

# BANGLADESH CABLE SHILPA LIMITED, KHULNA

INTERNATIONAL TENDER FOR IMPORT OF RAW-MATERIALS FOR  
MANUFACTURING OF CABLE/DUCT/ELECTRIC OVERHEAD CONDUCTORS.



INTERNATIONAL TENDER NO. 14.37.0000.702.07.264.18.1522  
DATED: 14-06-2018

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Tender Receiving Date and Time	: 18-07-2018 up to 11-00 Hours.
Tender Opening Date and Time	: 18-07-2018 at 11-15 Hours.
Place of Receiving & Opening	: Dhaka City Office, Bangladesh Cable Shilpa Limited, Nilkhet Telephone Exchange Building (1 <sup>st</sup> Floor), Dhaka.

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Cost of Tender Documents : Tk. 2,000.00 (Two thousand) per set  
(non-refundable).

N.B: IN CASE OF ANY HOLIDAY DECLARED BY THE GOVT. OR ANY UNAVOIDABLE  
CIRCUMSTANCES THE TENDER WILL BE RECEIVED & OPENED ON NEXT WORKING DAY  
AS PER SCHEDULE TIME AS MENTIONED ABOVE.

BANGLADESH CABLE SHILPA LIMITED,  
SHIROMONI INDUSTRIAL AREA,  
KHULNA - 9206,  
FAX NO. 880-41-785375  
E-MAIL: dmpurbcs1702@gmail.com  
WEBSITE: www.bcs1.gov.bd



## Bangladesh Cable Shilpa Limited, Khulna. Invitation for Tender (IFT)

1	Ministry/Division	Ministry of Posts, Telecommunications & Information Technology						
2	Procuring Entity Name	Bangladesh Cable Shilpa Ltd.						
3	Procuring Entity District	Khulna						
4	Invitation for	Procurement of Raw Materials for Manufacturing of Cable/Duct/ Electric Overhead Conductors						
5	Tender Invitation Ref. No.	14.37.0000.702.07.264.18.1492						
6	Date	11-06-2018.						
<b>KEY INFORMATION</b>								
7	Procurement Method	Open Tendering Method with International Competition						
<b>FUNDING INFORMATION</b>								
8	Budget and Source of Funds	BCSL's Own Fund						
<b>PARTICULAR INFORMATION</b>								
9	Tender Publication Date	Within 14-06-2018						
10	Tender Last Selling Date	17-07-2018 till 16:30 hours						
		<b>Date</b>	<b>Time</b>					
11	Tender Closing Date and Time	18-07-2018	11:00 hours.					
12	Tender Opening Date and Time	18-07-2018	11:15 hours.					
13	Name & Address of the office(s)	<b>Address</b>						
	Selling Tender Document	Office of the Liaison Officer, Dhaka City Office, Bangladesh Cable Shilpa Limited, Nilkhet Telephone Exchange Building (1 <sup>st</sup> Floor), Dhaka-1205, Phone No-02-9615501.						
	Receiving Tender Document	Cash Section, Accounts Dept., Bangladesh Cable Shilpa Ltd., Shiromoni Industrial Area, Khulna. Telephone No. 041-785603, 785236 Ext. 206						
	Opening -Tender Document	Office of the Liaison Officer, Dhaka City Office, Bangladesh Cable Shilpa Limited, Nilkhet Telephone Exchange Building (1 <sup>st</sup> Floor), Dhaka-1205, Phone No-02-9615501.						
<b>INFORMATION FOR TENDERER</b>								
14	Eligibility of Tenderer	Tenderer from all countries of the world except Israel. Tenderer / Supplier shall have minimum <b>5 years supply experience</b> in Cable/Duct/Overhead Conductors Manufacturing Factories and in the relevant fields around the world.						
15	Brief Description of Goods	Please see serial No. 17 below:						
16	Price of Tender Document	Taka 2,000.00 (Two thousand) only per set (Non Refundable).						
17	<b>Lot No.</b>	<b>Identification of Lot</b>	<b>Location</b>	<b>Quantity</b>	<b>Fixed Tender Security.</b>	<b>Completion Time</b>		
	<b>Raw Materials for Optical Fiber Cable:</b>							
	1	Coloured Optical Fiber (Single Mode G652D), Different Colours	Khulna	25000 KM	USD 4,000.00		All the Raw Materials should be supplied within 45 days from the date of purchase order.	
	<b>Raw Materials for Electric Overhead Conductors:</b>							
	2	Aluminium Rod (Dia. 9.5 mm)	Khulna	175 M. Ton	USD 8,000.00			
	3	Galvanized Steel Core Wire (Different Sizes)	Khulna	55 M. Ton	USD 1,450.00			
	4	PVC Compound (Cable Grade)	Khulna	20 M. Ton	USD 400.00			
	5	Cross-Linkable Polyethylene (XLPE) Compound	Khulna	10 M. Ton	USD 350.00			
<b>Raw Materials for HDPE Ducts:</b>								
6	HDPE-RT, Natural Colour (Pipe Grade)	Khulna	100 M. Ton	USD 2,500.00				
<b>Raw Materials for Copper Telecommunication Cable:</b>								
7	Copper Rod (Dia. 8 mm)	Khulna	100 M. Ton	USD 12,000.00				
<b>PROCURING ENTITY DETAILS</b>								
18	Name of Official Inviting Tender	<b>Md. Alauddin Al Azad</b>						
19	Designation of Official Inviting Tender	General Manager (Purchase & Marketing)						
20	Address of Official Inviting Tender	Bangladesh Cable Shilpa Ltd., Shiromoni Industrial Area, Khulna-9206. Phone No. 0088-041-785150, 01711402002, 785236 Ext. 221, Fax No. 0088-041-785375.						
21	Contact details of Official Inviting Tender	Foreign Purchase Section, Bangladesh Cable Shilpa Ltd., Shiromoni Industrial Area, Khulna. Phone no. 0088-041-785150, 01711402002,785236 Ext. 221, Fax no. 0088-041-785375. <b>Please visit our website at <a href="http://www.bcsl.gov.bd">www.bcsl.gov.bd</a> &amp; CPTU Web Site: <a href="http://www.cptu.gov.bd">www.cptu.gov.bd</a> &amp; E-mail: <a href="mailto:dmpurbcsi702@gmail.com">dmpurbcsi702@gmail.com</a>.</b>						
22	<b>The procuring entity reserves the right to accept or reject any or all tenders without assigning any reason whatsoever.</b>							

*(Signature)*  
11.06.18

(Md. Alauddin Al Azad)  
General Manager (Purchase & Marketing)  
Bangladesh Cable Shilpa Limited, Khulna-9206, Bangladesh

FORM OF ACKNOWLEDGEMENT

Bangladesh Cable Shilpa Limited,  
Shiromoni Industrial Area,  
P.O. Sonali Jute Mills Limited,  
Khulna-9206, Bangladesh

Subject: Participation in International Tender No. **14.37.0000.702.07.264.18.1522**  
date **14-06-2018** due to for opening on **18-07-2018**.

We,.....Principal supplier  
M/s.....  
Manufacturer M/s.....  
hereby, offer for supply the material in conformity with the specifications as  
enumerated in **Annexure-I**. We confirm to bid for the designated item(s) at the firm  
price quoted in full compliance with the terms and conditions of the attached tender  
documents.

A tender security in the form of Bank Guarantee/Demand Draft/Pay Order of an  
amount of Tk. .... only or equivalent US\$/EURO/ pound sterling shall be  
enclosed herewith .

Very truly yours

Date:

Signature of the Tenderer/bidder  
Including title and capacity

(To be filled up and signed by the Manufacturer on their letterhead pad)

**TO WHOM IT MAY CONCERN**

**POWER OF ATTORNEY / AUTHORISATION LETTER**

**SUBJECT:** Tender No. ....

Date: .....

For Supply of .....

**Dear Sir,**

We, the undersigned, M/s. .... (Name and address).....,

.....,  
being the manufacturer of ..... (Name of Raw-Material) .....  
do hereby appoint M/s. .... (Name and address of the  
supplier /tenderer) ..... as our authorized  
representative for submitting bid(s) against the above mentioned tender invited by  
the Bangladesh Cable Shilpa Ltd., Khulna, Bangladesh.

We also hereby authorize the said representative to supply our goods, submit all  
documents related to the tender, negotiate and do necessary formalities with your  
authority as and when required and sign the contract for and on our behalf.

Very truly yours,

.....  
Signature:  
Name:  
Designation:

(To be filled up and signed by the Supplier/Tenderer on their letterhead pad)

**TO WHOM IT MAY CONCERN**

**POWER OF ATTORNEY / AUTHORIZATION LETTER**

**SUBJECT:** Tender No. ....

Date: .....

For Supply of .....

**Dear Sir,**

We, the undersigned, M/s.

.....  
..... (Name and address of the  
Supplier/Tenderer) being the Supplier/Tenderer of ..... (Name  
of Raw-Material) do hereby appoint  
M/s.....

..... (Name and address  
of the local agent in Bangladesh) as our authorized representative for submitting  
bid(s) against the above mentioned tender invited by the Bangladesh Cable Shilpa  
Ltd., Khulna, Bangladesh.

We also hereby authorize the said representative to supply our goods, submit all  
documents related to the tender, negotiate and do necessary formalities with your  
authority as and when required and sign the contract for and on our behalf.

Very truly yours,

.....

Signature:

Name:

Designation:

## ABSTRACT OF OFFER

(This has to be filled up by the supplier in duplicate. If any points remains blank and not properly answered and words such as "As per Tender" are written the offer shall be treated as incomplete and may be rejected. Replies must be supported by proper documents from the Principal.)

### **1. Points must be included in offer:**

- i) Name of the Principal/Supplier with complete address :
- ii) Name and address of the manufacturer with the original certificate confirming the supply as :  
per tender document

SI No.	Particulars	Price and related information
1	Name of Raw Material	
2	Quantity Offered	
3	FOB Price	
4	Freight	
5	<b>Discount (if any)</b>	
6	<b>C&amp;F/CFR/CPT Price (3 + 4 -5)</b>	
7	Port of shipment	
8	Port of Destination	
9	Country Of Origin	
10	Offer Validity	
11	Period of shipment	

- iii) Tenderer's original proforma invoice shall be enclosed with offer. Invoice number and date are to be stated. :
- iv) Certificate from the principal authorizing the local agent, if any, to participate in the tender shall be enclosed. Certificate number and date are to be stated. :
- v) Certificate from the Manufacturer authorizing the principal/supplier, if any, to supply the raw materials as per tender specification shall be enclosed. Certificate number and date are to be stated. :
- vi) Whether Material Specification Confirmation Form (MSCF) is filled by Manufacturer (**Annexure-IV**): :

- vii) Whether sample is submitted :
- viii) Tenderer shall have to submit tender security **(Annexure-II)** from any schedule bank of Bangladesh stating tender security No. and date :
- ix) Tenderer shall have to furnish 10% (Ten percent) performance security **(Annexure-III)** within 28(twenty eight) days from the date of receipt of Notification of Award. Confirmation of performance security is to be given :
- x) The tenderer shall state whether it is a Proprietorship/ Partnership firm/Limited company. :
- xi) Any other important points/features of the offer :
- xii) Certify that we have carefully gone through all instructions and terms of the tender document and accepted them in full. We (authorised person) have signed and sealed the necessary papers of the tender document. We enclosed herewith the following documents: :
  - a) Original receipt evidencing purchase of Tender Document :
  - b) Chief Controller of Importer & Exporter (CCI&E) registration as Indentor :
  - c) Registration with Bangladesh Bank as Indentor :
  - d) Membership Certificate from Bangladesh Indenting Agents' Association :
  - e) Trade License & VAT registration certificate :
  - f) TIN No and up to date Income Tax clearance certificate :

Signature and seal of the tenderer with official address  
and telephone No/Fax No/ E-mail.

Date.....

## **INSTRUCTIONS, TERMS & CONDITIONS TO TENDERERS**

1. These instructions are intended to serve as a guideline for preparation of tender/bid.
  - 1.1 **NOTE OF CAUTION:**
    - a) Tender/Bid is being invited hereunder in accordance with international competitive bidding procedure.
    - b) **Tender/Bid containing any deviation from the instructions to tenderers and the stated contractual terms and conditions, specification and any addendum related thereof, may be treated non-responsive.**
2. **CLARIFICATIONS, INSTRUCTIONS AND INFORMATION:**

Any request for clarification of any additional information in connection with this tender or any aspects of the bid-documents must be submitted in writing well ahead of opening of the tender. If any additional information is needed, it will be furnished in writing to all prospective bidders by BCSL.
3. **MODIFICATION OF TENDER DOCUMENT:**

Any modification, correction or clarification of tender document or extension of time for tender closing will be issued in the form of any addendum which will become a part of the tender and shall be signed by the tenderer and enclosed with the tender. Failure to do so may disqualify the offer.
4. **BIDDING INSTRUCTION:**
  - 4.1 **Open Tender Method with International Competition** will be strictly followed on invited tender.
  - 4.2 Bidder shall be submitted tenders in triplicate (**one original + two duplicate copies**) in triple envelopes wherein the Original in one envelop and others two copies in another envelop, duly marking the envelopes as "ORIGINAL" and "COPY". These sealed envelopes will then be enclosed and sealed in one (1) single outer envelope.
  - 4.3 The outer envelope shall be addressed to **the Managing Director, Bangladesh Cable Shilpa Ltd., BCS-City Office (Dhaka), Nilkhet Telephone Exchange Building (1<sup>st</sup> floor), Nilkhet, Dhaka, Bangladesh** and shall bear the tender enquiry number and the date and time of tender opening while the inner envelope shall indicate the name and full mailing address of the tenderer so as to enable the buyer to return the Late/delayed tender unopened.
  - 4.4 If the outer envelope is not properly sealed and inscribed as instruction above the buyer shall assume no responsibility for misplacement or premature opening of the tender.
5. **AMENDMENT TO TENDER DOCUMENTS:**
  - 5.1 At any time prior to deadline for submission of bids, the purchasers may for any reason, whether of its own initiative or in response to a clarification requested by prospective bidders, modify the tender document by the amendment (S).
  - 5.2 The amendments will be notified in writing or by e-mail or by cable to all prospective bidders who have purchased tender documents and the same will be binding on them.



5.3 In order to allow the prospective bidders reasonable time to take the amendment into account in preparing their bids, the purchaser may at its sole discretion extend the deadline for submission of bids.

6. **PREPARATION AND SUBMISSION OF TENDER/BID :**

6.1 Tender/bid and all supporting documents should be written in **English** and be submitted in triplicate (one original and two copies) in a sealed envelope to the following address :-

**Managing Director,  
Bangladesh Cable Shilpa Limited,  
BCS City Office,  
Nilkhet Telephone Exchange Building (1<sup>st</sup> Floor),  
Dhaka-1205, Bangladesh.**

Tender number and opening date should be written on the envelope.

6.2 Tender/bid may be sent by post/courier service but care must be taken to ensure that it reaches buyer's office at stipulated date and time. Late submitted tender would be returned unopened.

6.3 Suppliers may also send the tenders to the concerned Head of Purchase & Marketing Department by mail so as to reach him on the date and time. The buyer for late receipt will accept no responsibility.

6.3 The suppliers/tenderers may quote in their own letter head but it is essential that the **'Abstract of Offer'** is also completed and returned to the buyer. If the same is not accordingly returned, **the tender/bid may not be considered.**

6.4 Tender/Bid should be based on C&F/CFR price; but FOB price and freight should be shown separately. Any increase in freight before shipment will be on the seller's account. The buyer has the option to place order either on FOB or on C&F basis. Buyer shall not pay any commission to seller's local agent.

6.5 The name of the manufacturer, principal, supplier and country/countries of origin with port of shipment proposed should invariably be mentioned in the offer. In case of multiple origins, at seller's option, the country of origin and port of shipment may be confirmed prior to issuing Notification of Award (NOA) or at the time of signing contract.

6.6 Tenderer must submit the original and signed proforma invoice of their Principal with the tender/bid. Fax offers may be considered provided signed copy of proforma invoice is received by the tender floating authority within **24(twenty four) hours** of opening of the tender.

6.7 If the bid is made by a firm or a corporation, it shall be signed by a person authorised to make the commitment on behalf of the firm or corporation. Bid signed by an agent is to be accompanied by an evidence of its authority to bid on behalf of its Principal.

6.8 Tenderer should submit a certificate with the offer to the effect that they have gone through the instructions and the conditions as enumerated in the tender document and have agreed with them in full. As a token of such acceptance each page of the tender document must be signed by the supplier with seal and returned accordingly. In case of disagreement on any point the same must be stated clearly in a separate sheet. Tenderer must give full and detailed specification of the item(s) they like to offer. **Expression like 'as per your specification' should be avoided.**

6.9 Foreign bidders must submit their bids through the local agent. The buyer will pay no commission to the local agent. Hence, the commission for local agent, if any mentioned in the offer, will not be taken into consideration for evaluation.

6.10 In case of foreign supplier submitting quotation directly, the supplier must submit proforma invoice along **with the confirmation in writing that they do not have any agent in Bangladesh** and that the price quoted in the invoice does not include any commission for anybody. However, price / trade discount if given will be considered for evaluation.

6.11 Quotation of material must be submitted on **KM or the net weight (weight of the material only)** but not on **the gross weight**.

## **7. DOCUMENTS REQUIRED TO BE SUBMITTED ALONG WITH OFFER:**

**7.1 The tenderer/supplier/principal will have to submit the following documents:**

- a. Abstract Form
- b. Proforma Invoice in the **original letterhead pad** duly signed and sealed by concerned person of the tenderer /supplier/principal.
- c. Experience certificate of the tenderer/principal and Manufacturer.
- d. Supply records of raw materials.
- e. Material Specification Confirmation Form (MSCF) filled by Manufacturer
- f. Certificate of valid ISO 9001: 2008, ISO 14001: 2004 and Occupational Health & Safety Management certification of Manufacturer.
- g. Quality certificate as per clause no. 25
- h. Guarantee and Warrantee as per clause no. 36.
- i. Catalogues/leaflets/brochures /illustrative literatures.
- j. Power of Attorney of the tenderer/principal on behalf of Local Agent.
- k. Power of Attorney of the Manufacturer on behalf of supplier/principal
- l. Form of Acknowledgement.

**7.2 The local agent will have to submit the following documents:**

- i. Original money receipt evidencing purchase of tender document.
- ii. Valid indenting registration certificate from Chief Controller of Import & Export (CCI&E),
- iii. Valid Trade Licence,
- iv. VAT registration certificate,
- v. Membership Certificate from Bangladesh Indenting Agents' Association,
- vi. Tax payer's Identification number (TIN)
- vii. Update Income Tax Payment Certificate.

**7.3 If any bidder fails to supply above documents, its offer may be rejected.**

## **8. EVALUATION OF THE BIDS:**

8.1 After opening of the tender, every offer will be sent to Technical Sub-Committee (TSC) for technical evaluation. The following factors shall be considered and check during technical evaluation of the offer:

- i. The tenderer whether the sample is submitted as per tender terms and condition.
- ii. The tenderer whether experience certificate of the tenderer/principal and Manufacturer are submitted.
- iii. The tenderer whether Material Specification Confirmation Form (MSCF) filled by Manufacturer is submitted.
- iv. Whether the Laboratory test of submitted sample is found OK or not.
- v. Whether satisfactory result have been found using the sample in our machine (where applicable).

- vi. The tenderer whether the certificate of valid ISO 9001: 2008, ISO 14001: 2004 and Occupational Health & Safety Management certification of manufacturer are submitted.
  - vii. The tenderer whether Quality certificate is submitted as per clause no. 25
  - viii. The tenderer whether Guarantee and Warrantee is submitted as per clause no. 36.
  - ix. The tenderer whether Catalogues/leaflets/brochures /illustrative literatures is submitted.
  - x. The tenderer whether supply records of raw materials are submitted.
- 8.2 After receiving the technical evaluation report from TSC, then only the technically responsive offer will be evaluated by Tender Evaluation Committee (TEC). Technically non-responsive offers will not be evaluated.
- 8.3 Technically responsive offers will be evaluated by Tender Evaluation Committee (TEC). The following factors shall be considered and checked during evaluation of the offer by Tender Evaluation Committee (TEC):
- i. The tenderer whether Abstract of Offer is submitted.
  - ii. The tenderer whether Tender Security is submitted as per tender terms and condition.
  - iii. The tenderer whether Power of Attorney of the tenderer/principal on behalf of Local Agent is submitted.
  - iv. The tenderer whether Power of Attorney of the Manufacturer on behalf of supplier/principal is submitted.
  - v. The tenderer whether Original money receipt evidencing purchase of tender document is submitted.
  - vi. The tenderer whether Form of Acknowledgement is submitted
  - vii. The local agent whether attested copies of their **valid indenting registration certificate from Chief Controller of Import & Export (CCI&E), Valid Trade Licence, VAT registration certificate from Customs Authority, Membership Certificate from Bangladesh Indenting Agents' Association, Tax payer's identification number (TIN) and up-to-dated income tax payment certificate** are submitted.
  - ix. Lowest Bid price.
- 8.4 For Assessment of the tenders, the quoted currencies will be converted into Bangladesh Taka **at the exchange rate prevailing on the date of the opening of the tender.**
- 8.5 Arithmetic error of the tender will be rectified on the following basis:
- If there is any discrepancy between the unit price and total price obtained by multiplication of the unit price and the quantity, the unit price shall prevail and the total price shall be corrected. If the tenderer does not accept the correction of the errors, **its tender will be rejected and tender security will be forfeited.** If there is a discrepancy in between words and figures, the amounts in words will prevail.
- 8.6 If there is a **tie for the lowest price**, the tenderer with the superior past performance with the BCSL shall be selected. If there is a tie for the lowest price and none of the tenderers has past performance with the BCSL, then the tenderer who has demonstrated in the documentation provided, a superior past performance with other procuring entities shall be selected.

## **9. BID LANGUAGE:**

The bids, all correspondences and documents shall be written in **English Language.**

10. **BID CURRENCIES:**

Quotation in US Dollar/Pound Sterling/EURO will be preferred. Offer received in currencies other than US Dollar shall be converted in US Dollar at the exchange rate prevailing on the date of the opening of the tender for tender evaluation.

11. **PRICE:**

11.1(a) **Pricing formula for copper wire (dia. 8 mm) /Aluminium Wire (dia. 9.5 mm) on C&F/CFR Mongla Sea port, Bangladesh basis as under:**

(i) **LME Price: price of copper wire/Aluminium Wire per M. Ton shall be based on the monthly average of LME Copper/Aluminium grade-A settlement price for the month prior to the month of shipment +**

(ii) **Premium: (Process cost + freight cost + other costs, if any) per M. Ton.**

**The bidder is at liberty to quote a single value for the premium without showing the values of process cost, freight cost and any other cost separately or quote the summed up value for the Premium showing the values of process cost, freight cost and any other cost separately.**

**(b) BCSL requires the purity of Copper at 99.90% (Minimum). So, after arrival of the consignment at BCSL's premises, to ensure the purity of supplied Copper in compliance with tendered specification, BCSL will take initiative to test the purity of the Copper locally, if possible, in presence of BCSL and supplier's representatives. If not possible locally, it shall be tested in supplier's country. All costs in this respect shall be borne by the supplier / supplier's local agent.**

11.2 The tenderer shall quote their price on C&F/CFR Mongla Sea-port/Chittagong Sea Port/Benapole Land Port, Bangladesh basis showing break-up of FOB & Freight separately. Freight shall be paid at actual against freight memo but not exceeding the amount shown in the bid. The purchaser shall have the right to accept or reject any offer not furnishing such break-up.

11.3 But **Quotation price in Mongla Sea Port, Bangladesh basis will be preferred.**

11.4 **The tenderer must quote their price for Copper Wire/ Aluminium Wire on Mongla Sea Port, Bangladesh basis only.**

11.5 **The tenderer must quote their price for Coloured Optic Fiber basis on Hazrat Shajalal International Airport, Dhaka, Bangladesh basis only.**

11.6 The FOB price shall include the cost of seaworthy packing of international standard and shall be deemed to have included duties, taxes and levies imposed by the Government or its agencies of the exporting country.

11.7 No alternation of the unit price whatsoever shall be entertained during the validity or the period of enforceability of the order/contract.

11.8 If any bidder wants to give discount, then his discount must be included in Proforma Invoice.

12. **TENDER/ BID SECURITY:**

12.1 Tenderer shall submit fixed amount of tender security money in favour of the Bangladesh Cable Shilpa Ltd., Khulna along with the tender in the form of **Pay Order/ Bank Draft or unconditional Bank Guarantee** on non-judicial Stamp from any schedule Bank in Bangladesh valid for **90 (ninety) days from the date of the opening** of the tender. The fixed amount of the tender security money to be submitted for various Raw-Materials shall be as follows:

SI No.	Name of Raw-materials	Quantity	Fixed Tender Security.
<b>Raw Materials for Optical Fiber Cable:</b>			
1	Coloured Optical Fiber (Single Mode G652D), Different Colours	25000 KM	USD 4,000.00
<b>Raw Materials for Electric Overhead Conductors:</b>			
2	Aluminium Rod (Dia. 9.5 mm)	175 M. Ton	USD 8,000.00
3	Galvanized Steel Core Wire (Dia. 3.35 mm)	5.920 M. Ton	55 M. Ton USD 1,450.00
	Galvanized Steel Core Wire (Dia. 1.57 mm)	5.40 M. Ton	
	Galvanized Steel Core Wire (Dia. 3.4722 mm)	3.20 M. Ton	
	Galvanized Steel Core Wire (Dia. 3.09 mm)	8.84 M. Ton	
	Galvanized Steel Core Wire (Dia. 2.379 mm)	7.80 M. Ton	
	Galvanized Steel Core Wire (Dia. 3.37 mm)	5.25 M. Ton	
	Galvanized Steel Core Wire (Dia. 4.77 mm)	9.38 M. Ton	
	Galvanized Steel Core Wire (Dia. 2.674 mm)	6.64 M. Ton	
4	PVC Compound	20 M. Ton	USD 400.00
5	Cross Linkable Polyethylene (XLPE) Compound	10 M. Ton	USD 350.00
<b>Raw Materials for HDPE Duct Pipes:</b>			
6	HDPE-RT, Natural Colour (Pipe Grade)	100 M. Ton	USD 2,500.00
<b>Raw Materials for Copper Cables:</b>			
7	Copper Rod (Dia. 8.0 mm)	100 M. Ton	USD 12,000.00

- 12.2 If any tenderer wants to submit tender security in the form of Bank Guarantee, the tenderer shall follow the **specimen** of the Bank Guarantee enclosed herewith this tender document in **Annexure-II. If the validity of Bank Guarantee is less than the asking time, the offer shall not be considered.**
- 12.3 The tender security so deposited will be liable to forfeiture if the tenderer fails to accept any order within the validity period of the offer. The tender security of the successful tenderer will be returned after the submission of the performance guarantee by the tenderer.
- 12.4 **Tender securities of the non-responsive Tenders shall be returned after the Evaluation Report has been approved by the Purchaser.**
- 12.5 **Tender securities of the responsive Tenderers shall be returned only after submission of the performance security and signing the contract agreement by the lowest responsive tenderer.**
- 12.6 If the tenderer submits a main offer and an alternative offer, the tender security submitted with the main offer would be considered as tender security of the alternative offer also.
- 12.7 **If any tenderer deviates from the above mentioned condition, its offer will be rejected.**
13. **VALIDITY OF THE OFFER:**  
Price offer shall remain valid, firm and irrevocable for a minimum period of **60 (sixty days)** calendar days from the date of opening of the tender which may be extended for a further period if it is desired by the buyer.

14. **SPECIFICATION & SAMPLE:**

- 14.1 The tenderer shall quote the raw-material strictly complying with the technical specification specified in **Annexure-I** of this tender document. Any deviation from the tendered specification is to be mentioned in the offer with clarification.
- 14.2 Sample of the raw-material along with manufacturer's quality certificate and specification shall be reached to the **Managing Director, Bangladesh Cable Shilpa Ltd., Shiromoni Industrial Area, Khulna-9206 before/on opening of the tender** and the tenderer must confirm in their offer as to whether sample is sent to BCSL's desired address as mentioned. Tenderer's authorised representative or tenderer's local agent shall release sample from the air port / land port and send it to the BCSL factory at their own cost.
- 14.3 **After opening date of tender, no sample will be accepted at any circumstances.**
- 14.4 In case of previous supply of same raw-material with satisfaction within last 5 (five) years, the tenderer / supplier does not require to submit sample but should indicate the reference of their previous supply or supplies in the offer. In case of supply of new grade material, submission of sample with technical specification is mandatory.
- 14.5 The tenderer whose supplied sample was found satisfactory but they have not supplied the raw material within last 02(two) years, that tenderer / supplier have to submit new fresh sample of raw material for participation in the tender. **Otherwise, their offer will be rejected.**
- 14.6 **If any bidder fails to supply sample as per above terms, its offer will be rejected.**

15. **TERMS & CONDITIONS FOR THE MATERIALS**

- 15.1 The offered Coloured Optical Fiber must comply with the ITU-T G.652.D recommendation and meet all the requirements mentioned in the specifications.
- 15.2 Tenderer / Supplier shall have **minimum 5 years supply experience** in Telecommunication Cable/Duct/Electric Overhead Conductors Manufacturing Factories and in the relevant fields around the world. Similarly, the manufacturer must have **minimum 5 (five) years of experience in manufacturing** of materials mentioned in the tender document.
- 15.3 The manufacturer of Coloured Optical Fiber and other materials must **have valid ISO 9001: 2008, ISO 14001: 2004 and Occupational Health & Safety Management certification**. Copy of certificates must be included in the offer.
- 15.4 The manufacturer must have in-house test facility for all types of test as required in the specification. The bidder must give details of the test facility of the manufacturing factory.
- 15.5 The bidder must mention the production capacity of materials-manufacturer in their offer.
- 15.6 The offered raw materials except coloured optical fiber must be used by cable manufacturing plant or fiber optic cable users in **minimum 5 (five) reputed cable manufacturers of which minimum 2(two)** should be outside their own countries. Bidder must include certificate of satisfactory performance of the material in the offer from **minimum 5 such users of which 2(two) must be from outside from the country of origin.**

- 15.7 **The manufacturer of coloured optical fiber must have supply record for more than 300,000 Km/year of optical fiber to different foreign and domestic cable manufacturer within last 5 years. Bidder must include the supply records which have been issued from minimum 3(three) cable manufacturers that are located outside of the country of that fiber manufacturer.**
- 15.8 **Manufacturer from all countries of the world except Israel is acceptable for lot no. 2 to lot no. 7. Manufacturer from Japan, USA, UK, France, Australia, Switzerland, Italy and Germany or equivalent are acceptable only for lot no. 1.**
- 15.9 Size and quantities (where necessary) will be fixed at the time of placing purchase order.
16. **TENDER EXPENSES:**  
All expenses incurred in connection with preparation, submission and delivery will be at tenderer's accounts. No claim will be entertained for refund or reimbursement of such expenses.
17. **REVISION OF OFFERS:**  
After opening of the tender, no change of unit price in the bid shall be entertained. Besides, if any bidder makes any complaint in writing stating that there is deviation in others bids and if such complaint is proved to be unfounded and false, the tender evaluation committee may recommend forfeiture of tender/bid security of the complainant and may also recommend black listing of the complainant firm in case their tender/ bid security has already been returned.
18. **CAUSES OF NON-RESPONSIVENESS OF BID(S):**  
The bid(s) will be treated as **non-responsive** at the discretion of the buyer for the following reasons / lapses:
- 18.1 If the schedule of price and specifications are not enclosed with the bid duly filled in, signed and sealed.
- 18.2. If the original **proforma invoice in original letter head pad of Supplier/Principal** is not submitted with the bid.
- 18.3 If tender/ bid security in proper form and in requisite amount is not submitted with the tender/bid.
- 18.4 If the amount and validity of tender/ bid security do not conform to the requirement of the tender inquiry.
- 18.5 If the original official money receipt evidencing purchase of tender documents is not furnished with the tender / bid.
- 18.6 If the tenderer / bidder makes any addition or alteration to his price, specification or any other terms and conditions of his tender / bid after opening of tender.
- 18.7 If each and every page of the tender document is not signed and sealed by the tenderer / bidder as a confirmation of their acceptance of the tender terms.
- 18.8 If the tender / bid is made on behalf of a firm of such a country with whom Bangladesh does not have any diplomatic relation.
- 18.9 If the sample of raw material as per mentioned in Annexure-I is not submitted before or on opening of the tender.
- 18.10 **If the tenderer/principal has supplied inferior quality of raw materials at earlier.**

19. **SPECIAL CONDITIONS:**

- 19.1 No conditional tender / bid shall be accepted, unless relevant to the nature of the item or its trade conventions and practices.
- 19.2 Third party documents including bill of lading are not acceptable.
- 19.3 Tender /bid shall be signed by a person who has authority to enter into contract with the purchaser. If it is detected afterwards that the person signing the bid or documents forming part of the contract had no authority to do so; the purchaser may, without prejudice and other civil and criminal remedies, cancel the contract, forfeit the tender/ bid security /performance security and hold the signatory liable for all costs and damages.
- 19.4 In case the supplier/contractor is from a third country i.e, other than-country of origin where from shipment will be made a certificate from the manufacturer will have to be submitted with the proforma invoice stating that the supplier/contractor secures order/contract against the tender enquiry under reference, they will manufacture the goods and execute the order contract on behalf of the supplier/contractor. In all other cases also, manufacturer's certificate as aforesaid shall be submitted together with the proforma invoice.
- 19.5 Local agent who desires to participate in the tender shall mention his **indenting registration number and Bangladesh Bank permission number supported with photocopies of documentary evidence issued by Chief Controller of Import and Export, Government of the People's Republic of Bangladesh and the Bangladesh Bank respectively. Bangladesh Bank permission would certify the eligibility of the agent to represent a particular Principal. Tenderer shall have to produce the originals if required by the buyer.**
- 19.6 Schedule of price and specifications duly completed, signed and sealed shall form an integral part of the bid.
- 19.7 The Purchaser reserves the right to accept any item or group of items against this tender.
- 19.8 The tenderer/bidder must enclose with his bid the original money receipt evidencing purchase of tender document.

20. **TENDER COMPARISON:**

For comparison of tender the currency quoted by the tenderer / bidder shall be converted into Bangladesh Taka at the rate (official selling) prevails on the date of opening the tender in Bangladesh Bank or rate of any scheduled Bank as advised by Bangladesh Bank.

21. **NOTIFICATION OF AWARD (NOA):**

Immediately after receiving necessary approval from the appropriate authority, the purchaser shall award the contract to the successful bidder and issue a **Notification of Award (NOA)**. The notification of award shall be accepted in writing by the successful tenderer. Through the notification of award the successful bidder will be asked to submit their performance security/guarantee within the period stated in the bidding document and execute the contract immediately thereafter.



## **22. PERFORMANCE SECURITY:**

- 22.1 The successful tenderer shall have to sign a bilateral contract with the BCSL for the goods to be supplied by them and submit an unconditional **Performance Guarantee (P.G)** on non-judicial Stamp at the rate of **10% (ten percent)** of the quoted C&F/CFR price in foreign currency or equivalent Bangladesh Taka as security money for satisfactory performance of supply of goods immediately **within 15 (fifteen) days from the date of receiving of the Notification of Award (NOA)** which should remain **valid for 8(eight) months from the issuing date** and extendable if so required . The successful tenderer shall submit the performance guarantee / security in accordance with the specimen enclosed herewith in **annexure-III**.
- 22.2 In the event of failure to supply the contracted/ordered material within the stipulated time or supply of defective material or unsatisfactory performance of material or shortage of supplied material, performance security shall be en-cashed and forfeited by the importer. If the claimed amount does not cover by the performance guarantee, the supplier must return the balance of the claimed amount within 1(one) month time.
- 22.3 If the supplier fails to sign the contract and submit the performance security **within maximum 28 (twenty eight) days from the date of receiving of the Notification of Award (NOA)**, the tender security money submitted earlier with the tender documents shall be en-cashed and be forfeited by the purchaser/Importer.
- 22.4 On receipt of 10% (ten percent) P.S. and after signing bilateral agreement, an irrevocable L/C will be opened.

## **23. CONTRACT:**

The terms & conditions of the tender document shall form an integral PART OF THE CONTRACT/Purchase order document. The tenderer is requested to check this tender document in order to ensure proper compliance and the 'Form of Acknowledgement' along with the abstract of offer shall duly be filled in by the tenderer and shall be returned to the purchaser.

## **24. INCREASE OR DECREASE IN QUANTITY OF CONTRACT:**

- 24.1 The buyer's reserves the right to increase or decrease the tendered quantity upto **20%** at the time of giving award of contract at the quoted unit price. The buyer also reserves the right to accept or reject any or all the tenders or to waive any informality, minor deviation or omission.
- 24.2 Award would be made to the bidder whose responsive bid determined to be the lowest evaluated bid and who meets the specification and other terms and conditions of the tender document.

## **25. QUALITY CERTIFICATE:**

Tenderer shall furnish **guarantee from the Original Manufacturers** to the effect that the goods are of first party origin, first class workmanship and will be of exact specifications as laid down in the tender document (**Annexure-I**) and in the event of placing order to the tenderer, the manufacturer will supply raw materials to the tenderer against the tender. Tenderer, for all purpose, shall be responsible for the act of omission and commission of Principal. The tenderer / bidder shall also guarantee the quality of raw material.

26. **PACKING AND MARKING:**

- 26.1 The tenderer shall ensure proper packing of the material for transportation by sea, road, etc. so as to prevent any loss or damage on arrival at its destination. **If the packing is found defective and causes damage of the materials, the proportionate cost for damaged materials would be realized from the supplier/Local Agent.** Packing instructions in detail has been incorporated in the specification sheet in **annexure-1**.
- 26.2 Each case/package must have the detailed packing list inside & the following information printed in BOLD LETTERS on the outside:
- i) Name of the consignee and destination.
  - ii) Letter of Credit number.
  - iii) Gross and net weight.
  - iv) Brief Description of the machineries & equipment
  - v) Serial number of package and
  - vi) Name and address of the supplier.

27. **INSURANCE:**

Insurance will be arranged by the buyer against their marine policy with M/s. Sadharan Bima Corporation, Bangladesh. The supplier will send the clearing particulars of the consignment, the name of the carrying vessel its' sailing date, port of shipment, number of bill of lading and quantity and value of raw materials to the buyer as well as to the Sadharan Bima Corporation by Fax/E-mail advice. All documents related to insurance shall be sent by international courier service.

28. **TAXES AND OTHER CHARGES:**

All duties, taxes and other charges levied on raw materials by authorities in buyer's country shall be borne by the buyer and shall not be included in the bid price. Charges of such nature in seller's country or in any country other than the buyer's country shall be borne by the supplier.

29. **TERMS OF PAYMENT:**

- 29.1 Generally an irrevocable Letter of Credit (L/C) shall be Opened/Established by the importer in favour of the supplier for payment. 100% payment at sight will be made on presentation of the clean set of original shipping documents strictly complying with L/C terms to the negotiating bank within 21 days from date of shipment i.e. from B/L date/Consignment Note date (15 days from the date of AWB) provided no discrepancy shall exist in the shipping document.
- 29.2 If it is necessary to the purchaser that the raw material needs to procure within shortest possible time, then the importer/purchaser may open a conditional L/C wherein the condition **"Payment will be effective subject to submission of Performance Guarantee(PG) to the applicant (the importer)"** will be mentioned. After submission of PG, the importer will sent a letter to withdraw the condition and 100% payment at sight will be made on presentation of the clean set of original shipping documents.
- 29.3 Expenses, if any required in connection with amendment of L/C for adding further confirmation, or for extension of shipment validity or for allowing partial shipment on supplier's request, shall be borne by the supplier / supplier's local agent.

- 29.4 In case, extension of shipment validity in L/C is required to be made at the request of supplier / local agent, the validity of performance security should also be extended by the supplier **to cover 6 (six) months time from the extended date of shipment validity and the costs thereof for such amendment in L/C will be borne by the supplier/ local agent.**
- 29.5 As soon as shipment is made, the supplier shall send the following shipping documents to BCSL so as to reach BCSL well ahead of time of the consignment reaches destination.
- i) 5(five) copies of Invoice including original.
  - ii) 3(three) copies of Bill of lading including original.
  - iii) 4(four) copies of Quality Certificate of material.
  - iv) 4(four) copies of Certificate of Origin from the chamber of commerce/competent authority.
  - v) 5(five) copies of Packing list showing net weight and gross weight of each package.
  - vi) 1(one) copy of Bill of Exchange.
  - vii) 2(two) copies of insurance advice to the insurer.
  - viii) 2(two) copies of shipping notice to the Importer.
- 29.6 Bank charges in the event of withdrawal of letter of credit established by the buyer shall be borne by the beneficiary.

30. **PARTIAL SHIPMENT:**

- 30.1 Generally partial shipment will not be allowed.
- 30.2 **In case of necessity of purchaser, new supplier of raw material in BCSL, new grade of raw material etc., the purchaser may issue a letter to get confirmation to deliver the raw materials in partially as per requirement of purchaser. In that case, the supplier/principal must be agreed to deliver the raw materials in partially for the interest of BCSL. Otherwise, the submitted tender security will be forfeited.**

31. **DELIVERY PERIOD:**

Raw materials have to be shipped as per prevailing rules of Bangladesh. All the tendered raw-materials need to be shipped within **45 (Forty five) days from the date of purchase order.** Early shipment will be appreciated.

32. **SHIPPING DOCUMENTS :**

- 32.1 Notice of shipment shall be made by fax/ e-mail to:
- a) Managing Director,  
Bangladesh Cable Shilpa Limited,  
Shiromoni Industrial Area,  
P.O. Sonali Jute Mills Ltd.,  
Khulna-9206, Bangladesh.  
Fax No-.0088-041-785375  
E-mail: mdbcs@btcl.net.bd /  
[dmpurbcs1702@gmail.com](mailto:dmpurbcs1702@gmail.com)
  - b) M/s. Sadharan Bima Corporation,  
23/24, K.D.A. Commercial Area,  
Khulna-9100, Bangladesh.
- 32.2 Notice of shipment shall contain the following:-
- a) Contract Number.

- b) Description of item(s).
  - c) Total quantity of Item(s) shipped and value thereof.
  - d) Name of vessel.
  - e) Bill of Lading number and date.
  - f) Port of loading.
  - g) Date of shipment.
  - h) Estimated time of arrival of ship.
  - i) Whether it is part shipment.
- 32.3 Upon shipment, the seller shall supply the following advance copies of the documents directly by international courier service/E-mail: dmpurbcs1702@gmail.com to the buyer with a copy to the insurance company
- i. 6 (six) copies of Invoice.
  - ii. 6(six) copies Bill of lading.
  - iii. 2(two) copies of Quality Certificate of material.
  - iv. 2(two) copies of Certificate of Origin from chamber of commerce/competent authority.
  - v. 6(six) copies of Packing list.
33. **TERMS OF DELIVERY:**
- 33.1 The raw materials shall be shipped on C&F/CFR/CPT basis. Lighterage, if any, will be on seller's account and liability.
- 33.2 For transportation of raw materials preference must be given for shipment by Bangladesh Flag Vessel.
- 33.3 **The Free Detention period of shipping company at Destination Port must be at least 14(fourteen) days.**
34. **SURVEY AND INSPECTION:**
- 34.1 Pre-shipment inspection may be carried out by the BCSL or by the BCSL's authorised "Inspection Agency" at purchaser's cost. But the seller shall provide all sorts of facilities for conducting the inspection work at its factory premises and cost in this regard shall be borne by the bidder / seller.
- 34.2 The survey and inspection works at BCSL factory premises shall be jointly carried out by the importer/ importer's C&F agent, supplier's representative (if available) and importer's appointed surveyor to verify and ensure the extent of short supply or damage etc. of the material and if short/defective/damaged delivery is found, the same shall be replaced by the supplier at its own cost or the cost of such goods will be deducted from the performance Guarantee/security deposited by the supplier / supplier's local agent. If the claimed amount does not cover by the performance guarantee, the supplier must return the balance of the claimed amount within 1(one) month time.
35. **BREACH OF CONTRACT:**
- On any breach of contract by the supplier, the buyer shall have the right to recover the actual loss suffered and the amount may be realised by encashing the performance security. When performance security (PS) will not cover the loss, the balance amount will be claimed upon the seller for payment.

36. **GUARANTEE & WARRANTY:**

- 36.1 The supplier warrants that the goods to be supplied under this contract shall comply with the BCSL tender-specification. The supplier further warrants that all goods to be supplied under this contract shall have no defect arising from materials or from any act of omission of the supplier, that may develop on the supplied goods under normal use in the conditions prevailing in the country of final destination.
- 36.2 This warranty shall remain valid for 12 (twelve) months after the goods are delivered to and accepted at the final destination.
- 36.3 In case, the materials supplied under this contract, does not comply with the BCSL tender-specification or is found unsatisfactory in performance, the supplier must replace the full quantity of goods within 3(three) months or return the full payment within 1(one) month.

37. **LIQUIDATED DAMAGE:**

- 37.1 Liquidated damage equivalent to half percent per week or part thereof on the value of the undelivered goods may be realised from the supplier/contractor.
- 37.2 In specific cases where delay in delivery is likely to cause dislocation of work and financial loss, a higher rate of liquidated damage not over 1 %(one percent) up to 3(three) months delay and 1/2% (half percent) for the period beyond 3(three) months of delay per week or part thereof on the value of the goods may be charged.
- 37.3 In case of delay in delivery beyond one hundred calendar days for importable item(s), purchase order/contract may be cancelled in which case the performance security shall be en-cashed and forfeited.
- 37.4 On genuine reasons/grounds beyond the control of the suppliers/ contractor, extension of delivery period may, however, be granted without realization of any liquidated damage provided validity of their performance security covers such extension.

38. **GENUINENESS OF THE PRINCIPAL SUPPLIER:**

The principal supplier shall have to submit a certificate from the supplier's Bankers regarding its standing the bonafide and standing of the suppliers.

AND / OR

Certificate from the chamber of commerce and Industry from the supplier's country regarding its standing as an exporter/manufacturer alongwith the proforma invoice.

39. **DEMURRAGE:**

If the consignment arrives at Benapole land port/Mongla Sea port / Chittagong Sea port before reaching the connected original shipping documents, demurrage from the arrival date of consignment at the port warehouse for non receipt of shipping documents will be borne by the supplier/local agent.

40. **FORCE MAJEURE:**

Should the supply of the stores be delayed for causes such as labour strike, factory closure, fire, dock strike etc. beyond the reasonable control of the supplier 'to be termed as "FORCE MAJEURE". This should be supported by documentary evidence from appropriate authorities. If a Force Majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof.

41. **ARBITRATION AND SETTLEMENT OF DISPUTES:**

In the event of any dispute arising out of the terms of this contract the parties undertake to make every effort to reach at an amicable settlement.

41.1 Except as otherwise provided in this contract, if any difference, dispute or question arising out of or with reference to this contract which cannot be settled amicably shall within 60(sixty) days from the date that either party informs them in writing that such difference, dispute or question exists be referred to arbitration of 03 (three) arbitrators.

41.2 Within 60(sixty) days of the said notice, one arbitrator shall be nominated in writing by BCSL and one arbitrator shall be nominated in writing by the tenderer / supplier. The third arbitrator who shall preferably be a retired Judge of one of the High Courts or the Supreme Court of Bangladesh shall be nominated by the two arbitrators before entering upon the reference within one month from the latest date of their respective appointments. The arbitration tribunal shall have its seat in Bangladesh.

41.3 The arbitration shall be conducted in accordance with the rules and procedures set forth in the Bangladesh Arbitration Act 1940 as subsequently amended. The award of the majority of the arbitrators shall be final and binding on both parties.

41.4 Each party shall bear the cost of its own arbitrator and the cost of the third arbitrator shall be borne equally by both parties.

41.5 In the event of an arbitrator resigning or becoming incapable or unable to act, the party nominating such arbitrator shall be entitled to appoint another in the place of the outgoing arbitrator, proceedings shall continue without recommencing as if such arbitrator had been originally nominated.

41.6 The court may on an application made to it, nominate an arbitrator for a party' who fails to do so.

41.7 If the two arbitrators cannot reach an agreement on the nomination of the third arbitrator, then the third arbitrator will be nominated by the, President of the International Chamber of Commerce.

42. **BANGLADESH CABLE SHILPA LIMITED IS NOT BOUND TO ACCEPT THE LOWEST TENDER / BID AND RESERVES THE RIGHT TO REJECT ANY OR ALL TENDERS WITHOUT ASSIGNING ANY REASON WHATSOEVER.**

**(Md. Alauddin Al Azad)**  
General Manager (Purchase & Marketing)  
Bangladesh Cable Shilpa Ltd., Khulna.

# Technical Specification of Raw Materials

## 1. COLOURED OPTICAL FIBER (Single Mode G652D), Different Colours:

### 1.1 Characteristics:

Operation capacity over the full optical spectrum from 1260-1625nm, more usable wavelengths, increased transmission capacity, support of DWDM and CWDM, compatible with existing 1310nm equipment, good protection and excellent strip force stability, low splicing loss and high splicing efficiency.

Characteristics	Conditions	Specified Value	Units
<b>Optical Characteristics</b>			
Attenuation	1310 nm	≤0.34	[dB/Km]
	1383 nm	≤0.31	[dB/Km]
	1550 nm	≤0.20	[dB/Km]
	1625 nm	≤0.23	[dB/Km]
Attenuation vs. Wavelength Max. ∞ difference	1285-1330 nm	≤0.03	[dB/Km]
	1525-1575 nm	≤0.02	[dB/Km]
Chromatic Dispersion Co-efficient	1285-1340 nm	≥ -3.0 , ≤3.0	[ps/(nm-Km)]
	1550 nm	≤18	[ps/(nm-Km)]
	1625 nm	≤22	[ps/(nm-Km)]
Zero Dispersion wavelength		1312±10	[nm]
Zero dispersion slope		≤0.090	[ps/(nm <sup>2</sup> -km)]
Typical value		0.086	[ps/(nm <sup>2</sup> -km)]
PMD			
Maximum Individual Fibre		≤0.2	[ps/√km]
Link Design Value (M=20.Q=0.01%)		≤0.1	[ps/√km]
Typical value		0.04	[ps/√km]
Cable cutoff wavelength Acc		≤1260	[nm]
Mode field diameter (MFD)	1310 nm	9.2±0.4	[μm]
	1550 nm	10.4±0.5	[μm]
Effective group index of refraction (N <sub>eff</sub> )	1310 nm	1.466	
	1550 nm	1.467	
Point discontinuities	1310 nm	≤0.05	[dB]
	1550 nm	≤0.05	[dB]
<b>Geometrical Characteristics</b>			
Cladding diameter		124.8±0.7	[μm]
Cladding non-circularity		≤0.7	[%]
Coating diameter		245±5	[μm]
Coating-cladding concentricity error		≤12.0	[μm]
Coating non-circularity		≤6.0	[%]
Core-cladding concentricity error		≤0.5	[μm]
Curl (radius)		≥4	[m]
Delivery length		<b>50.40</b>	[km/reel]
<b>Environmental Characteristics (1310 nm, 1550 nm &amp; 1625 nm)</b>			
Temperature dependence Induced attenuation at	- 60°C to +85°C	≤0.05	[dB/km]
Temperature-humidity cycling Induced attenuation at	- 10°C to +85°C, 98% RH	≤0.05	[dB/km]
Watersoak dependence Induced attenuation at	23°C, for 30 days	≤0.05	[dB/km]
Damp heat dependence Induced attenuation at	85°C and 85% RH, for 30 days	≤0.05	[dB/km]
Dry heat aging at	85°C	≤0.05	[dB/km]
<b>Mechanical Specification</b>			
Proof test	off line	≥9.0	[N]
		≥1.0	[%]
		≥100	[kpsi]
Macro-bend induced attenuation 1 turn around a mandrel of 32 mm diameter	1550 nm	≤0.05	[dB]

100 turns around a mandrel of 50 mm diameter	1310 nm & 1550 nm	≤0.05	[dB]
100 turns around a mandrel of 60 mm diameter	1625 nm	≤0.05	[dB]
Coating strip force	typical average force	1.7	[N]
	peak force	≥1.3 ≤8.9	[N]
Dynamic stress corrosion susceptibility parameter n <sub>d</sub>			≥20

- The above fiber should colored with thickness of max-5 μm.
- 12 (twelve) colored optical fibers of above characteristics will be procured.
- Test Report of each spool/reel must be submitted with packing list.

**Country of origin:** Japan, USA, UK, France, Australia, Switzerland, Italy and Germany or equivalent.

**H S Code: 9001.10.10**

**Packing:** Standard Air-worthy packing should be made by supplier containing of **50.40 Km** coloured optic fiber per reel. Name of colour of fiber & fiber length per reel must be mentioned outside on each reel/bobbin.

**Dimension of Plastic Reel/Bobbin:**

- a) Flange diameter : 266.00 mm
- b) Barrel diameter : 170.0 mm
- c) Shaft hole diameter : 25.40 mm
- d) Outside Width : 176.80 mm
- e) Traverse Width : 150.00 mm

**Sample:** At least **10(ten) Kilometres Coloured Optical** fiber of no commercial value with detailed specifications & technical leaflets / brochure having extrusion temperature gradients and quality of the products from the manufacturer should be submitted **on or before the date of tender opening**. Also the tenderers must provide evidence of country of origin of the product.

## 2. ALUMINIUM WIRE:

### 1. Technical Properties:

Continuous Cast Hot Rolled E.C. Grade Aluminium Wire used for Electrical purpose conforming to (ASTM B 233-85).

Diameter	Temper	Tensile Strength	Volume resistivity at 20°C	Conductivity	Purity
9.5 mm (Tolerance ± 0.51 mm)	H-14 & H-24 (ASTM B 233-85)H-9 (BS2627)	103 -138 N/mm <sup>2</sup>	0.028080 Ohm- mm <sup>2</sup> /M	61.4 % of IACS	99.5% Minimum

The Aluminium rod shall be clean, sound, smooth and free of pipes laps, cracks, kinks, twists, seams, damaged ends, excessive oil and other injurious defects within limits of good commercial practice. After drawing the wire shall satisfy the requirement of ASTM B230-85. BS 2627 for production of overhead conductors as per ASTM B232-86 & BS 215 (Part- I & Part-2).

### 2. Packing:

Most secured sea worthy and strong packing durable rough handling on the way. The materials shall be packed in coils of not more than 2 MT in wooden pallets with water proof polythene inside and hard board paper banded with 4 (four) steel strips across the coil and outside wrapping of water repellent jute wrapping, securely tied with 3 (three) nylon strips to ensure safe transit by sea.

### 3. Sample:

A sample of **100 meter length** of no commercial value must be submitted **on or before the date of tender opening** with detailed specifications & technical leaflets / brochure having extrusion temperature gradients and quality of the products from the manufacturer. Also the tenderers must provide evidence of country of origin of the product.



### 3. Galvanized Steel Core Wire for ACSR:

#### 1. Introduction:

The steel core wire will be galvanized, solid steel core, uniform radius, high carbon steel materials, rigid, long lasting for use in overhead conductors & cables.

#### 2. Technical Properties:

Material: High carbon steel, zinc coating- 190 g/m <sup>2</sup> – 300 g/m <sup>2</sup>			
Wire Dia. mm	Normal Strength MPa Min.	High Strength MPa Min.	Extra High Strength MPa Min.
1.24- 2.25	1340	1450	1620
2.25- 2.75	1310	1410	1590
2.75- 3.00	1310	1410	1590
3.00- 3.50	1290	1410	1550
3.50- 4.25	1290	1380	1520
4.25- 4.75	1290	1380	1520
4.75- 5.50	1290	1380	1500
Standard	ASTM standard, BS-498-74 (1979) of class "A" coating and latest revision thereof, IEC 888 Regular, BS 215 Part-II standard		
Packaging	In coil, in spool		
Usage	The stranded steel core wire will be used to manufacture ACSR conductor as per ASTM B 232-86 and latest revision thereof.		
Advantage	Stable quality, uniform strength, durable coating, bright and smooth surface, smooth and uniform wire winding.		

For production of GROSBEAK conductor, the supplier has to supply 7 X 3.09 mm stranded steel wire.

#### 3. Packaging Details:

Most secured sea worthy and strong packing durable rough handling on the way. Packed in coil of 500kg Max. Lined in PVC cloth for inner packing and PVC woven cloth for outer packing.

#### 4. Sample:

A sample of **200 meter length for every item of steel** of no commercial value must be submitted **on or before the date of tender opening** with detailed specifications & technical leaflets / brochure having extrusion temperature gradients and quality of the products from the manufacturer. Also the tenderers must provide evidence of country of origin of the product.

### 4. SPECIFICATION OF PVC COMPOUND (Cable grade):

**1. Introduction:** The polyvinyl chloride (PVC) compound will be virgin, smooth surface, dust free, high temperature durability, perfect compound for making of high quality, efficient & long lasting surface of low voltage overhead conductors & cable. The PVC will be directly used in extruder without mixing any other materials or compound with it. The PVC will be maintained all the properties for cable grade.

#### 2. Technical Properties:

SI No.	Property	Unit	Test	Data
1	Tensile strength	Mpa	GB/T1040.3-2006	≥15
2	Elongation at break	%	GB/T1040.3-2006	≥180
3	Thermal deformation	%	GB/T2951.7-1997	≤50
4	Thermal stable time at 20°C	min	GB/T2951.7-1997	≥50
5	Volume resistivity at 20°C	Ω.m	GB1410-2006	≥1*1012

6	Di-electronic strength	mv/m	GB1408.1-2006	≥18
	Test status		(100±2°C,168H)	
7	Tensile strength after aging	Mpa	GB/T8815-2008	≥15
8	Maximum change rate of Tensile Strength	%	GB/T8815-2008	±20
9	Elongation after aging	%	GB/T8815-2008	≥180
10	Maximum change rate of elongation at break	%	GB/T8815-2008	±20
11	Weight loss after thermal aging	g/cm3	GB/T8815-2008	≤23

**Note:**

Other international acceptable standard properties for above material will be acceptable if it satisfy BCSL technical requirements.

**3. Packing:**

Material to be supplied in 6 (six) ply paper bag with inner lining with polythene containing 25 kg net, standard sea worthy packing strong enough to withstand rough handling during transportation.

**4. Sample:**

A sample of **25 kgs (Intact bag)** of no commercial value must be submitted **on or before the date of tender opening** with detailed specifications & technical leaflets / brochure having extrusion temperature gradients and quality of the products from the manufacturer. Also the tenderers must provide evidence of country of origin of the product.

**5. Specification of Cross Linkable Polyethylene (XLPE) for Low Voltage Insulated Conductors & Cables:**

**1. Description:**

A Low Density Cross Linkable Polyethylene Compound where silane is incorporated to PE through grafting. This product will be suitable for Low Voltage Power Cables (LT applications).

The above product consists of 2 Components i.e. Grafted Polymer & Catalyst Master Batch to be premixed prior to use at a ratio of 95:5. The catalyst master batch or polymer must contain sufficient carbon component for suitable cross-linking over the conductors.

Such system allows the compound to be extruded as a normal thermoplastic in a conventional PE (or even PVC) extrusion line, thus obviating the need of an expensive continuous vulcanizing (CV) extrusion line. The cross-linking step is subsequently carried out by immersion in hot water (Sauna), or exposure to steam. In each case, time of curing is to be optimized as a function of thickness of insulation, concentration of catalyst and temperature.

**2. Specifications:**

The materials will meet the requirements as applicable under following standards, when processed using sound extrusion practice and testing procedure;

IS 10810 / BS 5467, 5468, 6724, 7655 / IEC 60502

**Typical Properties:**

**3. Grafted Polymer:**

Property	Unit	Typical Value	Test Method
Density	3gm / cm <sup>3</sup>	0.923 – 0.925	ASTM-D-792
Melt Flow Index (190°C, 2.16 Kg)	gms / 10 Min	0.6 – 2.0	IS-10810 (Part-23) / ASTM-D-1238
Contamination (Visual)	No./Kg	< 5	KIL

#### 4. Combination of Grafted Polymer & Catalyst Master Batch:

It will be mixed at 130°C at 95:5 ratios for 3 minutes. Compression moulded to a sheet of 1.5 mm thickness. It will be cured by immersion in water at 95°C for 3 hours.

Property	Unit	Typical Value	Test Method
Tensile Strength	MPa	16 - 19	IS-10810 (Part-7) / ASTM-D-638
Elongation at break	%	500 – 600	IS-10810 (Part-7) / ASTM-D-638
Hot set at 200 °C			
a) Hot Elongation after 15 min.	%	60 – 90	IS-10810 Part-30 / IEC 60811-1-2
b) Permanent Set after after 5 min	%	+ 5	-- do --
Oven ageing at 135 °C, 168 hours			
a) Variation in Tensile Strength	%	+ 15	IS-10810 Part-11 / IEC 60811-2-1
b) Variation in Elongation at Break	%	+ 15	IS-10810 Part-11 / IEC 60811-2-1
Volume Resistivity	Ohm-cm	16 1 X 10	IS-1991 / IEC 60093
Dissipation factor @ 250V / 50 Hz, 25°C	-	0.0004	ASTM-D-150
Dielectric Constant @ 250V / 50Hz, 25°C	-	2.1 – 2.4	ASTM-D-150

#### Note:

Other international acceptable standard properties for above material will be acceptable if it satisfy BCSL technical requirements.

#### 5. Process guidelines:

The Catalyst Master batch and colour Master batch (if any) at 60°C will be dried in air oven in 4-6 cm layers for 8-12 hours. The Grafted Polymer should never be pre-heated.

The Grafted Polymer and Catalyst Master batch should be manually mixed at a ratio 95:5 at room temperature without shearing, just before consumption. Mixing in large quantities should be avoided, since such leftover premix cannot be stored.

It is important that extruder should not be kept idle for more that 10 minutes when filled with premix. It should be kept running at a low RPM if it is needed for changeover of size etc.

#### 6. Packing:

Most secured sea worthy and strong packing durable rough handling on the way. The raw materials shall be supplied in **Aluminium Foil Multilayer Bags of 25 kgs**. In case of 20' FCL, it will be taken palletized 11 MT & for 40' FCL, it will be taken 24.75 MT. Each pallet should be covered with PE Liner.

#### 7. Sample:

A sample of **25 kgs (Intact bag)** of no commercial value must be submitted **on or before the date of tender opening** with detailed specifications & technical leaflets / brochure having extrusion temperature gradients and quality of the products from the manufacturer. Also the tenderers must provide evidence of country of origin of the product

#### 6. VIRGIN HDPE-RT, NATURAL COLOUR (PIPE GRADE):

HDPE-RT is a natural, bimodal HDPE for applications at raised temperature, with excellent process ability for high speed extrusion lines with excellent output. It is used for manufacturing of flexible pipes in domestic and industrial application.

#### Product Data Sheet:

Sl. No.	Property	Unit	Value	Test method
1	Density (compound)	g/cm <sup>3</sup>	0.944	ISO 1183-1 Method A

2	Melt flow Index @ 190°C, 5 Kg	g/10 min	0.8	ISO 1133
3	Tensile Modulus (1 mm/min)	Mpa	800	ISO 527-2
4	Tensile Strain at Break (50 mm /min)	%	> 800	ISO 527-2
5	Tensile Stress at Yield (50 mm /min)	Mpa	22	ISO 527-2
6	Tensile Stress at Break (50 mm/min)	Mpa	30	ISO 527-2
7	Oxidation Induction Time (210 °C)	minutes	≥ 20	ISO 11357-6
8	Colour	-	Natural	-
9	Application	-	HDPE Silicon Core Duct	-

**Packing:** Most secured sea worthy and strong packing durable rough handling on the way. The raw materials shall be supplied in "**650 Kgs Jumbo bags (Net Material) on strong wooden pallet and Jumbo bags will be wrapped by strong polyethylene od 3 or 4 layer with wooden pallet**" so that every jumbo bag could be loaded/unloaded by fork lifter and shall be of well exportable packing for safe transportation by ship to its destination. If the packing is found defective and causes for damage of the raw materials, the proportionate cost for damaged materials would be realized from the supplier/local agent.

**Sample:** Sample (**min. 25 Kgs bags**) of no commercial value with detailed specifications with technical leaflets / brochure having extrusion temperature gradients and quality of the products from the manufacturer should be submitted **on or before the date of tender opening**. Also the tenderers must provide evidence of country of origin of the product.

#### **7. COPPER WIRE (8 mm diameter):**

Continuous cast, hot rolled, electrolytic, cleaned oxygen-free pickled and wax-coated Copper Wire, 8 mm diameter, according to specification ASTM-B-49/98, or its equivalent with the following specifications:

Purity	99.90% Min.,
Resistivity	0.017241 Ohm. mm <sup>2</sup> /m (max.) at 20 <sup>o</sup> C.
Tensile elongation	20% -30% after drawing in Tandem Line Machine
Diameter	8 mm.
Variation in diameter	± 0.38 mm.
Density	8.89 gm/cm <sup>3</sup>

Detailed specifications with technical leaflets/brochure and quality certificate of products from the manufacturer should be submitted along with offer.

**Packing:** Each coil is to be provided with plastic / steel strapping, poly-shrunk Wrapped on wooden-pallets to facilitate loading/ unloading by fork-lifter.

**Sample:** Sample (minimum 15 Kgs.) of no commercial value with detailed specifications, Literature and quality certificate of the products from the manufacturer should be submitted **on or before the date of tender opening**. Also the tenderers must provide evidence of country of origin of the product.

(Specimen)

***BANK GUARANTEE IN LIEU OF PAY ORDER / BANK DRAFT / SDR***

Bangladesh Cable Shilpa Limited,  
Shiromoni Industrial Area,  
P.O. Sonali Jute Mills, Code No. 9206,  
Khulna.

Guarantee No. ....  
Dated .....  
(For mentioned amount)

Dear Sir,

Whereas Bangladesh Cable Shilpa Limited (BCSL), Shiromoni Industrial Area, P.O. Sonali Jute Mills, Khulna-9206, under tender No. ....dated ..... inviting tenders for supplies of (described supplies) has agreed to waive the requirement of cash deposit/call deposit of US\$/£/€/Taka..... as tender security by the bidder for making the supplies in accordance with the terms and conditions of the tender, if the tenderer shall provide the Bank Guarantee for payment for the said amount.

And whereas the tenderer

M/s. .... of  
.....has requested us (name of bank) of ..... to issue an unconditional guarantee for payment of the amount of US\$/£/€/Taka ..... when called upon.

In consideration of the above, we (name of bank) of .....hereby undertake and guarantee due performance of the bidder M/s. .... of  
.....and unconditionally and absolutely bind ourselves.

1. To make payment without any question whatsoever of US\$/£/€/Taka..... to Bangladesh Cable Shilpa Limited (BCSL) or as directed by the authority immediately on receipt of demand from M/s. Bangladesh Cable Shilpa Limited, Khulna in writing, in the event of the bidder fails to perform the tender. It is expressly understood that M/s. Bangladesh Cable Shilpa Limited shall be the sole judge for deciding whether the bidder has performed the tender and fulfilled the terms and conditions of the tender.

2. It is specifically stipulated and understood by the Bank that any grant of time or indulgence to the bidder without reference to the bank shall not in any manner tend to absolve the bank from its liability to make payment as stipulated above under this guarantee.

3. The Bank's commitment under this guarantee is limited to an amount of US\$/£/Taka ..... ( ..... ) only.

4. This guarantee will remain valid for **90 (ninety) days** from the date of opening of the Tender up to .....

Yours faithfully,

(Seal of Bank)

.....Bank.

Dated: .....

(Specimen)

(STAMP)

**PERFORMANCE GUARANTEE**

Bangladesh Cable Shilpa Limited,  
Shiromoni Industrial Area,  
P.O. Sonali Jute Mills, Code No. 9206,  
Khulna, Bangladesh.

Bank guarantee.....  
Dated.....  
(For mentioned amount)

**Dear Sir,**

Whereas Bangladesh Cable Shilpa Limited (BCSL), Shiromoni Industrial Area, P.O. Sonali Jute Mills, Code No. 9206, Khulna hereinafter referred to as the buyer proposed to enter into a contract through Notification of Award(NOA) No. ....dated..... hereinafter called the contract with (name of the sellers) of ..... hereinafter referred to as the sellers for the supply of (described supplies) in accordance with the terms and conditions of the contract.

And whereas the sellers have requested us (name of Bank) to issue an unconditional bank guarantee for an amount of US\$/£/€/Taka.....being 10 **(Ten) percent** of the C&F/CFR value of the offered material (name of the material with quantity).

In consideration aforesaid we, (name and Bank) .....hereby undertake and guarantee due observance and performance of the terms and conditions of the contract by the sellers and we unconditionally and absolutely bind ourselves:

1. To make payment on demand and without demur and without reference to the seller of US\$/£/€/Taka ..... to the buyers or as directed by the buyers in writing, if the seller fails to perform the contract or fulfil the terms and conditions thereof.
2. To keep this guarantee valid and in force for **8 (eight) months from the issuing date and extendible** for a further period if so required by the buyers.

The guarantee is unconditional and it is expressly understood that the Buyers shall be the sole judge for deciding whether the sellers have performed the contract and fulfilled the terms and conditions thereof.

It is specifically stipulated and understood by us (Name of the Bank) that and grant of time or indulgence to the sellers without reference to us shall not in any manner tend to absolve us from our liability to make payment as stipulated above under this guarantee.

Our commitment under this guarantee is limited to an amount of US\$/£/€/ Taka.....only.

Yours faithfully,

(Seal of Bank)

Dated: .....

.....Bank.

**(To be filled by the manufacturer in letter head pad)**  
**Material Specification Confirmation Form (MSCF)**

*Name of offered Raw material:* .....

Name of the Manufacturer: .....

Country of Origin : .....

Tender No. : 14.37.0000.702.07.264.18.1522

Dated: 14-06-2018.

Tender opening date: 18-07-2018.

Tendered Specification/Requirements of .....				Comments/ Clarification of deviation (if any).
Properties of materials:				
Parameters mentioned in the tender documents	Unit in tender document.	Value in tender document	Offered Value.	
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
Original technical leaf-lets of manufacturer to be submitted with the sample.				
Sea- worthy Export Packing	The packing should be standard, free from moisture, rain, water & weather-proof, suitable handling which will keep the material properties unchanged during transportation and facilitate loading/unloading by fork-lifter.			
Names of other international manufacturing organizations using it for same purposes.				
Reference of past supply to BCSL.				
Remarks				

Designation of Authorized officer \_\_\_\_\_ Signature \_\_\_\_\_

**THE END**