

# BOARD OF INTERMEDIATED EDUCATION, KARACHI



National Competitive Bidding  
Single Stage Two Envelopes Procedure

**STANDARD BIDDING DOCUMENTS FOR**  
**Re-Tender for Procurement of Networking**  
**Accessories & Installation of Network**

## **TECHNICAL PROPOSAL** **VOLUME – I**

In respect of:  
BIE/AG/L&N/1767/2026 dated:  
01/04/2026

Phones: 99260211-12-13 Ext: 130 | Website: [www.biek.edu.pk](http://www.biek.edu.pk)

## NOTICE INVITING TENDERS

Bids invited through E-Pak Acquisition and Disposal System (EPADS) from reputed / established firms / suppliers / contractors, registered with concerned Tax authorities for supply of following goods.

S#	Tender Title	Cost of Bidding Document	Issuance & Deadline of documents date	Deadline for submission	Opening of Bid	Method of Procurement	Bid Security
01	Re-Tender for Procurement of Networking Accessories & Installation of Network	Rs.3,000/=	14.04.2026 10.00AM TO 28.04.2026 12.00 NOON	28.04.2026 at 02:30 PM	28.04.2026 at 03:00 PM	NCB Single Stage Two Envelopes	3% of the estimated cost

The interest bidders can obtain bidding documents containing terms & conditions, can be downloaded from <https://portalsindh.eprocure.gov.pk/#/> or [www.biek.edu.pk](http://www.biek.edu.pk) and the Tender Documents fee @Rs.3,000/= (Non-refundable) must be submitted in shape of pay order in favor of **Secretary, Board of Intermediate Education, Karachi** on any working day as per schedule mentioned above.

The preparation of bids must in accordance with the instructions in the bidding documents and the bids must be submitted on EPADS on or before submission deadline as per schedule mentioned above. Bids should be submitted electronically through EPADS and original Bids must be submitted in Procurement Wing, Administration General Section, Old Building, 1st Floor, Room No.31 before online submission deadline of the Bids. Only those bid will be entertained which is already submitted on EPADS.

All interest bidders must register themselves At EPADS at:  
<https://sindh.eprocure.gov.pk/#/supplier/registration>

In case of unexpected announcement of holiday, unforeseen situation, climate changing & disaster in city, the tender will be opened on next working day on the same venue & time as mentioned above.

The Bid Security in shape of pay order in favor of the **Secretary, Board of Intermediate Education Karachi** in Procurement Wing, Administration General Section, Old Building, 1st Floor, Room No.31 before online submission deadline of the Bids.

The original Bid Security along with the Original Bid (duly signed and stamped) must be delivered to BIE, Karachi on above mentioned address before bid opening schedule.

"The Procuring Agency may reject all or any bid subject to the relevant provision of SPPRA rules".



# BOARD OF INTERMEDIATE EDUCATION, KARACHI

Bakhtiyari Youth Centre, North Nazimabad

## INSTRUCTIONS TO BIDDERS &

### GENERAL CONDITIONS OF CONTRACT:

The Instructions to Bidders and General Conditions of Contract applied in this Contract shall be the same as per Standard Bidding Documents for Goods, issued by SPPRA. For further references the same may be downloaded from SPPRA's website [www.pprasindh.gov.pk](http://www.pprasindh.gov.pk) or it may be provided from this Office if it may be demanded by the bidder. Whenever there is a conflict, the provisions hereafter shall prevail over those in the Instructions to Bidders & General Conditions of Contract.

### BID DATA SHEET

INTRODUCTION	
Name of Contract	Re-Tender for Procurement of Networking Accessories & Installation of Network
Name of Procuring Agency	Board of Intermediate Education, Karachi
Procuring Agency's Address, Telephone, Telex and Facsimile Numbers	Board of Intermediate Education, Bakhtiyari Youth Center North Nazimabad Tel: 99260211, 99260212, 99260213
Language of the Bid	English or Urdu

BID PRICE AND CURRENCY	
The price shall be in Pakistani currency inclusive of all Taxes, Transportation, and Material and Labour charges involved therein.	
During the entire period of bid validity, the price shall be fixed and the bidder will have to supply the required items as per specifications and quoted rates.	

PREPARATION AND SUBMISSION OF BIDS	
Estimated Cost	19.00 Million (Rupees One Crore Ninety Lac Only)
Bid Validity Period	90 days from the date of opening of Tender.
Address for Bid Submission	The office of the Administration General Section (Procurement Wing), 1 <sup>st</sup> Floor, Old Building, Room No.31 Board of Intermediate Education, Karachi.
Deadline for issuance of bidding Documents	<b>From 14-04-2026 10:00 AM to 28-04-2026 12:00PM</b> Sealed bids duly filled-in, mentioning on top of the envelope "Re-Tender for Procurement of Networking Accessories & Installation of Network"
Time, Date and Place for Bid Opening	Bids duly stamped on each document must be submitted electronically through EPADS and original bids in separate sealed cover along with bid security with Financial Proposal must be submitted on or before <b>28-04-2026</b> up to <b>02:30 P.M</b> in the office of the Administration General Section Old Building, 1 <sup>st</sup> Floor, Room NO.31, Board of Intermediate Education, Karachi, and bid will be opened on the same day at <b>03:00 P.M</b> in the presence of bidder's representatives who wish to attend.
Delivery Schedule	The delivery will have to be made at our site within stipulated time as mentioned in the Contract Award. Minimum time period will be at least <b>60 Days</b> after issuance of contract award which may be increased or decreased due to demand of time/situation as per SPPRA Rules.



# BOARD OF INTERMEDIATE EDUCATION, KARACHI

Bakhtiyari Youth Centre, North Nazimabad

## 1. Introduction

Board of Intermediate Education, Karachi (BIEK) invites sealed bids under Single Stage Two Envelope procedure from eligible bidders for the supply, installation, configuration, deployment, testing and commissioning of networks and accessories as per the Bill of Quantities (BOQ) and specifications.

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## 2. Bid Security

Bidder shall submit a **Bid Security of 3% (three percent)** of the Estimated Cost in the form of Pay Order in favour of "Secretary, Board of Intermediate Education Karachi." Bid Security shall remain valid for at least 28 days beyond the bid validity period.

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## 3. Performance Security

The successful bidder shall submit **Performance Security equal to 10% of the Contract Price** in the form of **Pay Order** in favour of "Secretary, Board of Intermediate Education Karachi." Performance Security shall be valid for **90 days beyond the completion of contract** to cover defects liability period.

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**4. Stamp Duty @ 0.35%** of the cost of transaction / Work order will be deposited in Government treasury by the SUPPLIER. This paid Stamp Duty challan would be submitted along with the Bill / Invoice.



## BOARD OF INTERMEDIATE EDUCATION, KARACHI

Bakhtiyari Youth Centre, North Nazimabad

### 5. Technical Evaluation Criteria (Scored)

S.NO.	QUALIFICATION REQUIREMENTS / EVALUATION CRITERIA	MAX MARKS	MARKS SCHEME
1	Years of Establishment of Bidder's Firm.	10	1 to 5 years 5 Marks Above 5 years 10 Marks
2	Authorized Dealer/Distributor status in relevant products.	10	Not Available 00 Marks Available 10 Marks
3	Certified Technical Team (CVs, profiles, certifications).	15	Not Available 00 Marks Available 10 Marks
4	Turn-over of at least last three years having a sum of minimum Rs.60 Million in last 03 years (Copies of financial statements / Audit Report be attached).	20	1 year 5 Marks 2 Year 10 Marks 3 Years & above 20 Marks
5	Number of similar ICT Infrastructure Installations and Deployments.	10	1 to 3 Infrastructure 5 Marks above 3 Infrastructure 10 Marks
6	5 Years' Experience in similar work in Public & Private Sector (Work Order Required).	15	1 to 2 years 5 Marks 3 to 4 years 10 Marks above 5 years 15 Marks
7	Submission of complete technical schematic diagram of proposed work.	15	Not Available 00 Marks Available 15 Marks

Note: Minimum 70% score required for qualification, where rest of 30% is evaluated by IT procurement committee

### 6. Eligibility Criteria (Mandatory)

Bidders must submit:

- Registration with FBR for Income Tax (NTN) and Sales Tax (GST).
- Valid registration with Sindh Revenue Board (SRB).
- Affidavit that firm is not blacklisted and not involved in active litigation in Pakistan.
- Authorization Certificate/Letter of Distributorship for quoted brands.
- Catalogues of quoted items.
- Submission of catalogue along with bidding documents is mandatory bids submitted without catalogue shall be treated as "Non-Responsive".



## BOARD OF INTERMEDIATE EDUCATION, KARACHI

Bakhtiyari Youth Centre, North Nazimabad

### 7. Scope of Work / Technical Specifications

Bidders must supply, installation & configuration plan / diagram, deployment time, test and commission all listed items. All accessories, cabling, racks, patch panels, switches, UPS and other components must be provided with installation, labeling, tagging and complete schematic diagrams and warranty or support.

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### 8. Delivery and Installation

Delivery and installation at BIEK site within **60 days after issuance of contract award** (extendable by mutual consent).

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### 9. Warranty and Maintenance

All equipment must be covered by manufacturer's warranty. Vendor to provide one-year maintenance services with defined response times and spare part availability.

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### 10. Payment Terms

- 100% payment upon complete delivery and acceptance within 30 days.
- Part payment allowed only if approved by Chairman BIEK.
- Taxes, levies, and stamp duty to be borne by Supplier.

### 11. Support Contract with Resource

- After completion of warranty period the procuring agency will do the support contract with the successful bidder for one year with resource engineer 24/7 in office hours for any installed network and its accessories issues rectifications. The contract may be extended according to the performance and service level provided.



BOARD OF INTERMEDIATE EDUCATION, KARACHI  
Bakhtiyari Youth Centre, North Nazimabad

Technical Specifications & Bill of Quantities (BOQ)

S.No	Description	Qty	Unit
1	Corning or Equivalent I/O	450	Item
2	Corning or Equivalent Single shutter Phase plate	70	Item
3	Corning or Equivalent Dual shutter Phase plate	125	Item
4	48 Port Corning or Equivalent Patch Panel loaded	8	Item
5	24 Port Corning or Equivalent Patch Panel loaded	2	Item
6	Corning or Equivalent Cable manager	11	Item
7	Corning or Equivalent Patch Cord 1m	680	Meter
8	Corning or Equivalent Patch Cord Corning or Equivalent	450	Meter
9	Corning or Equivalent Cat6 Giga Cable	28000	Ft
10	Channel Duct		
	16x25	350	Ft
	25x38	450	Ft
	25x25	550	Ft
	40x60	100	Ft
11	Other Accessories for PVC Pipe and Channel Duct	1	Item
12	6U Rack 600X600 with Cooling Fan and One Fix Tray	1	Item
12	6 Core Indoor Fiber Cable	5000	Ft
13	9U Rack 600X600 with Cooling Fan and One Fix Tray	1	Item
14	27u Rack for IT Romm cables management	1	Item
15	SC to SC pigtail	15	Meter
16	4 Port ODF Loaded	5	Item
17	24 Port ODF Loaded	1	Item
18	1" Flexible Pipe	100	Ft
19	¾ " Flexible Pipe	100	Ft
20	1" PVC Pipe	800	Ft
21	SFP Modules	20	Item
22	SC to SC Pigtail	50	Meter
23	8 Port PDU	12	Item
24	8 Port ODF Loaded	10	Item
25	650 VA UPS Stabimatic	12	Item
26	24 Port Giga Switch 4Port SFP	14	Item
26	8 PORT Giga Switch	1	Item
27	48 Port Giga Switch 4 port SFP	5	Item
28	Labor charges of above work	1	Labor
	I/O Punching ,Patch panel making		
	Numbering and Testing both end		
	I/O Punching ,Patch panel making		
	Numbering and Testing both end		
	Labor charges of Fiber		
	Splicing of fiber		
Access controller configuration and Installation			



**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
Bakhtiyari Youth Centre, North Nazimabad

S.No	Description	Qty	Unit
29	Server Rack as per same specs 800 x 1000 (two fixed, One Sliding Tray)	2	Item
30	ACCESS Point Unifi U6 -LR or Equivalent	14	item
31	UPS 6 KVA	1	Item

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
Bakhtiyari Youth Centre, North Nazimabad

<b>SUMMARY OF TURN-OVER OF LAST THREE YEARS</b>		
<b>YEAR-2022-2023</b>	<b>YEAR-2023-2024</b>	<b>YEAR-2024-2025</b>
<b>TOTAL:</b>		

*[Handwritten signatures]*

# CONTRACT AGREEMENT

Tender Title: **Re-Tender Procurement of Networking Accessories & Installation of Network**

This Agreement is executed at Karachi on this \_\_\_ day of \_\_\_ 2026.

## **BETWEEN**

Board of Intermediate Education, Karachi (BIEK), through its Secretary, hereinafter called the "Procuring Agency" (which expression shall, wherever the context so permits, include its legal representatives, executors, successors and assigns) of the FIRST PART;

## **AND**

M/s \_\_\_\_\_, having its registered office at \_\_\_\_\_, Karachi (hereinafter called the "Supplier" which expression shall, wherever the context so permits, include its legal representatives, executors, successors and assigns) of the SECOND PART.

## **ARTICLE I – PURPOSE & SCOPE**

BIEK has awarded to the Supplier the procurement, supply, installation, configuration, deployment, testing and commissioning of Networks & Accessories in accordance with the Technical Proposal and BOQ (Annexure-A).

## **ARTICLE II – CONTRACT DOCUMENTS**

This Agreement consists of the Tender/Bidding Documents, Supplier's Technical Proposal and BOQ, Letter of Award/Purchase Order, Performance Security and Integrity Pact.

## **ARTICLE III – PRICE & TAXES**

The total Contract Price is Rs. \_\_\_\_\_/- (Rupees \_\_\_\_\_ Only) inclusive of all applicable taxes, levies, freight, insurance, labour, installation and incidental charges. All taxes, duties, stamp duty and levies shall be borne by the Supplier.

## **ARTICLE IV – BID & PERFORMANCE SECURITY**

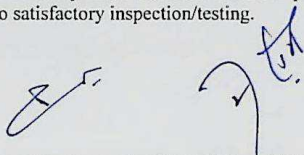
Bid Security equal to 3% of the Estimated Cost.

Performance Security equal to 10% of the Contract Price to be provided within 7 days of signing.

Valid 90 days beyond completion to cover defects liability.

## **ARTICLE V – DELIVERY, INSTALLATION & ACCEPTANCE**

Supplier shall deliver and complete installation/commissioning within 30 days of issuance of Purchase Order, extendable by mutual consent. Delivery shall be made at BIEK premises against triplicate delivery challans. Acceptance subject to satisfactory inspection/testing.



## **ARTICLE VI – WARRANTY & MAINTENANCE**

All equipment supplied shall carry manufacturer's warranty. Supplier shall provide one-year maintenance services post-installation at no additional cost.

## **ARTICLE VII – PAYMENT TERMS**

100% of the Contract Price on complete delivery and acceptance within 30 days on submission of invoice supported by Acceptance Certificate. Part payment on part supply only when approved by Chairman BIEK. Deduction of income/sales tax at source as per law.

## **ARTICLE VIII – LIQUIDATED DAMAGES & PENALTIES**

In case of delay, liquidated damages @ 0.5% per day of the contract value up to a maximum of 10% shall be imposed. Inferior or substandard items will be rejected; Security Money may be forfeited and Supplier may be blacklisted.

## **ARTICLE IX – VARIATION / ADDITIONAL WORK**

BIEK may, at any time during performance, request changes in scope. Any price/time adjustments shall be mutually agreed in writing before execution.

## **ARTICLE X – INTEGRITY PACT**

Supplier undertakes that no bribe, commission, gratification, or kickback has been given or shall be given. Any false declaration will make the contract void; Supplier shall indemnify BIEK for any loss/damage incurred on account of corrupt practices.

## **ARTICLE XI – DISPUTE RESOLUTION**

Any dispute arising under this Agreement shall be amicably resolved; if unresolved, it shall be referred to arbitration in accordance with the Arbitration Act, 1940 and SPPRA Rules. Venue: Karachi, Pakistan. Language: English.

## **ARTICLE XII – TERMINATION**

BIEK may terminate this Agreement by giving 15 days' written notice if the Supplier fails to execute the job according to the requirements. In the event of termination, Performance Security shall be forfeited.

## **ARTICLE XIII – INDEMNITY**

The Supplier shall indemnify and keep BIEK harmless from and against all damages, losses, claims or expenses caused by any defect in the goods, negligence, omission or misconduct of the Supplier.

## **ARTICLE XIV – NOTICES**

All notices under this Agreement shall be in writing and sent by registered mail/courier to the addresses of BIEK and the Supplier.

**ARTICLE XV - STAMP DUTY**

Stamp Duty @0.35% of the cost of transaction / Work order will be deposited in Government treasury by the SUPPLIER. This paid Stamp Duty challan would be submitted along with the Bill / Invoice

**ARTICLE XV – VALIDITY**

This Agreement shall come into force from the date of issue of Purchase Order and remain valid until completion and defects liability period.

“Board of Intermediate Education, Karachi”

M/s. \_\_\_\_\_

NAME: \_\_\_\_\_

NAME: \_\_\_\_\_

CNIC# \_\_\_\_\_

CNIC # \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

**WITNESS: 1**

**WITNESS: 2**

NAME: \_\_\_\_\_

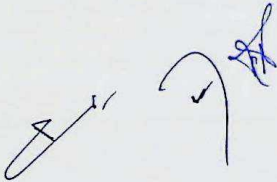
NAME: \_\_\_\_\_

CNIC# \_\_\_\_\_

CNIC # \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_



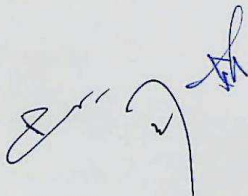
# INTEGRITY PACT

Declaration of Charges, Fees, Commission, Taxes, Levies etc payable by the contractor;  
M/s \_\_\_\_\_, the contract hereby declares that:

- (a) Its intention not to obtain the procurement work of any Contract, right, interest, privilege, or other obligation or benefit from the BIEK or any administrative or financial offices thereof or any other department under the control of the BIEK through any corrupt practice(s).
- (b) Without limiting the generality of the forgoing the contractor represents and warrants that it has fully declared the charges, fees, commission, taxes, levies etc, paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within the BIEK directly or indirectly through any means any commission, gratification, bribe, gifts, kickback whether described as consultation fee or otherwise, with the object of obtaining or including the procurement or service contract or order or other obligations whatsoever from the BIEK, except that which has been expressly declared pursuant hereto.
- (c) He contractor accepts full responsibility and strict liability for making any false declaration/statement, not making full disclosure, misrepresenting facts or taking any action likely to degrade the purpose of declaration, representation and warranty. It agrees that any contract/order obtained aforesaid shall without prejudice to any other right & remedies available to the BIEK under any law, contract, or other instrument, be stand void at the discretion of the BIEK.
- (d) Notwithstanding any right and remedies exercised by the BIEK in this regard, contractor agrees to indemnify the BIEK for any loss or damage incurred by it on account of its corrupt business practice & further pay compensation to the BIEK in any amount equivalent to the loss of any commission, gratification, bribe, gifts, kickback given by the contractor as aforesaid for the purpose of obtaining or inducing procurement/ work/ service or other obligation or benefit in whatsoever from the BIEK.

**Note:**

This integrity pact is mandatory requirement other than auxiliary services / works.



\_\_\_\_\_  
Stamp & Signature



**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
Bakhtiyari Youth Centre, North Nazimabad

**BIDDER'S CERTIFICATE**

I/We have carefully read & understood the Terms & Conditions whatever has been stated herein the enclosed pages and abide to the same. I/We guarantee to supply/deliver/install the items exactly in accordance with the requirements and enclosed the Bid Security payable to Board of Intermediate Education, Karachi.

NAME OF FIRM: \_\_\_\_\_

ADDRESS OF FIRM: \_\_\_\_\_

\_\_\_\_\_

FULL NAME OF CONCERNED PERSON: \_\_\_\_\_

CNIC NUMBER: \_\_\_\_\_

POSITION HELD IN: \_\_\_\_\_

PHONE NUMBER(S): \_\_\_\_\_

MOBILE NUMBER(S): \_\_\_\_\_

FAX NUMBER(S): \_\_\_\_\_

NATIONAL TAX NUMBER: \_\_\_\_\_

GENERAL SALES TAX NUMBER: \_\_\_\_\_

PAY ORDER NUMBER: \_\_\_\_\_

BANK & BRANCH NAME: \_\_\_\_\_

SIGNATURE WITH DATE: \_\_\_\_\_

# BOARD OF INTERMEDIATED EDUCATION, KARACHI



National Competitive Bidding  
Single Stage Two Envelopes Procedure

**STANDARD BIDDING DOCUMENTS**

Re-Tender for Procurement of  
Networking Accessories & Installation  
of Network

**FINANCIAL PROPOSAL**  
**VOLUME – II**

In respect of:  
BIE/AG/L&N/1767/2026 dated:  
01/04/2026

Phones: 99260211-12-13 Ext: 130 | Website: [www.biek.edu.pk](http://www.biek.edu.pk)

## BID SUBMISSION SHEET

Date: \_\_\_\_\_

ICB NO.: \_\_\_\_\_

Invitation for Bid No.: \_\_\_\_\_

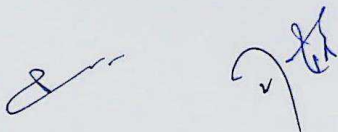
Alternative No.: \_\_\_\_\_

**The Superintendent (Administration General)**  
**Board of Intermediate Education,**  
**North Nazimabad,**  
**KARACHI**

We, the undersigned, declare that:

We have examined and have no reservations to the Bidding Document, including Addenda No.: \_\_\_\_\_;

- (a) We offer to supply in conformity with the Bidding Document and in accordance with the delivery schedule specified in the Schedule of Supply, the Goods and Related Services.
- (b) The total price of our Bid, excluding any discounts offered in item (d) below is: Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_);
- (c) The discounts offered and the methodology for their application are:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- (d) Our Bid shall be valid for a period of 90 days from the date fixed for the bid submission deadline in accordance with the Bidding Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) If our Bid is accepted, we commit to obtain a Performance Security @ 10% of the Contract Price for the due performance of the Contract;
- (f) Our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities from these eligible countries; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_;
- (g) We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- (h) Our firm, its affiliates or subsidiaries, including any subcontractors or suppliers for any part of the contract, has not been declared ineligible by the Government;



- (i) The following commissions, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract:

<u>Name of Receipt</u>	<u>Address</u>	<u>Reason</u>	<u>Amount</u>
_____	_____	_____	_____
_____	_____	_____	_____

(If none has been paid or is to be paid, indicate "none.")

- (j) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed.
- (k) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

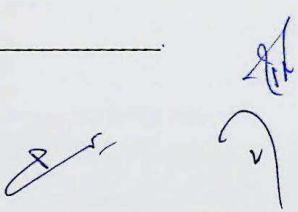
Name \_\_\_\_\_

(l) In the capacity of \_\_\_\_\_

(m) Signed \_\_\_\_\_

(n) Duly authorized to sign the security for and on behalf of \_\_\_\_\_

Date \_\_\_\_\_



Handwritten signatures and initials in blue ink, including a large signature on the left and a smaller one with a checkmark on the right.



BOARD OF INTERMEDIATE EDUCATION, KARACHI  
Bakhtiyari Youth Centre, North Nazimabad

**FINANCIAL PROPOSAL**  
**PROCUREMENT OF NETWORKING ACCESSORIES &**  
**INSTALLATION OF NETWORK**

The items are needed with installation and commissioning, please quote the accessories price and installation price separately.

S.No	Description	Qty.	Unit	Rate (Inclusive all taxes)	Amount
1	Corning or Equivalent I/O	450	Item		
2	Corning or Equivalent Single shutter Phase plate	70	Item		
3	Corning or Equivalent Dual shutter Phase plate	125	Item		
4	48 Port Corning or Equivalent Patch Panel loaded	8	Item		
5	24 Port Corning or Equivalent Patch Panel loaded	2	Item		
6	Corning or Equivalent Cable manager	11	Item		
7	Corning or Equivalent Patch Cord 1m	680	Meter		
8	Corning or Equivalent Patch Cord Corning or Equivalent	450	Meter		
9	Corning or Equivalent Cat6 Giga Cable	28000	Ft		
	Channel Duct				
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	40x60	100	Ft		
11	Other Accessories for PVC Pipe and Channel Duct	1	Item		
12	6U Rack 600X600 with Cooling Fan and One Fix Tray	1	Item		
12	6 Core Indoor Fiber Cable	5000	Ft		
13	9U Rack 600X600 with Cooling Fan and One Fix Tray	1	Item		
14	27u Rack for IT Romm cables management	1	Item		
15	SC to SC pigtail	15	Meter		
16	4 Port ODF Loaded	5	Item		
17	24 Port ODF Loaded	1	Item		
18	1" Flexible Pipe	100	Ft		
19	¾ " Flexible Pipe	100	Ft		
20	1" PVC Pipe	800	Ft		
21	SFP Modules	20	Item		

22	SC to SC Pigtail	50	Meter		
23	8 Port PDU	12	Item		
24	8 Port ODF Loaded	10	Item		
25	650 VA UPS Stabimatic	12	Item		
26	24 Port Giga Switch 4Port SFP	14	Item		
26	8 PORT Giga Switch	1	Item		
27	48 Port Giga Switch 4 port SFP	5	Item		
28	Labor charges of above work	1	Labor		
	I/O Punching ,Patch panel making				
	Numbering and Testing both end				
	I/O Punching ,Patch panel making				
	Numbering and Testing both end				
	Labor charges of Fiber				
	Splicing of fiber				
29	Server Rack as per same specs 800 x 1000 (two fixed, One Sliding Tray)	2	Item		
30	ACCESS Point Unifi U6 -LR or Equivalent	14	item		
31	UPS 6 KVA	1	Item		
<b>GRAND TOTAL=</b>					

**NOTE:**

The successful bidder should have to provide the complete schematic diagram of whole network, in respect of building, rooms of cable tagging, switch labeling and patch panel labelling with accessories warranty and time period.

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**BOARD OF INTERMEDIATE EDUCATION, KARACHI**  
Bakhtiyari Youth Centre, North Nazimabad

	<b>Rupees In Words</b>	<b>Rupees In Figures</b>
Total cost of the Bid: <i>(as offered by the Bidder)</i>		
<b>3% (Three percent)</b> amount of the Estimated Cost Bid Security (Refundable)		
<b>10% (ten percent)</b> amount of the Contract Price Performance Security (Refundable)		

*(Handwritten signatures and marks)*