



BIDDING DOCUMENT

FOR

PROVISIONING OF UPS ELECTRICAL POWER AND NETWORK

INFRASTRUCTURE WITH MATERIAL & WORKMANSHIP.

Business Support Services Department

State Bank of Pakistan

August, 2009

Preface

Rule 23 of Public Procurement Rules requires procuring agencies to formulate bidding documents that shall be made available to the bidders immediately after the publication of the invitation to Quotation. Use of these documents is mandatory for either open or limited bidding.

Document comprises of the Sections listed below:

Section I	Invitation to Quote
Section II	Instruction for Preparing Quotations
Section III	Specifications
Section IV	Form of Quotation
Section V	Form of Contract Agreement
Section VI	General Conditions of Contract
Section VII	Special Conditions of Contract

Section 1



Invitation for Quotations (IFQ)

REF: IFQ. No. BSSD (Proc)/ 158 / F-1-Network-ISTD-2009 August 18, 2009

The State Bank of Pakistan (SBP) intends to have services for “**Provisioning of UPS Electrical Power and Network Infrastructure with Material & Workmanship**”.

1. UPS Electrical Power and Network Infrastructure with Material & Workmanship “at 4th Floor, Subsidiary House, State Bank of Pakistan, Banking Services Corporation, Karachi for which sealed quotations are invited from Income / Sales Tax Registered Authorized Agents of Manufacturers. As per specification mentioned at annexure A.
2. Bidding will be conducted using the National Competitive Bidding procedures specified in the Public Procurement Rules 2004 (PPR 2004) and is open to all eligible Bidders as defined in the PPR-2004 that meet the following minimum qualification criteria:
3. Bidders must have at least five years of experience in providing service of similar to above mentioned. Documentary evidence, inter-alia, Authorized Dealership Certificate (where applicable), must be provided with the quotation.
4. The bidders are requested to give their best prices. The rates quoted must remain valid for a period of ninety days after opening of quotations.
5. The quotation should be accompanied by adequate technical documentation and catalogue(s) and other printed materials or pertinent information for the quoted products/material,
6. Bidder must quote for entire package. All quotations must accompany a Bid Security of 2% of the quote. Quotations not submitted on prescribed format, without Bid Security or received late, will be rejected.
7. Quotations must be delivered on or before **September 04, 2009** at 10.00 hours. Quotations will be opened in the presence of bidders’ representatives who choose to attend at 10.30 Hours same day at the Conference Room, 10th Floor, State Bank of Pakistan, I.I Chundrigar Road Karachi.

Rehan Hyder
Co-Director
(Business Support Services Department)
Procurement Division
State Bank of Pakistan
I.I Chundrigar Road Karachi
Tel :021-2455909 Fax:021-9212517

Section II

Instructions for Preparing Quotations

1. **Scope of Procurement:** Business Support Services Department, as the representative of Purchaser, invites Quotations for procurement of procure **“Provisioning of UPS Electrical Power and Network Infrastructure with Material & Workmanship”**. as described in the Technical Specifications attached hereto. The successful bidder will be expected to complete the delivery by the Required Completion Date specified in the CC.
2. **Eligibility to Bid:** Bidders who are Income / Sales Tax Registered and Authorized Agents of Manufacturers (where applicable) are eligible to participate only if they are also:
 - a) Submit Proof of registration with the Income / Sales Tax authorities with the quotations. (Failure to enclose these documents would result in rejection of Quotations)
 - b) Not blacklisted under the provision of Rule 19 of Public Procurement Rules 2004
 - c) Submit only one Quotation, either individually, or as a partner in a joint venture. All quotations submitted in violation of this rule shall be rejected. Partners in a joint venture shall be jointly and severally liable for the execution of the Contract.
 - d) Enclose attested copy of valid **Dealership Certificate** for current year up to 2009
3. **Qualification of the Bidder:** To qualify for award of the Contract, a Bidder shall meet the following minimum qualifying criteria:
 - a) Bidders must have at least five years of experience in service providing similar to these mentioned above. Documentary evidence, inter-alia, Authorized Dealership Certificate must be provided with the quotation.
5. **Contents of Bidding Documents:** The set of Bidding Documents comprises the Sections listed below:

Section I	Invitation to Quotations
Section II	Instruction for Preparing Quotations
Section III	Specifications
Section IV	Form of Quotations
Section V	Form of Contract Agreement,
Section VIII	Conditions of Contract
6. **Documents Comprising the Quotations:** The Quotations submitted by the Bidder shall comprise the following documents:
 - (i) Form of Quotation (as per sample attached) (ii)
 - (ii) Qualification and Experience Information
 - (iii) Copies of taxation documents
 - (iv) Manufacturer's Authorization (currently valid)
7. **Quotation:** The Contract shall be for the whole supplies as described in Clause 1 of the Invitation and shall be based on the unit and total price for fixed unit rate contract inclusive of 16% Sales Tax (*as per prevailing rate*) Prices shall be quoted entirely in Pak Rupees. All duties, taxes and other levies payable by the Bidder under the Contract or any other cause, as of the date fifteen (15) calendar days prior to the deadline for the submission of Quotations, shall be included in the rates, prices, and total Bids submitted by the Bidder.
8. **Validity of Quotation:** The price Quotation shall remain valid for the period of ninety (90) calendar days counted from the date of submission of the quotations specified in Clause 11 below. The Purchaser may request the Bidders to extend the period of validity for a specified additional period. The Purchaser's request and the Bidders' responses shall be made in writing or by fax or by email. A Bidder may refuse the request for extension of Quotation validity in which case he may withdraw his Quotation without any penalty. A Bidder agreeing to the request will not be required or permitted to otherwise modify its Quotation.
9. **Language of the Quotation:** All documents relating to the Quotation and contract shall be in the English language.
10. **Preparation and Sealing of Quotation:** The Bidder shall prepare one original of the documents comprising the Price Quotation as described in Clause 6 above, with the Form of

Quotation, and clearly marked "Original". In addition, the Bidder shall also submit one copy, which shall be clearly marked as "COPY". In the event of discrepancy between them the original shall prevail. The original and the copy of the Price Quotation shall be signed by a person or persons duly authorized to sign on behalf of the Bidder. All the pages of the Quotation where entries or amendments or corrections have been made shall be initialed by the person or persons signing the Quotation. Sealed Quotation shall be addressed to the Purchaser at the address provided above and shall provide a warning not to open before the specified time and date for Bids opening as defined in Clause 7 of Invitation to Quotation. If the envelope is not sealed and marked as above, the Purchaser will assume no responsibility for the misplacement or premature opening of the Quotation.

11. Place and Deadline for Submission of Quotation: The Price Quotation shall be delivered to the Purchaser **NO LATER than September 04, 2009 at 10.00 hours at the address given in Paragraph 3 of the Invitation to Quotation.** Any Quotation received by the Purchaser after the deadline prescribed in this clause will be returned unopened to the Bidder.

12. Modification and Withdrawal of Quotation: No Quotation shall be modified after the deadline for submission of Quotation specified above in Clause 11. Withdrawal of a Quotation between the deadline for submission of Quotation and the expiration of the validity of the Quotation as specified in Clause 8 above will result in the Bidder being excluded from the list of Bidders for a period of two years.

13. Opening of Quotations: The Purchaser will open the Quotation, including modifications, in the presence of the Bidders' representatives who choose to attend, at the time, date, and in the place specified in Paragraph 6 of the Invitation to Quotation. The Bidders' names, the Quotation (Bid) prices, the total amount of each Quotation (Bid), any discounts, and Quotation modifications and withdrawals will be announced by the Purchaser at the Quotation opening.

14. Process to be Confidential: Information relating to the examination, clarification, evaluation and comparison of Quotation and recommendation for the contract award shall not be disclosed until the award to the successful Bidder has been announced. Results of the evaluation would be made known in reasonable time.

15. Evaluation and Comparison of Quotations: The Purchaser will award the Contract to the Bidder whose Quotation has been determined to be substantially responsive to the proposal documents and who has offered the lowest evaluated Quotation. In evaluating the Quotation, the Purchaser will determine for each proposal the evaluated Quotation by adjusting the Quotation by making any correction for any arithmetic errors as follows:

- (a) where there is a discrepancy between amounts in figures and in words, the amount in words will govern;
- (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern;
- (c) if a Bidder refuses to accept the correction, his Quotation will be rejected.

16. Purchaser's Right to Accept Any Quotation and to Reject any or all Quotation: The Purchaser reserves the right to accept or reject any Quotation, and to cancel the process of competition and reject all Quotation, at any time prior to the award of the Contract, without thereby incurring any liability to the affected Bidder(s) or any obligation to inform the affected Bidder(s) of the grounds for the Purchaser's decision.

17. Purchaser's Right to Increase or Decrease Quantities: The Purchaser, reserves the right to increase or decrease quantities of supplies

18. Notification of Award and Signing of Contract: Results of evaluation would be known in a reasonable time, Bidders are instructed not to approach the Purchaser after opening of Quotations until the finalization of award. The Bidder whose Quotation has been accepted will be notified of the award by the Purchaser prior to the expiration of the validity period of the Quotation by registered letter. This letter will state the sum that the Purchaser will pay the Bidder in consideration of the supply, installation, and commissioning of the Supplies by the Bidder as prescribed by the Contract. The written notification of award will constitute the formation of the Contract.

19. Quotation Submitted without Quotation Form will be rejected.

Section III

Specifications

- * *Bank reserves the right to accept or reject any model/brand /solution depending upon its requirements and any such decision will be final and could not be challenged.*

Technical Specifications of the Procurement

“Provisioning of UPS Electrical Power and Network Infrastructure with Material & Workmanship”, please see Annexure “D”

Warranty should cover replacement or repair of the goods or work or both, as the conditions prevail, within 48 hours of the failure.

Section IV

Form of Quotation

_____ (Date)

To: _____ (Purchaser's Name)

_____ (Purchaser's Address)

We offer to execute the Contract for **“Provisioning of UPS Electrical Power and Network Infrastructure with Material & Workmanship”**, in accordance with the Conditions of Contract accompanying this Quotation for the Contract Price of _____ (amount in words and numbers) (_____). We propose to complete the Supplies described in the Contract within a period of _____ words and number) _____ calendar days from the Start Date.

This Quotation and your written acceptance will constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any Quotation you receive.

We hereby confirm that this Quotation complies with the Validity of the Quotation required by the proposal documents.

Authorized Signature: _____

Name and Title of Signatory _____

Name of Supplier: _____

Address: _____

Phone Number _____

Fax Number, if any _____

Section V

Form of Contract Agreement

AGREEMENT

This Agreement, made this _____ day of _____ 2009_____, by and between ___

_____ (name and address of Purchaser hereinafter called “the Purchaser”) and

_____ (name and address of Supplier hereinafter called “the Supplier”) of the other part.

Whereas the Purchaser is desirous that the Supplier execute supplies, of

_____ (name and identification number of Contract hereinafter called “the Supplies”) and the Purchaser has accepted the Quotation submitted by the Supplier for the installation and commissioning of such Supplies *and the remedying of any defects therein over a warranty period of at least one year after supply.*

Now this Agreement witnesseth as follows:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to execute and complete the Supplies and remedy any defects therein in conformity in all respects with the provisions of the Contract.
3. The Purchaser hereby covenants to pay the Supplier in consideration of the supply, installation and commissioning of the Supplies and the remedying of defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS WHEREOF, the Parties hereto have caused this Contract to be signed in their respective names as of the day and year first above written.

For and on behalf of State Bank of Pakistan, Karachi

[Authorized Representative]

For and on behalf of _____ (Service Provider).

[Authorized Representative]

[**Note:** If the Service Provider consists of more than one entity, all these entities should appear as signatories, e.g., in the following manner:]

For and on behalf of each of the Members of the Service Provider

[name of member] _____

[Authorized Representative’s Signature] _____

[name of member] _____

[Authorized Representative’s Signature] _____

Section-VI

General Conditions of Contract (CC)

1. **Definitions:** Boldface type is used to identify the defined terms
 - a. **The Contract** is the Contract between the Purchaser and the Supplier to execute, complete, and maintain the Supplies as specified in the Form of Contract or in other sections of the Contract.
 - b. The **Purchaser** means the organization purchasing the Goods and Work, as named in Form of Contract
 - c. **The Supplier** is a person or corporate body whose Bid to carry out the Supplies has been accepted by the Purchaser and is named in the Form of Contract.
 - d. **The Supplier's Quotation** is the completed document (Invitation to Quotation together with attachments) submitted by the Supplier to the Purchaser.
 - e. **The Contract Price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.
 - f. **Days** are calendar days; **months** are calendar months.
 - g. **A Defect** is any part of the Supplies not completed in accordance with the Contract.
 - h. **Specification** means the Specification of the Supplies included in the Contract and any modification or addition made or approved by the Purchaser.
 - i. **The Site** is stated in SCC: where supplies are to be made on working day except Sunday at Supplier's expense.
2. **Scope.** The Supplier would provide supplies on the basis of supplies listed at Schedule of Requirements at Appendix-I, or any other requirements pursuant to GCC-9 hereto, during the period of the contract.
3. **Communications.** Communications between parties that are referred to in these Conditions shall be effective only when made in writing. A notice shall be effective only when it is delivered to addresses specified in Form of Contract
4. **Language and Law.** The Contract shall be in the English language. The law governing the Contract shall be the applicable law(s) of the Government of Islamic Republic of Pakistan and other requirements as listed at SCC
5. **Performance Security:**
 - 5.1 Within fifteen (15) days of receipt of the notification of Contract award, the successful Bidder shall furnish to the Purchaser the Performance Security in the amount specified in SCC.
 - 5.2 The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
 - 5.3 The Performance Security shall be denominated in the currency of the Contract acceptable to the Purchaser and shall be an unconditional bank guarantee issued by a reputable bank located in the Purchaser's country, in the form provided in the bidding documents.
 - 5.4 The Performance Security will be discharged by the Purchaser and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.
6. **Payments.** The method and conditions of payment to be made to the Supplier under this Contract shall be specified in SCC.
 - 6.1 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods and Work delivered and upon fulfillment of other obligations stipulated in the Contract.
 - 6.2 Payments shall be made promptly by the Purchaser, but in no case later than sixty (60) days after submission of an invoice or claim by the Supplier.
7. **Taxes.** The Supplier is responsible for all taxes in accordance with the laws of Islamic Republic of Pakistan. Production of Sales Tax Invoice would be mandatory for receiving payments under contract.

8. Price Adjustment. Prices charged by the Supplier for Goods and Work delivered under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in SCC.

9. Change Orders

9.1 The Purchaser may at any time, by a written order given to the Supplier, make changes within the general scope of the Contract in any one or more of the following:

- (a) Quantities, Specifications or Plan;
- (b) The method of Packing, Shipment or Completion;
- (c) The Place of Delivery; and/or Work Plan

9.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within fifteen (15) days from the date of the Supplier's receipt of the Purchaser's change order.

10. Amendment. Subject to GCC Clause 9, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties

11. Warranty.

11.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models and those they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods and Work supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Purchaser's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods and Work in the conditions prevailing in the country of final destination.

11.2 This warranty shall remain valid for twelve (12) months after the Goods and Work, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC

12. Inspections & Tests

12.1 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their compliance to the Contract specifications at no extra cost to the Purchaser. The Purchaser shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

12.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, to the inspectors at no charge to the Purchaser.

13. Supplier's Risks. The risks of personal injury, death, and loss or damage to property and adjacent property (including, without limitation, the Supplies, materials and equipment) are Supplier's risks.

14. Liquidated Damages. Subject to GCC Clause 16, if the Supplier fails to deliver any or all of the Supplies within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods and Work for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 24

15. Quality of Supplies & Penalties: No variation in quality/substance etc. from approved sample will be allowed. In case of delayed/defective supply or non-supply, a suitable penalty will be imposed or Purchased Order would be cancelled in part or in full. The Purchaser will recover the cost of items with substandard quality i.e. other than original/ genuine quality, from Performance Security. The name of such Suppliers may also be posted on website of the Bank for information of all Procuring Agencies

16. Force Majeure: Either party may terminate the Contract by giving a thirty (30) days `notice to the other for events beyond that party's control, such as Wars and acts of God such as earthquakes, floods, fires, etc.

17. Termination.

17.1 Termination for Default. The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:

- (a) if the Supplier fails to deliver any or all of the Goods and Work within the period(s) specified in the Contract; or
- (b) if the Supplier fails to perform any other obligation(s) under the Contract.

- (c) if the Supplier, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices, as defined at Rule 19 of PPR2004, in competing for or in executing the Contract.
- (d) if the Supplier becomes bankrupt or otherwise insolvent

17.2 Termination for Convenience .The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective

18. Resolution of Disputes. The Purchaser and the Supplier shall make every effort to resolve amicably by direct negotiations any disagreement or dispute arising between them under or in connection with the Contract. In case of further disagreement either party can take the matter to arbitration in accordance with the Arbitration Act of 1940. However such proceedings cannot initiate till 45 days of the notification of disagreement

Section-VIII

Special Conditions of Contract

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

1. Definitions (GCC Clause 1)

GCC 1 (i)—The Purchaser's site is: Subsidiary House, State Bank of Pakistan, Karachi.

2. Applicable Law & Language (GCC Clause 4)

GCC 4- The other legislative requirements are as follows:

The Employment of Children (ECA) Act 1991
The Bonded Labor System (Abolition) Act of 1992
The Factories Act 1934

3. Performance Security (GCC Clause 5) For items 1 and 3

GCC5.1—the amount of Performance Security, as a percentage of the Contract Price, shall be: Ten Percent (10 %) of the Contract Price, which will be reduced in proportion to the completed supplies

4. Payment (GCC Clause 6)

Payment for Goods supplied and Work Discharged:

Payment shall be made in Pak. Rupees in the following manner:

- (i) **On Delivery:** Fifty percent (50%) after delivery of the total material
- (ii) **On Acceptance:** Fifty percent (50%) after successful installation, testing & functioning of equipment upon Acceptance Certificate issued by the Purchaser.

5. Price Adjustment (GCC Clause 8)

GCC 8—Prices shall be adjusted if following conditions exists:

Change in legislation insofar it directly impacts the prices from the level they existed 15 days prior to the Quotation opening

6. Warranty (GCC Clause 11)

Sample provision

GCC 11.2—In partial modification of the provisions, the warranty period shall be _____ hours of operation or _____ months from date of handing over of the Work. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract. If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, either:

- (a) *make such changes, modifications, and/or additions to the Goods or Work or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with GCC 12,*

7. Liquidated Damages (GCC Clause 14)

GCC 14—Applicable rate: One-half (0.5) percent per week

Maximum deduction: Ten (10) percent of the Contract Price

Technical Specifications

1. The quantities are estimated and the Prices must be quoted for the same quantities and specifications.
2. However, the bidders should mention unit price of each of the item to ascertain the cost of material actually used and deployed for the required infrastructure.
3. The bidders should also mention lump sum charges of services to supply, install, integration, testing and bring in operation.
4. The bidders are required to mention explicitly all the applicable taxes.

Site : Subsidiary House, SBP,BSC,HO 4th Floor, I. I. Chundrigar Road, Karachi.					
Category	S. #	Item	Technical Specification	Preferred Brand/Make	Estimated Required Qty in numbers or feet
Data	1	Comm Rack	42U with Glass door, Perforated free standing deluxe Rack with Cable Tray, 3 x Fixed trays, 1 x Sliding Tray, 4 x Fan fixed, cage nuts, wheels and lock for cabinet.	Good Quality Locally made,	1
	2	Power extensions	4 x Flat pin British type connection	Clipsal, ABB	3
	3	Enclosed Data cables Rolling box behind Comm Rack	1ft(Height)x3ft(Width)x2ft(breadth)	Good Quality Local made	1
	4	Channel Duct Floor (UTP Backbone)	2.5 mm X 2.5 mm	Adamjee	180
	5	Fiber B/B Termination	16 Cores SC-SC	With testing results	16
	6	Switch without Fiber Module	24 ports Ethernet/Fast Ethernet 10/100 auto sensing manageable switch with stacking/cascading & security support (with 1 year warranty)	3Com, Cisco, HP, Nortel, Extreme, Avaya	5
	7	UTP Patch Cord	Certified CAT6 3/4 ft, colored (preferably different colors)	AMP, Avaya, 3M, Systemax, Ortronics, belden	180
	8	UTP Patch Panel	Certified CAT6, 24 ports	AMP, Avaya, 3M, Systemax, Ortronics, Belden	8
	9	UTP Cable Management	Certified CAT6, 24 ports	AMP, Avaya, 3M, Systemax, Ortronics, Belden	8
	10	UTP Cable	Certified CAT6, 1000 feet per box	AMP, Avaya, 3M, Systemax, Ortronics, Belden	30
	11	Flexible PVC Pipe (UTP Cable)	1 inch	Good Quality Locally made	180
	12	UTP Data I/O with dual face plate	Certified CAT6	AMP, Avaya, 3M, Systemax, Ortronics, Belden	180
	13	UTP Drop Cords	Certified CAT6 9/10 ft	AMP, Avaya, 3M, Systemax, Ortronics, Belden	180
UPS Power	1	UPS Power Distribution Board	Distribution Box with circuit breakers 48x16A DP, 1x 40A TP, with good quality indication lamps, earth & neutral strips and wiring using proper lugs as per entire satisfaction of SBP engineers.	Good Quality Fabrication of DB, all MCBs are of MG brand C60N C curve 10KA model. MCCB is of MG easy Pact series 15KA.	1
	2	Single core Power Cable 2.5sq.mm	Required for DB to 180 UPS power outlet sockets wiring. Red/Black/Green. 4 points/Circuit (45 circuits)	Pakistan Cables	66 coils
	3	PVC Pipe (For temperature probe) will be installed from 2nd Floor to 4th Floor	1 inch	Adamjee, Dura, Nawab	200
	4	UPS Power outlets (Dual Sockets)	2*13Amps British type 3 flat pin power sockets	Clipsal	180

Financials Must be Quoted in following Format

Site		Subsidiary House, SBP,BSC,HO 4th Floor, I. I. Chundrigar Road, Karachi.					
No. of Network Nodes							
No. of UPS Points							
Category	S. #	Item	Technical Specification	Quoted Brand/Make	Estimated Required Qty in numbers or feet	Estimated Unit Cost in Rs	Estimated Total Cost in Rs
Data	1	Comm Rack	42U with Glass door, Perforated free standing deluxe Rack with Cable Tray, 3 x Fixed trays, 1 x Sliding Tray, 4 x Fan fixed, cage nuts, wheels and lock for cabinet.		1		
	2	Power extensions	4 x Flat pin British type connection		3		
	3	Enclosed Data cables Rolling box behind Comm Rack	1ft(Height)x3ft(Width)x2ft(breadth)		1		
	4	Channel Duct Floor (UTP Backbone)	2.5 mm X 2.5 mm		180		
	5	Fiber B/B Termination	16 Cores SC-SC		16		
	6	Switch without Fiber Module	24 ports Ethernet/Fast Ethernet 10/100 auto sensing manageable switch with stacking/cascading & security support (with 1 year warranty)		5		
	7	UTP Patch Cord	Certified CAT6 3/4 ft, colored (preferably different colors)		180		
	8	UTP Patch Panel	Certified CAT6, 24 ports		8		
	9	UTP Cable Management	Certified CAT6, 24 ports		8		
	10	UTP Cable	Certified CAT6, 1000 feet per box		30		
	11	Flexible PVC Pipe (UTP Cable)	1 inch		180		
	12	UTP Data I/O with dual face plate	Certified CAT6		180		
	13	UTP Drop Cords	Certified CAT6 9/10 ft		180		
Estimated Cost (Data)							
16% GST							
Total Cost for Data setup							
UPS Power	1	UPS Power Distribution Board	Distribution Box with circuit breakers 48x16A DP, 1x 40A TP, with good quality indication lamps, earth & neutral strips and wiring using proper lugs as per entire satisfaction of SBP engineers.		1		
	2	Single core Power Cable 2.5sq.mm	Required for DB to 180 UPS power outlet sockets wiring. Red/Black/Green. 4 points/Circuit (45 circuits)		66 coils		
	3	PVC Pipe (For temperature probe) will be installed from 2nd Floor to 4th Floor	1 inch		200		
	4	UPS Power outlets (Dual Sockets)	2*13Amps British type 3 flat pin power sockets		180		
Estimated Cost (Power)							
16% GST							
Total Cost for Power setup							
Total cost of material Data & Power							
Lump sum charges of Supply, Installation of Data, Power and Temp probe cables laying, termination, integration & testing of all the above items							
Gross Total Estimated Cost							