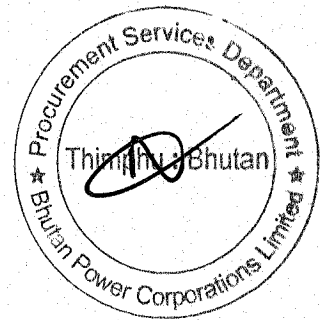


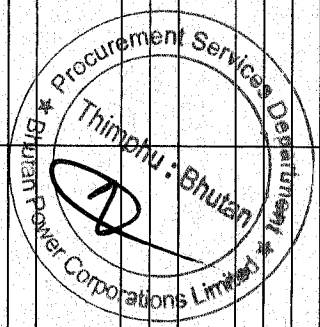
GTP TO BE FILLED UP BY BIDDER



Guaranteed Technical Particulars
LOT 1: XLPE Cables

Sl#	Parameters	Units	Arm, Al cable, XLPE Insulated, 11 kV								
			3C x 70 sq.mm	3C x 95 sq.mm	3C x 150 sq.mm	3C x 185 sq.mm	3C x 240 sq.mm	3C x 300 sq.mm	1C x 300 sq.mm	1C x 630 sq.mm	
1	Manufacturer										
2	Applicable Standards										
3	Rated voltage	kV									
4	System Voltage	kV									
5	Maximum current carrying capacity	A									
6	Short circuit capacity of conductor	KA									
7	Conductor										
	Material										
7	Crosssectional Area										
	Whether Stranded?										
8	Insulation										
	Material										
8	Thickness	mm									
	Inner Sheath										
9	Material										
	Whether Extruded or Wrapped?										
10	Thickness	mm									
	Outer sheath										
10	Material										
	Thickness	mm									
11	Armour										
	Material										
12	Thickness	mm									
	Details of screen, if any										
13	Total overall diameter	mm									
	Test Voltage										
14	Five minute power frequency withstand voltage	kV/5min									
	Type of cable end sealing										
15	Cable drums										
	Dimensions	mm									
16	Weight	kg									
	Nominal length per drum	mtr									

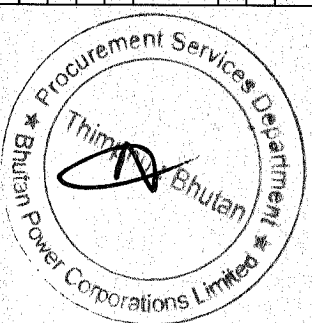
Bidders to fill up



Guaranteed Technical Particulars

LOT 1: XLPE Cables

Sl#	Parameters	Units	Arm, Al. cable, XLPE Insulated, 33 kV			
			3C x 70 sq.mm	3C x 95 sq.mm	3C x 150 sq.mm	3C x 300 sq.mm
1	Manufacturer					
2	Applicable Standards					
3	Rated voltage	kV				
4	System Voltage	kV				
5	Maximum current carrying capacity	A				
6	Short circuit capacity of conductor	kA				
7	Conductor					
	Material					
7	Crosssectional Area					
	Whether Stranded?					
8	Insulation					
	Material					
8	Thickness	mm				
	Inner Sheath					
9	Material					
	Whether Extruded or Wrapped?					
10	Thickness	mm				
	Outer sheath					
10	Material					
	Thickness	mm				
11	Armour					
	Material					
11	Thickness	mm				
	Details of screen, if any					
12	Details of screen, if any					
13	Total overall diameter	mm				
	Test Voltage					
14	Five minute power frequency withstand voltage	kV/5min				
15	Type of cable end sealing					
	Cable drums					
16	Dimensions	mm				
	Weight	kg				
16	Nominal length per drum	mt				

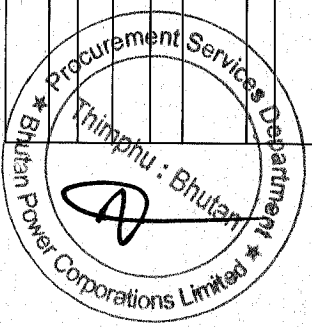


Guaranteed Technical Particulars

LOT 2: PVC Cables

Bidders to fill up

Sl. No.	Parameters	Units	Arm. Al. Cable PVC Insulated (Item no. 1-4)			
			1C x 630 sq.mm	2Cx 10 sq.mm	2C x 16 sq.mm	2C x 25 sq.mm
1	Manufacturer					
2	Applicable Standards					
3	Rated voltage	kV				
4	System Voltage	kV				
5	Maximum current carrying capacity					
6	Short circuit capacity of conductor					
7	Conductor					
	Material					
	Cross-sectional Area					
8	Whether Stranded?					
	Insulation					
	Material					
9	Thickness	mm				
	Inner Sheath					
	Material					
10	Whether Extruded or Wrapped?					
	Thickness	mm				
	Outer sheath					
11	Material					
	Thickness	mm				
	Armour					
12	Details of screen, if any					
	Thickness	mm				
13.0	Details of screen, if any					
	Total overall diameter	mm				
14	Test Voltage					
	Five minute power frequency withstand voltage	kV/5min				
	Type of cable end sealing					
15	Cable drums					
	Dimensions	mm				
	Weight	kg				
16	Nominal length per drum	mtr				

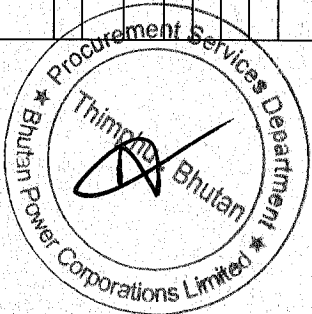


Guaranteed Technical Particulars

LOT 2: PVC Cables

Bidders to fill up

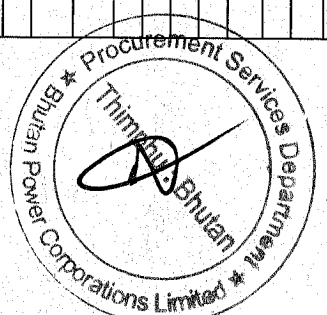
Sl. No.	Parameters	Units	Arm. Al Cable PVC Insulated (Item no. 5-8)			
			2C x 35 sq.mm	4C x 16 sq.mm	4C x 25 sq.mm	4C x 35 sq.mm
1	Manufacturer					
2	Applicable Standards					
3	Rated voltage	KV				
4	System Voltage	KV				
5	Maximum current carrying capacity					
6	Short circuit capacity of conductor					
7	Conductor					
	Material					
7	Crosssectional Area					
	Whether Stranded?					
8	Insulation					
	Material					
	Thickness	mm				
9	Inner Sheath					
	Material					
9	Whether Extruded or Wrapped?					
	Thickness	mm				
10	Outer sheath					
	Material					
10	Thickness	mm				
11	Armour					
	Material					
11	Thickness	mm				
12	Details of screen, if any					
13.0	Total overall diameter	mm				
14	Test Voltage					
	Five minute power frequency withstand voltage	kV/5min				
15	Type of cable end sealing					
16	Cable drums					
	Dimensions	mm				
	Weight	kg				
16	Nominal length per drum	mtr				



Guaranteed Technical Particulars
LOT 2: PVC Cables

Bidders to fill up

Sl. No.	Parameters	Units	Arm. Al. Cable PVC Insulated (Item no. 9-12)			
			4C x 50 sq.mm	4C x 70 sq.mm	4C x 95 sq.mm	4C x 120 sq.mm
1	Manufacturer					
2	Applicable Standards					
3	Rated voltage	KV				
4	System Voltage	KV				
5	Maximum current carrying capacity					
6	Short circuit capacity of conductor					
7	Conductor					
	Material					
7	Crosssectional Area					
	Whether Stranded?					
8	Insulation					
	Material					
8	Thickness	mm				
	Inner Sheath					
9	Material					
	Whether Extruded or Wrapped?					
9	Thickness	mm				
	Outer sheath					
10	Material					
	Thickness	mm				
11	Armour					
	Material					
11	Thickness	mm				
	Details of screen, if any					
12	Details of screen, if any					
13.0	Total overall diameter	mm				
14	Test Voltage					
	Five minute power frequency withstand voltage	kV/5min				
15	Type of cable end sealing					
	Cable drums					
16	Dimensions	mm				
	Weight	kg				
16	Nominal length per drum	mtr				

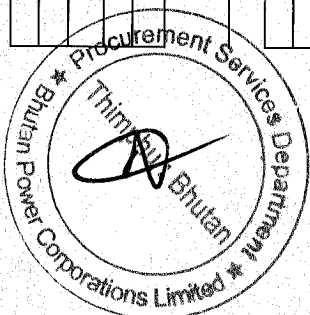


Guaranteed Technical Particulars

LOT 2: PVC Cables

Bidders to fill up

Sl. No.	Parameters	Units	Arm. Al Cable PVC Insulated (Item no. 13-16)			
			4C x 150 sq.mm	4C x 240 sq.mm	4C x 300 sq.mm	4C x400 sq.mm
1	Manufacturer					
2	Applicable Standards					
3	Rated voltage	kV				
4	System Voltage	kV				
5	Maximum current carrying capacity					
6	Short circuit capacity of conductor					
7	Conductor					
	Material					
7	Cross-sectional Area					
	Whether Stranded?					
8	Insulation					
	Material					
8	Thickness	mm				
	Inner Sheath					
9	Material					
	Whether Extruded or Wrapped?					
10	Thickness	mm				
	Outer sheath					
10	Material					
	Thickness	mm				
11	Armour					
	Material					
11	Thickness	mm				
12	Details of screen, if any					
13.0	Total overall diameter	mm				
14	Test Voltage					
	Five minute power frequency withstand voltage	kV/5min				
15	Type of cable end sealing					
16	Cable drums					
	Dimensions	mm				
16	Weight	kg				
	Nominal length per drum	mtr				

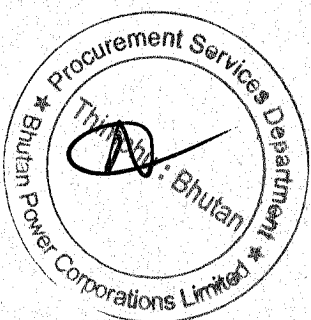


Guaranteed Technical Particulars

LOT 2: PVC Cables

Bidders to fill up

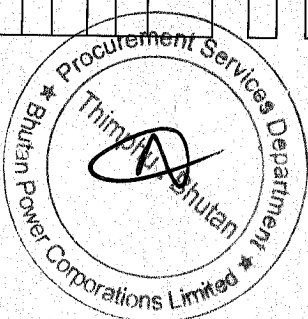
Sl. No.	Parameters	Units	Arm. Cu. Cable PVC Insulated (Item no. 17,18, 19)		
			4C x 10 sq.mm	14C x 2.5 sq.mm	2C x 2.5 sq.mm
1	Manufacturer				
2	Applicable Standards				
3	Rated voltage	kV			
4	System Voltage	kV			
5	Maximum current carrying capacity				
6	Short circuit capacity of conductor				
7	Conductor				
	Material				
7	Cross-sectional Area				
	Whether Stranded?				
8	Insulation				
	Material				
8	Thickness	mm			
	Inner Sheath				
9	Material				
	Whether Extruded or Wrapped?				
9	Thickness	mm			
	Outer sheath				
10	Material				
	Thickness	mm			
11	Armour				
	Material				
11	Thickness	mm			
12	Details of screen, if any				
13.0	Total overall diameter	mm			
	Test Voltage				
14	Five minute power frequency withstand voltage	kV/5min			
15	Type of cable end sealing				
	Cable drums				
16	Dimensions	mm			
	Weight	kg			
16	Nominal length per drum	mt			



Guaranteed Technical Particulars
LOT 2: PVC Cables

Bidders to fill up

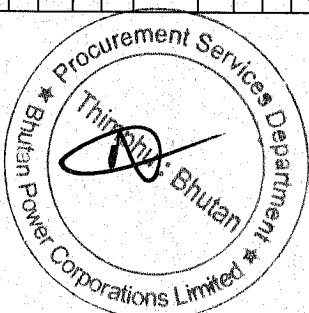
Sl. No.	Parameters	Units	Un.Arm.Cu. Cable PVC Insulated (Item no. 20-23)			
			2C x 10 sq.mm	2C x 16 sq.mm	4C x 16 sq.mm	4C x 25 sq.mm
1	Manufacturer					
2	Applicable Standards					
3	Rated voltage	kV				
4	System Voltage	kV				
5	Maximum current carrying capacity					
6	Short circuit capacity of conductor					
7	Conductor					
	Material					
7	Crosssectional Area					
	Whether Stranded?					
8	Insulation					
	Material					
8	Thickness	mm				
9	Inner Sheath					
	Material					
9	Whether Extruded or Wrapped?					
	Thickness	mm				
10	Outer sheath					
	Material					
10	Thickness	mm				
	Armour					
11	Material					
11	Thickness	mm				
12	Details of screen, if any					
13.0	Total overall diameter	mm				
14	Test Voltage					
	Five minute power frequency withstand voltage	kV/5min				
15	Type of cable end sealing					
16	Cable drums					
	Dimensions	mm				
16	Weight	kg				
	Nominal length per drum	mtr				



Guaranteed Technical Particulars
LOT 2: PVC Cables

Bidders to fill up

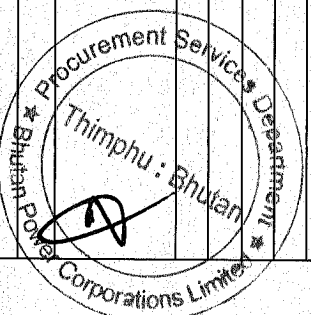
SL. No.	Parameters	Units	Unarm. Cu. Cable PVC Insulated (Item no. 24-27)			
			2C x 6 sq.mm	2C x 10 sq.mm	2C x 16 sq.mm	2C x 25 sq.mm
1	Manufacturer					
2	Applicable Standards					
3	Rated voltage	kV				
4	System Voltage	kV				
5	Maximum current carrying capacity					
6	Short circuit capacity of conductor					
7	Conductor					
	Material					
7	Crosssectional Area					
	Whether Stranded?					
8	Insulation					
	Material					
8	Thickness	mm				
	Inner Sheath					
9	Material					
	Whether Extruded or Wrapped?					
9	Thickness	mm				
	Outer sheath					
10	Material					
	Thickness	mm				
11	Armour					
	Material					
11	Thickness	mm				
12	Details of screen, if any					
13.0	Total overall diameter	mm				
14	Test Voltage					
	Five minute power frequency withstand voltage	kV/5min				
15	Type of cable end sealing					
	Cable drums					
16	Dimensions	mm				
	Weight	kg				
16	Nominal length per drum	mtr				



Guaranteed Technical Particulars

Lot 3 : ACSR Conductor

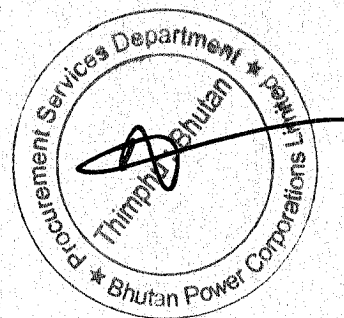
		Bidders to Fill up					
Sl. No.	Parameters	Unit	ACSR Conductor (Rabbit)-50 sq. mm	ACSR Conductor (Dog)-100 sq. mm	ACSR Conductor (Wolf)-150 sq. mm	ACSR Conductor (Zebra)- 400 sq. mm	ACSR Conductor (Moose) -500 sq. mm
1	Manufacturer						
2	Manufacturer Type Designation						
3	Applicable standard						
4	Nominal size of Conductor	mm ²					
5	Purity of material						
6	Percentage of carbon, sulphur phosphorus in steel wire rod						
7	Nominal Aluminium area	mm ²					
8	Tolerance in diameter						
9	Approximate Weight	Kg/km					
10	DC Resistance	Ω/Km					
11	AC Resistance at 75°C	Ω/Km					
12	Co-efficient of linear expansion °C per °C x 10 ⁻⁶						
13	Stranding and wire diameter						
	a) Aluminium in mm						
14	b) Steel in mm						
	Overall diameter of conductor in mm	mm					
15	Breaking load of conductor	KN					
16	Breaking load of Aluminium wire after stranding	KN					
17	Breaking load of steel wire after stranding	KN					
19	Continuous Maximum current rating of the complete conductor at 40°C ambient temp & 75°C Conductor temperature, wind speed of 1m/sec	Amps					
20	Standard length of the conductor in one drum	Mtr.					
21	Approved grease to be applied for each conductor inner layer as cover to fill the interstices between the strands of the outer layer						
22	Conductor drum material & dimension						
23	Overall weight of drum & conductor per drum	Kg.					



Guaranteed Technical Particulars

Lot 4 HV ABC

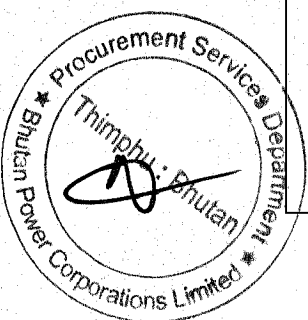
			Bidders to fill up	
SL. No.	Parameters	Units	HV ABC	
			3C x 50 sq. mm	3C x 95 sq.mm
1	Manufacturer			
2	Applicable Standards			
3	Rated voltage	kV		
	Conductor			
4	Nominal Area of core Conductor	mm ²		
5	Conductor Screen Material			
6	Min. Thickness of Conductor Screen	mm		
	Insulation			
7	Insulation material			
8	Minimum Insulation thickness	mm		
9	Minimum thickness of insulation screen	mm		
	Metallic Shield			
10	Material			
11	Size for Conductor screen	No./mm		
	Sheath			
12	Material			
13	Min. thickness	mm		
	Support Catenary			
14	Support Catenary size	No./mm		
15	Material			
	Test Voltage			
16	Five minute Power frequency withstand voltage	kV/5min		
17	Continuous Current Rating	A		
18	Type of cable end sealing			
	Cable drums			
a.	Dimensions	Mtr.		
b.	Weight	Kg		
c.	Nominal Length per drum	Mtr.		



Guaranteed Technical Particulars

Lot 5: LV ABC

Sl. No.	Parameters	Units	Bidders to fill up				
			2C x 50 sq.mm	2C x 95sq.mm	4C x 50 sq.mm	4C x 95 sq.mm	4C x 120 sq.mm
1	Manufacturer						
2	Applicable Standards						
3	Rated voltage	kV					
Conductor							
4	Nominal Conductor Diameter	mm					
5	Nominal Area of core Conductor	mm ²					
6	Nominal Overall Diameter	mm					
Insulation							
7	Insulation material						
8	Minimum Insulation thickness	mm					
9	DC Resistance at 20 Deg. C	Ohm/km					
10	AC Resistance at 50Hz, 80 Deg. C	Ohm/km					
11	Inductive Reactance at 50 Hz	Ohm/km					
12	Voltage Drop at 50Hz., 80 Deg. C	mV / A/m					
13	Continuous Current Rating	A					
14	Minimum Breaking Load	kN					
15	Maximum Working Tension	kN					
Test Voltage							
16	Five minute Power frequency withstand voltage	kV/5min					
Cable drums							
a.	Dimensions	Mtr.					
b.	Weight	Kg					
c.	Nominal Length per drum	Mtr.					



Guaranteed Technical Particulars

Lot 6: Covered AAAC conductor

Sl. No.	Parameters	Units	Bidders to Fill up		
			Covered AAAC- 49.5 sq.mm	Covered AAAC -111 sq.mm	Covered AAAC- 158 sq.mm
1	Name of Manufacturer and Country				
2	Applicable Standards				
3	Rated voltage	KV			
4	Conductor				
4.1	Materials				
4.2	Cross -Sectional Area	mm ²			
4.3	Whether stranded?				
5	Insulation				
5.1	Material				
5.2	Thickness	mm			
6	Total Overall Dia	mm			
7	Test Voltage				
7.1	AC Test Voltage				
7.2	Five minute Power frequency withstand voltage	KV/5min			
7.3	Water immersion test voltage				
8	Type of cable end sealing				
9	Cable drums				
9.1	Dimensions	Mtr.			
9.2	Weight	Kg			
9.3	Nominal Length per drum	Mtr.			

