BANGLADESH RESEARCH AND EDUCATION NETWORK (BdREN)

Request for Quotation Document (National)
Quotation for

Procurement of SFP & XFP Modules for BdREN Network

[Request for Quotation Method]

RFQ Reference Number:
BdREN Trust/Data & Network/Transmission Equipment Maintenance/13/4.1

[for values up to Taka 0.8 million/8.00 (Eight) Lakh]

Guidance Notes on the use of
The Request for Quotation Document

1. These guidance notes have been prepared by the BPPA to assist a Procuring Entity in the preparation of e-Quotation document, using the Standard Request for e-Quotation, SRFQ, for the procurement of low value Goods. All concerned are advised to refer to the Public Procurement Rules, 2025 issued to supplement the Public Procurement Act, 2006; available on BPPA's website: http://www.bppa.gov.bd/. Notes and guidance are provided for both the Procuring Entity and the Quotationer.

2. The procurement under Request for Quotation Method (RFQM) shall follow the provisions pursuant to Rules 90 to 94 of the Public Procurement Rules, 2025 in accordance with Section 32 of the Public Procurement Act, 2006. SRFQ is based upon best national practices that have been adapted to suit the particular needs of procurement.

3. The use of SRFQ (PG1) applies when a Procuring Entity intends to select a Quotationer (a Supplier) for the Procurement of Goods under RFQ Method (RFQM) pursuant to Rule 90(3) of the Public Procurement Rules, 2025.

4. Pursuant to Rule 92(1) and Rule 92(2) of the Public Procurement Rules, 2025, e-RFQ shall be invited through e-GP System.. eRFQ shall not be required to be advertised in the daily newspapers but for the minimum circulation the Procuring Entity shall publish that advertisement in its website (if any), including posting in the Notice Board and, shall send with request for publication to the administrative wing of some other Procuring Entities nearby.

5. Pursuant to Rule 92(3) of the Public Procurement Rules, 2025, e-RFQ Document shall be issued or made available to potential Quotationers 'free-of-cost'.

6. The time-limit for Request for e-Quotation shall in no case exceed seven (7) days pursuant to Rule 92 (4) of the Public Procurement Rules, 2025. The Procuring Entity must provide minimum three (3) days for submitting e-Quotations.

7. No Securities such as Quotation Security (i.e. Tender Security) and Performance Security shall be required pursuant to Rule 91(6) of the Public Procurement Rules, 2025.

8. Submission, Opening and Evaluation of the Quotations shall respectively be dealt with pursuant to Rule 93(1), Rule 93(2) and Rule 94(1) of the Public Procurement Rules, 2025 as specified in the e-RFQ.

9. The criteria for evaluation, pursuant to Rule 91(4) of the Public Procurement Rules, 2025, shall be pre-disclosed.

10. Pursuant to Rule 90(5) of the Public Procurement Rules, 2025 the Quotation for standard off-the-shelf low value readily available Goods shall usually be on 'Unit-Rate' basis.

11. The specifications of Goods shall be framed pursuant to Rule 38 of the Public Procurement Rules, 2025.

12. Splitting the object of Procurement is not permissible pursuant to Rule 90(4)(ka) of the Public Procurement Rules, 2025.

13. The Procuring Entity shall issue the Purchase Order, pursuant to Rule 94(5) of the Public Procurement Rules, 2025, to the successful Quotationer following recommendations of the Evaluation Committee and approval thereupon of the Approving Authority.

14. Provision of Retention Money shall however be kept at the rate of (5) percent of the contract price from contractor's payable amount against any claims during the Warranty Period.

15. The Defects Liability Period shall usually remain between 6 and 12 months.

16. The Procuring Entity shall further be required to maintain the record of procurement proceedings pursuant to Rule 60 of the Public Procurement Rules, 2025.

Bangladesh Research and Education Network (BdREN) Trust

BdREN Trust, Level-5, Navana HR Tower-2, 205/1 Bir Uttam Mir Shawkat Sarak
Tejgaon-Gulshan Link Road, Dhaka- 1208

REQUEST FOR QUOTATION

for

Procurement of SFP & XFP Modules for BdREN Network

RFQ No.: BdREN Trust/Data & Network/Transmission Equipment Maintenance/13/4.5; Date: 14/12/2025

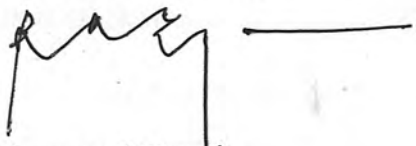
To

_____

1. **BdREN** has allocated its own funds and intends to apply a portion of the funds to eligible payments under the Contract for which this Quotation Document is issued.
2. Detailed Specifications and, Design & Drawings for the intended Goods and related services shall be available in the office of the Procuring Entity for inspection by the potential Quotationers during office hours on all working days.
3. Quotation shall be prepared and submitted using the "Quotation Document".
4. Quotation shall be completed properly, duly signed-dated each page by the authorized signatory and submitted by the closing date to the office as specified in **Para 6** below.
5. No Securities such as Quotation Security (i.e. the traditionally termed Earnest Money, Tender Security) and Performance Security shall be required for submission of the Quotation and delivery of the Goods (if awarded) respectively.
6. Quotation in a sealed envelope or through electronic mail shall be submitted to the office of the undersigned **on or before *23rd December 2025, 02.00 pm.*** The envelope containing the Quotation must be clearly marked "**Procurement of SFP & XFP Modules for BdREN Network**" and **DO NOT OPEN before *23rd December 2025, 02.00 pm.*** Quotations received later than the closing time specified herein shall not be accepted.
7. Quotation received by fax or through electronic mail shall be sealed-enveloped by the Procuring Entity by duly marking them as stated in **Para 6** above and, all Quotations thus received shall be sent to the Evaluation Committee for evaluation, without opening, by the same date of closing of the Quotation.
8. The Procuring Entity may extend the deadline for submission of Quotations on justifiably acceptable grounds duly recorded subject to threshold of seven (7) days pursuant to Rule 92 (4) of the Public Procurement Rules, 2025.
9. All Quotations must be valid for a period of at least 30 days from the closing date of the Quotation.
10. No public opening of Quotations shall be held.
11. Quotationers' rates or prices shall be inclusive of profit and overhead and, all kinds of taxes, duties, fees, levies, and other charges to be paid under the Applicable Law, if the Contract is awarded.
12. Rates shall be quoted and, subsequent payments under this Contract shall be made in Taka. The price offered by the Quotationer, if accepted, shall remain fixed for the duration of the Contract.
13. Quotationer shall have legal capacity to enter into a Contract. Quotationer, in support of its qualification shall be required to submit certified photocopies of latest documents related to valid **Trade License**, **Tax Identification Number (TIN),** and **VAT Registration Number**; without which the Quotation may be considered non-responsive**.**
14. Quotations shall be evaluated based on information and documents submitted with the Quotations, by the Evaluation Committee and, at least three (3) responsive Quotations will be required to determine the lowest evaluated responsive Quotations for award of the Contract.

15. In case of anomalies between unit rates or prices and the total amount quoted, the unit rates or prices shall prevail. In case of discrepancy between words and figures the former will govern. Quotationer shall remain bound to accept the arithmetic corrections made by the Evaluation Committee.
16. The supply of Goods shall be completed within completion days from the date of commencement as per contract.
17. The Purchase Order that constitutes the Contract binding upon the Supplier and the Procuring Entity shall be issued within 03 (Three) days of receipt of approval from the Approving Authority.
18. The Procuring Entity reserves the right to reject all the Quotations or annul the procurement proceedings citing justified reason.

Signature of the official inviting Quotation



Name	:	Mohammad Tawrit
Designation	:	Chief Executive Officer (CEO)
Date	:	14/12/2025
Address	:	Level-5, Navana HR Tower-2 Tejgaon-Gulshan Link Road, Dhaka- 1208.
Phone no.	:	+880 9666 110022
E-mail	:	ceo@bdren.net.bd

Distribution:

1. Chief Finance Officer (CFO), BdREN – For information.
2. General Manager (Systems & Services), BdREN – For posting on the website (if applicable).
3. Office File.

Quotation Submission Letter

[Use Letter-head Pad]

RFQ No.:..... **Date: DD.MM.YYY**

To,
Chief Executive Officer,
BdREN Trust, Level-5, Navana HR Tower-2
205/1 Bir Uttam Mir Shawkat Sarak
Tejgaon-Gulshan Link Road, Dhaka- 1208

I/We, the undersigned, offer to supply in conformity with the Terms and Conditions for "Procurement of SFP & XFP Modules for BdREN Network".

The total Price of my/our Quotation is BDT **[insert amount both in figure and words]**

My/Our Quotation shall remain valid for the period stated in the RFQ Document and it shall remain binding upon us and, may be accepted at any time prior to the expiration of its validity period.

I/We declare that I/we have the legal capacity to enter into a contract with you, and have not been declared ineligible by the Government of Bangladesh on charges of engaging in corrupt, fraudulent, collusive or coercive practices. Furthermore, I/we am/are aware of Para 21(b) of the Terms and Conditions and pledge not to indulge in such practices in competing for or completion of delivery of Goods.

I/We am/are not submitting more than one Quotation in this RFQ process in my/our own name or other name or in different names. I/We understand that the Purchase Order issued by you shall constitute the Contract and will be binding upon me/us.

I/We have examined and have no reservations to the RFQ Document issued by you on **[insert date]**

I/We understand that you reserve the right to reject all the Quotations or annul the procurement proceedings without incurring any liability to me/us.

Signature of Quotationer with Seal
Date:

Price Schedule
for
Procurement of SFP & XFP Modules for BdREN Network

RFQ No.:..... Date: DD.MM.YYY

SL	Description of Items	Unit	Qty	Unit Rate or Price		Total Amount	Destination for Delivery of Service
				In figure	In words	In Figure & In words	
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
1.	1.25G SFP (LC Interface, Single Core, 20km)	Pairs	50				BdREN Trust, Navana HR Tower-2, Level-5, Tejgaon-Gulshan Link Road, Dhaka-1208
2.	1.25G SFP (LC Interface, Single Core, 40km)	Pairs	15				
3.	1.25G SFP (LC Interface, Single Core, 120km)	Pairs	15				
4.	1.25G SFP (LC Interface, Single Core, 160km)	Pairs	15				
5.	10G SFP+ (LC Interface, Single Core, 20km)	Pairs	15				
6.	10G SFP+ (LC Interface, Single Core, 40km)	Pairs	10				
7.	10G SFP+ (LC Interface, Single Core, 60km)	Pairs	5				
8.	10G XFP (LC Interface, Single Core, 10km)	Pairs	5				
9.	10G XFP (LC Interface, Single Core, 60km)	Pairs	7				
Total Amount for Supply of Goods and Related Services (inclusive of VAT and all applicable taxes; *see Note 2 below*)					In figure		
					In words		

Goods to be supplied to	**Product should be delivered to BdREN Trust, Navana HR Tower-2, Level-5, Tejgaon-Gulshan Link Road, Dhaka-1208**
Total Amount in Taka (in words)	**[enter the Total Amount as in Col.8 above for providing service].**
Delivery Offered	**[insert weeks/days] from date of issuing the Purchase Order]**
Warranty Provided	**[insert weeks/months from date of completion of the delivery; state none if not applicable]**

[insert number] number corrections made by me/us have been duly initialed in this Price Schedule. My/Our Offer is valid until _____[insert Quotation Validity date].

Signature of Quotationer with Seal	Date: / /
Name of Quotationer	

Note:
1. Col. 1, 2, 3, 4 and 8 to be filled in by the Procuring Entity and Col. 5, 6 & 7 by the Quotationer.
2. Rates or Prices shall include profit and overhead and, all kinds of taxes, duties, fees, levies, and other charges earlier paid or to be paid under the Applicable Law, if the Contract is awarded; including transportation, insurance etc. whatsoever up to the point of delivery of Goods and related services in all respects to the satisfaction of the Procuring Entity.

Technical Specification for
Procurement of SFP & XFP Modules for BdREN Network

SL	Item Name	Specifications Description		Bidder's Response	Reference Document Name and Page No
1	2	3		4	5
1	**1.25Gbps SFP BIDI Optical Transceiver 20Km LC DDM**	**P/N**	ESFPB-1235-20DL (SFP 1.25G Tx1310nm/Rx1550nm 20km LC DDM) ESFPB-1253-20DL (SFP 1.25G Tx1550nm/Rx1310nm 20km LC DDM)		
		Product Features	Gi Obit Ethernet		
			Gi Obit Fiber Channel		
			SFP MSA package with Simplex LC connector		
			Compliant with IEEE 802.3ah,		
			Digital diagnostic monitor interface compatible with SFF-8472		
			Transmission with 9/125 μm SMF		
			Single 3.3V Power Supply and LVTTL Logic		
			Very low EMI and excellent ESD protection		
			Operating Case Temperature: 0°C ~+70°C		
			RoHS compliant		
			Class 1 laser safety certified		
		Applications	Ethernet		
			Telecom		
			Fiber Channel		
		Operation Environment	Storage Temperature (Min: -40°C, Max: +85°C)		
			Power Supply Voltage (Min: 3.13 V, Typ: 3.3 V Max: 3.47 V)		
		Transmitter	Data Rate: 1250 Mb/s		
			Average Output Power: Pout: Min: -9.0 dBm, Max: -3.0 dBm		
		Receiver	Receiver Sensitivity: Max: -22 dBm		
			Input Saturation Power (Overload): Min: -3 dBm		
		2Operating Wavelength	Wavelength: 1310nm and 1550nm		
2	**1.25Gbps SFP BIDI Optical Transceiver 40Km LC DDM**	**P/N**	ESFPB-1235-40DL (SFP 1.25G Tx1310nm/Rx1550nm 40km LC DDM) ESFPB-1253-40DL (SFP 1.25G Tx1550nm/Rx1310nm 40km LC DDM)		
		Product Features	Gi Obit Ethernet		
			Gi Obit Fiber Channel		
			SFP MSA package with Simplex LC connector		
			Compliant with IEEE 802.3ah,		

SL	Item Name	Specifications Description		Bidder's Response	Reference Document Name and Page No
1	2	3		4	5
			Digital diagnostic monitor interface compatible with SFF-8472		
			Transmission with 9/125 µm SMF		
			Single 3.3V Power Supply and LVTTL Logic		
			Very low EMI and excellent ESD protection		
			Operating Case Temperature: 0°C ~+70°C		
			RoHS compliant		
			Class 1 laser safety certified		
		Applications	Ethernet		
			Telecom		
			Fiber Channel		
		Operation Environment	Storage Temperature (Min: -40°C, Max: +85°C)		
			Power Supply Voltage (Min: 3.13 V, Typ: 3.3 V Max: 3.47 V)		
		Transmitter	Data Rate: 1250 Mb/s		
			Average Output Power: Pout: Min: -2 dBm, Max: +3 dBm		
		Receiver	Receiver Sensitivity: Max: -22 dBm		
			Input Saturation Power (Overload): Min: -3 dBm		
		Operating Wavelength	Wavelength: 1310nm and 1550nm		
3	**1.25Gbps SFP BIDI Optical Transceiver 120Km LC DDM**	**P/N**	1.25SF1490-120LAT 1.25SF1550-120LAT		
		Product Features	Single Mode bi-directional Transmission		
			SFP Multi-source Package with LC Receptacle		
			Up to 1.25Gb/s Data Links		
			Hot-Pluggable Capability		
			Single +3.3V Power Supply		
			Isolation > 30dB, Cross Talk < -45dB		
			Compliant with Specifications for IEEE802.3Z		
			Compliant with Bellcore TA-NWT-000983		
			Eye Safety Designed to Meet Laser Class1, Compliant with IEC60825-1		
		Applications	Gigabit Ethernet		
			Fiber Channel		
			WDM Application		
		Operation Environment	Supply Voltage (Min: +3.0V, Typical: +3.3V, Max: +3.6V)		
			Operating Temperature (Min: 0°C, Max: +70°C)		
		Transmitter	Data Rate: 1250 Mb/s		
			Average Output Power: 0 dBm		

SL	Item Name	Specifications Description		Bidder's Response	Reference Document Name and Page No
1	2	3		4	5
		Receiver	Receiver Sensitivity: Max: -33 dBm		
			Maximum Input Power: Min: -3 dBm		
			Hysteresis: Typical: 3.0 dBm		
		Operating Wavelength	Wavelength: 1490nm and 1550nm		
4	**1.25Gbps SFP BIDI Optical Transceiver 160Km LC DDM**	**P/N**	1.25SF1490-160LAT 1.25SF1550-160LAT		
		Product Features	Single Mode bi-directional Transmission		
			SFP Multi-source Package with LC Receptacle		
			Up to 1.25Gb/s Data Links		
			Hot-Pluggable Capability		
			Single +3.3V Power Supply		
			Isolation > 30dB, Cross Talk < -45dB		
			Compliant with Specifications for IEEE802.3Z		
			Compliant with Bellcore TA-NWT-000983		
			Eye Safety Designed to Meet Laser Class1, Compliant with IEC60825-1		
		Applications	Gigabit Ethernet		
			Fiber Channel		
			WDM Application		
		Operation Environment	Supply Voltage (Min: +3.0V, Typical: +3.3V, Max: +3.6V)		
			Operating Temperature (Min: 0°C, Max: +70°C)		
		Transmitter	Data Rate: 1250 Mb/s		
			Average Output Power: 0 dBm		
		Receiver	Receiver Sensitivity: Max: -33 dBm		
			Maximum Input Power: Min: -3 dBm		
			Hysteresis: Typical: 3.0 dBm		
		Operating Wavelength	Wavelength: 1490nm and 1550nm		
5	**10G SFP+ BIDI Optical Transceiver 20km**	**P/N**	ESFPB-8823-20DL (BIDI SFP+ Tx1270nm/Rx1330nm 20km LC DDM) ESFPB-8832-20DL (BIDI SFP+ Tx1330nm/Rx1270nm 20km LC DDM)		
		Product Features	Up to 11.3Gbps Data Links		
			Up to 20km transmission on SMF Power dissipation<1.0W		
			1270nm DFB laser and PIN receiver for ESFPB-8823-60DL 1330nm DFB laser and PIN receiver for ESFPB-8832-60DL 2-wire interface with integrated Digital Diagnostic monitoring EEPROM with Serial ID Functionality		
			(Compliant with SFP+ MSA with LC connector Single + 3.3V)		

SL	Item Name	Specifications Description		Bidder's Response	Reference Document Name and Page No
1	2	3		4	5
			Power Supply (Case operating temperature: Commercial: 0°C to +70°C Industrial: -40°C to +85°C)		
		Applications	10GBASE-BX & 10GBASE-LR/LW		
			10G SONET/SDH, OTU2/2e		
		Operation Environment	Power Supply Voltage (Min: +3.14V, Typical: +3.3V, Max: +3.47V)		
			Operating Temperature (Min: 0°C, Max: +70°C)		
		Transmitter	Data Rate: Typical: 10.312, Max: 11.3 Gbps		
			Average Launched Power: Pout, Min = - 6 dBm, Max = -1 dBm		
			Average Launched Power (Laser Off): Poff = -30 dBm		
		Receiver	Receiver Sensitivity: Max: - -14.4 dBm		
			Input Saturation Power (Overload): PSAT: Min: 0.5 dBm		
		Operating Wavelength	Wavelength: 1330nm and 1270nm		
6	**10G SFP+ BIDI Optical Transceiver 40km**	**P/N**	ESFPB-8823-40DL (BIDI SFP+ Tx1270nm/Rx1330nm 40km LC DDM) ESFPB-8832-40DL (BIDI SFP+ Tx1330nm/Rx1270nm 40km LC DDM)		
		Product Features	Up to 11.3Gbps Data Links		
			Up to 20km transmission on SMF Power dissipation<1.0W		
			1270nm DFB laser and PIN receiver for ESFPB-8823-60DL 1330nm DFB laser and PIN receiver for ESFPB-8832-60DL 2-wire interface with integrated Digital Diagnostic monitoring EEPROM with Serial ID Functionality		
			(Compliant with SFP+ MSA with LC connector Single + 3.3V)		
			Power Supply (Case operating temperature: Commercial: 0°C to +70°C Industrial: -40°C to +85°C)		
		Applications	10GBASE-BX & 10GBASE-LR/LW		
			10G SONET/SDH, OTU2/2e		
		Operation Environment	Power Supply Voltage (Min: +3.14V, Typical: +3.3V, Max: +3.47V)		
			Operating Temperature (Min: 0°C, Max: +70°C)		
		Transmitter	Data Rate: Typical: 10.312, Max: 11.3 Gbps		
			Average Launched Power: Pout, Min = 0 dBm, Max = 5 dBm		
			Average Launched Power (Laser Off): Poff = -30 dBm		
		Receiver	Receiver Sensitivity: Max: - -15 dBm		

SL	Item Name	Specifications Description		Bidder's Response	Reference Document Name and Page No
1	2	3		4	5
			Input Saturation Power (Overload): PSAT: Min: 0.5 dBm		
		Operating Wavelength	Wavelength: 1330nm and 1270nm		
7	**10G SFP+ BIDI Optical Transceiver 60Km**	**P/N**	10GSF1270-60LAT (BIDI SFP+ Tx1270nm/Rx1330nm 60km LC DDM) 10GSF1330-60LAT (BIDI SFP+ Tx1330nm/Rx1270nm 60km LC DDM)		
		Product Features	Up to 11.3Gbps Data Links		
			Up to 60km transmission on SMF Power dissipation<1.5W		
			1270nm DFB laser and PIN receiver for ESFPB-8823-60DL 1330nm DFB laser and PIN receiver for ESFPB-8832-60DL 2-wire interface with integrated Digital Diagnostic monitoring EEPROM with Serial ID		
			Functionality (Compliant with SFP+ MSA with LC connector Single + 3.3V)		
			Power Supply (Case operating temperature: Commercial: 0°C to +70°C Industrial: -40°C to +85°C)		
		Applications	10GBASE-BX		
			10G SONET/SDH, OTU2/2e		
		Operation Environment	Supply Voltage (Min: +3.0V, Typical: +3.3V, Max: +3.47V)		
			Operating Temperature (Min: 0°C, Max: +70°C)		
		Transmitter	Data Rate: Typical: 10.312, Max: 11.3 Gbps		
			Average Launched Power: Pout = 5 dBm		
			Average Launched Power (Laser Off): Poff = -30 dBm		
		Receiver	Receiver Sensitivity: Max: -20 dBm		
			Input Saturation Power (Overload): PSAT: Min: -6 dBm		
		Operating Wavelength	Wavelength: 1330nm and 1270nm		
8	**10G XFP BIDI Optical Transceiver 10Km LC DDM**	**P/N**	10GXFP23-10LAT (BIDI XFP Tx1270nm/Rx1330nm 10km LC DDM) 10GXFP32-10LAT (BIDI XFP Tx1330nm/Rx1270nm 10km LC DDM)		
		Product Features	Hot-pluggable XFP footprint		
			Supports 9.95Gb/s to 11.3Gb/s bit rates XFI Loopback Mode		
			RoHS-6 Compliant (lead-free)		
			1270nm DFB laser and PIN receiver for 10GXFP23-10LAT		

SL	Item Name	Specifications Description		Bidder's Response	Reference Document Name and Page No
1	2	3		4	5
			1330nm DFB laser and PIN receiver for 10GXFP32-10LAT Power dissipation<2W		
			Single + 3.3V Power Supply		
			Up to 10km transmission on SMF		
			2-wire interface with integrated Digital Diagnostic monitoring EEPROM with Serial ID Functionality		
			Compliant with XFP MSAwith LC connector		
			Case operating temperature : Commercial: 0°C to +70°C		
			Industrial: -40°C to +85°C		
		Applications	10GBASE-BX 10.3125Gb/s Ethernet 10GBASE-BX 9.953Gb/s Ethernet SONET OC-192 SR-1 SDH STM I-64.1		
		Operation Environment	Supply Voltage (Min: +3.14V, Typical: +3.3V, Max: +3.47V)		
			Operating Temperature (Min: 0°C, Max: +70°C)		
		Transmitter	Data Rate: Typical: 10.312, Max: 11.3 Gbps		
			Average Launched Power: Pout = - 5 dBm		
			Average Launched Power (Laser Off): Poff = -30 dBm		
		Receiver	Receiver Sensitivity: Max: -15 dBm		
			Input Saturation Power (Overload): PSAT: Min: 0.5 dBm		
		Operating Wavelength	Wavelength: 1330nm and 1270nm		
9	**10G XFP BIDI Optical Transceiver 60Km LC DDM**	**P/N**	10GXFP23-60LAT (BIDI XFP Tx1270nm/Rx1330nm 60km LC DDM) 10GXFP32-60LAT (BIDI XFP Tx1330nm/Rx1270nm 60km LC DDM)		
		Product Features	Hot-pluggable XFP footprint		
			Supports 9.95Gb/s to 11.3Gb/s bit rates XFI Loopback Mode		
			RoHS-6 Compliant (lead-free)		
			1270nm DFB laser and PIN receiver for 10GXFP23-60LAT		
			1330nm DFB laser and PIN receiver for 10GXFP32-60LAT Power dissipation<2W		
			Single + 3.3V Power Supply		
			Up to 60km transmission on SMF		
			2-wire interface with integrated Digital Diagnostic monitoring EEPROM with Serial ID Functionality		
			Compliant with XFP MSAwith LC connector		

SL	Item Name	Specifications Description		Bidder's Response	Reference Document Name and Page No
1	2	3		4	5
			Case operating temperature : Commercial: 0°C to +70°C		
			Industrial: -40°C to +85°C		
		Applications	10GBASE-BX 10.3125Gb/s Ethernet 10GBASE-BX 9.953Gb/s Ethernet SONET OC-192 SR-1 SDH STM I-64.1		
		Operation Environment	Supply Voltage (Min: +3.14V, Typical: +3.3V, Max: +3.47V)		
			Operating Temperature (Min: 0°C, Max: +70°C)		
		Transmitter	Data Rate: Typical: 10.312, Max: 11.3 Gbps		
			Average Launched Power: Pout = - 5 dBm		
			Average Launched Power (Laser Off): Poff = -30 dBm		
		Receiver	Receiver Sensitivity: Max: -20 dBm		
			Input Saturation Power (Overload): PSAT: Min: -6 dBm		
		Operating Wavelength	Wavelength: 1330nm and 1270nm		

I/We declare to provide offered by me/us fully in compliance with the Technical Specifications and Standards mentioned hereinabove

Signature of Quotationer with Seal	Date: / /
Name of Quotationer	

Note:

1. Col. 1, 2, & 3 to be filled in by the Procuring Entity and Col. 4& 5 by the Quotationer.
2. Specifications are to be filled in by the Procuring Entity. A set of precise and clear specifications is a pre-requisite for Quotations to respond realistically and competitively to the requirements of the Procuring Entity. In the context of competitive Quotations, the specifications shall be prepared to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the Goods and related services to be procured. The specifications should require that all items, materials and accessories to be included or incorporated in the service (s) be new, unused and of most recent or current models, and that they include or incorporate all recent improvements in design and materials.
3. Technical Specifications of the service(s) shall be in compliance with the requirements of the Procuring Entity specified in this document. Quotationer is required to mention make / model (as applicable) of the service offered and must attach the appropriate original printed (if not available copied) literature / brochures for the listed items.

Bangladesh Research and Education Network (BdREN) Trust

BdREN Trust, Level-5, Navana HR Tower-2, 205/1 Bir Uttam Mir Shawkat Sarak,
Tejgaon-Gulshan Link Road, Dhaka- 1208

PURCHASE ORDER
for
Procurement of SFP & XFP Modules for BdREN Network

RFQ No:	**Date:** / /
To: **[name and address of the Supplier]**	
Delivery Date: **[insert completion date]**	**Order Value: TK.** **[insert Contract Price]**
Delivery: As per Terms and Conditions	

The Purchaser has accepted your Quotation dated **[insert date]** for providing product(s) as listed below and requests that you provide product(s) within the delivery date stated above, in the quantities and units in conformity with the Technical Specifications under the Terms and Conditions as annexed.

ORDER ITEMS
Attached Certified photocopy of approved Priced Schedule for the product(s) Attached Certified photocopy of approved Technical Specification of the Product(s) Required Attached Certified photocopy of Terms and Conditions
For the Purchaser: Signature of the Procuring Entity with name and Designation
Date

Attachments: As stated above

Terms and Conditions for
Supply of Goods and Payment

1. Terms and Conditions contained herein shall be binding upon both the Procuring Entity and the Supplier for the purpose of administration and management of this Contract.
2. Implementation and interpretation of these Terms and Conditions shall, in general, be under the purview of the Public Procurement Act, 2006 and the Public Procurement Rules, 2008.
3. The Supplier shall have to complete the delivery in all respects of issuing the Purchase Order in conformity with the Terms and Conditions.
4. The Supplier shall be entitled to an extension of the Delivery Schedule if the Procuring Entity delays in receiving the Goods and related services or if Force Majeure situation occurs or for any other reasons acceptable to the Procuring Entity on justifiable grounds duly recorded.
5. All delivery under the Contract shall at all times be open to examination, inspection, measurements, testing, commissioning, and supervision of the Procuring Entity or his/her authorized representative.
6. The Procuring Entity shall check and verify the delivery made by the Supplier in conformity with the Technical Specifications and notify the Supplier of any Defects found.
7. If the Goods are found to be defective or otherwise not in accordance with the specifications, the Procuring Entity may reject the supplies by giving due notice to the Supplier, with reasons.
8. The Supplier shall be entirely responsible for payment of all taxes, duties, fees, and such other levies under the Applicable Law.
9. Notwithstanding any other practice, the payment shall be based on the actual delivery of goods on the basis of the quantity of each item of Goods in accordance with the Priced Schedule and Specifications. 100% of the Contract price of the Goods and related services shall be paid after submission and acceptance of the Delivery Challan.
10. The Supplier's rates or prices shall be inclusive of profit and overhead and, all kinds of taxes, duties, fees, levies, and other charges to be paid under the Applicable Law.
11. The total Contract Price is BDT **[insert figure] [in words]**
12. The minimum Warranty Period of the Supplies shall be **[insert months; state none if not applicable]** starting from the date of completion of delivery in the form of submission by the Supplier and acceptance by the Procuring Entity, of the Delivery Challan.
13. The Supplier shall remain liable to fulfil the obligations pursuant to Rule 40 (5) of the Public Procurement Rules, 2008.
14. The Supplier shall keep the Procurement Entity harmless and indemnify from any claim, loss of property or life to himself/herself, his/her workmen or staff, any staff of the Procurement Entity or any third party while delivering the Goods and related services.
15. Any claim arising out of delivery of Goods and related services shall be settled by the Supplier at his/her own cost and responsibility.
16. Damage to the Goods during the Warranty Period shall be remedied by the Supplier at the Supplier's own cost, if the damage arises from the supply and installation by the Supplier.
17. No modification to Scope of Supply and no variations to the quantities ordered shall be permissible under any circumstances.
18. **The Procuring Entity contracting shall amend the Contract incorporating required approved changes subsequently introduced to the original Terms and Conditions in line with Rules, where necessary.**
19. The Procuring Entity may, by written Notice sent to the Supplier, terminate the Contract in whole or in part at any time, if the Supplier:
    a. Fails to delivery service(s) as per Delivery Schedule and Specifications.
    b. In the judgement of the Procuring Entity, has engaged in any corrupt, fraudulent, collusive or coercive practices in competing for or in delivery of service(s).
    c. Fails to perform any other obligation(s) under the Contract.
20. The Procuring Entity and the Supplier shall use their best efforts to settle amicably all possible disputes arising out of or in connection with this Contract or its interpretation.
21. The Supplier shall be subject to, and aware of provision on corruption, fraudulence, collusion and coercion in Section 64 of the Public Procurement Act, 2006 and Rule 127 of the Public Procurement Rules, 2008.

For the Purchaser: Signature of the Procuring Entity with name and Designation	**For the Supplier:** Signature of the Supplier with name and Designation
Date	Date