

North-Eastern Hill University
NEHU Campus
Shillong 793 022, Meghalaya (India)



**Short Quotation Notice for SUPPLY AND INSTALLATION OF 0.5
mm PVC, Armoured PIJF , Optical Fibre Cables & required
Accessories.**

NIQ No. F.3-1/NDVN/2019-2020/02

7th May 2019

Price: ₹500/-

QUOTATION NOTICE NO.	F.3-1/NDVN/2019-2020/02 7/05 2019
LAST DATE & TIME FOR RECEIPT OF QUOTATION	16 th May 2019 11:00 AM
DATE & TIME OF OPENING	16 th May 2019 2:30 PM
OFFICER RECEIVING THE QUOTATION	Administrative Incharge NDVN FACILITY North-Eastern Hill University, Shillong 793022, Meghalaya
TELEPHONE NUMBER	0364-2551297/2726195
FAX	(0364) 2551634
E-MAIL ADDRESS	admin@nehu.ac.in / admin.nehu@gmail.com

QUOTATION PURCHASE DETAILS:

Quotation Documents can be obtained by downloading from www.nehu.ac.in. The cost of Quotation document amounting to ₹ 500/- only (Non-Refundable) should be submitted by means of demand draft only along with the Quotation document and Earnest Money.

The demand draft must be in favour of The Finance Officer, North-Eastern Hill University, Shillong and payable at SBI NEHU, Shillong (code 4295)

Demand Draft No. _____ Dated _____.

EARNEST MONEY DETAILS (EMD): ₹ 5,000/- (Refundable)

The Demand Draft pertaining to Earnest Money should be submitted along with the Quotation Document. The demand draft must be in favour of The Finance Officer, North-Eastern Hill University, Shillong and payable at SBI NEHU, Shillong (code 4295)

Demand Draft No. _____ Dated _____.

NIQ of SUPPLY AND INSTALLATION OF 0.5 mm PVC, Armoured PIJF , Optical Fibre Cables & required Accessories
SECTION I

INVITATION FOR BIDS

1. North-Eastern Hill University invites sealed Quotation from eligible Firms for SUPPLY AND INSTALLATION OF 0.5 mm PVC, Armoured PIJF, Optical Fibre Cables and required in the Shillong campus reconnecting Telephone Exchange in Political Science Department with ABCD Block for Telephone and Optical Cables damaged due to on going construction near the department and restoring cables for Registrar's residential Quarters.
2. Interested eligible Bidders may obtain further information, if required, from the office of **NDVN Facility (VSAT), North-Eastern Hill University, Shillong during office hours on all working days of the University.**
3. The Quotation document may be obtained by downloading it from www.nehu.ac.in
4. Bids will be opened in the presence of Bidder's representatives who choose to attend on the specified date and time.
5. In the event of the date specified for bid receipt and opening being declared as a closed Holiday for purchaser's office, the due date for submission of bids and opening of bids will be the following working day at the appointed times.

NIQ of SUPPLY AND INSTALLATION OF 0.5 mm PVC, Armoured PIJF , Optical Fibre Cables & required Accessories
The details of the Quotation are as under:

Sl. No.	Items	Description
1.	Scope of Work	SUPPLY AND INSTALLATION OF 0.5 mm PVC, Armoured PIJF , Optical Fibre Cables & required Accessories for reconnecting Telephone Exchange in Political Science Department with ABCD Block for Telephone and Optical Cables damaged due to on going construction near the department and restoring cables for Registrar's residential Quarters.
2.	Cost of Quotation document	₹ 500/-
3.	Last date & time of submission of bid	16th May 2019 11:00 AM
4.	Date & time of opening bids	16th May 2019 2:30 PM
5.	EMD	₹5,000/-
6.	Place of opening of bids	Committee Room, Administrative Building NEHU, Shillong 793022, Meghalaya
7.	Address for communication	Administrative In-Charge NDVN Facility SAIF Building, near Library NEHU, Shillong 793022, Meghalaya

NIQ of SUPPLY AND INSTALLATION OF 0.5 mm PVC, Armoured PIJF , Optical Fibre Cables & required Accessories
SECTION II
INSTRUCTIONS TO BIDDERS

1. The Bidders shall give detailed of Quotation in their own forms in duly sealed envelope. The envelope shall bear the following inscriptions:

“SUPPLY AND INSTALLATION OF 0.5 mm PVC, Armoured PIJF , Optical Fibre Cables & required Accessories. ”.

2. Bids shall be valid for a minimum period of 120 days.
3. The Bids must reach the undersigned on or before the due date, i.e. Bids received after the due date & time is liable to be rejected. University will not be responsible for any postal delays. Bids submitted by FAX/EMAILS will not be considered at all.
4. Bids received will be opened on the same day. Parties participating in the bid are requested to be available for opening of bids.
5. The quotations shall include all specifications as detailed in the Quotation. Silence in any of the specifications will be interpreted as non-conformity with purchaser's requirement. Quotation enquiry may make this point clear to avoid further correspondence seeking clarification.
6. The rates quoted should indicate clearly all applicable taxes.
7. The Quotation is liable to be ignored if complete information is not given therein or if the particulars asked for in the terms and conditions are not mentioned.
8. Bidders shall strictly respond to Technical Specifications in the prescribed format only as in **Annexure-I** of the Quotation Document.
9. Bidders shall strictly quote in the prescribed format only as in **Annexure-II** of the Quotation Document.
10. All the pages of the bid and Quotation Document should be signed along with company's seal.

NIQ of SUPPLY AND INSTALLATION OF 0.5 mm PVC, Armoured PIJF , Optical Fibre Cables & required Accessories
SECTION III

TERMS AND CONDITIONS

1. Successful bidder shall be required to deposit an amount of 10% of the order value towards Performance Security Deposit in the form of Bank guarantee from any nationalized Bank at the time of executing agreement with NEHU as performance guarantee. The Bank guarantee will be valid for period of 12 (twelve) months which may be extended at the discretion of NEHU.
2. The E.M.D. of the successful Bidder will only be released, when the successful bidder deposits the Security Deposit as mentioned in No1. Of Terms and Conditions. No Interest will be paid either on E.M.D. or Security Deposit in any case for any period whatsoever.
3. The scope of work will cover laying and terminating 0.5 mm PVC, 0.5 mm PIJF, Optical Fibre cables and all required accessories for location on near Political Science Dept, ABCD Block connecting adjacent buildings and Registrar's residential Quarters.
4. Placement of work order will be subjected to availability of Funds.
5. Rates should be valid for a period of one year from the day of issue of letter of approval of rates or issue of the first work order whichever is earlier.
6. The University reserves the right to only procure some items at a time and also may give orders or repeated orders during this period.
7. Payment will be made 100% after successful Installation as Certified by NDVN Facility Department and the measurement taken.
8. If the work is delayed by the contractor beyond five weeks of the time limit specified in the work order or beyond five weeks of the extension granted if any to the contractor to complete the work satisfactorily, NEHU may resort to any or all of the following measures.
 - a. Work order may be cancelled.
 - b. Agreement may be terminated.
 - c. Security deposit may be forfeited.
 - d. The contractor may be 'Black Listed'.
9. The University reserves the right to reject any or whole quotations without assigning any reasons thereof and does not bind itself to accept the lowest quotations whatsoever.
10. That in case of any disputes between concerned parties under the contract dispute shall be settled through amicable resolutions and if not then only courts of Meghalaya will have exclusive jurisdiction to try and entertain suits between the parties under the Contract.
11. The terms and conditions of the Quotation are binding on both the parties.

SECTION IV

ELIGIBILITY CRITERIA FOR PARTICIPATING IN THE QUOTATION

(Valid & Up to date Documentary Evidence must be enclosed point wise)

1. The OEM should be ISO 9001:2000 & QS: 9000 Certified.
- 2. All Telephone Cables and accessories should be BSNL Approved**
3. The bidder must have implemented and maintained similar system in at least two reputed Institutes and Offices of more than 200 users. Proof of work orders must be provided.
4. Photocopy of the GSTIN, and PAN must be included along with the quotation.

NIQ of SUPPLY AND INSTALLATION OF 0.5 mm PVC, Armoured PIJF , Optical Fibre Cables & required Accessories

DETAILS OF BIDDER

Sl. No.	Required Details	
1.	Name of the Bidder	
2.	Address of the Bidder	
3.	Contact No.	
4.	Fax No.	
5.	Mobile No.	
6.	Email	
7.	Name of Authorized Signatory	
8.	GSTIN	
9.	PAN	
10.	Year of Establishment	
11.	Name and address of Banker	
12.	EMD Details DD No and date: Amount: Name of the Bank:	
13.	Quotation Document Purchase Details DD No and date: Amount : Name of the Bank:	

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Name, Designation & Signature of Bidder

Annexure-I

A. Single Mode Outdoor Fiber Cable			
SL. no	Particulars	Spec	Compliance Yes/No
1	Cable Type	6/12 fiber Single Mode, Armoured, Unitube, Gel filled cable complying to ISO.IEC 11801 - 2nd Edition, type OS1; AS/ACIF S008; AS/NZS 3080,ITU-T REC G 652D, IEC 60793/60794, TIA 568, EIA 455; suitable for use in direct burial, outdoor ducts and backbone cabling.	
2	Armoured	Corrugated Steel Tape Armour -Thickness > 0.125mm	
3	Water Blocking	Thixotropic Gel (Tube), Petroleum Jelly (Interstices)	
4	Attenuation	@ 1310nm <=0.35 db/Km MAX	
		@1550nm <=0.22 db/Km MAX	
5	Numerical Aperture	0.14	
6	Attenuation Discontinuity	Both Windows <0.10dB	
7	Core/Mode-Field (um)	9	
8	Clad Diameter (um)	125 + - 1	
9	Coat Diameter	245 + - 10	
10	Loose tube material	Single PBTP Loose tube filled with water blocking Thixotropic gel	
11	Jacket material	UV Stabilised Polyethylene (HDPE)	
12	Peripheral Strength Member	Two Steel wires	
13	Tensile Strength	1000N	
14	Crush Resistance	2000N/10 cm	
15	Cable Diameter	10.0 + - 0.5 mm	
16	Max. Bending Radius (during installation)	20 X Overall diameter	
17	Max. Bending Radius (during full load)	10 X Overall diameter	
18	Cable weight Kg/Km	95 kg/km	
19	Operating Temperature	.-10 Degree C to +70 Degree C	

NIQ of SUPPLY AND INSTALLATION OF 0.5 mm PVC, Armoured PIJF , Optical Fibre Cables & required Accessories

	B. UNARMoured PVC TELEPHONE CABLE		Compliance Yes/No
SL. no	Particulars	Spec	
1	Cable type	PVC insulated, overall PVC sheathed telephone cable	
2	Applicable standard	Gen.con to GR/WIR 06/03,Mar-02 & our technical particulars	
3	No of Pair	50/100	
4	Conductor		
	Material	Annealed Tinned copper conductor as per IS:8130/84	
	Grade	Electrolytic	
	Size (No of cond/standard dia	1/0.5 mm	
	Shape of conductor	Solid-circular	
5	Insulation		
	Material	Extruded PVC type 2 of IS: 13176	
	Thickness	0.2,(+)0.05,(-)0.2	
	Colour Coding	White+Blue,White+Orange	
	Twisting lay	Max.80 mm	
	Cable laying	The required No. of pairs shall be laid up together to form a cable core to from circular cable & shall be Mylar taped	
6	Outer sheath		
	Material	Extruded PVC Type TM-2 as per IS: 13176	
	Thickness (Min)	0.65 mm	
	Colour	Grey	
	Approx dia of overall cable	4.5 max mm	
7	Marking on Outer sheath	Year of manufacturing, length marking at one Mtrs by printing	
8	Standard packing length with +/- 10% tolerance	500/100 Mtr	
	Non standard length	Max. 5% of the quantity may be supplied in non-standard length but not less than 20 Mtrs	
9	Electrical Tests		
	Max.conductor resistance	92.2 Ohm/km	
	Min. insulation Resistance	50M ohms at 50 deg.C of finished cable	
	High voltage Test	2 KV RMS for 1 minute	

NIQ of SUPPLY AND INSTALLATION OF 0.5 mm PVC, Armoured PIJF , Optical Fibre Cables & required Accessories

	C. Armoured PIJF TELEPHONE CABLE		Compliance Yes/No
S.No	Particulars	Description	
1	Cable Type	Armoured Jelly Filled Cables	
2	Applicable Standards	DOT G/CUG-01/03 Aug 03	
3	No.of Pair	5/50/100	
4	Conductor		
a)	Material	Solid Annealed Bare Copper	
b)	No.of Strand/Dia of each strand (Nom.)	0.5 No./mm	
c)	Grade	Electrolytic	
d)	Area of cross section(Approx)	0.196 mm ²	
e)	Shape of conductor	Solid-Circular	
7	Insulation		
a)	Material	Solid polythene confirming to ASTM D-1248 Type-II or III, Class-A Cat.4 or 5 (cl.4.0 of TEC G/CUG-01/03 Aug.03)	
b)	Thickness of insulation	Suitable to meet the electrical & other test requirement	
c)	Method of applicable	Extruded	
d)	Nom.diameter over insulation	Suitable to meet the electrical & other test requirement	
e)	Colour scheme for identification	As per table 2 of DOT spec. G/CUG-01/03 Aug.03	
f)	Twisting Lay of Pairs	Max.150mm	
g)	10P/20P Colour Scheme with binder tape	As per Table 2 of TEC GR/CUG-01/03 Aug.03	
8	Cable Laying	The required No. of pairs/Units should be stranded to form a cable core	
9	Jelly Filling	The Cable core thus formed should be filled with suitable water resistance compound	
10	Core wrapping	After filling the water resistant compound at least one close helical/longitudinal applications of polyester tape should be applied	
11	Screening		
a)	Material	Polyal Tape (as per CL.No.9.0)	
b)	Thickness	0.3+/-15% mm	
c)	Overlap	Min.3 mm	
12	Sheath		
a)	Material	Solid Polythene (confif to Type 03C or H 03C of BS-6234)	
b)	Type	Extruded	
c)	Thickness	Nom.2.0,Avg.1.7,Min.1.5 mm	

NIQ of SUPPLY AND INSTALLATION OF 0.5 mm PVC, Armoured PIJF , Optical Fibre Cables & required Accessories

d)	Dia over sheath (Max.)	11 mm	
e)	Colour	Black	
13	Bedding	The close helical lapping of polythene or polypropylene tape shall be provided with min.5% overlap over sheath	
14	Armouring		
a)	Material	Hot Dip Galvanised Steel tape	
b)	Type	Helical as per CL.No.11.3 of TEC Spec.	
c)	Thickness of Tape(Nom.)	0.2 mm	
15	Jacket		
a)	Material	Solid polythene (Config.to type 03C or H 03C of BS-6234)	
b)	Type	Extruded	
c)	Thickness	Nom.14 mm	
d)	Dia over Jacket(Max.)	18 mm	
e)	Colour of outer jacket	Black	
16	Length of drums with +10%/-25% Tolerance as per DOT specn.GR/CUG-01/03.	1000 Mtrs	
17	Electrical Parameters		
a)	Max.Conductor resistance at 20 C	86+/-6 M.ohm/km	
b)	Resistance unbalance		
	Average Max.	1.0 %	
	Individual Max.	2.5 %	
c)	Min.I.R. at room temp.	5000 M.ohm/km	
d)	Mutual Capacitance	Avg.52+/-3,Indv.Max.52+/-4.5 nF/km	
e)	Capacitance Unbalance	Pair to Ground Avg.Max.750 pF/Km, Indv. Max.750pF/km	
		Indv.Max.3000pF/km	
		pair to pair Avg.Max.50pF/km	
		Indv.Max.200pF/km	
f)	Cross Talk at 150KHz	Indv.Better than 55db/km ELFEXT	
		RMS:Better than 67.8db/km	
		Next:Indv Valu between pairs	
		Better than 55db/km	
g)	High Voltage Test Core to core	2.4KV DC for 3 seconds	
	Core to Core	5KV DC for 3seconds	
18	Cable Marking	Year of Mfg., Length marking no.of Pairs/Condt.Size	

NIQ of SUPPLY AND INSTALLATION OF 0.5 mm PVC, Armoured PIJF , Optical Fibre Cables & required Accessories

D. Krone Module, for 10 pairs with disconnection facility			Compliance Yes/No
SL. no	Particulars	Spec	
1	Features:		
a)	Genuine KRONE* LSA-PLUS connection technology only		
b)	Fits on all LSA-PLUS [®] back mount frames		
c)	Suitable for use in all xDSL and ADSL 2+ circuits		
d)	Flexible indoor and outdoor use		
e)	Robust long term environmental stability		
f)	Supports LSA-PLUS [®] series 2 accessories		
g)	Overvoltage protection using 10 pair protection magazine		
h)	Overvoltage & overcurrent protection using single pair protection (IPM)		
2	Compliance:		
a)	Type approved against TEC, MDF spec. GR/CTN – 01/04 may 05		
b)	Type approved against TEC, CT Block spec. GR/CTN- 03/03 march 04		
3	Specifications		
	Conductor diameter of connectable wires		
a)	2 wires per contact	0.40 to 0.63 mm	
b)	1 wire per contact	0.63 to 0.8 mm AWG 22 to AWG 26	
	Insulation diameter of connectable wires	0.7 to 1.6 mm	
4	Properties		
a)	Connection frequency	> 200 times	
b)	Test access plug in cycles	> 250	
5	Electrical values		
a)	Contact resistance	< 2.5 m ohms	
b)	Insulation resistance	> 50 000 Mega ohms	
c)	Dielectric strength	2 KV rms	
d)	Impulse current	2 KV rms	
e)	Current carrying capacity	2 A	
6	Environmental		
a)	Temperature operation	-5 c to + 60c	

NIQ of SUPPLY AND INSTALLATION OF 0.5 mm PVC, Armoured PIJF , Optical Fibre Cables & required Accessories

b)	Relative humidity	95%, no water condensation, no ice	
7	Materials		
a)	Plastics	PBT, resistant against aggressive chemicals (PVC softener)	
b)	Plastics flammability class	UL 94 V0	
c)	Contact	Special brass , silver plated	

E. 30/50/100/200 PAIRS INDOOR DISTRIBUTION BOX		Compliance Yes/No
1	Material should be 1.2 mm CRCA SHEET	
2	FINISH should be EPOXY POLYESTER II POWDER COATED 60 TO 80 MICRONS MIN	
3	COLOUR: SIEMENS GREY	

NIQ of SUPPLY AND INSTALLATION OF 0.5 mm PVC, Armoured PIJF , Optical Fibre Cables & required Accessories
Annexure-II

Price Submission Format

	SUPPLY Items	Approx			
	Item	Qty	Rate	Tax	Amount
1	0.5 mm 100 Pair PIJF Cable Armoured	130			
2	0.5 mm 50 Pair PVC Indoor Cable	100			
3	0.5 mm 100 Pair PVC Indoor Cable	600			
4	200 Pair Indoor Distribution Box with Krone	3			
5	100 Pair Indoor Distribution Box with Krone	1			
6	200 Pair outdoor Distribution Box with Krone	1			
7	Fiber Cable 6 Core SM Armoured	200			
8	SC Coupler. Single Mode (SM)	12			
9	SC pigtail . SM	12			
10	HDPE pipe	90			
11	GI PIPE for road crossing	50			
	Total Supply				
12	0.5 mm 5 Pair PIJF Cable Armoured	190			
	INSTALLATION				
	ITEM	Qty	Rate	Tax	Amount
1	Laying PIJF Cables with OFC & HDPE Pipe Same trench of 3 Feet with cement cover over road crossing	70			
2	Indoor laying/Saddling of PIJF Cables with PVC Pipe	80			
3	Indoor laying/Saddling of PVC Cables with PVC Pipe	600			
4	Indoor laying of Fibre Cable through PVC Pipe.	150			
5	OFC Splicing.	12			
6	200 Pair Indoor Distribution Box with Krone	3			
7	100 Pair Indoor Distribution Box with Krone	1			
8	200 Pair outdoor Distribution Box with Krone	1			
	Total Installation				
9	Laying 5 Pair PIJF Cables 3 Feet with cement cover over road crossing	190			
10	Lifting Old Cables PIJF and saddling along the wall upto DB	500			
TOTAL (SUPPLY & INSTALLTION) (Excluding item 12 of supply and item 9&10 of Installation)					0

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Name, Designation & Signature of Bidder