in submerge area in accordance with the requirements of the Technical Specification		per tower	4			
4.3	Air craft obstruction lights solar powered complete with lamps, solar, panels, batteries, control equipment cables, support framework, tower work platform etc.		each	6			
4.4	Aircraft warning spheres		each	10			
4.5	Bird diverters		each	3			
5	**Mandatory Spare Parts and Tools**						
5.1	**Insulator and Fittings**						
	Insulator sets complete with insulators and all hardware fittings including suspension clamps, tension dead ends,armour rods, arcing horn. Arcing ring etc						
	Overland Portion						
5.1.1	120kN single suspension Insulators set (Suspension) for "single ACSR Mallard equivalent ACCC" - Complete Assembly		set	6			
5.1.2	210kN single suspension Insulators set (Heavy Suspension) for "single ACSR Mallard equivalent ACCC" - Complete Assembly		set	6			

C. LILO of Tongi-Ghorashal 230kV double circuit Line at Kaliganj Substation

Item	Description	Country of origin[2]	Unit	Quantity	Unit Price[1]	Total Price[1]	Taxes and Duties
					Foreign Currency [XXX]	Foreign Currency [XXX]	
1	2	3*	4	5	6	7= 5 x 6	8
Schedule No. 1C Plant and Mandatory Spare Parts Supplied from Abroad							
5.1.3	120kN jumper suspension set for "Single ACSR Mallard equivalent ACCC" - Complete Assembly		set	6			
5.1.4	210kN tension set for "Single ACSR Mallard equivalent ACCC" - Complete Assembly		set	12			
5.2	**Phase conductor, earthwire, OPGW & Fittings**						
5.2.1	Midspan Joint for "ACSR Mallard equivalent ACCC" conductor		each	2			
5.2.2	Repair sleeve for "ACSR Mallard equivalent ACCC" conductor		each	2			
5.2.3	Vibration Damper for "ACSR Mallard equivalent ACCC"		each	10			
5.2.4	Suspension set for 7x4.00mm Equivalent OPGW		each	3			
5.2.5	Tension set for 7x4.00mm Equivalent OPGW		each	3			
5.2.6	Vibration damper for 7x4.00mm Equivalent OPGW		each	6			
Total Columns 8 to be carried forward to Schedule No. 5 - Grand Summary							

1 Specify currencies in accordance with ITB 19.1 of the BDS. Create additional columns for up to a maximum of three foreign currencies, if so required.

2 Bidders shall enter a code representing the country of origin of all imported plant and equipment.

3 Definition of route km: Route km is the transmission line distance between two terminal points in plan view. Route km is exclusive sag and other electrical clearances, elevation differences etc. The Contractor shall incorporate all such extra costs in his unit rate.

Country of Origin Declaration Form

Item	Description	Code	Country
1	Towers		
2	Conductor & Earthwire		
3	Disc Insualtor		
4	Fittings for ACCC Conductor, Earthwire & Insulator		
5	OPGW & its Fittings Accessories		
6	Aviation Equipments		
7	Design & Engg + Proto Testing of Towers		

A.	LILO of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line at Kaliganj Substation								
Item	Description	Country of origin[2]	Unit	Quantity	Local Currency in BDT		Foreign Currency in (xxx)		Taxes and Duties
					Unit EXW Price1	EXW Total Price	Unit EXW Price1	EXW Total Price	Local Currency [BDT]
1	2	3*	4	5	6	7=5*6	8	9= 5 x 8	10
Schedule No. 2A Plant and Mandatory Spare Parts Supplied from Within the Employer's Country									
Supply of 400 kV double and four circuit towers, complete with all stubs, nuts, bolts, locking nuts, washers, phase conductors and earthwire, swivels/shackles, step bolts, tower notice and identification plates, ACDs, protective coating, earthing, etc.									
1	**Overland Portion**								
1.1	**Tower type "4DT6"**								
1.1.1	Tower type 4DT6+9 m		each	1					
1.1.2	Tower type 4DT6+6 m		each	1					
1.2	**Tower type "4D25"**								
1.2.1	Tower type 4D25 +9 m		each	1					
1.2.2	Tower type 4D25 +4.5 m		each	1					
1.3	**Auxiliary crossarm for tower type 4DT6**		per set of three	2					
2	**Phase conductor, earthwire and OPGW cable, complete with repair sleeves and joints**								
2.1	**Overland Portion**								
2.1.1	"ACSR Finch" Phase Conductor (3 Phase, Double Circuit, Quad Bundle per phase on the line)		Route km[3]	1					
2.1.2	ACSR Dorking Earthware		Route km[3]	1					
2.1.3	ACSR Dorking Earthware equivalent OPGW inclusive of joint boxes, fixing clamps, fusion splices and connections to the joint boxes.		Route km[3]	1					
3	**Insulator strings, with associated suspension and tension clamps for quad ACSR Finch Conductor**								
3.1	**Overland Portion**								
3.1.1	a) Double tension string, 2x400kN -disc only		Set	36					
	b) Double tension string, 2x400kN -fittings only		Set	36					

A.	LILO of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line at Kaliganj Substation								
Item	Description	Country of origin[2]	Unit	Quantity	Local Currency in BDT		Foreign Currency in (xxx)		Taxes and Duties
					Unit EXW Price1	EXW Total Price	Unit EXW Price1	EXW Total Price	Local Currency [BDT]
1	2	3*	4	5	6	7=5*6	8	9= 5 x 8	10
Schedule No. 2A Plant and Mandatory Spare Parts Supplied from Within the Employer's Country									
3.1.2	a) Single jumper suspension I-string, having each string 1x210 kN-disc only		Set	18					
	b) Single jumper suspension I-string, having each string 1x210 kN-fittings only		Set	18					
3.1.3	a) Single tension string, upright low duty 210kN- disc only		Set	12					
	b) Single tension string, upright low duty 210kN- fittings only		Set	12					
3.1.4	a) Single tension string, inverted low duty 210kN -discs only		Set	12					
	b) Single tension string, inverted low duty 210kN -fittings only		Set	12					
	OPGW and earthware sets, complete with all accessories, incl. armour rods and earth bounds					0			
3.1.5	Earthwire Tension set	0	set	6					
3.1.6	Tension set (including all fittings and accessories for surplus and to guide the OPGW to the joint box)		set	6					
	Dampers								
3.1.7	Vibration damper for phase conductor		per span	4					
3.1.8	Spacer damper for phase conductor		per span	4					
3.1.9	Vibration damper for OPGW		per span	4					
3.1.10	Vibration damper for Earthwire		nos.	4					
3.1.11	Spacer for jumper		nos.	6					
4	**Aerial Markers**								
4.1	Painting of tower having height more than 60 meter in accordance with the requirements of the Technical Specification		per tower	1					
4.2	Painting of tower (Reflecting Paint) upto 3 meter in submerge area in accordance with the requirements of the Technical Specification		per tower	1					
4.3	Air craft obstruction lights solar powered complete with lamps, solar, panels, batteries, control equipment cables, support framework, tower work platform etc.		each	3					
4.4	Aircraft warning spheres		each	3					

A.	LILO of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line at Kaliganj Substation								
Item	Description	Country of origin[2]	Unit	Quantity	Local Currency in BDT		Foreign Currency in (xxx)		Taxes and Duties
					Unit EXW Price1	EXW Total Price	Unit EXW Price1	EXW Total Price	Local Currency [BDT]
1	2	3*	4	5	6	7=5*6	8	9= 5 x 8	10
Schedule No. 2A Plant and Mandatory Spare Parts Supplied from Within the Employer's Country									
4.5	Bird diverters		each	3					
5	**Mandatory Spare Parts and Tools**								
5.1	**Tower**								
5.1.1	Galvanized Tower Steel								
(a)	Fabricated		ton	1					
(b)	Non-fabricated		ton	1					
5.2	**Insulator and Fittings**								
	Insulator sets complete with insulators and all hardware fittings including suspension clamps, tension dead ends,armour rods, arcing horn. Arcing ring etc								
	Overland Portion								
5.2.1	210kN Single Inverted Low Duty Tension Set for "Quad ACSR FINCH" - Complete Assembly		set	6					
5.2.2	210kN jumper suspension set for "Quad ACSR FINCH" - Complete Assembly		set	2					
5.2.3	400kN twin tension set for "Quad ACSR FINCH" - Complete Assembly		set	6					
5.3	**Phase conductor, earthwire, OPGW & Fittings**								
5.3.1	Midspan Joint for "Quad ACSR FINCH" conductor		each	2					
5.3.2	Repair sleeve for "Quad ACSR FINCH" conductor		each	2					
5.3.3	Spacer Damper for "Quad ACSR FINCH"		each	5					
5.3.4	Jumper Spacer for "Quad ACSR FINCH"		each	4					
5.3.5	Suspension set for ACSR Dorking Equivalent OPGW		each	3					
5.3.6	Tension set for ACSR Dorking Equivalent OPGW		each	3					
5.3.7	Vibration damper for ACSR Dorking Equivalent OPGW		each	3					
5.4	**Temporary earthing equipment**		each	3					

A.	LILO of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line at Kaliganj Substation								
Item	Description	Country of origin[2]	Unit	Quantity	Local Currency in BDT		Foreign Currency in (xxx)		Taxes and Duties
					Unit EXW Price1	EXW Total Price	Unit EXW Price1	EXW Total Price	Local Currency [BDT]
1	2	3*	4	5	6	7=5*6	8	9= 5 x 8	10
Schedule No. 2A Plant and Mandatory Spare Parts Supplied from Within the Employer's Country									
5.5	Elcometer		each	3					
5.6	Motorised jointing compressor for conductor complete with dies suitable for conductors & earthwires to be used for this Contract		each	3					
Total Columns 7&9 to be carried forward to Schedule No. 5 - Grand Summary									

1 Specify currencies in accordance with ITB 19.1 of the BDS.

2 Bidders shall enter a code representing the country of origin of all imported plant and equipment.

3 Definition of route km: Route km is the transmission line distance between two terminal points in plan view. Route km is exclusive sag and other electrical clearances, elevation differences etc. The Contractor shall incorporate all such extra costs in his unit rate.

4. Column 6, EXW Price shall include all customs duties and sales and other taxes already paid or payable on the components and raw materials used in the manufacture or assembly of the item or the customs duties and sales and other taxes already paid on previously imported items."

Country of Origin Declaration Form

Item	Description	Code	Country

B. Connection of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line and Purbachal-Bashundhara 230kV double circuit Line at Purbachal Substation

Item	Description	Country of origin[2]	Unit	Quantity	Local Currency in BDT		Foreign Currency in (xxx)		Taxes and Duties
					Unit EXW Price1	EXW Total Price	Unit EXW Price1	EXW Total Price	Local Currency [BDT]
1	2	3*	4	5	6	7=5*6	8	9= 5 x 8	10
Schedule No. 2B Plant and Mandatory Spare Parts Supplied from Within the Employer's Country									
Supply of 400 kV double and four circuit towers, complete with all stubs, nuts, bolts, locking nuts, washers, phase conductors and earthwire, swivels/shackles, step bolts, tower notice and identification plates, ACDs, protective coating, earthing, etc.									
1	**Overland Portion**								
1.1	**Tower type "2DT6"**								
1.1.1	Tower type 2DT6 +12 m		each	1					
1.2	**Auxiliary crossarm for tower type 2DT6**		per set of three	1					
2	**Phase conductor, earthwire and OPGW cable, complete with repair sleeves and joints**								
2.1	**Overland Portion**								
2.1.1	"ACSR Finch" Phase Conductor (3 Phase, Double Circuit, Quad Bundle per phase on the line)		Route km3	0.5					
2.1.2	"ACSR Mallard" Phase Conductor (3 Phase, Double Circuit, Twin Bundle per phase on the line)		Route km3	0.5					
2.1.3	ACSR Dorking Earthware		Route km3	0.5					
2.1.4	ACSR Dorking Earthware equivalent OPGW inclusive of joint boxes, fixing clamps, fusion splices and connections to the joint boxes.		Route km3	0.5					
2.1.5	7X4.0 GS earthware		Route km3	0.5					
2.1.6	7X4.0 GS earthware equivalent OPGW inclusive of joint boxes, fixing clamps, fusion splices and connections to the joint boxes.		Route km3	0.5					
3	**Insulator strings, with associated suspension and tension clamps for quad ACSR Finch and ACSR Mallard Conductor**								
3.1	**Overland Portion**								
	For Quad Bundle ACSR Finch Conductor								
3.1.1	a) Double tension string, 2x400kN -disc only		Set	12					
	b) Double tension string, 2x400kN -fittings only		Set	12					

B. Connection of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line and Purbachal-Bashundhara 230kV double circuit Line at Purbachal Substation

Item	Description	Country of origin[2]	Unit	Quantity	Local Currency in BDT		Foreign Currency in (xxx)		Taxes and Duties
					Unit EXW Price1	EXW Total Price	Unit EXW Price1	EXW Total Price	Local Currency [BDT]
1	2	3*	4	5	6	7=5*6	8	9= 5 x 8	10
Schedule No. 2B Plant and Mandatory Spare Parts Supplied from Within the Employer's Country									
3.1.2	a) Single jumper suspension I-string, having each string 1x210 kN-disc only		Set	6					
	b) Single jumper suspension I-string, having each string 1x210 kN-fittings only		Set	6					
3.1.3	a) Single tension string, upright low duty 210kN- disc only		Set	6					
	b) Single tension string, upright low duty 210kN- fittings only		Set	6					
3.1.4	a) Single tension string, inverted low duty 210kN -discs only		Set	6					
	b) Single tension string, inverted low duty 210kN -fittings only		Set	6					
	For Twin ACSR Mallard Conductor								
3.1.5	a) Double tension string, 2x210kN -disc only		Set	12					
	b) Double tension string, 2x210kN -fittings only		Set	12					
3.1.6	a) Single jumper suspension I-string, having each string 1x120 kN-disc only		Set	6					
	b) Single jumper suspension I-string, having each string 1x120 kN-fittings only		Set	6					
3.1.7	a) Single tension string, upright low duty 120kN- disc only		Set	6					
	b) Single tension string, upright low duty 120kN- fittings only		Set	6					
3.1.8	a) Single tension string, inverted low duty 120kN -discs only		Set	6					
	b) Single tension string, inverted low duty 120kN -fittings only		Set	6					
	OPGW and earthware sets, complete with all accessories, incl. armour rods and earth bounds								
3.1.8	Tension set for ACSR Dorking Earthwire OPGW (including all fittings and accessories for surplus and to guide the OPGW to the joint box)		set	2					
3.1.9	Tension set for ACSR Dorking Earthwire		set	2					
3.1.10	Tension set for 7x4.0 GSW equivalent OPGW (including all fittings and accessories for surplus and to guide the OPGW to the joint box)		set	4					
3.1.11	Tension set for 7x4.0 GSW Earthwire		set	4					

B. Connection of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line and Purbachal-Bashundhara 230kV double circuit Line at Purbachal Substation

Item	Description	Country of origin[2]	Unit	Quantity	Local Currency in BDT		Foreign Currency in (xxx)		Taxes and Duties
					Unit EXW Price1	EXW Total Price	Unit EXW Price1	EXW Total Price	Local Currency [BDT]
1	2	3*	4	5	6	7=5*6	8	9= 5 x 8	10
Schedule No. 2B Plant and Mandatory Spare Parts Supplied from Within the Employer's Country									
	Dampers								
3.1.12	Vibration damper for Quad ACSR Finch phase conductor		per span	1					
3.1.13	Spacer damper for Quad ACSR Finch phase conductor		per span	1					
3.1.14	Vibration damper for ACSR Dorking Earthwire equivalent OPGW		per span	1					
3.1.15	Vibration damper for ACSR Dorking Earthwire		per span	1					
3.1.16	Spacer for jumper (Quad ACSR Finch)		nos.	18					
3.1.17	Vibration damper for Twin ACSR Mallard phase conductor		per span	2					
3.1.18	Spacer damper for Twin ACSR Mallard phase conductor		per span	2					
3.1.19	Vibration damper for 7x4.0 GSW Earthwire equivalent OPGW		per span	2					
3.1.20	Vibration damper for 7x4.0 GSW Earthwire		per span	2					
3.1.21	Spacer for jumper (Twin ACSR Mallard)		nos.	18					
4	**Aerial Markers**								
4.1	Painting of tower having height more than 60 meter in accordance with the requirements of the Technical Specification		per tower	1					
4.2	Painting of tower (Reflecting Paint) upto 3 meter in submerge area in accordance with the requirements of the Technical Specification		per tower	1					
4.3	Air craft obstruction lights solar powered complete with lamps, solar, panels, batteries, control equipment cables, support framework, tower work platform etc.		each	3					
4.4	Aircraft warning spheres		each	3					
4.5	Bird diverters		each	3					
5	**Mandatory Spare Parts and Tools**								
5.1	**Insulator and Fittings**								
	Insulator sets complete with insulators and all hardware fittings including suspension clamps, tension dead ends,armour rods, arcing horn. Arcing ring etc								

B. Connection of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line and Purbachal-Bashundhara 230kV double circuit Line at Purbachal Substation

Item	Description	Country of origin[2]	Unit	Quantity	Local Currency in BDT		Foreign Currency in (xxx)		Taxes and Duties
					Unit EXW Price1	EXW Total Price	Unit EXW Price1	EXW Total Price	Local Currency [BDT]
1	2	3*	4	5	6	7=5*6	8	9= 5 x 8	10
Schedule No. 2B Plant and Mandatory Spare Parts Supplied from Within the Employer's Country									
	Overland Portion								
5.1.1	210kN twin tension set for "Twin ACSR Mallard" - Complete Assembly		set	6					
5.1.2	120kN Single inverted Low Duty tension set for "Twin ACSR Mallard" - Complete Assembly		set	6					
5.2	**Phase conductor, earthwire, OPGW & Fittings**								
5.2.1	Midspan Joint for "Twin ACSR Mallard" conductor		each	2					
5.2.2	Repair sleeve for "Twin ACSR Mallard" conductor		each	2					
5.2.3	Spacer Damper for "Twin ACSR Mallard"		each	5					
5.2.4	Vibration Damper for "Twin ACSR Mallard"		each	10					
5.2.5	Jumper Spacer for "Twin ACSR Mallard"		each	6					
5.2.6	Suspension set for 7X4.0 GS earthware Equivalent OPGW		each	3					
5.2.7	Tension set for 7X4.0 GS earthware Equivalent OPGW		each	3					
Total Columns 7&9 to be carried forward to Schedule No. 5 - Grand Summary									

1 Specify currencies in accordance with ITB 19.1 of the BDS.

2 Bidders shall enter a code representing the country of origin of all imported plant and equipment.

3 Definition of route km: Route km is the transmission line distance between two terminal points in plan view. Route km is exclusive sag and other electrical clearances, elevation differences etc. The Contractor shall incorporate all such extra costs in his unit rate.

4. Column 6, EXW Price shall include all customs duties and sales and other taxes already paid or payable on the components and raw materials used in the manufacture or assembly of the item or the customs duties and sales and other taxes already paid on previously imported items."

Country of Origin Declaration Form

Item	Description	Code	Country

C. LILO of Tongi-Ghorashal 230kV double circuit Line at Kaliganj Substation

Item	Description	Country of origin[2]	Unit	Quantity	Local Currency in BDT		Foreign Currency in (xxx)		Taxes and Duties
					Unit EXW Price1	EXW Total Price	Unit EXW Price1	EXW Total Price	Local Currency [BDT]
1	2	3*	4	5	6	7=5*6	8	9= 5 x 8	10
Schedule No. 2C Plant and Mandatory Spare Parts Supplied from Within the Employer's Country									
Supply of 230 kV double and four circuit towers, complete with all stubs, nuts, bolts, locking nuts, washers, phase conductors and earthwire, swivels/shackles, step bolts, tower notice and identification plates, ACDs, protective coating, earthing, etc.									
1	**Overland Portion**								
1.1	**Tower type "2DT6"**								
1.1.1	Tower type 2DT6+6 m		each	1					
1.1.2	Tower type 2DT6+9 m		each	1					
1.2	**Tower type "2QL"**								
1.2.1	Tower type 2QL +3 m		each	1					
1.2.2	Tower type 2QL +6 m		each	1					
1.2.3	Tower type 2QL +9 m		each	2					
1.3	**Tower type "2Q1"**								
1.3.1	Tower type 2Q1 +21 m		each	1					
1.3.2	Tower type 2Q1 +25 m		each	1					
1.4	**Tower type "2Q15"**								
1.4.1	Tower type 2Q15+ 9 m		each	1					
1.5	**Tower type "2Q30"**								
1.5.1	Tower type 2Q30+ 9 m		each	1					
1.6	**Tower type "2QT6"**								
1.6.1	Tower type 2QT6+ 3 m		each	1					
1.6.2	Tower type 2QT6+ 6 m		each	1					
1.6.3	Tower type 2QT6+ 9 m		each	1					
1.7	**Tower type "2QT6H" with any Extension**		each	2					
1.8	**Auxiliary crossarm for tower type 2QT6 or 2QT6H**		per set of three	2					
1.9	**Auxiliary crossarm for tower type 2DT6**		per set of three	2					
2	**Phase conductor, earthwire and OPGW cable, complete with repair sleeves and joints**								
2.1	**Overland Portion**								
2.1.1	"ACSR Mallard equivalent ACCC" Phase Conductor (3 Phase, Four Circuit, Single Conductor per phase on the line)		Route km[3]	3.5					

C. LILO of Tongi-Ghorashal 230kV double circuit Line at Kaliganj Substation

Item	Description	Country of origin[2]	Unit	Quantity	Local Currency in BDT		Foreign Currency in (xxx)		Taxes and Duties
					Unit EXW Price1	EXW Total Price	Unit EXW Price1	EXW Total Price	Local Currency [BDT]
1	2	3*	4	5	6	7=5*6	8	9= 5 x 8	10
Schedule No. 2C Plant and Mandatory Spare Parts Supplied from Within the Employer's Country									
2.1.2	7x4.00mm equivalent OPGW inclusive of joint boxes, fixing clamps, fusion splices and connections to the joint boxes. Two OPGW earthwire on the line.		Route km[3]	3.5					
3	**Insulator strings, with associated suspension and tension clamps for twin ACSR Mallard equivalent ACCC Conductor**								
3.1	**Overland Portion**								
3.1.1	a) Single suspension string, 120 kN -disc only		Set	48					
	a) Single suspension string, 120 kN - fittings only		Set	48					
3.1.2	a) Single suspension string (Heavy Suspension), 210 kN -disc only		Set	24					
	a) Single suspension string (Heavy Suspension), 210 kN -fittings only		Set	24					
3.1.3	a) Double tension string, 2x120kN -disc only		Set	144					
	b) Double tension string, 2x120kN -fittings only		Set	144					
3.1.4	a) Single jumper suspension I-string, having each string 1x120 kN-disc only		Set	66					
	b) Single jumper suspension I-string, having each string 1x120 kN-fittings only		Set	66					
3.1.5	a) Single tension string, upright low duty 120kN- disc only		Set	12					
	b) Single tension string, upright low duty 120kN- fittings only		Set	12					
3.1.6	a) Single tension string, inverted low duty 120kN -discs only		Set	12					
	b) Single tension string, inverted low duty 120kN -fittings only		Set	12					
	OPGW sets, complete with all accessories, incl. armour rods and earth bounds								
3.1.7	Suspension set (including all fittings and accessories for surplus and to guide the OPGW to the joint box)		set	12					
3.1.8	Tension set (including all fittings and accessories for surplus and to guide the OPGW to the joint box)		set	22					
	Dampers								
3.1.9	Vibration damper for phase conductor		per span	14					
3.1.10	Vibration damper for OPGW		per span	14					

C. LILO of Tongi-Ghorashal 230kV double circuit Line at Kaliganj Substation

Item	Description	Country of origin[2]	Unit	Quantity	Local Currency in BDT		Foreign Currency in (xxx)		Taxes and Duties
					Unit EXW Price1	EXW Total Price	Unit EXW Price1	EXW Total Price	Local Currency [BDT]
1	2	3*	4	5	6	7=5*6	8	9= 5 x 8	10
Schedule No. 2C Plant and Mandatory Spare Parts Supplied from Within the Employer's Country									
4	**Aerial Markers**								
4.1	Painting of tower having height more than 60 meter in accordance with the requirements of the Technical Specification		per tower	4					
4.2	Painting of tower (Reflecting Paint) upto 3 meter in submerge area in accordance with the requirements of the Technical Specification		per tower	4					
4.3	Air craft obstruction lights solar powered complete with lamps, solar, panels, batteries, control equipment cables, support framework, tower work platform etc.		each	6					
4.4	Aircraft warning spheres		each	10					
4.5	Bird diverters		each	3					
5	**Mandatory Spare Parts and Tools**								
5.1	**Insulator and Fittings**								
	Insulator sets complete with insulators and all hardware fittings including suspension clamps, tension dead ends,armour rods, arcing horn. Arcing ring etc								
	Overland Portion								
5.1.1	120kN single suspension Insulators set (Suspension) for "single ACSR Mallard equivalent ACCC" - Complete Assembly		set	6					
5.1.2	210kN single suspension Insulators set (Heavy Suspension) for "single ACSR Mallard equivalent ACCC" - Complete Assembly		set	6					
5.1.3	120kN jumper suspension set for "Single ACSR Mallard equivalent ACCC" - Complete Assembly		set	6					
5.1.4	210kN tension set for "Single ACSR Mallard equivalent ACCC" - Complete Assembly		set	12					
5.2	**Phase conductor, earthwire, OPGW & Fittings**								
5.2.1	Midspan Joint for "ACSR Mallard equivalent ACCC" conductor		each	2					
5.2.2	Repair sleeve for "ACSR Mallard equivalent ACCC" conductor		each	2					

C. LILO of Tongi-Ghorashal 230kV double circuit Line at Kaliganj Substation

Item	Description	Country of origin[2]	Unit	Quantity	Local Currency in BDT		Foreign Currency in (xxx)		Taxes and Duties
					Unit EXW Price1	EXW Total Price	Unit EXW Price1	EXW Total Price	Local Currency [BDT]
1	2	3*	4	5	6	7=5*6	8	9= 5 x 8	10
Schedule No. 2C Plant and Mandatory Spare Parts Supplied from Within the Employer's Country									
5.2.3	Vibration Damper for "ACSR Mallard equivalent ACCC"		each	10					
5.2.4	Suspension set for 7x4.00mm Equivalent OPGW		each	3					
5.2.5	Tension set for 7x4.00mm Equivalent OPGW		each	3					
5.2.6	Vibration damper for 7x4.00mm Equivalent OPGW		each	6					
Total Columns 7&9 to be carried forward to Schedule No. 5 - Grand Summary									

1 Specify currencies in accordance with ITB 19.1 of the BDS.

2 Bidders shall enter a code representing the country of origin of all imported plant and equipment.

3 Definition of route km: Route km is the transmission line distance between two terminal points in plan view. Route km is exclusive sag and other electrical clearances, elevation differences etc. The Contractor shall incorporate all such extra costs in his unit rate.

4. Column 6, EXW Price shall include all customs duties and sales and other taxes already paid or payable on the components and raw materials used in the manufacture or assembly of the item or the customs duties and sales and other taxes already paid on previously imported items."

Country of Origin Declaration Form

Item	Description	Code	Country

Design, Supply, Installation, Testing Commissioning of 400kV and 230kV Transmission Lines' LILO at Kaliganj and Purbachal Substation on Turnkey Basis (Package-1)

A. LILO of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line at Kaliganj Substation

Item	Description	Unit	Quantity	Unit Price[1]		Total Price[1]	
				Local Currency [BDT]	Foreign Currency [USD]	Local Currency [BDT]	Foreign Currency [USD]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
	Schedule No. 3A Design Services						
1	**Line Design**						
1.1	Detailed line design including plan and profiles; conductor, earthwire and OPGW sag tension calculations; tower spotting, establishment of line schedule; Design of insulator strings, OPGW and earthwire attachments	Lump sum	1				
2	**Tower Test**						
2.1	**Proto assembly of all type towers with all extensions to prove compliance with specification. Payment for successful test only.**						
2.1.1	4DT6	each	1				
2.1.2	4D25	each	1				
3	**Foundation Design**						
3.1	Foundation design for all soil types including additional soil investigation and additional soil resistivity measurement	Lump sum	1				
	Total Columns 7 & 8 to be carried forward to Schedule No. 5 - Grand Summary						
4	Total Tax and VAT deductable at source(TDS & VDS) under the schedule 3C(to be quoted in the currency similar as above)[2]						

1. Specify currencies in accordance with ITB 19.1 of the BDS. Create additional columns for up to a maximum of three foreign currencies, if so required.

2. Bidder shall quote the amount considering clause 14.1 of section 8(Special Conditions of Contract), Volume 1 of 3 of the bidding document. The amount quoted by bidder is subject to arithmatic correction by Employer as required.

Design, Supply, Installation, Testing Commissioning of 400kV and 230kV Transmission Lines' LILO at Kaliganj and Purbachal Substation on Turnkey Basis (Package-1)

B. Connection of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line and Purbachal-Bashundhara 230kV double circuit Line at Purbachal Substation

Item	Description	Unit	Quantity	Unit Price[1]		Total Price[1]	
				Local Currency [BDT]	Foreign Currency [USD]	Local Currency [BDT]	Foreign Currency [USD]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
Schedule No. 3B Design Services							
1	**Line Design**						
1.1	Detailed line design including plan and profiles; conductor, earthwire and OPGW sag tension calculations; tower spotting, establishment of line schedule; Design of insulator strings, OPGW and earthwire attachments	Lump sum	1				
2	**Tower Test**						
2.1	**Proto assembly of all type towers with all extensions to prove compliance with specification. Payment for successful test only.**						
2.1.1	2DT6	each	NA				
3	**Foundation Design**						
3.1	Foundation design for all soil types including additional soil investigation and additional soil resistivity measurement	Lump sum	1				
Total Columns 7 & 8 to be carried forward to Schedule No. 5 - Grand Summary							
4	Total Tax and VAT deductable at source(TDS & VDS) under the schedule 3C(to be quoted in the currency similar as above)[2]						

1. Specify currencies in accordance with ITB 19.1 of the BDS. Create additional columns for up to a maximum of three foreign currencies, if so required.

2. Bidder shall quote the amount considering clause 14.1 of section 8(Special Conditions of Contract), Volume 1 of 3 of the bidding document. The amount quoted by bidder is subject to arithmatic correction by Employer as required.

C. LILO of Tongi-Ghorashal 230kV double circuit Line at Kaliganj Substation

Item	Description	Unit	Quantity	Unit Price[1]		Total Price[1]	
				Local Currency [BDT]	Foreign Currency [XXX]	Local Currency [BDT]	Foreign Currency [XXX]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
	Schedule No. 3C Design Services						
1	**Line Design and Tower Design**						
1.1	Detailed line design including plan and profiles; conductor, earthwire and OPGW sag tension calculations; tower spotting, establishment of line schedule; Design of insulator strings, OPGW and earthwire attachments	Lump sum	1				
2	**Tower Design and Shop Drawings : Design calculations and fabrication drawings, Shop drawings Including body extensions, hill-side extensions, stubs, signs etc. as per specifications**						
2.1	Design of Tower type "2QT6H with all extension"	each	1				
3	**Tower Test**						
3.1	**Proto assembly of all type towers with all extensions to prove compliance with specification. Payment for successful test only.**						
3.1.1	2DT6	each	1				
3.1.2	2QL	each	1				
3.1.3	2Q1	each	1				
3.1.4	2Q15	each	1				
3.1.5	2Q30	each	1				
3.1.6	2QT6	each	1				
3.1.7	2QT6H	each	1				
3.2	**Load Test of towers to prove compliance with specification. Payment for successful test only.**						
3.2.1	Tower type "2QT6H+21m"	each	1				
4	**Foundation Design**						
4.1	Foundation design for all soil types including additional soil investigation and additional soil resistivity measurement	Lump sum	1				
	Total Columns 7 & 8 to be carried forward to Schedule No. 5 - Grand Summary						
5	Total Tax and VAT deductable at source(TDS & VDS) under the schedule 3C(to be quoted in the currency similar as above)[2]						

1. Specify currencies in accordance with ITB 19.1 of the BDS. Create additional columns for up to a maximum of three foreign currencies, if so required.

2. Bidder shall quote the amount considering clause 14.1 of section 8(Special Conditions of Contract), Volume 1 of 3 of the bidding document. The amount quoted by bidder is subject to arithmatic correction by Employer as required.

JKCs

A. LILO of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line at Kaliganj Substation

Item	Description	Unit	Quantity	Unit Price1		Total Price1	
				Local Currency [BDT]	Foreign Currency [USD]	Local Currency [BDT]	Foreign Currency [USD]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
	Schedule No. 4A Installation and Other Services						
1	**Survey and soil investigation works**						
1.1	**Survey Work and Compensation**						
1.1.1	Check survey in accordance with the requirements of the technical specification, incl. Full ground survey with change of route, if any, tower plotting and preparation and submission of route maps, profile drawings, SIMM documents, etc.	Km	1				
1.1.2	Payment for Compensation (For resettlement of affected people, dwelling/commercial structures, trees, crops etc. on the Right of Way)	Lumpsum	1				
1.2	**Geotechnical Investigations incl. taking samples, logging and lab testing**						
1.2.1	Boreholes for geotechnical investigation, incl. laboratory test, borehole logs, sampling and interpretive report as per geotechnical specification						
(a)	Level 2	borehole	-				
(b)	Level 4	borehole	-				
1.2.2	Soil resistivity tests (one per tower)	unit	4				
2	**Foundations for towers including all setting out, Concrete, Reinforcement, Excavation, Pumping, Stub-Setting, Geotechnical Investigation (Level 2), Shuttering, Leveling, Timbering, supply & Installation of foundation steelwork, Earthing Materials,Backfilling, approved Protective Coating & site clearing etc.**						
2.1	**Tower type "4DT6"**						
2.1.1	Piled Foundation with any Chimney Height for any Soil Category	per tower	2				
2.2	**Tower type "4D25"**						
2.2.1	Piled Foundation with any Chimney Height for any Soil Category	per tower	2				
3	**Erection of 400kV double circuit towers complete with all stubs, nuts, bolts, locking nuts, washers, phase conductor and earthwire swivels/shackles, step bolts, tower notice and identification plates, ACDs, ptotective coating, earthing, bird guard etc.**						
3.1	**Tower type "4DT6"**						
3.1.1	Tower type 4DT6+9 m	each	1				
3.1.2	Tower type 4DT6+6 m	each	1				
3.2	**Tower type "4D25"**						
3.2.1	Tower type 4D25 +9 m	each	1				
3.2.2	Tower type 4D25 +4.5 m	each	1				

Item	Description	Unit	Quantity	Unit Price1		Total Price1	
				Local Currency [BDT]	Foreign Currency [USD]	Local Currency [BDT]	Foreign Currency [USD]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
	Schedule No. 4A Installation and Other Services						
3.3	**Auxiliary Crossarm Erection**	per set of three	2				
3.4	**Erection works for Fabricated and non fabricated steel**	ton	5				
4	**Testing of Foundations**						
4.1	**Individual Pile test including supply,install and test to prove compliance with technical specification, payment for successful test only (applicable for all tower types selected by the Employer's Engineer):**						
(a)	Compression test	per test	1				
(b)	Uplift test	per test	1				
(c)	Pile Integrity test	per test	16				
5	**Stringing of double circuit line, four conductors per phase and one earthware and one OPGW (length approx. Route km)**						
5.1.1	Conductor "ACSR Finch" Phase Conductor (3 Phase. Double Circuit, Quad Bundle per phase on the line)" Installation of **insulator strings**, compressed dead-ends, compression junction sleeves, suspension clamps, Sagging and clipping, Installation of armour rods and Dampers, Pilot strings and jumpers and any other works required as per specification.	route km	1				
5.1.2	ACSR Dorking equivalent , 48 fibres OPGW, including joint box, Tension and semi-tension joints, suspension clamps, armour rods and dampers,Sagging and clipping, Installation of intermediate junction boxes and terminal junction boxes at substation gantries ,Earthing jumpers.	route km	1				
5.1.3	ACSR Dorking earthware,including Compressed dead-ends, compression junction sleeves suspension clamps, armour rods and dampers,Sagging and clipping, Earthing jumpers, warning sphere(if required).	route km	1				
6	**Documentation**						
6.1	Establishment of as-built drawings, manuals and all requested documents as per specifications	lump sum	1				

Item	Description	Unit	Quantity	Unit Price1		Total Price1	
				Local Currency [BDT]	Foreign Currency [USD]	Local Currency [BDT]	Foreign Currency [USD]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
Schedule No. 4A Installation and Other Services							
7	**Miscellaneous**						
7.1	General and other works and services, not mentioned before	lump sum	-				
7.2	Transport of the material and equipment supplied from Employer's Country	lump sum	-				
7.3	Insurance of material and equipment supplied from Employer's Country during transport	lump sum	-				
7.4	Painting of towers including bottom part of tower in accordance with Section 21	lump sum	-				
7.7	Additional counterpoise earthing in accordance with requirement of the Technical specification	per meter	-				
7.8	Miscellaneous Rates for works certified by the Engineer in accordance with method of Payment		-				
(a)	Additional Excavation	cu.m	-				
(b)	Additional Concrete	cu.m	-				
(c)	Additional Reinforcement	kg	-				
(d)	Extra for surface resisting cement per cu.m of concrete	cu.m	-				
(e)	Additional Boring (500mm diameter)	rm	-				
(f)	Additional Boring (600mm diameter)	rm	-				

Item	Description	Unit	Quantity	Unit Price[1]		Total Price[1]	
				Local Currency [BDT]	Foreign Currency [USD]	Local Currency [BDT]	Foreign Currency [USD]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
Schedule No. 4A Installation and Other Services							
(g)	Additional Boring (700mm diameter)	rm	-				
(h)	Sand Filling	cu.m	-				
7.9	Environmental and Social Services	lump sum	-				
7.10	STI. STD and HIV/AIDS alleviation program[2]	lump sum	-				
7.11	Costs and Expenses related to test witness3(Provisional Sum)	lump sum	-				
7.12	Dismantling and by-passing of Ghorashal-Kaliganj-Purbachal-Bashundhara 400kV double circuit Line near Kaliganj Substation area.	lump sum	-				
Total Columns 7 & 8 to be carried forward to Schedule No. 5 - Grand Summary							
8	Total Tax and VAT deductable at source(TDS & VDS) under the schedule 4A(to be quoted in the currency similar as above)[4]						

1 Specify currencies in accordance with ITB 19.1 of the BDS. Create additional columns for up to a maximum of three foreign currencies, if so required.

2 As described in SCC 22.2.7

3 These costs are fixed ceiling and will be included in total price. But the payment shall be at actual upon submission of relevant documents.

4.Bidder shall quote the amount considering clause 14.1 of section 8(Special Conditions of Contract), Volume 1 of 3 of the bidding document. The amount quoted by bidder is subject to arithmatic correction by Employer as required.

B. Connection of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line and Purbachal-Bashundhara 230kV double circuit Line at Purbachal Substation

Item	Description	Unit	Quantity	Unit Price1		Total Price1	
				Local Currency [BDT]	Foreign Currency [USD]	Local Currency [BDT]	Foreign Currency [USD]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
	Schedule No. 4B Installation and Other Services						
1	**Survey and soil investigation works**						
1.1	**Survey Work and Compensation**						
1.1.1	Check survey in accordance with the requirements of the technical specification, incl. Full ground survey with change of route, if any, tower plotting and preparation and submission of route maps, profile drawings, SIMM documents, etc.	Km	1				
1.1.2	Payment for Compensation (For resettlement of affected people, dwelling/commercial structures, trees, crops etc. on the Right of Way)	Lumpsum	1				
1.2	**Geotechnical Investigations incl. taking samples, logging and lab testing**						
1.2.1	Boreholes for geotechnical investigation, incl. laboratory test, borehole logs, sampling and interpretive report as per geotechnical specification						
(a)	Level 2	borehole	-				
(b)	Level 4	borehole	-				
1.2.2	Soil resistivity tests (one per tower)	unit	1				
2	**Foundations for towers including all setting out, Concrete, Reinforcement, Excavation, Pumping, Stub-Setting, Geotechnical Investigation (Level 2), Shuttering, Leveling, Timbering, supply & Installation of foundation steelwork, Earthing Materials,Backfilling, approved Protective Coating & site clearing etc.**						
2.1	**Tower type "2DT6"**						
2.1.1	Piled Foundation with any Chimney Height for any Soil Category	per tower	1				
3	**Erection of 400kV and 230kV double circuit t towers complete with all stubs, nuts, bolts, locking nuts, washers, phase conductor and earthwire swivels/shackles, step bolts, tower notice and identification plates, ACDs, ptotective coating, earthing, *bird guard* etc.**						
3.1	**Tower type "2DT6"**						

Item	Description	Unit	Quantity	Unit Price1		Total Price1	
				Local Currency [BDT]	Foreign Currency [USD]	Local Currency [BDT]	Foreign Currency [USD]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
	Schedule No. 4B Installation and Other Services						
3.1.1	Tower type 2DT6 +12 m	each	1				
3.2	**Auxiliary Crossarm Erection**	per set of three	1				
4	**Testing of Foundations**						
4.1	**Individual Pile test including supply,install and test to prove compliance with technical specification, payment for successful test only (applicable for all tower types selected by the Employer's Engineer):**						
(a)	Compression test	per test	0				
(b)	Uplift test	per test	1				
(c)	Pile Integrity test	per test	4				
5	**Stringing of double circuit line, four/two conductors per phase and one earthware and one OPGW (length approx. Route km)**						
5.1.1	Conductor "ACSR Finch" Phase Conductor (3 Phase, Double Circuit, Quad Bundle per phase on the line)" Installation of **insulator strings**, compressed dead-ends, compression junction sleeves, suspension clamps, Sagging and clipping, Installation of armour rods and Dampers, Pilot strings and jumpers and any other works required as per specification.	route km	0.5				
5.1.2	ACSR Dorking equivalent , 48 fibres OPGW, including joint box, Tension and semi-tension joints, suspension clamps, armour rods and dampers,Sagging and clipping, Installation of intermediate junction boxes and terminal junction boxes at substation gantries ,Earthing jumpers.	route km	0.5				
5.1.3	ACSR Dorking earthware,including Compressed dead-ends, compression junction sleeves suspension clamps, armour rods and dampers,Sagging and clipping, Earthing jumpers, warning sphere(if required).	route km	0.5				
5.1.4	Conductor "ACSR Mallard" Phase Conductor (3 Phase, Double Circuit, Twin Bundle per phase on the line)" Installation of **insulator strings**, compressed dead-ends, compression junction sleeves, suspension clamps, Sagging and clipping, Installation of armour rods and Dampers, Pilot strings and jumpers and any other works required as per specification.	route km	0.5				
5.1.5	7X4.0 GS equivalent , 48 fibres OPGW, including joint box, Tension and semi-tension joints, suspension clamps, armour rods and dampers,Sagging and clipping, Installation of intermediate junction boxes and terminal junction boxes at substation gantries ,Earthing jumpers.	route km	0.5				

Item	Description	Unit	Quantity	Unit Price1		Total Price1	
				Local Currency [BDT]	Foreign Currency [USD]	Local Currency [BDT]	Foreign Currency [USD]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
	Schedule No. 4B Installation and Other Services						
5.1.6	7X4.0 GS earthware equivalent OPGW inclusive of joint boxes, fixing clamps, fusion splices and connections to the joint boxes.	route km	0.5				
6	**Documentation**						
6.1	Establishment of as-built drawings, manuals and all requested documents as per specifications	lump sum	1				
7	**Miscellaneous**						
7.1	General and other works and services, not mentioned before	lump sum	-				
7.2	Transport of the material and equipment supplied from Employer's Country	lump sum	-				
7.3	Insurance of material and equipment supplied from Employer's Country during transport	lump sum	-				
7.4	Painting of towers including bottom part of tower in accordance with Section 21	lump sum	-				
7.7	Additional counterpoise earthing in accordance with requirement of the Technical specification	per meter	-				
7.8	Miscellaneous Rates for works certified by the Engineer in accordance with method of Payment						
(a)	Additional Excavation	cu.m	-				
(b)	Additional Concrete	cu.m	-				
(c)	Additional Reinforcement	kg	-				
(d)	Extra for surface resisting cement per cu.m of concrete	cu.m	-				
(e)	Additional Boring (500mm diameter)	rm	-				

Item	Description	Unit	Quantity	Unit Price[1]		Total Price[1]	
				Local Currency [BDT]	Foreign Currency [USD]	Local Currency [BDT]	Foreign Currency [USD]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
Schedule No. 4B Installation and Other Services							
(f)	Additional Boring (600mm diameter)	rm	-				
(g)	Additional Boring (700mm diameter)	rm	-				
(h)	Sand Filling	cu.m	-				
7.9	Environmental and Social Services	lump sum	-				
7.10	STI. STD and HIV/AIDS alleviation program[2]	lump sum	-				
7.11	Costs and Expenses related to test witness[3](Provisional Sum)	lump sum	-				
7.12	Dismantling of the 400kV part of the connection between Ghorashal-Kaliganj-Purbachal 400kV Transmission Line and Purbachal-Bashundhara 230kV Transmission Line near the Purbachal substation area.	lump sum	-				
7.13	Dismantling of the 230kV part of the connection between Ghorashal-Kaliganj-Purbachal 400kV Transmission Line and Purbachal-Bashundhara 230kV Transmission Line near the Purbachal substation area.	lump sum	-				
Total Columns 7 & 8 to be carried forward to Schedule No. 5 - Grand Summary							
8	Total Tax and VAT deductable at source(TDS & VDS) under the schedule 4B(to be quoted in the currency similar as above)[4]						

1 Specify currencies in accordance with ITB 19.1 of the BDS. Create additional columns for up to a maximum of three foreign currencies, if so required.

2 As described in SCC 22.2.7

3 These costs are fixed ceiling and will be included in total price. But the payment shall be at actual upon submission of relevant documents.

4.Bidder shall quote the amount considering clause 14.1 of section 8(Special Conditions of Contract), Volume 1 of 3 of the bidding document. The amount quoted by bidder is subject to arithmatic correction by Employer as required.

C. LILO of Tongi-Ghorashal 230kV double circuit Line at Kaliganj Substation

Item	Description	Unit	Quantity	Unit Price1		Total Price1	
				Local Currency [BDT]	Foreign Currency [USD]	Local Currency [BDT]	Foreign Currency [USD]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
	Schedule No. 4C Installation and Other Services						
1	**Survey and soil investigation works**						
1.1	**Survey Work an Compensation**						
1.1.1	Check survey in accordance with the requirements of the technical specification, incl. Full ground survey with change of route, if any, tower plotting and preparation and submission of route maps, profile drawings, SIMM documents, etc.	Km	3.5				
1.1.2	Payment for Compensation(For resettlement of affected people, dwelling/commercial structures, trees, crops etc. on the Right of Way)	km	3.5				
1.2	**Geotechnical Investigations incl. taking samples, logging and lab testing**						
1.2.1	Boreholes for geotechnical investigation, incl. laboratory test, borehole logs, sampling and interpretive report as per geotechnical specification						
(a)	Level 2	borehole	-				
(b)	Level 4	borehole	-				
1.2.2	Soil resistivity tests (one per tower)	unit	15				
2	**Foundations for towers including all setting out, Concrete, Reinforcement, Excavation, Pumping, Stub-Setting, Geotechnical Investigation (Level 2), Shuttering, Leveling, Timbering, supply & Installation of foundation steelwork, Earthing Materials,Backfilling, approved Protective Coating & site clearing etc.**						
2.1	**Tower type "2DT6"**						
2.1.1	Piled Foundation with any Chimney Height for any Soil Category	per tower	2				
2.2	**Tower type "2QL"**						
2.2.1	Piled Foundation with any Chimney Height for any Soil Category	per tower	4				
2.3	**Tower type "2Q1"**						
2.3.1	Piled Foundation with any Chimney Height for any Soil Category	per tower	2				
2.4	**Tower type "2Q15"**						
2.4.1	Piled Foundation with any Chimney Height for any Soil Category	per tower	1				

Item	Description	Unit	Quantity	Unit Price1		Total Price1	
				Local Currency [BDT]	Foreign Currency [USD]	Local Currency [BDT]	Foreign Currency [USD]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
Schedule No. 4C Installation and Other Services							
2.5	**Tower type "2Q30"**						
2.5.1	Piled Foundation with any Chimney Height for any Soil Category	per tower	1				
2.6	**Tower type "2QT6"**						
2.6.1	Piled Foundation with any Chimney Height for any Soil Category	per tower	3				
2.7	**Tower type "2QT6H"**						
2.7.1	Piled Foundation with any Chimney Height for any Soil Category	per tower	2				
3	**Erection of 230kV double circuit & four circuit towers complete with all stubs, nuts, bolts, locking nuts, washers, phase conductor and earthwire swivels/shackles, step bolts, tower notice and identification plates, ACDs, ptotective coating, earthing, bird guard etc.**						
3.1	**Tower type "2DT6"**						
3.1.1	Tower type 2DT6+6 m	each	1				
3.1.2	Tower type 2DT6+9 m	each	1				
3.2	**Tower type "2QL"**						
3.2.1	Tower type 2QL +3 m	each	1				
3.2.2	Tower type 2QL +6 m	each	1				
3.2.2	Tower type 2QL +9 m	each	2				
3.3	**Tower type "2Q1"**						
3.3.1	Tower type 2Q1 +21 m	each	1				
3.3.2	Tower type 2Q1 +25 m	each	1				
3.4	**Tower type "2Q15"**						
3.4.1	Tower type 2Q15+ 9 m	each	1				
3.5	**Tower type "2Q30"**						
3.5.1	Tower type 2Q30+ 9 m	each	1				

Item	Description	Unit	Quantity	Unit Price1		Total Price1	
				Local Currency [BDT]	Foreign Currency [USD]	Local Currency [BDT]	Foreign Currency [USD]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
	Schedule No. 4C Installation and Other Services						
3.6	**Tower type "2QT6"**						
3.6.1	Tower type 2QT6+ 3 m	each	1				
3.6.2	Tower type 2QT6+ 6 m	each	1				
3.6.3	Tower type 2QT6+ 9 m	each	1				
3.7	**Tower type "2QT6H" with any Extension**	each	2				
3.8	**Auxiliary crossarm for tower type 2QT6 or 2QT6H**	per set of three	2				
3.9	**Auxiliary crossarm for tower type 2DT6**	per set of three	2				
4	**Testing of Foundations**						
4.1	**Individual Pile test including supply,install and test to prove compliance with technical specification, payment for successful test only (applicable for all tower types selected by the Employer's Engineer):**						
(a)	Compression test	per test	1				
(b)	Uplift test	per test	1				
(c)	Pile Integrity test	per test	60				
5	**Stringing of double/four circuit line, two conductors per phase and 2(two) OPGW (length approx. Route km)**						
5.1.1	Conductor "ACSR Mallard equivalent ACCC" Phase Conductor (3 Phase, Four Circuit, Twin Bundle per phase on the line)" Installation of **insulator strings**, compressed dead-ends, compression junction sleeves, suspension clamps, Sagging and clipping, Installation of armour rods and Dampers, Pilot strings and jumpers and any other works required as per specification.	route km	1				
5.1.2	7x4.00mm equivalent , 48 fibres OPGW, including joint box, Tension and semi-tension joints, suspension clamps, armour rods and dampers,Sagging and clipping, Installation of intermediate junction boxes and terminal junction boxes at substation gantries ,Earthing jumpers. Two OPGW earthwire on the line.	route km	1				
6	**Documentation**						
6.1	Establishment of as-built drawings, manuals and all requested documents as per specifications	lump sum	1				

Item	Description	Unit	Quantity	Unit Price1		Total Price1	
				Local Currency [BDT]	Foreign Currency [USD]	Local Currency [BDT]	Foreign Currency [USD]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
Schedule No. 4C Installation and Other Services							
7	**Miscellaneous**						
7.1	General and other works and services, not mentioned before	lump sum	1				
7.2	Transport of the material and equipment supplied from Employer's Country	lump sum	1				
7.3	Insurance of material and equipment supplied from Employer's Country during transport	lump sum	1				
7.4	Painting of towers including bottom part of towers in accordance with Section 21	lump sum	1				
7.7	Additional counterpoise earthing in accordance with requirement of the Technical specification	per meter	5				
7.8	Miscellaneous Rates for works certified by the Engineer in accordance with method of Payment						
(a)	Additional Excavation	cu.m	100				
(b)	Additional Concrete	cu.m	50				
(c)	Additional Reinforcement	kg	500				
(d)	Extra for surface resisting cement per cu.m of concrete	cu.m	50				
(e)	Additional Boring (500mm diameter)	rm	50				
(f)	Additional Boring (600mm diameter)	rm	50				
(g)	Additional Boring (700mm diameter)	rm	50				
(h)	Sand Filling	cu.m	100				

Item	Description	Unit	Quantity	Unit Price[1]		Total Price[1]	
				Local Currency [BDT]	Foreign Currency [USD]	Local Currency [BDT]	Foreign Currency [USD]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6
Schedule No. 4C Installation and Other Services							
7.9	Environmental and Social Services	lump sum	1				
7.10	STI. STD and HIV/AIDS alleviation program[2]	lump sum	1				
7.11	Costs and Expenses related to test witness3(Provisional Sum)	lump sum	1				
7.12	Dismantling and by-passing of Tongi-Ghorashal 230kV double circuit Line near Kaliganj Substation area.	lump sum	1				
Total Columns 7 & 8 to be carried forward to Schedule No. 5 - Grand Summary							
8	Total Tax and VAT deductable at source(TDS & VDS) under the schedule 4C(to be quoted in the currency similar as above)[4]						

1 Specify currencies in accordance with ITB 19.1 of the BDS. Create additional columns for up to a maximum of three foreign currencies, if so required.

2 As described in SCC 22.2.7

3 These costs are fixed ceiling and will be included in total price. But the payment shall be at actual upon submission of relevant documents.

4.Bidder shall quote the amount considering clause 14.1 of section 8(Special Conditions of Contract), Volume 1 of 3 of the bidding document. The amount quoted by bidder is subject to arithmatic correction by Employer as required.

Design, Supply, Installation, Testing & Commissioning of 400kV and 230kV Transmission Lines' LILO at Kaliganj and Purbachal Substation on Turnkey Basis (Package-1)

Schedule No. 5 Grand Summary

Item	Description	Total Price[1]	
		Local Currency Portion [BDT]	Foreign Currency Portion [XXX]
A	**LILO of Ghorashal-Kaliganj-Purbachal-Bashundhara 400kV double circuit Line at Kaliganj Substation**		
1	Schedule No. 1A Plant and Mandatory Spare Parts Supplied from Abroad		
2	Schedule No. 2A Plant and Mandatory Spare Parts Supplied from Within the Employer's Country		
3	Schedule No. 3A Design Services		
4	Schedule No. 4A Installation and Other Services		
B	**Connection of Ghorashal-Kaliganj-Purbachal 400kV double circuit Line and Purbachal-Bashundhara 230kV double circuit Line at Purbachal Substation**		
1	Schedule No. 1B Plant and Mandatory Spare Parts Supplied from Abroad		
2	Schedule No. 2B Plant and Mandatory Spare Parts Supplied from Within the Employer's Country		
3	Schedule No. 3B Design Services		
4	Schedule No. 4B Installation and Other Services		
C	**LILO of Tongi-Ghorashal 230kV double circuit Line at Kaliganj Substation**		
1	Schedule No. 1C Plant and Mandatory Spare Parts Supplied from Abroad		
2	Schedule No. 2C Plant and Mandatory Spare Parts Supplied from Within the Employer's Country		
3	Schedule No. 3C Design Services		
4	Schedule No. 4C Installation and Other Services		
	GRAND TOTAL		

1. Specify currencies in accordance with ITB 19.1 of the BDS. Create additional columns for up to a maximum of three foreign currencies, if so required.

2. Taxes and/or duties from Schedule 1 and 2 may be added to the contract price in accordance with GCC 14 (Taxes and Duties) but excluded from bid evaluation in accordance with ITB 39.2"

Schedule No. 6. Recommended Spare Parts

Item	Description	Unit	Quantity	Unit Price[1]		Total Price[1]	
				Local Currency Portion [BDT]	Foreign Currency Portion [xxxxx]	Local Currency Portion [BDT]	Foreign Currency Portion [xxx]
1	2	3	4	5	6	7 = 4 x 5	8 = 4 x 6

1. Specify currencies in accordance with ITB 19.1 of the BDS. Create additional columns for up to a maximum of three foreign currencies, if so required.