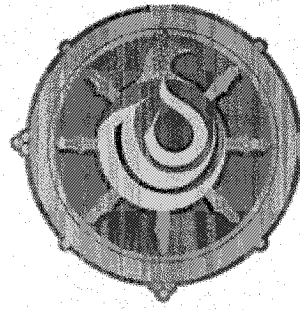




འབྲུག་གྲོག་མེ་ལས་འཛིན།



Bhutan Power Corporation Limited
(An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Company)
Registered Office, Thimphu
Procurement Services Department
Thimphu: Bhutan

BPC/PSD/2023 Materials/2022/10/ 556

July 20, 2022

.....
.....
.....
Subject: Addendum No. I

Tender Title: Supply and Delivery of Cables, Conductors and Hardware Fittings

Reference: BPC/PSD/2023 Materials/2022/10 dated July 09, 2022

Dear Sir/Madam,

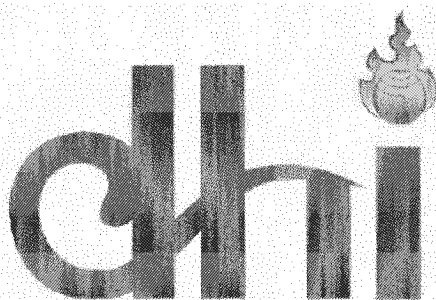
This is to inform all the bidders that PSD, BPC would like to issue amendment against the Lot 6 (Covered AAAC) of the above referred tender. The detail revised commercial and technical requirements of the lot is mentioned under the BDS (Bid Data Sheet) and Schedule of Supply which are attached herewith.

Bidders are advised to note the changes and quote accordingly. All other terms and conditions shall remain same.

Thanking you.

Yours sincerely,

(Nim Dorji)
General Manager

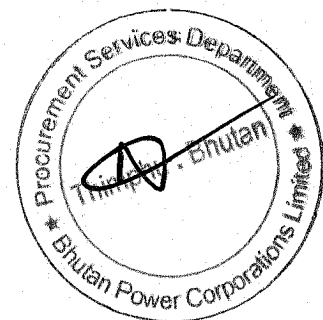


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DRUK HOLDING & INVESTMENTS LTD.

GROUP STANDARD BIDDING DOCUMENT

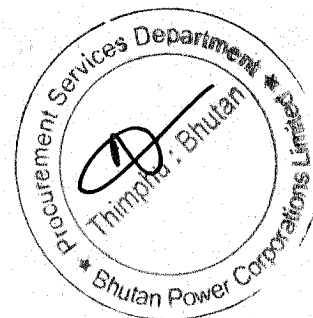
GOODS (BDS)



Tender Reference: BPC/PSD/2023 Materials/2022/10 dated July 09, 2022 for the supply and delivery of Cables, Conductors and Hardware Fittings

Contents

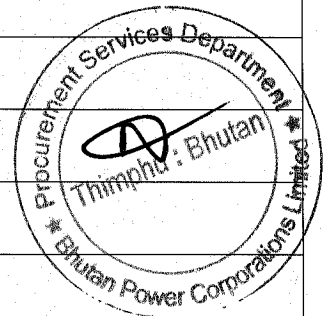
SECTION II. BID DATA SHEET 3



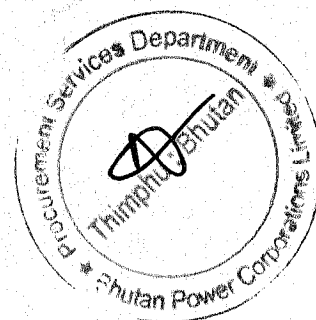
SECTION II. BID DATA SHEET

The Bid Data Sheet (BDS) contains information and provisions that are specific to a particular bidding process. The Purchaser must specify in the BDS only information that the Instructions to Bidders (ITB) request be specified in the BDS. All information shall be provided, and no clause shall be left blank. To facilitate the preparation of the BDS, its clauses are numbered with the same numbers as the corresponding ITB clauses. This guide provides information to the Purchaser on how to enter all required information, and includes a BDS format that summarizes all information to be provided.

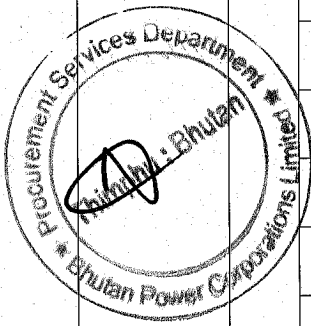
ITB	Particulars																										
1.1	Tender No.: BPC/PSD/2023 Materials/2022/10 dated July 09, 2022																										
1.1	Tender Name: The Supply and Delivery of Cables, Conductors and Hardware Fittings																										
1.1	Purchaser: Procurement Services Department, Bhutan Power Corporation Limited, Yarden Lam, Post Box No. 580, Thimphu, Bhutan.																										
1.1	<p>The number and identification of Lots comprising this tender are:</p> <table border="1" data-bbox="432 887 1470 1816"> <thead> <tr> <th data-bbox="432 887 589 954">Lot No.</th> <th data-bbox="589 887 1470 954">Lot Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="432 954 589 1021">1</td> <td data-bbox="589 954 1470 1021">XLPE Cables</td> </tr> <tr> <td data-bbox="432 1021 589 1088">2</td> <td data-bbox="589 1021 1470 1088">PVC Cables</td> </tr> <tr> <td data-bbox="432 1088 589 1155">3</td> <td data-bbox="589 1088 1470 1155">ACSR and AACSR Conductors</td> </tr> <tr> <td data-bbox="432 1155 589 1223">4</td> <td data-bbox="589 1155 1470 1223">HV ABC Cables</td> </tr> <tr> <td data-bbox="432 1223 589 1290">5</td> <td data-bbox="589 1223 1470 1290">LV ABC Cables</td> </tr> <tr> <td data-bbox="432 1290 589 1357">6</td> <td data-bbox="589 1290 1470 1357">Covered AAAC Conductors</td> </tr> <tr> <td data-bbox="432 1357 589 1424">7</td> <td data-bbox="589 1357 1470 1424">Conductor Hardware Fittings</td> </tr> <tr> <td data-bbox="432 1424 589 1491">8</td> <td data-bbox="589 1424 1470 1491">ABC Fittings</td> </tr> <tr> <td data-bbox="432 1491 589 1559">9</td> <td data-bbox="589 1491 1470 1559">Cable Termination and Jointing Kits</td> </tr> <tr> <td data-bbox="432 1559 589 1626">10</td> <td data-bbox="589 1559 1470 1626">ADSS and OPGW Cables</td> </tr> <tr> <td data-bbox="432 1626 589 1693">11</td> <td data-bbox="589 1626 1470 1693">Copper Wires</td> </tr> <tr> <td data-bbox="432 1693 589 1760">12</td> <td data-bbox="589 1693 1470 1760">Relays</td> </tr> </tbody> </table>	Lot No.	Lot Description	1	XLPE Cables	2	PVC Cables	3	ACSR and AACSR Conductors	4	HV ABC Cables	5	LV ABC Cables	6	Covered AAAC Conductors	7	Conductor Hardware Fittings	8	ABC Fittings	9	Cable Termination and Jointing Kits	10	ADSS and OPGW Cables	11	Copper Wires	12	Relays
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8.2	<p>For Bid clarification purposes, the Purchaser's address is: Attention: The General Manager. Address: Procurement Services Department, Bhutan Power Corporation Limited, Yarden Lam, Post Box No. 580, Thimphu, Bhutan. Telephone number: +975-2-326289 Electronic mail address: nim.dorji@bpc.bt</p>																										



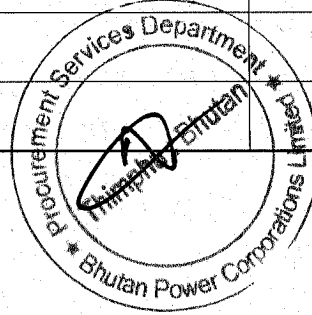
	copy to: psdbpc@gmail.com / kinzangwangmo@bpc.bt
8.3	Bid Clarification request will be received on or before: Time : 17:00 hour Date : August 02, 2022
8.5	A pre-bid meeting shall not take place.
12.1	<p>Bid shall comprise of the following:</p> <ul style="list-style-type: none"> • Bid form • Integrity Pact • Bid Security • Power of Attorney • Manufacturers Authorization (MA) • Guaranteed Technical Particulars (GTP) • Price Schedule and • Type Test Reports in accordance with the instructions to the Bidders. <p>The bidders shall also submit soft copy of the GTP (excel form).</p> <p>Further, the Bidder shall submit with its Bid the following additional documents:</p> <p>a) <i>Copies of valid Trade License</i> b) <i>Latest Tax Clearance Certificate</i> c) <i>Compliance to Delivery Schedule</i></p>
15.1	Alternative Bids shall not be permitted.
16.3	<p>The Bidder shall quote prices in DDP (Delivered Duty Paid), RSD, Pasakha (Place of destination) for all the lots as per incoterm 2020.</p> <p>Notwithstanding any possible misinterpretation/ambiguity in interpretation, it is explicitly clarified that the offered prices shall be all inclusive covering all costs including but not limited to transportation, insurance, taxes and duties and any other costs for delivery of the materials to the Purchaser at the designated place of delivery/destination.</p>
16.3 (a) (iii)	The final destination is: Pasakha, Regional Store Divisions, BPC, Phuentsholing, Bhutan.
16.3 (b) i, ii, & iii	The price shall be inclusive of all taxes and duties that are applicable both inside and outside the purchaser's country.
16.5	Bids are being invited for lots
18.1	The prices quoted by the Bidder <i>shall not be adjustable</i> except under the circumstances specified under Clause 38.3 (e)



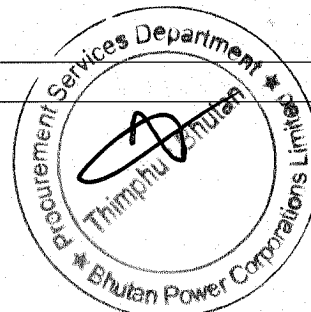
<p>19.1, 19.2 and 19.3</p>	<p>Bid Prices shall be quoted in Ngultrum for goods offered from Bhutan, in Indian Rupees for goods offered from India; and in US dollar/major foreign currencies for goods offered from other Countries.</p> <p>Bid Prices expressed in Indian currency and US Dollars/major foreign currencies shall be accepted and evaluated in accordance to ITB 38. For bid evaluation purpose the exchange rate will be based on the Telegraphic Transfer (TT) selling rate published by the Royal Monetary Authority (RMA) of the Kingdom of Bhutan on the day of bid opening or the immediate preceding date as posted by the RMA. For bid expressed in Indian currency and US Dollars/major foreign currencies, payments shall be made in equivalent Ngultrum through banking channel and the responsibilities of payment transfer and transfer charges lie on the Suppliers.</p>																										
<p>20.1</p>	<p>Technical Specifications</p> <p>The minimum technical specification (where ever required) are detailed out under respective Lot and Price schedule. Any technical deviation shall be brought out in the GTP forms for the items where GTP forms are provided and for the items where GTP forms are not required, the deviation shall be brought out in the deviation sheet provided. If the deviations are not mentioned in GTP and deviation sheet provided, the specification shall be considered as complied with the requirement.</p>																										
<p>20.2</p>	<p>Guaranteed Technical Specifications (GTPs) <i>"is" required /to be offered if any</i></p> <table border="1" data-bbox="448 1048 1472 1912"> <thead> <tr> <th data-bbox="448 1048 1125 1104">Lot Description</th> <th data-bbox="1130 1048 1472 1104">Remarks</th> </tr> </thead> <tbody> <tr> <td data-bbox="448 1111 1125 1167"><i>Lot 1: XLPE Cables</i></td> <td data-bbox="1130 1111 1472 1167"><i>Required</i></td> </tr> <tr> <td data-bbox="448 1173 1125 1229"><i>Lot 2: PVC Cables</i></td> <td data-bbox="1130 1173 1472 1229"><i>Required</i></td> </tr> <tr> <td data-bbox="448 1236 1125 1292"><i>Lot 3: ACSR and AACSR Conductors</i></td> <td data-bbox="1130 1236 1472 1292"><i>Required</i></td> </tr> <tr> <td data-bbox="448 1299 1125 1355"><i>Lot 4: HV ABC Cables</i></td> <td data-bbox="1130 1299 1472 1355"><i>Required</i></td> </tr> <tr> <td data-bbox="448 1361 1125 1417"><i>Lot 5: LV ABC Cables</i></td> <td data-bbox="1130 1361 1472 1417"><i>Required</i></td> </tr> <tr> <td data-bbox="448 1424 1125 1480"><i>Lot 6: Covered AAAC Conductors</i></td> <td data-bbox="1130 1424 1472 1480"><i>Required</i></td> </tr> <tr> <td data-bbox="448 1487 1125 1543"><i>Lot 7: Conductor Hardware Fittings</i></td> <td data-bbox="1130 1487 1472 1543"><i>To be offered</i></td> </tr> <tr> <td data-bbox="448 1550 1125 1606"><i>Lot 8: ABC Fittings</i></td> <td data-bbox="1130 1550 1472 1606"><i>To be Offered</i></td> </tr> <tr> <td data-bbox="448 1612 1125 1668"><i>Lot 9: Cable Termination and Jointing Kits</i></td> <td data-bbox="1130 1612 1472 1668"><i>To be Offered</i></td> </tr> <tr> <td data-bbox="448 1675 1125 1731"><i>Lot 10: ADSS and OPGW Cables</i></td> <td data-bbox="1130 1675 1472 1731"><i>To be Offered</i></td> </tr> <tr> <td data-bbox="448 1738 1125 1794"><i>Lot 11: Copper Wires</i></td> <td data-bbox="1130 1738 1472 1794"><i>To be Offered</i></td> </tr> <tr> <td data-bbox="448 1800 1125 1856"><i>Lot 12: Relays</i></td> <td data-bbox="1130 1800 1472 1856"><i>To be Offered</i></td> </tr> </tbody> </table> <p>a) <i>The bid for that item(s)/Lot(s) shall be rejected if the GTP required Forms are not duly filled up and submitted as specified under respective lot.</i></p>	Lot Description	Remarks	<i>Lot 1: XLPE Cables</i>	<i>Required</i>	<i>Lot 2: PVC Cables</i>	<i>Required</i>	<i>Lot 3: ACSR and AACSR Conductors</i>	<i>Required</i>	<i>Lot 4: HV ABC Cables</i>	<i>Required</i>	<i>Lot 5: LV ABC Cables</i>	<i>Required</i>	<i>Lot 6: Covered AAAC Conductors</i>	<i>Required</i>	<i>Lot 7: Conductor Hardware Fittings</i>	<i>To be offered</i>	<i>Lot 8: ABC Fittings</i>	<i>To be Offered</i>	<i>Lot 9: Cable Termination and Jointing Kits</i>	<i>To be Offered</i>	<i>Lot 10: ADSS and OPGW Cables</i>	<i>To be Offered</i>	<i>Lot 11: Copper Wires</i>	<i>To be Offered</i>	<i>Lot 12: Relays</i>	<i>To be Offered</i>
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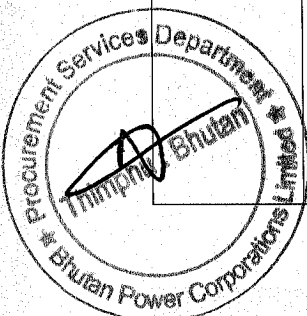
	<p>The bidders are required to duly fill up the GTP forms provided in the bidding document. The catalogue/brochures of the items shall not be considered as GTP of the item. Further, if there are discrepancies between the item catalogue/brochures and the offered GTP, then GTP shall prevail.</p> <p>For convenience purpose, the GTP in Excel format is attached herewith. The GTP must be seal, sign and fill up without any alteration to its format.</p> <p>b) For the item(s)/Lot(s) of which GTP forms are not provided under respective lot, the bidders are requested to submit the catalogue or drawings for individual items or offer GTP if there is any. The offered items shall be clearly indicated in the catalogue and if there is any deviation, brought out in deviation sheet provided.</p>																										
,20.3	The period of time for which the Goods are expected to be functioning (for the purpose of spare parts, special tools, etc.): <i>Not Applicable</i> .																										
21.1	Financial Capability The Bidder shall furnish documentary evidence that it meets the financial requirement(s): <i>Not Applicable</i>																										
21.2	Experience and Technical Capacity The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s): <i>ISO Certificate, list of previous clients, relevant catalogues, notarized test certificates, list of past performance certificates and manufacturer's profile for all new brands that are introduced in BPC.</i>																										
21.3(a)	<p>Manufacturer's Authorization (MA) "is" required/Not Required</p> <table border="1"> <thead> <tr> <th>Lot Description</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>Lot 1: XLPE Cables</td> <td>Required</td> </tr> <tr> <td>Lot 2: PVC Cables</td> <td>Required</td> </tr> <tr> <td>Lot 3: ACSR and AACSR Conductors</td> <td>Required</td> </tr> <tr> <td>Lot 4: HV ABC Cables</td> <td>Required</td> </tr> <tr> <td>Lot 5: LV ABC Cables</td> <td>Required</td> </tr> <tr> <td>Lot 6: Covered AAAC Conductors</td> <td>Required</td> </tr> <tr> <td>Lot 7: Conductor Hardware Fittings</td> <td>Required</td> </tr> <tr> <td>Lot 8: ABC Fittings</td> <td>Required</td> </tr> <tr> <td>Lot 9: Cable Termination and Jointing Kits</td> <td>Required</td> </tr> <tr> <td>Lot 10: ADSS and OPGW Cables</td> <td>Required</td> </tr> <tr> <td>Lot 11: Copper Wires</td> <td>Required</td> </tr> <tr> <td>Lot 12: Relays</td> <td>Required</td> </tr> </tbody> </table>	Lot Description	Remarks	Lot 1: XLPE Cables	Required	Lot 2: PVC Cables	Required	Lot 3: ACSR and AACSR Conductors	Required	Lot 4: HV ABC Cables	Required	Lot 5: LV ABC Cables	Required	Lot 6: Covered AAAC Conductors	Required	Lot 7: Conductor Hardware Fittings	Required	Lot 8: ABC Fittings	Required	Lot 9: Cable Termination and Jointing Kits	Required	Lot 10: ADSS and OPGW Cables	Required	Lot 11: Copper Wires	Required	Lot 12: Relays	Required
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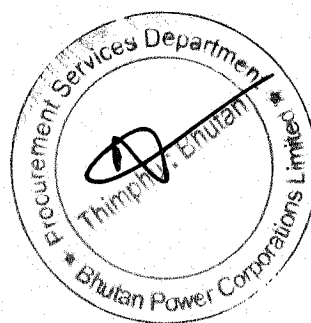
	<p>a) <i>The bid for that item(s)/Lot(s) shall be rejected if the Manufacturer's Authorization is not submitted for which the Manufacturer's Authorization is required.</i></p> <p>b) <i>The Bidders are to mention the brand and origin of goods in the price schedule and submit the Manufacturer's Authorization accordingly.</i></p> <p>c) <i>The brands (restricted/preferred) are mentioned in the price schedule and bidders are to quote accordingly. Item/lots for which brands are restricted, no alternative/ substitute brand shall be accepted and shall be considered as non-responsive for that particular item/lot.</i></p>																										
21.3 (b)	After sales maintenance, repair, spare parts stocking and related services: are not Required , and the Bidder therefore is <i>not required</i> to be represented by a suitably equipped and able agent in Bhutan.																										
21.3 (c)	Joint Venture, Consortium (JV/C) Bids are permitted: "YES" , the number of partners forming Joint Venture, Consortium (JV/C) : <i>Two</i>																										
22.1	The Bid validity period shall be 90 days from the last date of bid submission i.e., up to November 07, 2022 .																										
23.1	<p>The Bidder shall furnish a bid security in the amount and currencies as shown below in favour of Director, FAS, BPC:</p> <table border="1" data-bbox="448 1093 1475 1960"> <thead> <tr> <th>Lot Description</th> <th>Amount (Nu.)</th> </tr> </thead> <tbody> <tr> <td>Lot 1: XLPE Cables</td> <td>1,350,000.00</td> </tr> <tr> <td>Lot 2: PVC Cables</td> <td>1,731,000.00</td> </tr> <tr> <td>Lot 3: ACSR and AACSR Conductors</td> <td>33,000.00</td> </tr> <tr> <td>Lot 4: HV ABC Cables</td> <td>475,000.00</td> </tr> <tr> <td>Lot 5: LV ABC Cables</td> <td>3,426,000.00</td> </tr> <tr> <td>Lot 6: Covered AAAC Conductors</td> <td>400,000.00</td> </tr> <tr> <td>Lot 7: Conductor Hardware Fittings</td> <td>30,000.00</td> </tr> <tr> <td>Lot 8: ABC Fittings</td> <td>300,000.00</td> </tr> <tr> <td>Lot 9: Cable Termination and Jointing Kits</td> <td>85,000.00</td> </tr> <tr> <td>Lot 10: ADSS and OPGW Cables</td> <td>99,000.00</td> </tr> <tr> <td>Lot 11: Copper Wires</td> <td>117,000.00</td> </tr> <tr> <td>Lot 12: Relays</td> <td>1,000.00</td> </tr> </tbody> </table>	Lot Description	Amount (Nu.)	Lot 1: XLPE Cables	1,350,000.00	Lot 2: PVC Cables	1,731,000.00	Lot 3: ACSR and AACSR Conductors	33,000.00	Lot 4: HV ABC Cables	475,000.00	Lot 5: LV ABC Cables	3,426,000.00	Lot 6: Covered AAAC Conductors	400,000.00	Lot 7: Conductor Hardware Fittings	30,000.00	Lot 8: ABC Fittings	300,000.00	Lot 9: Cable Termination and Jointing Kits	85,000.00	Lot 10: ADSS and OPGW Cables	99,000.00	Lot 11: Copper Wires	117,000.00	Lot 12: Relays	1,000.00
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	<p>Preferably Bid Security should be submitted for the individual lots. Combined Bid Security would be also accepted. However, if the combined Bid Security is not sufficient in terms of total amount, the offer for the entire quoted lots would be treated as non-responsive as per ITB 23 and not considered for further evaluation.</p> <p><i>For e-bids, bidders shall submit the Bid Security in original form to Procurement Service Departments (PSD), Head Office/ Regional Store Division (RSD), Phuentsholing/RSD Gelephu on or before the deadline for the submission of bids and also upload the scan copy of bid security in the www.tender.bt website</i></p>
23.5	The Bid Security validity period shall be valid till December 07, 2022.
24.1 & 25.1	In addition to the original Bid, the number of copies is: <i>Not Applicable</i>
25.2(b)	For bid submission purposes only, the Purchaser's address is: Attention: <i>The General Manager</i> Address: <i>Procurement Services Department, Bhutan Power Corporation Limited, Yarden Lam, Post Box No. 580, Thimphu, Bhutan.</i>
25.3	Mode of Tendering is Single Stage – One Envelope Process.
25.8	<p>Bidders are required to submit e-bids through e-procurement system (www.tender.bt).</p> <p>Bidders have to visit website www.tender.bt for vendor registration if the vendor has not registered in the e-procurement platform and submit the bid online. The user manual for vendor registration and bidding process is available under Downloads in website www.tender.bt</p>
26.1	The deadline for the submission of Bid is: August 09, 2022 at 14:00 hours
29.1	<p>The Bid Opening shall take place at: Address: Conference Hall, Head Office, BPC, Thimphu Date : August 09, 2022 Time : 15:00 Hours Venue : BPC Conference Hall</p>
37.1	A margin of five percent (5%) Domestic Preference <i>shall not apply.</i>
38.3 (a)	<p>Evaluation will be done for: Lot wise</p> <p><i>A lot with an alternative item price shall be rejected and that lot shall not be considered for further evaluation.</i></p> <p><i>In case some items are not quoted for a particular lot, the corporation reserves the right to cost load the highest responsive rate of other bidders for the purpose of</i></p>



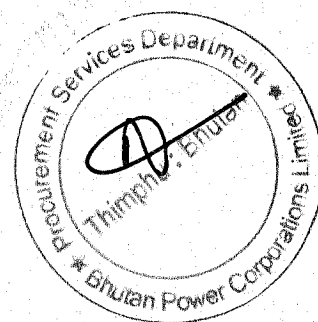
	<p><i>evaluation of that lot if it was determined that the non-quoted items are not a major component of the lot or do not form an integral element of the lot. Actual order shall however be done based on the lowest rate that has been quoted in that bid package.</i></p>
38.3(e)	<p>The adjustments shall be determined using the following criteria:</p> <p>(a) Deviation in Delivery schedule: Yes</p> <p><i>No credit will be given to earlier delivery but Bids offering late delivery schedules (LDS) will be accepted but the Bids shall be adjusted for the purpose of the bid evaluation only adding at the rate of @one (1) per cent of the bid price for each week of delay to the bid price. Bids offering delivery schedules beyond 1 (one) month of the delivery period shall be rejected.</i></p> <p>(b) Deviation in payment schedule: No</p> <p>(c) The cost of major replacement components, mandatory spare parts, and service: No</p> <p>(d) The availability in Bhutan of spare parts and after-sales services for the equipment offered in the Bid : No</p> <p>(e) The projected operating and maintenance costs during the life of the equipment: No</p> <p>(f) The performance and productivity of the equipment offered: No.</p>
38.6	<p>Bidders shall be allowed to quote prices for one or more lots. The price schedule must be completed without any alteration to its format.</p>
44.2 & 45.1	<p>The successful Bidder shall submit the performance security and sign the Contract within fifteen (15) days after the issuance of the Notification of Award.</p>



2. Technical Specification

Table of Content

Sl #	Technical Specification
1	Common Technical Specification and Test Standards
2	Technical Specifications for the Lots and drawings
3	GTP to be filled up by bidder
4	Price Schedule



Lot 6: Covered AAAC Conductors

Scope of supply

This section covers the requirements for the design, manufacture, testing, and delivery and unloading at BPC stores of Covered AAAC conductors.

AAAC covered overhead conductor

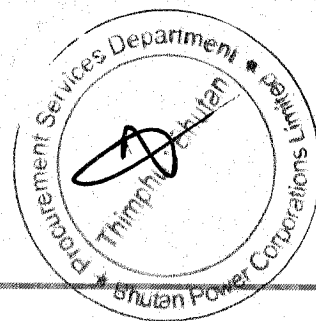
The water blocked covered conductor (CC) should have AAAC Conductor material (Alloy 1120) suitable for overhead lines for working voltages 6.35/11 kV and 19/33 kV, 50 Hz. AC system. The cover insulation shall be UV stabilized XLPE insulation. The covered conductors shall be marked on the external surface with the following:

- (a) Manufacturer's name, registered trade name or registered mark
- (b) Year of manufacture
- (c) Length in metres marking in sequential numbers at 1 m intervals, with the lowest number at the inner end of the drum. Any drum length can be started at any integral number with starting metre length is allowed.
- (d) Covered conductor type CC
- (e) Conductor material AAAC, Alloy 1120

The Minimum Technical Requirement of the AAAC Covered

	Units	Conductor size and type		
Applicable Standard		IEC 60502, IEC 60228		
Rated Voltage	kV	11 kV and 33 kV		
Nominal cross-sectional area	mm ²	49.5	111	158
Calculated equivalent aluminium area	mm ²	47.2	106	150
Stranding and nominal wire diameter	No./mm	7/3.00 (Fluorine)	7/4.5 (Hydrogen)	19/3.25 (Krypton)
Conductor Material		Aluminium Alloy 1120		
Cover insulation material		UV stabilized XLPE		
Approximate conductor diameter	mm	9	13.5	16.3
Minimum thickness of XLPE Cover		The thickness of the XLPE insulation shall be specified for each of the nominated working voltages		
Overall diameter of the Cable (approx.)	mm	12.4 - 14	16.9 - 18.5	19.7 - 21.3
Max. Conductor DC resistance at 20°C	Ohm/km	0.641	0.253	0.164
50 Hz Inductive Reactance	Ohm/km	0.312	0.297	0.281
Continuous current rating	Amps	215	290	375
Weight Conductor without insulation	Kg/km	135	304	433
Weight of conductor with insulation	Kg/km	340	500	710

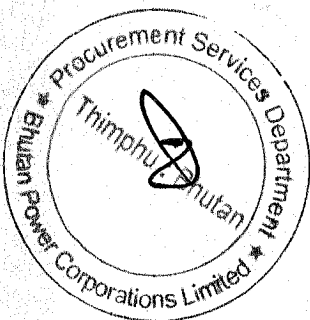
The Bidder shall submit the UV weathering test for XLPE Insulation result with the bid.



Guaranteed Technical Particulars

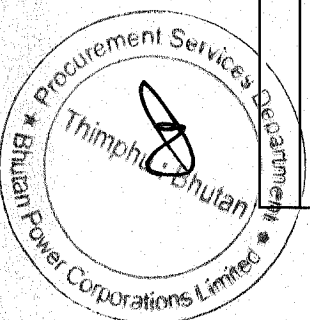
Lot 6: 11 kV Covered AAAC conductor (Item 1, 2 & 3)

		Bidders to Fill up			
Sl. No.	Parameters	Units	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.			



Guaranteed Technical Particulars
Lot 6: 33 kV Covered AAAC conductor (Item 4 & 5)

		Bidders to Fill up		
Sl. No.	Parameters	Units	Covered AAAC- 49.5 sq.mm	Covered AAAC- 111 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.		



Lot 6: Covered AAAC

SL#	Material Description	UoM	Qty	Offered Brand and Country of Origin	Unit Price DDP (Nu.)	Total Price DDP (Nu.)
	11 kV Covered AAAC					
1	Covered AAAC - 49.5 sq.mm	KM	1.20			
2	Covered AAAC - 111 sq.mm	KM	6.81			
3	Covered AAAC-158 sq.mm	KM	3.01			
	33 kV Covered AAAC					
4	Covered AAAC - 49.5 sq.mm	KM	4.49			
5	Covered AAAC - 111 sq.mm	KM	71.15			
Total Amount of the Lot (Nu.)						

Note : Brand restricted to : PT KMI Wires and cables, Tbk, PT Sucaco Tbk, PT Voksel Electric Tbk, PT Jembo cables company Tbk and Zhongli Science & Technology, China.

