

Tender Document

SUPPLY OF GOODS, PROVISION OF SERVICES AND EXECUTION OF WORKS



Punjab Information Technology Board

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INVITATION TO BID

1. Punjab Information Technology Board (hereinafter referred to as “the Purchaser”) invites / requests Proposals (hereinafter referred to as “the Tenders”) for supply of Computer Software, Hardware, Computer Peripherals, Computer Accessories, Networking Equipment, Office Equipment, Office Furniture, UPS, Power Generator, etc. (hereinafter referred to as “the Goods”) and for installation, configuration, deployment, commissioning, testing, training, after-sale support, etc. of said Goods (hereinafter referred to as “the Services”) on turnkey basis of this document. Proponents applying for bids should submit two separate **bids/envelopes for Financial Proposal and Technical Proposal.**
2. The Technical Proposal should contain all the bid items without quoting the price and must list firm's clientele, details of past project, resumes/CVs of the engineering team, after-sales service and authorization letters from manufactures, etc. Financial bids of Firms not pre-qualified on Technical basis will not be opened. The selected firms would be responsible for complete execution, installation, configuration, deployment, commissioning, testing of the equipment and would hand over it in satisfactory running state within stipulated time.
- 2 The bidding document carrying all details can be downloaded from PITB website <http://www.pitb.gov.pk> or received Accounts Officer, 15-1-C Model Town, Lahore. At the time of submission of bids, the bidders are required to submit the deposit slip of Rs. 500/- in PITB A/C No. UBL 1534-9, SAM Branch, LCCI, Lahore, per each tender.
- 3 All bids must be accompanied by a call deposit (CDR) of two percent (02%) of total bid amount. The bids along with the CDR must be delivered to the office of the Accounts Officer, Punjab Information Technology Board, Lahore on or before 1600 hours on **14th April 2010**. The Technical bids will be publicly opened in the Committee Room of Punjab Information Technology Board, Lahore, 15-1-C Model Town, Lahore, at 1600 hours on **14th April 2010**.
- 4 Bidders must submit bids on Turnkey basis. Failure to meet this condition will cause disqualification of the bidder.

- 5 Bidders shall submit Bids, which comply with the Bidding Documents. Alternative Bids will not be considered. The attention of bidders is drawn to the provisions of Clause on "Determination of Responsiveness of Bid" regarding the rejection of Bids, which are not substantially responsive to the requirements of the Bidding Documents.
- 6 The Purchaser will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids.
- 7 As authority competent to accept the tender, the Purchaser reserves the right to accept or reject one or all the tenders without assigning any reason thereof.
- 8 All prices quoted must include any Taxes applicable, such as GST, Income Tax, etc. If not specifically mentioned in the Quotation, it will be presumed that the prices include all the taxes.
- 9 Failure to supply items within the stipulated time period will invoke penalty as specified in this document. In addition to that, 02% Call Deposit (CDR) amount will be forfeited and the company will not be allowed to participate in future tenders as well.
- 10 Execution/installation of the said tendered equipment will be carried out at Governor's Secretariat, Lahore, Punjab within four weeks from the commencement date of Contract between the Purchaser and the tenderer.
- 11 The contractor will have 10% equipment of Turnkey solution as backup, so that it can be installed in case of failure of any equipment.
- 12 The Bidding Firm must have efficient complaint management system i.e., (Help Desk, Toll Free Number etc)
- 13 The Purchaser will undertake detailed scrutiny of the bids in two stages
 - (i) Firstly, the. Technical Proposals will be considered. Only those bidders who's Technical Proposals are found to be substantially responsive to the Technical Specifications, will be considered in the second stage;
 - (ii) Secondly, the Financial Proposals of those bidders who's Technical Proposals have been found to be substantially responsive will be considered. It is clarified, for the avoidance of any doubts, that **Financial Proposals of any bidder who's Technical Proposal is not substantially responsive, will not be considered**

TERMS AND CONDITIONS OF THE TENDER

1. Definitions

1. In this document, unless there is anything repugnant in the subject or context:
 - 1.1.1 "Authorized Representative" means any representative appointed, from time to time, by the Client, the Purchaser or the Contractor.
 2. "Availability and Reliability" means the probability that a component shall be operationally ready to perform its function when called upon at any point in time.
 - 1.2.1 "Client" means the specific Punjab Government Department for which the Goods / Services has been procured or any other person, duly appointed in writing, by the Purchaser, for the time being or from time to time, to act as Client for the purposes of the Contract.
 - 1.2.2 "Commencement Date of the Contract" means the date of signing of the Contract between the Purchaser and the Contractor.
 - 1.2.3 "Contract" means the agreement entered into between the Purchaser and the Contractor, as recorded in the Contract Form signed by the parties, including all Schedules and Attachments thereto and all documents incorporated by reference therein.
 - 1.2.4 "Contractor" means the person whose Tender has been accepted by the Purchaser.
 - 1.2.5 "Contract Price" means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations.
 - 1.2.6 "Contract Value" means that portion of the Contract Price adjusted to give effect to such additions or deductions as are provided for in the Contract which is properly apportionable to the Goods or Services in question.
 - 1.2.7 "Defects Liability Expiry Certificate" means the certificate to be issued by the Client to the Contractor, in accordance with the Contract.
 - 1.2.8 "Day" means calendar day.
 - 1.2.9 "Defects Liability Period" means the warranty period following the taking over, during which the Contractor is responsible for making good, defects and damage in Goods and Services provided, under the Contract.
 - 1.2.10 "Force Majeure" means an event beyond the control of the Contractor and not involving the Contractor's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Purchaser in its sovereign capacity, wars, revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
 - 1.2.11 "Goods" means equipment, machinery, and/or other materials which the Contractor is required to supply to the Purchaser under the Contract.
 - 1.2.12 "Person" includes individual, association of persons, firm, company, corporation, institution and organization, etc., having legal capacity.
 - 1.2.13 "Prescribed" means prescribed in the Tender Document.
 - 1.2.14 "Purchaser" means the Punjab Information Technology Board or any other person for the time being or from time to time duly appointed in writing by the Purchaser to act as Purchaser for the purposes of the Contract.
 - 1.2.15 "Origin" shall be considered to be the place where the Goods are produced or from where the Services are provided. Goods are produced when, through manufacturing, processing or assembling of components, a commercially recognized product results that is substantially different in basic characteristics or in purpose or utility from its components. The origin of Goods and Services is distinct from the nationality of the Contractor.

- 1.2.16 "Services" means installation, configuration, deployment, commissioning, testing, training, support, after sale service, etc. of Goods and other such obligations which the Contractor is required to provide to the Purchaser under the Contract.
- 1.2.17 "Taking-Over Certificate" means the certificate to be issued by the Client to the Contractor, in accordance with the Contract.
- 1.2.18 "Works" means work to be done by the Contractor under the Contract.

2. Headings and Titles

- 2.1 In this document, headings and titles shall not be construed to be part thereof or be taken into consideration in the interpretation of the document and words importing the singular only shall also include the plural and vice versa where the context so requires.

3. Notice

- 3.1 In this document, unless otherwise specified, wherever provision is made for exchanging notice, certificate, order, consent, approval or instructions amongst the Contractor, the Purchaser and the Client, the same shall be:
 - 3.1.1 in writing;
 - 3.1.2 issued within reasonable time;
 - 3.1.3 served by sending the same by courier or registered post to their principal office in Pakistan or such other address as they shall notify for the purpose; and
 - 3.1.4 The words "notify", "certify", "order", "consent", "approve", "instruct", shall be construed accordingly.

4. Tender Scope

- 4.1 Punjab Information Technology Board (hereinafter referred to as "the Purchaser") invites / requests Proposals (hereinafter referred to as "the Tenders") for supply of Computer Software, Hardware, Computer Peripherals, Computer Accessories, Networking Equipment, Office Equipment, Office Furniture, UPS, Power Generator, etc. (hereinafter referred to as "the Goods") and for installation, configuration, deployment, commissioning, testing, training, after-sale support, etc. of said Goods (hereinafter referred to as "the Services").

5. Tender Eligibility

- 5.1 Eligible Tenderer is a Tenderer who:
 - 5.1.1 has a registered office in Pakistan;
 - 5.1.2 has required relevant experience;
 - 5.1.3 has required relevant financial capacity;
 - 5.1.4 has the required relevant personnel.
 - 5.1.5 is manufacture of Goods / provider of Services or authorized dealer / agent of original manufacturer of Goods / provider of Services.

- 5.2 Goods and Services are Goods and Services which have their origin in eligible member countries, as listed below.

Afghanistan	Marshall Island
Australia	Mongolia
Austria	Micronesia, Federal States
Bangladesh	Myanmar
Belgium	Nauru
Bhutan	Nepal
Burma	Netherlands
Cambodia	New Zealand
Canada	Norway
China, People's Republic of	Pakistan
Cook Islands	Papua New Guinea
Denmark	Philippines
Fiji	Singapore
Finland	Solomon Islands
France	Spain
Germany,	Sri Lanka
Hong Kong	Sweden
India	Switzerland
Indonesia	Taipei, China
Italy	Thailand
Japan	Tonga
Kazakhstan	Turkey
Kiribati	Tuvalu
Korea, Republic of	United Kingdom
Kyrgyz Republic	United States of America
Laos People's Democratic Republic	Vanuatu
Malaysia	Viet Nam
Maldives	Western Samoa

- 5.3 For purposes of Clause 5.2 above, "origin" shall be considered to be the place where the Goods are produced or from which the Services are provided. Goods are produced when, through manufacturing, processing or substantial and major assembling of components, a commercially recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.

6. Tender Cost

- 6.1 The Tenderer shall bear all costs / expenses associated with the preparation and submission of the Tender(s) and the Purchaser shall in no case be responsible / liable for those costs / expenses.

7. Joint Venture

- 7.1 The Tenderers may form a joint venture of two or more Tenderers. An Agreement Deed to that effect, legally executed and signed by all the partners shall be submitted with the Tender.
- 7.2 One of the partners shall be authorized to, be in charge, incur liabilities, receive payments and receive instructions for and on behalf of any or all partners. A power of attorney to that effect, legally executed, signed by all the partners shall be submitted with the Tender.
- 7.3 All the partners shall be jointly and severally liable for the execution of the Contract in accordance with the terms and conditions of the Contract. The Tender, and in case of successful Tender, the Contract Deed, to that effect, shall be signed by all the partners.

8. Examination of the Tender Document

- 8.1 The Tenderer is expected to examine the Tender Document, including all instructions and terms and conditions.

9. Clarification of the Tender Document

- 9.1 The Tenderer may require further information or clarification of the Tender Document, no later than three working days prior to the deadline for the submission of the Tender, in writing or by telephone or by visiting the office.

10. Amendment of the Tender Document

- 10.1 The Purchaser may, at any time prior to the deadline for submission of the Tender, at its own initiative or in response to a clarification requested by the prospective Tenderer(s), amend the Tender Document, on any account, for any reason. All amendment(s) shall be part of the Tender Document and binding on the prospective Tenderer(s).
- 10.2 The Purchaser shall notify the amendment(s) in writing to the prospective Tenderers who shall acknowledge receipt of the amendment(s) in writing to the Purchaser.
- 10.3 The Purchaser may, at its exclusive discretion, amend the Tender Document to extend the deadline for the submission of the Tender, in which case all rights and obligations of the Purchaser and the Tenderers previously subject to the deadline shall thereafter be subject to the deadline as extended.

11. Preparation / Submission of Tender

- 11.1 The Tenderer shall submit only one Tender.
- 11.2 The Tender shall be for all complete Item(s) and not for one or more item(s)
- 11.3 The Tender and all documents relating to the Tender, exchanged between the Tenderer and the Purchaser, shall be in English. Any printed literature furnished by the Tenderer in another language shall be accompanied by an English translation which shall govern for purposes of interpretation of the Tender.
- 11.4 The Tender shall be filed in / accompanied by the prescribed Forms, Annexes, Schedules, Charts, Drawings, Documents, Brochures, Literature, etc. which shall be typed, completely filled in, stamped and signed by the Tenderer or his Authorized Representative. In case of copies, photocopies may be submitted.

11.5 The Tender shall be in two parts i.e the technical proposal and the financial proposal. Each proposal shall be in two sets i.e the original and the copy. In the event of any discrepancy between the original and the duplicate, the original shall govern.

11.6 The Technical Proposal shall comprise the following, without quoting the price:

11.6.1 Affidavit

11.6.2 Authorized Dealership / Agency Certificate

11.6.3 Evidence of eligibility of the Tenderer and the Goods

11.6.4 Evidence of conformity of the Goods / the Services to the Tender Document

11.6.5 Evidence that the quoted Goods are genuine, brand new, non- refurbished, unaltered in any way, of the most recent / current model, imported through proper channel, and incorporate all recent improvements in design and materials

11.6.6 Technical Brochures / Literature

11.6.7 Details of Warranty and After-Sale Service

11.6.8 Final Accounts for the last three years

11.6.9 Registration Certificate for Income Tax & Sales Tax

11.6.10 Income Tax & Sales Tax Returns for the last three tax years

11.6.11 Power of Attorney, if an authorized representative is appointed

11.7 The Financial Proposal shall comprise the following:

11.7.1 Tender Form

11.7.2 Price Schedule

11.7.3 Tender Security

11.7.4 Performance Security

11.8 The Tenderer shall seal the Original Technical Proposal in an envelope duly marked as under:

Original Technical Tender for
Tender No. [Number of Tender]

[Name of the Purchaser]
[Address of the Purchaser]

[Name of the Tenderer]
[Address of the Tenderer]
[Phone No. of the Tenderer]

- 11.9 The Tenderer shall seal the Duplicate Technical Tender in an envelope duly marked as under:

Duplicate Technical Proposal for
Tender No. [Number of Tender]

[Name of the Purchaser]
[Address of the Purchaser]

[Name of the Tenderer]
[Address of the Tenderer]
[Phone No. of the Tenderer]

- 11.10 The Tenderer shall follow the same process for the Financial Tender.

- 11.11 The Tenderer shall again seal the sealed envelopes of Original Technical Proposal and the Original Financial Proposal in an outer envelope, duly marking the envelope as under:

Original Tender for
Tender No. [Number of Tender]
Strictly Confidential
Open on [Last Date of submission of the Tender]

[Name of the Purchaser]
[Address of the Purchaser]

[Name of the Tenderer]
[Address of the Tenderer]
[Phone No. of the Tenderer]

- 11.12 The Tenderer shall again seal the sealed envelopes of Duplicate Technical Proposal and the Duplicate Financial Proposal in an outer envelope, duly marking the envelope as under:

Duplicate Tender for
Tender No. [Number of Tender]
Strictly Confidential
Open on [Last Date of submission of the Tender]

[Name of the Purchaser]
[Address of the Purchaser]

[Name of the Tenderer]
[Address of the Tenderer]
[Phone No. of the Tenderer]

11.13 The Tenderer shall enclose soft copies of the Technical Proposal and the Financial Proposals, including all Forms, Annexes, Schedules, Charts, Drawings, Documents, Brochures, Literature, etc., in the form of MS Word Documents, MS Excel Worksheets and Scanned images, with the hard copies.

11.14 The Tender shall be mailed to reach or dropped in the Tender Box placed at the Reception of the Purchaser's office, during office hours, up to due date and time.

12. Tender Price

12.1 The quoted price shall be:

12.1.1 best / final / fixed and valid until completion of the Contract i.e not subject to negotiation / variation / escalation;

12.1.2 on FOR basis including all charges up to the delivery point at various Punjab Government Offices in Punjab;

12.1.3 in Pak Rupees;

12.1.4 inclusive of all taxes, duties, levies, insurance, freight, etc.

12.2 If not specifically mentioned in the Tender(s), it shall be presumed that the quoted price is as per the above requirements.

12.3 Where no prices are entered against any item(s), the price of that item shall be deemed to have been distributed among the prices of other items, and no separate payment shall be made for that item(s).

12.4 Each cost should be identified as installation (one time) or monthly/quarterly/yearly (recurring) for any other equipment rental or any support of operation services thereof.

12.5 In case of locally produced Service, the price shall include all customs duties and sales and other taxes already paid or payable on the components and raw materials used in the manufacture or assembly of the item. In case of Contract of imported Service offered Ex-Warehouse/Off-the-Shelf from within the Purchaser's country, import duties and sales and other taxes already paid shall be shown separately.

13. Tender Security

13.1 The Tenderer shall furnish the Tender Security as under:

13.1.1 For the whole Tender;

13.1.2 if Total Tender Price is less than or equal to PKR 5 Million, in the form of Demand Draft / Pay Order / Call Deposit Receipt, in the name of the Purchaser;

13.1.3 if the Total Tender Price is more than PKR 5 Million, in the form of Bank Guarantee, issued by a scheduled bank operating in Pakistan, in the name of the Purchaser, as per the format provided in the Tender Document or in another form acceptable to the Purchaser;

13.1.4 for a sum equivalent to 2% of the Total Tender Price;

13.1.5 denominated in a currency of the Tender;

13.1.6 have a minimum validity period of ninety days from the last date for submission of the Tender or until furnishing of the Performance Security, whichever is later.

13.2 The proceeds of the Tender Security shall be payable to the Purchaser, on the occurrence of any / all of the following conditions:

13.2.1 If the Tenderer withdraws the Tender during the period of the Tender validity specified by the Tenderer on the Tender Form; or

13.2.2 If the Tenderer does not accept the corrections of his Total Tender Price; or

13.2.3 If the Tenderer, having been notified of the acceptance of the Tender by the Purchaser during the period of the Tender validity, fails or refuses to furnish the Performance Security, in accordance with the Tender Document.

13.3 The Tender security shall be returned to the unsuccessful Tenderer upon award of the Contract. The Tender Security shall be returned to the successful Tenderer on furnishing the Performance Security.

14. Tender Validity

14.1 The Tender shall have a minimum validity period of ninety days from the last date for submission of the Tender. The Purchaser may solicit the Tenderer's consent to an extension of the validity period of the Tender. The request and the response thereto shall be made in writing. If the Tenderer agrees to extension of validity period of the Tender, the validity period of the Tender security shall also be suitably extended. The Tenderer may refuse extension of validity period of the Tender, without forfeiting the Tender security.

15. Modification / Withdrawal of the Tender

15.1 The Tenderer may, by written notice served on the Purchaser, modify or withdraw the Tender after submission of the Tender, prior to the deadline for submission of the Tender.

15.2 The Tender, withdrawn after the deadline for submission of the Tender and prior to the expiration of the period of the Tender validity, shall result in forfeiture of the Tender Security.

16. Opening of the Tender

16.1 Tenders shall be opened, at the given place, time and date, in the presence of the Tenderer(s) for which they shall ensure their presence without further invitation.

16.2 The Tenderer's name, modifications, withdrawal, security, attendance of the Tenderer and such other details as the Purchaser may, at its exclusive discretion, consider appropriate, shall be announced and recorded.

17. Clarification of the Tender

17.1 The Purchaser shall have the right, at his exclusive discretion, to require, in writing, further information or clarification of the Tender, from any or all the Tenderer(s). No change in the price or substance of the Tender shall be sought, offered or permitted except as required to confirm the corrections of arithmetical errors discovered in the Tender.

18. Determination of Responsiveness of the Tender

18.1 The Purchaser shall determine the substantial responsiveness of the Tender to the Tender Document, prior to the Tender evaluation, on the basis of the contents of the Tender itself without recourse to extrinsic evidence. A substantially responsive Tender is one which:

18.1.1 meets the eligibility criteria for the Tenderer / the Goods / the Services;

18.1.2 meets the Technical Specifications for the Goods / the Services;

18.1.3 meets the delivery period / point for the Goods / the Services;

18.1.4 meets the rate and limit of liquidated damages;

18.1.5 offers fixed price quotations for the Goods / the Services;

18.1.6 is accompanied by the required Tender Security;

- 18.1.7 is otherwise complete and generally in order;
- 18.1.8 conforms to all terms and conditions of the Tender Document, without material deviation or reservation.
- 18.2 A material deviation or reservation is one which affects the scope, quality or performance of the Goods or limits the Purchaser's rights or the Tenderer's obligations under the Contract.
- 18.3 The Tender determined as not substantially responsive shall not subsequently be made responsive by the Tenderer by correction or withdrawal of the material deviation or reservation. However, the Purchaser may waive off any minor non-conformity or inconsistency or informality or irregularity in the Tender.

19. Evaluation of the Tenders

- 19.1 The Tender Evaluation Committee shall evaluate the Tenders, previously determined to be substantially responsive, in steps. In the first step, Technical Proposal shall be evaluated as per the technical evaluation criteria. In the second step, Financial Proposal of only such Tenders in which Technical Proposal meets / exceeds the benchmark of technical evaluation criteria shall be evaluated as per the financial evaluation criteria. Finally, only such Tenders in which Financial Proposal also meets / exceeds the benchmark of financial evaluation criteria shall be positioned in descending order on the basis of the cumulative score. The Tender with the highest score shall be successful.
- 19.2 The Tender shall be checked for any arithmetic errors which shall be rectified, as follows:
 - 19.2.1 if there is a discrepancy between the amount in figures and the amount in words for the Total Tender Price entered in the Tender Form, the amount which tallies with the Total Tender Price entered in the Price Schedule, shall govern.
 - 19.2.2 if there is a discrepancy between the unit rate and the total price entered in the price Schedule, resulting from incorrect multiplication of the unit rate by the quantity, the unit rate as quoted shall govern and the total price shall be corrected, unless there is an obvious and gross misplacement of the decimal point in the unit rate, in which case the total price as quoted shall govern and the unit rate shall be corrected.
 - 19.2.3 if there is a discrepancy in the actual sum of the itemized total prices and the total tender price quoted in the Price Schedule, the actual sum of the itemized total prices shall govern.
- 19.3 The Tender price as determined after arithmetic corrections shall be termed as the Corrected Total Tender Price which shall be binding upon the Tenderer.
- 19.4 Adjustment shall be based on corrected Tender Prices. The price determined after making such adjustments shall be termed as Evaluated Total Tender Price.
- 19.5 The cost of making good any deficiency resulting from any acceptable, quantifiable variations and deviations from the terms and conditions of the Contract / Technical Specifications, shall be added to the corrected Tender Price for comparison purposes only. No credit shall be given for offering delivery period earlier than the specified period.
- 19.6 The Tenderer shall state the Tender Price for the payment terms outlined in the Conditions of Contract which will be considered for the evaluation of the Tender. The Tenderer may state alternate payment terms and indicate the reduction in the Tender price offered for such alternative payment terms. The Purchaser may consider the alternative payment terms offered by the Tenderer.

- 19.7 The Tenderers may offer discounts for items which shall be taken into account in the evaluation of the Tenders so as to determine the Tender offering the lowest evaluated cost for the Purchaser in deciding award(s) for whole tender.

20. Rejection / Acceptance of the Tender

- 20.1 The Purchaser shall have the right, at his exclusive discretion, to increase / decrease the quantity of any or all item(s) without any change in unit prices or other terms and conditions, accept a Tender reject any or all tender(s), cancel / annul the Tendering process at any time prior to award of Contract, without assigning any reason or any obligation to inform the Tenderer of the grounds for the Purchaser's action, and without thereby incurring any liability to the Tenderer and the decision of the Purchaser shall be final.
- 20.2 The Tender shall be rejected if it is:
- 20.2.1 for one / more item(s) and not for all Items; or
 - 20.2.2 substantially non-responsive; or
 - 20.2.3 not pre-qualified on technical proposal; or
 - 20.2.4 submitted in other than prescribed forms, annexes, schedules, charts, drawings, documents / by other than specified mode; or
 - 20.2.5 incomplete, un-sealed, un-signed, printed (hand written), partial, conditional, alternative, late; or
 - 20.2.6 subjected to interlineations / cuttings / corrections / erasures / overwriting; or
 - 20.2.7 the Tenderer submits more than one Tenders; or
 - 20.2.8 the Tenderer refuses to accept the corrected Total Tender Price; or
 - 20.2.9 the Tenderer has conflict of interest with the Purchaser; or
 - 20.2.10 the Tenderer tries to influence the Tender evaluation / Contract award; or
 - 20.2.11 the Tenderer engages in corrupt or fraudulent practices in competing for the Contract award.

21. Acceptance Letter

- 21.1 The Purchaser shall, send the Acceptance Letter to the successful Tenderer, prior to the expiry of the validity period of the Tender, which shall constitute a contract, until execution of the formal Contract.

22. Performance Security

- 22.1 The successful Tenderer shall furnish Performance Security as under:
- 22.1.1 within three working days of the receipt of the Acceptance Letter from the Purchaser;
 - 22.1.2 in the form of a Bank Guarantee, issued by a scheduled bank operating in Pakistan, as per the format provided in the Tender Document or in another form acceptable to the Purchaser;
 - 22.1.3 for a sum equivalent to 10% of the contract value;
 - 22.1.4 denominated in a currency of the Contract;
 - 22.1.5 have a minimum validity period of ninety days from the date of Award Notification or until the date of expiry of warranty period, whichever is later.
- 22.2 The proceeds of the Performance Security shall be payable to the Purchaser, on occurrence of any / all of the following conditions:
- 22.2.1 If the Contractor commits a default under the Contract;
 - 22.2.2 If the Contractor fails to fulfill any of the obligations under the Contract;

- 22.2.3 If the Contractor violates any of the terms and conditions of the Contract.
- 22.3 The Contractor shall cause the validity period of the performance security to be extended for such period(s) as the contract performance may be extended. The Performance Security shall be returned to the Tenderer within thirty working days after the expiry of its validity.

TERMS & CONDITIONS OF THE CONTRACT

23. Contract

- 23.1 The Purchaser shall, after receipt of the Performance Security from the successful Tenderer, send the Contract provided in the Tender Document, to the successful Tenderer. Within three working days of the receipt of such Contract, the Tenderer shall sign and date the Contract and return it to the Purchaser.

24. Contract Documents and Information

- 24.1 The Contractor shall not, without the Purchaser's prior written consent, make use of the Contract, or any provision thereof, or any document(s), specifications, drawing(s), pattern(s), sample(s) or information furnished by or on behalf of the Purchaser in connection therewith, except for purposes of performing the Contract or disclose the same to any person other than a person employed by the Contractor in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.

25. Contract Language

- 25.1 The Contract and all documents relating to the Contract, exchanged between the Contractor and the Purchaser, shall be in English. The Contractor shall bear all costs of translation to English and all risks of the accuracy of such translation.

26. Standards

- 26.1 The Goods supplied and the Services provided under this Contract shall conform to the authoritative latest standards.

27. Commercial Availability

- 27.1 The Goods supplied under this Contract shall be commercially available at the time of signing of the contract. Commercial availability means that such Goods shall have been sold, installed and operationalized in more than two installations initiated under two separate contracts.

28. Patent Right

- 28.1 The Contractor shall indemnify and hold the Purchaser harmless against all third party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods / the Service or any part thereof.

29. Execution Schedule

- 29.1 The Contractor shall submit an Execution Schedule, giving details of customs clearance, supply, installation, configuration, deployment, commissioning, testing, training, etc., as required under the Contract, to the Client, within three days of the signing of the Contract.

30. Packing

30.1 The Contractor shall provide such packing of the Goods as is sufficient to prevent their damage or deterioration during storage / transit to their final destination as indicated in the Contract. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the final destination and withstand, without limitation, rough handling, exposure to extreme temperatures, salt and precipitation at all points in storage / transit. The Contractor shall arrange and pay for the packing of the Goods to the place of destination as specified in the Contract, and the cost thereof shall be included in the Contract Price.

31. Insurance

31.1 The Contractor shall provide such insurance of the Goods as is sufficient to protect against their damage or deterioration during storage / transit to their final destination as indicated in the Contract. The Contractor shall arrange and pay for the insurance of the Goods to the place of destination as specified in the Contract, and the cost thereof shall be included in the Contract Price.

32. Labeling

32.1 The Goods supplied under the Contract, shall be clearly labeled so as to correspond with the delivered documentation, with proper labeling scheme provided by the Client. All networking equipment, cables, connectors, ports, boxes shall be clearly labeled.

33. Delivery

33.1 The Contractor shall indicate his delivery approach clearly specifying the requirements for packing, shipping and unpacking of deliverable hardware, software and documentation. The approach shall address shipment of deliverables to the various designated (installation) sites. The approach shall also specify any special shipping constraints such as custom requirements, security requirements, access arrangement or loading dock requirements. The Contractor shall deliver the Goods at various Governors' Secretariat Punjab in Punjab, as specified by the Purchaser at the time of delivery.

33.2 The Service shall remain at the risk and under the physical custody of the Contractor until the delivery and testing of the Goods is completed.

33.3 The Contractor shall ensure that the Goods shall be delivered complete to enable the testing and training to proceed without interruption. If it shall appear to the Client that the Goods have been or are likely to be delayed by reason of incomplete delivery or for any other reasons, he may require the Contractor at the expense of the Contractor to dispatch the missing items of the Goods or suitable replacements thereof to the site of delivery by the fastest available means including air freight.

33.4 The Contractor shall include in the Tender a detailed logistics plan which shall include support details for transportation, mobilization and personnel scheduling during project implementation and the warranty period. The Contractor shall provide maintenance, supply and procurement support necessary for Client to maintain all system, at the contracted performance and reliability level. The Contractor shall arrange and pay for the transport of the Goods to the place of destination as specified in the Contract, and the cost thereof shall be included in the Contract Price.

34. Installation and Implementation

- 34.1 The Contractor shall ensure that the implementation design conforms to an open standard by which new services can be added without disruption to existing services.
- 34.2 The Contractor shall ensure that the implementation is fault tolerant. This is accomplished by supplying a set of programs and procedures that allow the system recovery or roll back when a fault is detected.
- 34.3 The Contractor shall provide a document stating step-by-step procedures for installation and disaster recovery to the Purchaser.
- 34.4 The Contractor shall provide all the recent patches and updates for Firmware/Hardware, on a reliable media, with proper labeling, during the installation to the Purchaser.
- 34.5 The Contractor shall configure the system for high availability and reliability, of all hardware and software.
- 34.6 The Contractor shall submit detailed and complete installation, transition and cutover plan for the new system, installation procedures for the new components specifying equipment checkout, installation constraints, operational cutover, maintenance prior to Client acceptance and if special security and/or access arrangements are required.
- 34.7 New equipment, shall be installed with existing equipment, and shall require close coordination between the Contractor and the Client personnel.

35. Site Preparation

- 35.1 The Contractor shall be responsible to survey the site, prepare the site, determine power, air conditioning and floor space requirements, identify and install, if necessary, any special / additional power and air conditioning requirements, for the proposed equipment.
- 35.2 The Purchaser and the Client shall facilitate the Contractor in discharge of the above responsibilities.

36. Power

- 36.1 The Goods supplied under the Contract, unless otherwise specified, shall be capable of operating normally with single phase AC power, within the range of 220-240V, with the corresponding frequency of 50 Hz, inclusive, and should be protected from over-voltage, over heating and out-of-tolerance current surges. The Contractor shall configure the software and cabling for the UPS to work flawlessly with OS, and shall demonstrate that appropriate messages are generated if such a condition does occur.

37. Safety

- 37.1 The Contractor shall be responsible for the embedding of safety features in the inherent design of the equipment, for elimination of identified hazards, including but not limited to high voltage, electromagnetic radiation, sharp points and edges, etc., and reduction of associated risk to personnel and equipment.
- 37.2 The Contractor shall be responsible for the addition of bilingual warnings and caution notices, where hazards cannot be eliminated or risks cannot be reduced.
- 37.3 The Contractor shall be responsible for the protection of the power sources, controls, and critical components of the redundant systems and subsystems by shielding or physical separation when possible.

38. Operation and Maintenance

38.1 The Contractor shall be responsible for the continuous operational capability and maintenance of the entire system, 24/7, without disruption to either service or performance, during the warranty period.

39. Test Equipment and Tools

39.1 The Contractor shall evaluate the existing facilities and abilities of the Client to accomplish corrective and preventive maintenance and support and identify additional skills, test equipment and tools required to maintain and support the new equipment. Such test equipment and tools shall be state of the art in design aimed at providing an efficient, systematic and cost effective repair operation for all replaceable components.

40. Spare Parts and Support

40.1 The Contractor shall ensure that the Services provided by the Contractor, under the Contract are standard and of exact Computer Hardware and Networking Equipment, and incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

40.2 The Contractor shall further ensure that the Services provided by the Contractor, under the Contract shall have no defect, arising from design, materials, installation, configuration, or from any act or omission of the Contractor that may develop under normal use of the provided Service.

40.3 The Contractor shall maintain sufficient backup stock of spare parts and tools locally at sites, for the maintenance of the supplied Goods, during the warranty period.

40.4 The Contractor shall ensure availability of spare parts and technical assistance for all components for at least five years, without major changes, after the completion of final acceptance.

40.5 The Contractor shall give six months advance notice on any discontinued part(s) with a suggestion for appropriate alternatives.

40.6 The Contractor shall also identify and provide the following:

40.6.1 items (repairable spares, parts and consumable supplies) that are needed to maintain design performance, reliability and availability standards prescribed in the Technical Specifications. The quantity of spare parts and consumable items provided and kept shall be equal to the requirements for one year of operating stock;

40.6.2 critical items, whose failure would cause a system failure;

40.6.3 items of high cost and/or long lead time (over thirty working days);

40.6.4 items whose design reliability is such that normal stock replenishment would not justify maintaining a level of the item in stock.

41. Inspection and Testing

41.1 The Purchaser shall inspect and test the Goods supplied, the Services provided or the Works carried out, under the Contract, to verify their conformity to the Technical Specifications.

41.2 The inspections and tests shall be conducted at the premises of the Contractor / its subcontractor(s) / at the final destination. Where conducted at the premises of the Contractor / its subcontractor(s), the Contractor / its subcontractor(s) shall provide all-reasonable facilities and assistance, including access to drawings, production data and online verification from official web site of the Manufacture, to the

inspectors, at no charge to the Purchaser.

- 41.3 The Purchaser may reject the Goods, the Services or the Works if they fail to conform to the Technical Specifications, in any test(s) or inspection(s) and the Contractor shall either replace the rejected Goods, Services or Works or make all alterations necessary to meet the Technical Specifications, within three working days, free of cost to the Purchaser.
- 41.4 The Purchaser's post-delivery right to inspect, test and, where necessary, reject the Goods shall in no way be limited or waived by reason of pre-delivery inspection, testing or passing of the Goods.
- 41.5 Nothing contained in Clauses 41.1 and 41.2 shall, in any way, release the Contractor from any Warranty or other obligations under the Contract.

42. Taking-Over Certificate

- 42.1 The Contractor shall, by written notice served on the Client with a copy to the Purchaser, apply for a Taking-Over Certificate.
- 42.2 The Client shall, within twenty one days of receipt of Contractor's application, either issue the Taking-Over Certificate to the Contractor with a copy to the Purchaser, stating the date of successful inspection / testing of the Goods or any portion thereof, for their intended purposes; or reject the application giving the reasons and specifying the work required to be done by the Contractor to enable the Taking-Over Certificate to be issued.
- 42.3 Nothing contained in Clauses 42.1 and 42.2 shall, in any way, release the Contractor from any Warranty or other obligations under the Contract.

43. Warranty

- 43.1 The Contractor shall warrant to the Purchaser that the Goods supplied by the Contractor, under the Contract are genuine, brand new, non- refurbished, unaltered in any way, of the most recent or current model, imported through proper channel, and incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
- 43.2 The Contractor shall further warrant that the Goods supplied by the Contractor, under the Contract shall have no defect, arising from design, materials, workmanship or from any act or omission of the Contractor that may develop under normal use of the supplied Goods.
- 43.3 The Contractor shall provide Manufacturer's warranty for minimum three years (hereinafter referred as Warranty Period), after the issue of Taking-over Certificate in respect of Goods, the Services and the Works, or any portion thereof, as the case may be, which will include:
 - 43.3.1 Free, on site repair / replacement of defective / damaged parts and labor, within 48 hours of intimation;
 - 43.3.2 On site replacement of defective / damaged Goods, if repair of such Goods involves a duration exceeding 48 hours.
- 43.4 The Contractor shall clearly mention Terms and Conditions of service agreements for the Goods supplied after the expiry of initial warranty period. In case of International Warranties, the local authorized dealers shall mention their service and warranty setup, details of qualified engineers, etc.
- 43.5 The Warranty Period shall start from the date of installation / configuration / deployment of the Goods on site.
- 43.6 The Client shall, by written notice served on the Contractor with a copy to the Purchaser, promptly indicate any claim(s) arising under the warranty.
- 43.7 The Contractor shall, within the prescribed time period, after receipt of such notice,

repair or replace the defective / damaged Goods or parts thereof on site, without any cost to the Purchaser.

- 43.8 The end user licenses, end user warranties and end user contracting support services shall be in the name of Purchaser, for the Goods supplied, the Services provided and the Works done, under the Contract.

44. Ownership of Goods and Replaced Components

- 44.1 Goods to be supplied to the Purchaser, pursuant to the Contract, shall become the property of the Purchaser when the Goods are taken over by the Purchaser. Defective components to be replaced by the Contractor, pursuant to the Contract, shall become the property of the Contractor as and where it lies.

45. Defects Liability Expiry Certificate

- 45.1 The Contractor shall, after expiry of the warranty period, by written notice served on the Client with a copy to the Purchaser, apply for a Defects Liability Expiry Certificate.
- 45.2 The Client shall, within twenty one days of receipt of such notice, either issue the Defects Liability Expiry Certificate to the Contractor with a copy to the Purchaser, stating the date of expiry of the Warranty Period for all the Goods supplied and fulfillment of all obligations by the Contractor, under the Contract; or reject the application giving the reasons and specifying the work required to be done by the Contractor to enable the Defects Liability Expiry Certificate to be issued.

46. Payment

- 46.1 The Contractor shall submit an Application for Payment, in the prescribed form, to the Client. The Application for Payment shall: be accompanied by such invoices, receipts or other documentary evidence as the Client may require; state the amount claimed; and set forth in detail, in the order of the Price Schedule, particulars of the Goods supplied, the Services provided and the Works done, up to the date of the Application for Payment and subsequent to the period covered by the last preceding Certificate of Payment, if any.
- 46.2 The Client shall issue a Certificate of Payment, in the prescribed form, to the Purchaser, with a copy to the Contractor, verifying the amount due, within fourteen days of receipt of an Application for Payment. The Client may withhold a Certificate of Payment on account of defect(s) / short coming(s) in the Goods supplied / non-satisfactory performance of the Services / the Works. The Client may make any correction or modification in a Certificate of Payment that properly be made in respect of any previous certificate.
- 46.3 The Purchaser shall pay the amount verified in the Certificate of Payment within fourteen days of receipt of a Certificate of Payment. Payment shall not be made in advance. The Purchaser shall make payment for the Goods supplied, the Services provided and the Works done, to the Contractor, as per Government policy, on monthly or quarterly basis, in the currency of the Tender, through treasury cheque.

47. Price

- 47.1 The Contractor shall not charge prices for the Goods supplied, the Services provided and for other obligations discharged, under the Contract, varying from the prices quoted by the Contractor in the Price Schedule.

48. Contract Amendment

- 48.1 The Purchaser may, at any time, by written notice served on the Contractor with a copy to the Client, alter, amend, omit, increase, decrease or otherwise change the nature, quality, quantity and scope, of all / any of the Goods / the Services / the Works, in whole or in part.
- 48.2 The Contractor shall, within ten working days of receipt of such notice, submit a cost estimate and execution schedule of the proposed change (hereinafter referred to as the Change), to the Purchaser.
- 48.3 The Contractor shall not execute the Change until and unless the Purchaser has allowed the said Change, by written order served on the Contractor with a copy to the Client.
- 48.4 The Change, mutually agreed upon, shall constitute part of the obligations under this Contract, and the provisions of the Contract shall apply to the said Change.
- 48.5 No variation in or modification in the Contract shall be made, except by written amendment signed by both the Purchaser and the Contractor.

49. Assignment / Subcontract

- 49.1 The Contractor shall not assign or sub-contract its obligations under the Contract, in whole or in part, except with the Purchaser's prior written consent.
- 49.2 The Contractor shall guarantee that any and all assignees / subcontractors of the Contractor shall, for performance of any part / whole of the work under the contract, comply fully with the terms and conditions of the Contract applicable to such part / whole of the work under the contract.

50. Extensions in time for performance of obligations under the Contract

- 50.1 If the Contractor encounters conditions impeding timely performance of any of the obligations, under the Contract, at any time, the Contractor shall, by written notice served on the Purchaser with a copy to the Client, promptly indicate the facts of the delay, its likely duration and its cause(s). As soon as practicable after receipt of such notice, the Purchaser shall evaluate the situation and may, at its exclusive discretion, without prejudice to any other remedy it may have, by written order served on the Contractor with a copy to the Client, extend the Contractor's time for performance of its obligations under the Contract.

51. Liquidated Damages

- 51.1 If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract the Purchaser may, without prejudice to any other right of action / remedy it may have, deduct from the Contract Price, as liquidated damages, a sum of money @.25% of the Contract Price which is attributable to such part of the Goods / the Services / the Works as cannot, in consequence of the failure / delay, be put to the intended use, for every day between the scheduled delivery date(s), with any extension of time thereof granted by the Purchaser, and the actual delivery date(s). Provided that the amount so deducted shall not exceed, in the aggregate, 50% of the Contract Price.

52. Blacklisting

- 52.1 If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract the Purchaser may, at any time, without prejudice to any other right of action / remedy it may have, blacklist the Contractor, either indefinitely or for a stated period, for future tenders.
- 52.2 If the Contractor is found to have engaged in corrupt or fraudulent practices in competing for the award of contract or during the execution of the contract, the Purchaser may, at any time, without prejudice to any other right of action / remedy it may have, blacklist the Contractor, either indefinitely or for a stated period, for future tenders.

53. Forfeiture of Performance Security

- 53.1 If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract the Purchaser may, without prejudice to any other right of action / remedy it may have, forfeit Performance Security of the Contractor.

54. Termination for Default

- 54.1 If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract the Purchaser may, at any time, without prejudice to any other right of action / remedy it may have, by written notice served on the Contractor with a copy to the Client, indicate the nature of the default(s) and terminate the Contract, in whole or in part, without any compensation to the Contractor. Provided that the termination of the Contract shall be resorted to only if the Contractor does not cure its failure / delay, within fifteen working days (or such longer period as the Client may allow in writing), after receipt of such notice.
- 54.2 If the Purchaser terminates the Contract for default, in whole or in part, the Purchaser may procure, upon such terms and conditions and in such manner as it deems appropriate, Goods / Services / Works, similar to those undelivered, and the Contractor shall be liable to the Purchaser for any excess costs for such similar Goods / Services / Works. However, the Contractor shall continue performance of the Contract to the extent not terminated.

55. Termination for Insolvency

- 55.1 If the Contractor becomes bankrupt or otherwise insolvent, the Purchaser may, at any time, without prejudice to any other right of action / remedy it may have, by written notice served on the Contractor with a copy to the Client, indicate the nature of the insolvency and terminate the Contract, in whole or in part, without any compensation to the Contractor.

56. Termination for Convenience

- 56.1 The Purchaser may, at any time, by written notice served on the Contractor with a copy to the Client, terminate the Contract, in whole or in part, for its convenience, without any compensation to the Contractor.
- 56.2 The Goods and the Services which are complete or to be completed by the Contractor, within thirty working days after the receipt of such notice, shall be accepted by the Purchaser. For the remaining Goods, the Purchaser may elect:
- 56.2.1 to have any portion thereof completed and delivered; and/or

- 56.2.2 to cancel the remainder and pay to the Contractor an agreed amount for partially completed Goods, Services, Works and materials / parts previously procured by the Contractor for the purpose of the Contract, together with a reasonable allowance for overhead & profit.

57. Force Majeure

- 57.1 The Contractor shall not be liable for liquidated damages, forfeiture of its Performance Security, blacklisting for future tenders, termination for default, if and to the extent his failure / delay in performance / discharge of obligations under the Contract is the result of an event of Force Majeure.
- 57.2 If a Force Majeure situation arises, the Contractor shall, by written notice served on the Purchaser with a copy to the Client, indicate such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Contractor shall continue to perform under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

58. Dispute Resolution

- 58.1 The Purchaser and the Contractor shall make every effort to amicably resolve, by direct informal negotiation, any disagreement or dispute arising between them under or in connection with the Contract.
- 58.2 If, after thirty working days, from the commencement of such informal negotiations, the Purchaser and the Contractor have been unable to amicably resolve a Contract dispute, either party may, require that the dispute be referred for resolution by arbitration under the Pakistan Arbitration Act, 1940, as amended, by one or more arbitrators selected in accordance with said Law. The place for arbitration shall be Lahore, Pakistan. The award shall be final and binding on the parties.

59. Statutes and Regulations

- 59.1 The Contract shall be governed by and interpreted in accordance with the laws of Pakistan.
- 59.2 The Contractor shall, in all matters arising in the performance of the Contract, conform, in all respects, with the provisions of all Central, Provincial and Local Laws, Statutes, Regulations and By-Laws in force in Pakistan, and shall give all notices and pay all fees required to be given or paid and shall keep the Purchaser indemnified against all penalties and liability of any kind for breach of any of the same.
- 59.3 The Courts at Lahore shall have the exclusive territorial jurisdiction in respect of any dispute or difference of any kind arising out of or in connection with the Contract.

60. Taxes and Duties

- 60.1 The Contractor shall be entirely responsible for all taxes, duties and other such levies imposed outside and within Pakistan. Taxes and duties shall be deducted as per Law. The Contractor may make inquiries on income tax / sales tax to the concerned authorities of Income Tax and Sales Tax Department, Government of Pakistan.

61. The Client

- 61.1 The Client shall only carry out such duties and exercise such authority as specified in the Contract. The Client shall have no authority to relieve the Contractor of any of his obligations under the Contract, except as expressly stated in the Contract.
- 61.2 The Contractor shall proceed with the decisions, instructions or approvals given by the Client in accordance with these Conditions.

62. Authorized Representative

- 62.1 The Purchaser, the Client or the Contractor may, at their exclusive discretion, appoint their Authorized Representative and may, from time to time, delegate any / all of the duties / authority, vested in them, to their authorized Representative(s), including but not limited to, signing on their behalf to legally bind them, and may, at any time, revoke such delegation.
- 62.2 The Authorized Representative shall only carry out such duties and exercise such authority as may be delegated to him, by the Purchaser, the Client or the Contractor.
- 62.3 Any such delegation or revocation shall be in writing and shall not take effect until notified to the other parties to the Contract.
- 62.4 Any decision, instruction or approval given by the Authorized Representative, in accordance with such delegation, shall have the same effect as though it had been given by the Principal.
- 62.5 Notwithstanding Clause 65.4, any failure of the Authorized Representative to disapprove any Goods or Services or Works shall not prejudice the right of the Client to disapprove such Goods or Services or Works and to give instructions for the rectification thereof.
- 62.6 If the Contractor questions any decision or instruction of the Authorized Representative of the Purchaser / the Client, the Contractor may refer the matter to the Purchaser / the Client who shall confirm, reverse or vary such decision or instruction.

63. Waiver

- 63.1 Failure of either party to insist upon strict performance of the obligations of the other party, under the Contract, shall in no way be deemed or construed to affect in any way the right of that party to require such performance.

64. Training

- 64.1 The Contractor shall arrange and undertake a comprehensive training program for the staff nominated by the Purchaser / the Client to ensure that they shall acquire a good working knowledge of the operation, and general maintenance of the Goods to be supplied under the Contract.
- 64.2 In case of non-compliance with instructions, non-cooperation or other difficulties experienced by the Contractor with regard to any of these personnel, the Contractor shall apprise the Purchaser / Client and proceed to implement suitable remedial measures after consultation with them.

65. Documentation

- 65.1 The Contractor shall furnish the user documentation, the operation manuals, and service manuals for each appropriate unit of the supplied Goods and other information pertaining to the performance of the Goods, in hard copy format, in soft copy format and in the form of on-line help, before the Goods are taken over by the Purchaser.

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS				
Item No.	Item Description	Item Component	Minimum Specification	Qty
SERVERS				
BRANDS	IBM/LENOVO, COMPAQ/HP, DELL, ACER, FUJITSU/SIEMENS			
1	Mid Range Servers			3
		Processor	Intel Xeon Quad Core E5520, 2 X2.26.GHz, 8MB I3, 5.860GT/s	
		Mother Board	Server Board Server E5520 Chipset with DUAL Processor Scalability / Upgradeability	
		ECC Memory	16 GB DDR-3, 1066 MHz, RDIMMs Memory Modules for 2 Processors expandable to 144 GB or higher Support	
		Hard Disk Drive	2 x 300GB 10K RPM 2.5 inch SAS Hard Drives or higher Support	
		Drive Controller	Integrated (Serial Attached SCSI) SAS controller	
		RAID Controller	Integrated RAID Controller with 256MB Battery Backup Cache (Supporting RAID 0, 1, 5, etc)	
		Optical Drive	Super Drive	
		Display Card	As per manufacturer standards	
		Network Adapter	Built in Dual Gigabit Ethernet (NT & Win2000, 2003, Red Hat Linux Supportive) with wake on LAN (WOL)	
		I/O Interface	As per manufacturer standard	
		Mouse & Key Board	As per manufacturer standard	
		Chassis	Manufacturer Standard casing with standard Power Supply, 2U Rack mount	
		Rack Support	Sliding Ready Rails with cable manager	
		Power Supply	Hot-Swap Redundant (2) Power Supply as per manufacturer Standards	

		System Management, recovery , configuration software	Management capabilities should include Operating System Based Management Monitoring and server assistant, Remote Management, Configuration Management, Event Scheduling, Alert Management, Web Management, RAID Management, Software Inventory, Failure analysis software for processors, disks, memory, voltage, power supplies, fans etc.	
		Operating System	Licensed MS Win Server 2008 Standard Edition with 5 CALs OEM with SP2 or higher	
		Anti Virus	Licensed Norton Anti Virus (latest version)	
2	Server Rack			1
		Size	42 U (coupled)	
		Power Distribution Unit	220-240 Volts	
		Display	1-U 15" flat or higher panel display	
		Key Board/Mouse	Rack Key Board with track ball / touchpad	
		Shelf		2
		Switch	8-Port KVM	
		Cable	5 x KVM	
PERSONAL COMPUTER				
3	Desktop Professional Use			32
BRANDS	IBM/LENOVO, COMPAQ/HP, DELL, ACER, FUJITSU/SIEMENS			
		Processor	Intel Core 2 Duo 2.93 GHz, E7500, with Built-in 3 MB L2 Cache, 1066 FSB, or higher	
		Mother Board	Intel Chipset Q45 or higher	
		Memory	2 GB DDR-2, SDRAM 667 MHz or higher (With life time warranty)	
		Hard Disk	Min 160 GB SATA-3.0 GB/S with 7200 RPM or higher (The serial numbers of the HD Drives quoted by the local brand should be verifiable from the manufacturer)	
		Super Drive Internal	CD+/-RW and 8X DVD RW 16X DVD R or higher, compatible with Microsoft Windows XP/7 and Red Hat Linux	

		Video Card	Built-in	
		Sound Card	Built-in	
		Network Adapter	Built-in 10/100/1000 base-T Gigabit Ethernet card, Microsoft Windows XP/7, Red Hat Linux Supportive, Wake on LAN (WOL) support	
		Monitor	17" TFT Monitor, Low Radiation, 1024 x 768 Resolution supportive	
		I/O Interface	Min four (4) USB 2.0 ports, Min Two PCI slots, etc.	
		Modem/Fax Card	Internal 56 Kbps, V.92 PCI Data/Fax Modem	
		Mouse & Key Board	Standard Keyboard and 2.0 USB 2Button Optical Mouse with Scroll	
		Casing	For local brands: Intel tested Chassis/Power supply For Foreign Brands: Manufacturer Standard casing with standard Power Supply	
		Operating System	Licensed Microsoft Windows XP/7 with licensed Symantec Antivirus	
4	Laptop/Notebook Professional Use			11
BRANDS	IBM/LENOVO, COMPAQ/HP, DELL, ACER, FUJITSU/SIEMENS			
		Processor	Intel Pentium M, Core 2 Duo 2.53 GHz, P8700, with Built-in 3 MB L2 Cache, 1066 FSB, or higher	
		Mother Board	Intel Chipset Centrino Pro	
		Memory	2 GB of DDR-II 800 MHz or higher	
			1 GB DDR-2, SDRAM 667 MHz or higher	
		Hard Disk	250 GB, 7200 RPM, SATA II or higher	
		Super Drive	CD+/-RW and 8X DVD RW 16X DVD R or higher, Microsoft Windows XP/7 and Red Hat Linux compatible	
		Video Card	On-board Graphics Controller	
		Sound Card	Standard	
		Network Adapter	On-Board 10/100/1000 base-T Ethernet Card, Microsoft Windows XP/7, Red Hat Linux Supportive, Wake on LAN (WOL) support	

		Screen	15.4" WXGA TFT, Active Matrix Display or higher, built-in webcam	
		I/O Interface	2 USB 2.0 Port. 1 RJ11 Jack for Modem, 1 RJ45 Jack for Ethernet, External VGA Port and other standard features	
		Communication	Modem, LAN, Bluetooth and Built-in Wifi. Wireless 802.11 a/b/g. Integrated 10/100BASE-T Ethernet LAN.	
		Wireless LAN	Built-In	
		PC Card Slots	One Type I or II	
		Battery	Li-ion Re-chargeable	
		Battery Back up Time	Minimum 5 Hours or higher	
		Mouse & Key Board	84/85 keys pad and integrated Touch Pad/Pointing Device	
		Mouse (External)	2.0 USB 2-Button Optical Mouse with Scroll	
		Carrying Case	Soft Leather Carrying Case	
		Operating System	Licensed Microsoft Windows XP/7 with licensed Symantec Antivirus	
		Accessories	Standard	
COMPUTER ACCESSORIES				
5	USB Flash Drive		8 GB or higher, pen drive or above with USB port, write protect, bootable, and other standard features.	20
UNINTERRUPTED POWER SUPPLY				
6	UPS for Server			2
BRANDS	APC (MGE), TRIPLITE, RIELLO, EMERSON/LIEBERT, POWERWARE, TECHNOWARE (ITALY), OPTI (USA)			
		Power	3.0 KVA	
		Battery	Dry	
		Battery Backup Time	Minimum 40 Minutes or higher on 70% load	
		Recharge Time	4-6 hours	
			Surge protection, processor control, Line Interactive Technology, Online double conversion technology, 0.8 Power Factor, Serial Bus/USB Port, Plug& Play, UPS Monitoring Software, with other standard features and with extra battery banks.	

7	UPS for Desktop			32
BRANDS	APC (MGE), TRIPLITE, RIELLO, EMERSON/LIEBERT, POWERWARE, TECHNOWARE (ITALY), OPTI (USA)			
		Power	650 VA	
		Battery	Dry	
		Battery Back up Time	Minimum 10 Minutes or higher on 70% load	
		Recharge Time	2-4 hours	
			Surge protection, processor control, Line Interactive Technology, Online double conversion technology, 0.8 Power Factor, Serial Bus/USB Port, Plug& Play, UPS Monitoring Software, with other standard features and with extra battery banks.	
8	UPS for Switch			6
BRANDS	APC (MGE), TRIPLITE, RIELLO, EMERSON/LIEBERT, POWERWARE, TECHNOWARE (ITALY), OPTI (USA)			
		Power	1.0 KVA	
		Battery	Dry	
		Battery Back up Time	Minimum 10 Minutes or higher on 70% load	
		Recharge Time	2-4 hours	
			Surge protection, processor control, Line Interactive Technology, Online double conversion technology, 0.8 Power Factor, Serial Bus/USB Port, Plug& Play, UPS Monitoring Software, with other standard features and with extra battery banks, , Rack mount 1 U with railing	
PRINTER				
9	Mobile Laser Printer			1
BRANDS	HP, Xerox, Samsung, Cannon			
		Print Speed	2 PPM (A4 Size) or Higher	
		Print Mode	B/W	
		Resolution	1200 x 600 dpi or higher	
		Paper Handling	Legal, A4	
		Battery Back up Time	Minimum 2 Hours or higher	
		Driver	Microsoft Windows XP/Vista/2007and Red Hat Linux	

			supportive	
			Blue tooth enabled, with standard features, USB cable, 100% full toner	
10	Light Duty Laser Printer			20
BRANDS	HP, Xerox, Samsung, Cannon			
		Print Speed	18 PPM (A4 Size) or higher	
		Print Mode	B/W	
		Resolution	1200 x 600 dpi or higher	
		Memory	8 MB RAM or higher	
		Paper Handling	Legal, A4	
		Paper Tray	Minimum 1, 1 manual handling	
		Driver	Microsoft Windows XP/Vista/2007and Red Hat Linux supportive	
			Blue tooth enabled, with standard features, USB cable, 100% full toner	
11	Medium Duty Network Laser Printer			6
BRANDS	HP, Xerox, Samsung, Cannon			
		Print Speed	25 PPM (A4 Size) or higher	
		Print Mode	B/W	
		Resolution	1200 x 600 dpi or higher	
		Processor	256 MHz RISC or higher	
		Memory	64 MB RAM or higher	
		Paper Handling	Legal, A4	
		Paper Tray	Minimum 2, 1 manual handling	
		Driver	Microsoft Windows XP/Vista/2007and Red Hat Linux supportive	
			Blue tooth enabled, with standard features, USB cable, 100% full toner, Network Ready, Low Ink indicator, Print cancel button, Duplex Printing, LCD Display of Print Status	

12	Heavy Duty Network Laser Printer			1
BRANDS	HP, Xerox, Samsung, Cannon			
		Print Speed	40 PPM (A4 Size) or higher	
		Print Mode	B/W	
		Resolution	1200 x 1200 dpi or higher	
		Processor	256 MHz RISC or higher	
		Memory	128 MB RAM or higher	
		Paper Handling	Legal, A4	
		Paper Tray	Minimum 4, 1 manual handling	
		Driver	Microsoft Windows XP/Vista/2007and Red Hat Linux supportive	
			Blue tooth enabled, with standard features, USB cable, 100% full toner, Network Ready, Low Ink indicator, Print cancel button, Duplex Printing, LCD Display of Print Status	
13	Medium Duty Network Laser Printer Color			1
BRANDS	HP, Xerox, Samsung, Cannon			
		Print Speed	15 PPM (A4 Size) or higher	
		Print Mode	B/W & Color	
		Resolution	1200 x 600 dpi or higher	
		Processor	360 MHz RISC or higher	
		Memory	32 MB RAM or higher	
		Paper Handling	Legal, A4	
		Paper Tray	Minimum 2, 1 manual handling	
		Driver	Microsoft Windows XP/Vista/2007& Red Hat Linux supportive	
			Blue tooth enabled, with standard features, USB cable, 100% full toner, Network Ready, Low Ink indicator, Print cancel button, Duplex Printing, LCD Display of Print Status	

14	Heavy Duty Network Laser Printer Color			
BRANDS	HP, Xerox, Samsung, Cannon			
		Print Speed	24 PPM (A4 Size) or higher	
		Print Mode	B/W & Color	
		Resolution	2400 x 600 dpi or higher	
		Processor	460 MHz RISC or higher	
		Memory	128 MB RAM or higher	
		Paper Handling	Legal, A4 or higher	
		Paper Tray	Minimum 2, 1 manual handling	
		Driver	Microsoft Windows XP/Vista/2007 and Red Hat Linux supportive	
			Blue tooth enabled, with standard features, USB cable, 100% full toner, Network Ready, Low Ink indicator, Print cancel button, Duplex Printing, LCD Display of Print Status	
For Printer, details are required about availability and price of Toner Cartridges, Cost per page (Toner Output) on normal mode printing, monthly duty cycle, software features provided along with printer.				
GENERATOR				
15	Generator with Accessories	Power	10 KVA	1
		Rated Watts	8000, for heavy duty professional use	
		Voltage	230 /115, Automatic Voltage Regulator	
		Socket	2x16A / 115V, 1x32A / 115V, 2x16A /230V, 1x32A / 230V	
		Frequency	50Hz	
		Phase	Single	
		Engine	GX 610 OHV 18HP V Twin, 4 Stroke	
		Fuel Type	Unleaded Petrol or Diesel	
		Fuel Capacity	16 Ltrs or More	
		Running Time	5 Hours or more on full load	
		Circuit Breaker	Yes MCB	
		Starting System	Electric Start	
		Net Weight	135 Kg	
		Oil Alert	Yes	
		Noise Level @	74 dBA	

		7m		
		Noise level EEC	99Lwa	
		Dimensions	1120 L x 720 W x 1350 H mm approx.	
SCANNER				
16	Heavy duty Scanner			1
BRANDS	HP, Cannon, Epson			
		Minimum Scan Speed	50 PPM or higher (A4 size Color @ 300)	
		Type	Simplex / Duplex ADF	
		Scan Mode	B/W & Color / Flatbad	
		Document Feeding	Automatic	
		ADF Capacity	100 Pages minimum	
		Resolution	600 x 600 dpi or higher	
		Paper Handling	Legal, A4	
		Paper Path	U-turn & Straight, for thick documents	
		Interface	USB II & SCSI-III	
		Drivers	Microsoft Windows XP/Vista/2007and Red Hat Linux supportive	
			with standard features, USB cable, U-turn Straight Paper path for thick documents	
17	Light Duty Scanner			1
BRANDS	HP, Cannon, Epson			
		Minimum Scan Speed	12 PPM or higher (A4 size B/W @ 200dpi)	
		Type	Simplex / Duplex ADF & Flatbed	
		Scan Mode	B/W & Color	
		Document Feeding	Automatic	
		Resolution	600 x 600 dpi or higher	
		Paper Handling	Legal, A4	
		Interface	USB II	
		Drivers	Microsoft Windows XP/Vista/2007and Red Hat Linux supportive	
			with standard features, USB cable, U-turn Straight Paper path for thick documents	

SOFTWARE				
18			Microsoft ISA Server 2006 Enterprise Edition	1
19			Microsoft Exchange server 2007 Standard Edition with 50 CALS	1
20			Microsoft share point portal server 2007	1
FURNITURE & FIXTURES				
21	Computer Table		Size (cm) 120*45*73 approximately, Made of laminated wood/natural polished wood. PVC semicircular lining to be fixed on the edges, Tabletop, High Pressure Laminated (HPL) tabletop, Color Matching the Chair, Wooden pull out keyboard tray	32
22	Computer Chair		Standard Cylinder, Adjustable seat height range that accommodates 95% of the population 5 feet to 6'-4", Self Adjusting Recline, Counter-balance recline mechanism, Support through full range of recline motion. No tension spring to adjust, Pivoting Backrest, Extra motion of the backrest during recline automatically adjusts to the changing needs of the spine, Form-Sensing Mesh, Self-adjusting lumbar support, Low abrasion mesh. Modular for easy replacement, Counter Seat Cushion, Carefully sculpted to match body contours, Modular for easy replacement, Dual-surface casters roll easily on carpeted/floors and quietly, Base caps on five-star base for wear protection and aesthetic appeal, Fixed armrests shaped easy with arms, Gross Weight (kg), 10 – 25 approximately	32

NETWORK EQUIPMENT				
23	Router		Cisco 2811 router, backplane capacity 1.6 Gbps, Built-in 2-10/100 Base Tports, LAN standards IEEE 802.3 CSMA/CD or Ethernet + IEEE 802.3u 100 Mbps (Fast Ethernet), Protocols ATM + Frame Relay + IP + ISDN + RTP + QSIG, Remote Management HTTP + SNMP 3, Firewall Content filtering, VPN protocols IPSec, Encryption DES & DES 3, RAM 256 MB, Flash Memory 64 MB with other standard features	1
24	Data Switch Layer 3		WS-C3560-24TS , Catalyst 3560, 24 10/100 + 2 SFP Standard Image or equivalent	1
25	Data Switch Layer 2		WS-C2950SX-24, 24 10/100 ports w/2 1000BASE-SX ports, Standard Image or equivalent	6
26	Equipment Rack		2 U, with Cooling Fan, Acoustically engineered to reduce noise, Ultra-Quiet Fan, 4 fully adjustable mounting rails with U position labels, 1 bottom cable access knockout, Nuts and Screws for easy rack mounting, Key-Lock Security on doors, Baked-Enamel finish, Seamless front door with clear glass	6

27	Wireless Access Point		IEEE 802.11 g / b / n, Standards One 10/100 Auto-Cross Over (MDI/MDI-X) Port, Power Port, Reset and SES Buttons, Category 5 (with RJ-45 connectors) Cabling Type, Power, Activity, Link LEDs , 802.11g: Typ. 13.5 +/- 2dBm @ Normal Temp Range, 802.11b: Typ. 16.5 +/- 2dBm @ Normal Temp Range Transmit Power, WPA, Linksys Wireless Guard (available in US and Canada only), WEP Encryption, MAC Filtering, SSID Broadcast Enable/Disable, WEP Key 64/128-Bit, IEEE 802.11g supports data rates up to 54Mbps, Backwards compatible with existing IEEE 802.11b devices, Easy wireless configuration with Secure Easy Setup push button, Supports WPA security and 64/128-bit WEP encryption, Built-in web UI configuration for easy configuration from any Web-browser, Firmware upgradable through web browser, Supports Wireless Bridging, Wireless Repeater, MAC Address Filtering, and Event Logging	4
28	Patch Panel		Fully compatible with Gigabit Ethernet, Meets FCC subpart 68 requirements Jack contacts, Insertion life -- 750 cycles minimum UL listed, Enhanced PC designed technology	7
	Passive Equipment			
29		Face Plate with Single I/O	Shuttered RJ-45 faceplate with single I/O and Dual outlets outlets for network connectivity	55
30		Patch Cable (3 Meter)	Ultra-High Quality Category 6 patch cable, Stranded conductors for greater flexibility, All patch cords tested for performance and continuity in accordance with industry standards	60

31		Patch Cable (2 Meter)	Ultra-High Quality Category 6 patch cable, Stranded conductors for greater flexibility, All patch cords tested for performance and continuity in accordance with industry standards	80
32		UTP Cable	UTP cable, connectors, ducts, pipes, etc. as per actual	
33	Wireless Bridge		5.8 GHz 54 Mbps Wireless Bridge with 23db Integrated Antenna 100 Base T Ethernet interface, Security Authentication ESSID WEP 40/128, ES	3 Pair
34			Link installation charges cover all architecture standards verified by professional architect	2
35			Guyed Pole	4
Turnkey solution required will include installation, configuration, deployment, commissioning, testing, training, support, etc. in consultation with the technical staff of the Purchaser. All passive solution mentioned quantities are estimated and shall be completed as per actual (APA) basis. The Tenderer shall provide exact type and quantity of Ducts to be installed for indoor fiber or cabling, fully functional power sockets (double the capacity) for each switch and UPS, Proper circuit breaker. Wireless equipment shall be properly & separately grounded and backed by proper circuit breakers with complete electric wiring in operational condition. Each switch shall have unique, fully routable and accessible IP address from each node. Installation of all Poles shall meet architecture standards and shall be verified from professional registered architect. Grounding of Poles shall be done along with highly arresters. Pole shall be painted for rust proofing. All cable shall be ducted properly and insulated to safe from environmental distortion.				

SPECIAL STIPULATIONS

SCHEDULE- A: SPECIAL STIPULATIONS	
For ease of reference, certain Special Stipulations are as under:	
Tender Security	The Tenderer shall furnish the Tender Security as under: for the whole Tender; if Total Tender Price is less than or equal to PKR 5 Million, in the form of Demand Draft / Pay Order / Call Deposit Receipt, in the name of the Purchaser; if the Total Tender Price is more than PKR 5 Million, in the form of Bank Guarantee, issued by a scheduled bank operating in Pakistan, in the name of the Purchaser, as per the format provided in the Tender Document or in another form acceptable to the Purchaser; for a sum equivalent to 2% of the Total Tender Price; denominated in a currency of the Tender; Have a minimum validity period of ninety days from the last date for submission of the Tender or until furnishing of the Performance Security, whichever is later.
Performance Security	The successful Tenderer shall furnish Performance Security as under: within three working days of the receipt of the Acceptance Letter from the Purchaser; in the form of a Bank Guarantee, issued by a scheduled bank operating in Pakistan, as per the format provided in the Tender Document or in another form acceptable to the Purchaser; for a sum equivalent to 10% of the contract value; denominated in a currency of the Contract; Have a minimum validity period of ninety days from the date of Award Notification or until the date of expiry of warranty period, whichever is later.
Delivery Point of Goods & Services	The Contractor shall deliver the Goods at various Punjab Government Offices in Punjab, as specified by the Purchaser at the time of delivery.
Start operation of Services after installation, configuration, deployment, commissioning, testing, and training.	Within four (04) weeks from the commencement date of Contract.
Liquidated damages for failure / delay in supply / Installation / configuration of Goods / Services / Works by the Contractor	a sum of money @.25% of the Contract Price which is attributable to such part of the Goods / the Services / the Works as cannot, in consequence of the failure / delay, be put to the intended use, for every day between the scheduled delivery date(s), with any extension of time thereof granted by the Purchaser, and the actual delivery date(s). Provided that the amount so deducted shall not exceed, in the aggregate, 50% of the Contract Price.

TENDER FORM

To:

Purchase officer
Punjab Information Technology Board
15-1-c, Model Town, Lahore.

Gentlemen:

1. We, [Name and Address of the Tenderer], having read, understood and accepted the Tender Document, including the Addendum(s), if any, offer to supply, install, configure, test, train and support the Goods and the Services, in conformity with the said Tender Document, to [Name and Address of the Purchaser], for the Total Tender Price of PKR (in figures _____) (in words _____), in accordance with the Price Schedule and the timeline, attached hereto and made part of the Tender.
2. We undertake that the Tender shall have a minimum validity period of ninety days from the last date for submission of the Tender and may be accepted at any time before the expiration of that period.
3. We undertake to provide the Performance Security to give satisfactory assurance of our ability and intention, for due performance / execution of the Contract in accordance with the terms and conditions of the Contract, in case of acceptance of the Tender.
4. We undertake that we are / shall be represented by an agent in that country equipped and able to carry out the maintenance, repair and spare parts stocking obligations prescribed in the Terms and Conditions of the Contract and / or the Technical Specifications, in case of acceptance of the Tender and of not doing business within the Purchaser's country.
5. We undertake to be bound by the Tender and the Acceptance Letter, which shall constitute a contract, until execution of the formal Contract.

Date this _____ day of 2010.

TENDERER

Signature _____
CNIC # _____
Name _____
Designation _____
Address _____

WITNESSES

Signature _____
CNIC # _____
Name _____
Designation _____
Address _____

Signature _____
CNIC # _____
Name _____
Designation _____
Address _____

Note: The Tender Form should be on the letterhead of the Tenderer.

AFFIDAVIT

1. We, [Name and Address of the Tenderer], do hereby declare on solemn affirmation that:
2. We have not been black listed from any Government Department / Agency.
3. We have not been involved in litigation with any client during the last 3 years.
4. We acknowledge that we have read, understood and accepted the Tender Document.
5. We understand that the Purchaser shall have the right, at his exclusive discretion, to require, in writing, further information or clarification of the Tender, from any or all the Tenderer(s).
6. We understand that the Purchaser shall have the right, at his exclusive discretion, to increase / decrease the quantity of any or all item(s), accept / reject any or all tender(s), cancel / annul the Tendering process at any time prior to award of Contract, without assigning any reason or any obligation to inform the Tenderer of the grounds for the Purchaser's action, and without thereby incurring any liability to the Tenderer and the decision of the Purchaser shall be final.

Date this _____ day of 2010.

TENDERER

Signature _____
CNIC # _____
Name _____
Designation _____
Address _____

WITNESSES

Signature _____
CNIC # _____
Name _____
Designation _____
Address _____

Signature _____
CNIC # _____
Name _____
Designation _____
Address _____

Note: The Tender Form should be on the letterhead of the Tenderer.

PRICE SCHEDULE

PRICE SCHEDULE						
Item No.	Item Description	Item Component	Minimum Specification	Qty	U/Price	T/Price
SERVERS						
BRANDS	IBM/LENOVO, COMPAQ/HP, DELL, ACER, FUJITSU/SIEMENS					
1	Mid Range Servers			3		
		Processor	Intel Xeon Quad Core E5520, 2 X2.26.GHz, 8MB I3, 5.860GT/s			
		Mother Board	Server Board Server E5520 Chipset with DUAL Processor Scalability / Upgradeability			
		ECC Memory	16 GB DDR-3, 1066 MHz, RDIMMs Memory Modules for 2 Processors expandable to 144 GB or higher Support			
		Hard Disk Drive	2 x 300GB 10K RPM 2.5 inch SAS Hard Drives			
		Drive Controller	Integrated (Serial Attached SCSI) SAS controller			
		RAID Controller	Integrated RAID Controller with 256MB Battery Backup Cache (Supporting RAID 0, 1, 5, etc)			
		Optical Drive	Super Drive			
		Display Card	As per manufacturer standards			
		Network Adapter	Built in Dual Gigabit Ethernet (NT & Win2000, 2003, Red Hat Linux Supportive) with wake on LAN (WOL)			
		I/O Interface	As per manufacturer standard			

		Mouse & Key Board	As per manufacturer standard			
		Chassis	Manufacturer Standard casing with standard Power Supply, 2U Rack mount			
		Rack Support	Sliding Ready Rails with cable manager			
		Power Supply	Hot-Swap Redundant (2) Power Supply as per manufacturer Standards			
		System Management, recovery , configuration software	Management capabilities should include Operating System Based Management Monitoring and server assistant, Remote Management, Configuration Management, Event Scheduling, Alert Management, Web Management, RAID Management, Software Inventory, Failure analysis software for processors, disks, memory, voltage, power supplies, fans etc.			
		Operating System	Licensed MS Win Server 2008 Standard Edition with 5 CALs OEM with SP2 or higher			
		Anti Virus	Licensed Norton Anti Virus (latest version)			

2	Server Rack			1		
		Size	42 U (coupled)			
		Power Distribution Unit	220-240 Volts			
		Display	1-U 15" flat or higher panel display			
		Key Board/Mouse	Rack Key Board with track ball / touchpad			
		Shelf	2			
		Switch	8-Port KVM			
		Cable	5 x KVM			
PERSONAL COMPUTER						
3	Desktop Professional Use			32		
BRANDS	IBM/LENOVO, COMPAQ/HP, DELL, ACER, FUJITSU/SIEMENS					
		Processor	Intel Core 2 Duo 2.93 GHz, E7500, with Built-in 3 MB L2 Cache, 1066 FSB, or higher			
		Mother Board	Intel Chipset Q45 or higher			
		Memory	2 GB DDR-2, SDRAM 667 MHz or higher (With life time warranty)			
		Hard Disk	Min 160 GB SATA-3.0 GB/S with 7200 RPM or higher (The serial numbers of the HD Drives quoted by the local brand should be verifiable from the manufacturer)			
		Super Drive Internal	CD+/-RW and 8X DVD RW 16X DVD R or higher, compatible with Microsoft Windows XP/7 and Red Hat Linux			
		Video Card	Built-in			
		Sound Card	Built-in			

		Network Adapter	Built-in 10/100/1000 base-T Gigabit Ethernet card, Microsoft Windows XP/7, Red Hat Linux Supportive, Wake on LAN (WOL) support			
		Monitor	17" TFT Monitor, Low Radiation, 1024 x 768 Resolution supportive			
		I/O Interface	Min four (4) USB 2.0 ports, Min Two PCI slots, etc.			
		Modem/Fax Card	Internal 56 Kbps, V.92 PCI Data/Fax Modem			
		Mouse & Key Board	Standard Keyboard and 2.0 USB 2Button Optical Mouse with Scroll			
		Casing	For local brands: Intel tested Chassis/Power supply For Foreign Brands: Manufacturer Standard casing with standard Power Supply			
		Operating System	Licensed Microsoft Windows XP/7 with licensed Symantec Antivirus			
4	Laptop/Notebook Professional Use			11		
BRANDS	IBM/LENOVO, COMPAQ/HP, DELL, ACER, FUJITSU/SIEMENS					
		Processor	Intel Pentium M, Core 2 Duo 2.53 GHz, P8700, with Built-in 3 MB L2 Cache, 1066 FSB, or higher			
		Mother Board	Intel Chipset Centrino Pro			

		Memory	2 GB of DDR-II 800 MHz or higher			
			1 GB DDR-2, SDRAM 667 MHz or higher			
		Hard Disk	250 GB, 7200 RPM, SATA II or higher			
		Super Drive	CD+/-RW and 8X DVD RW 16X DVD R or higher, Microsoft Windows XP/7 and Red Hat Linux compatible			
		Video Card	On-board Graphics Controller			
		Sound Card	Standard			
		Network Adapter	On-Board 10/100/1000 base-T Ethernet Card, Microsoft Windows XP/7, Red Hat Linux Supportive, Wake on LAN (WOL) support			
		Screen	15.4" WXGA TFT, Active Matrix Display or higher, built-in webcam			
		I/O Interface	2 USB 2.0 Port. 1 RJ11 Jack for Modem, 1 RJ45 Jack for Ethernet, External VGA Port and other standard features			
		Communication	Modem, LAN, Bluetooth and Built-in Wifi. Wireless 802.11 a/b/g. Integrated 10/100BASE-T Ethernet LAN.			
		Wireless LAN	Built-In			
		PC Card Slots	One Type I or II			
		Battery	Li-ion Re- chargeable			

		Battery Back up Time	Minimum 5 Hours or higher			
		Mouse & Key Board	84/85 keys pad and integrated Touch Pad/Pointing Device			
		Mouse (External)	2.0 USB 2-Button Optical Mouse with Scroll			
		Carrying Case	Soft Leather Carrying Case			
		Operating System	Licensed Microsoft Windows XP/7 with licensed Symantec Antivirus			
		Accessories	Standard			
COMPUTER ACCESSORIES						
5	USB Flash Drive		8 GB or higher, pen drive or above with USB port, write protect, bootable, and other standard features.	20		
UNINTERRUPTED POWER SUPPLY						
6	UPS for Server			2		
BRANDS	APC (MGE), TRIPLITE, RIELLO, EMERSON/LIEBERT, POWERWARE, TECHNOWARE (ITALY), OPTI (USA)					
		Power	3.0 KVA			
		Battery	Dry			
		Battery Backup Time	Minimum 40 Minutes or higher on 70% load			
		Recharge Time	4-6 hours			
			Surge protection, processor control, Line Interactive Technology, Online double conversion technology, 0.8 Power Factor, Serial Bus/USB Port, Plug& Play, UPS Monitoring Software, with other standard features and with extra battery			

			banks.			
7	UPS for Desktop			32		
BRANDS	APC (MGE), TRIPLITE, RIELLO, EMERSON/LIEBERT, POWERWARE, TECHNOWARE (ITALY), OPTI (USA)					
		Power	650 VA			
		Battery	Dry			
		Battery Back up Time	Minimum 10 Minutes or higher on 70% load			
		Recharge Time	2-4 hours			
			Surge protection, processor control, Line Interactive Technology, Online double conversion technology, 0.8 Power Factor, Serial Bus/USB Port, Plug& Play, UPS Monitoring Software, with other standard features and with extra battery banks.			
8	UPS for Switch			6		
BRANDS	APC (MGE), TRIPLITE, RIELLO, EMERSON/LIEBERT, POWERWARE, TECHNOWARE (ITALY), OPTI (USA)					
		Power	1.0 KVA			
		Battery	Dry			
		Battery Back up Time	Minimum 10 Minutes or higher on 70% load			
		Recharge Time	2-4 hours			
			Surge protection, processor control, Line Interactive Technology, Online double conversion technology, 0.8 Power Factor, Serial Bus/USB Port, Plug& Play, UPS Monitoring			

			Software, with other standard features and with extra battery banks, , Rack mount 1 U with railing			
PRINTER						
9	Mobile Laser Printer			1		
BRANDS	HP, Xerox, Samsung, Cannon					
		Print Speed	2 PPM (A4 Size) or Higher			
		Print Mode	B/W			
		Resolution	1200 x 1200 dpi or higher			
		Paper Handling	Legal, A4			
		Battery Back up Time	Minimum 2 Hours or higher			
		Driver	Microsoft Windows XP/Vista/2007and Red Hat Linux supportive			
			Blue tooth enabled, with standard features, USB cable, 100% full toner			
10	Light Duty Laser Printer			20		
BRANDS	HP, Xerox, Samsung, Cannon					
		Print Speed	18 PPM (A4 Size)			
		Print Mode	B/W			
		Resolution	1200 x 1200 dpi or higher			
		Memory	8 MB RAM			
		Paper Handling	Legal, A4			
		Paper Tray	Minimum 1, 1 manual handling			
		Driver	Microsoft Windows XP/Vista/2007and Red Hat Linux supportive			
			Blue tooth enabled, with standard features, USB cable, 100%			

			full toner			
11	Medium Duty Network Laser Printer			6		
BRANDS	HP, Xerox, Samsung, Cannon					
		Print Speed	25 PPM (A4 Size)			
		Print Mode	B/W			
		Resolution	1200 x 1200 dpi or higher			
		Processor	256 MHz RISC			
		Memory	64 MB RAM			
		Paper Handling	Legal, A4			
		Paper Tray	Minimum 2, 1 manual handling			
		Driver	Microsoft Windows XP/Vista/2007and Red Hat Linux supportive			
			Blue tooth enabled, with standard features, USB cable, 100% full toner, Network Ready, Low Ink indicator, Print cancel button, Duplex Printing, LCD Display of Print Status			
12	Heavy Duty Network Laser Printer			1		
BRANDS	HP, Xerox, Samsung, Cannon					
		Print Speed	40 PPM (A4 Size)			
		Print Mode	B/W			
		Resolution	600 x 600 dpi or higher			
		Processor	256 MHz RISC			
		Memory	128 MB RAM			
		Paper Handling	Legal, A4			
		Paper Tray	Minimum 4, 1 manual handling			
		Driver	Microsoft Windows XP/Vista/2007and Red Hat Linux supportive			

			Blue tooth enabled, with standard features, USB cable, 100% full toner, Network Ready, Low Ink indicator, Print cancel button, Duplex Printing, LCD Display of Print Status			
13	Medium Duty Network Laser Printer Color			1		
BRANDS	HP, Xerox, Samsung, Cannon					
		Print Speed	15 PPM (A4 Size)			
		Print Mode	B/W & Color			
		Resolution	600 x 600 dpi or higher			
		Processor	460 MHz RISC			
		Memory	32 MB RAM			
		Paper Handling	Legal, A4			
		Paper Tray	Minimum 2, 1 manual handling			
		Driver	Microsoft Windows XP/Vista/2007& Red Hat Linux supportive			
			Blue tooth enabled, with standard features, USB cable, 100% full toner, Network Ready, Low Ink indicator, Print cancel button, Duplex Printing, LCD Display of Print Status			
14	Heavy Duty Network Laser Printer Color					
BRANDS	HP, Xerox, Samsung, Cannon					
		Print Speed	30 PPM (A4 Size)			
		Print Mode	B/W & Color			
		Resolution	600 x 600 dpi or higher			
		Processor	460 MHz RISC			

		Memory	32 MB RAM			
		Paper Handling	Legal, A4			
		Paper Tray	Minimum 2, 1 manual handling			
		Driver	Microsoft Windows XP/Vista/2007and Red Hat Linux supportive			
			Blue tooth enabled, with standard features, USB cable, 100% full toner, Network Ready, Low Ink indicator, Print cancel button, Duplex Printing, LCD Display of Print Status			
For Printer, details are required about availability and price of Toner Cartridges, Cost per page (Toner Output) on normal mode printing, monthly duty cycle, software features provided along with printer.						
GENERATOR						
15	Generator with Accessories	Power	10 KVA	1		
		Rated Watts	8000, for heavy duty professional use			
		Voltage	230 /115, Automatic Voltage Regulator			
		Socket	2x16A / 115V, 1x32A / 115V, 2x16A /230V, 1x32A / 230V			
		Frequency	50Hz			
		Phase	Single			
		Engine	GX 610 OHV 18HP V Twin, 4 Stroke			
		Fuel Type	Unleaded Petrol or Diesel			
		Fuel Capacity	16 Ltrs or More			
		Running Time	5 Hours or more on full load			
		Circuit Breaker	Yes MCB			
		Starting System	Electric Start			
		Net Weight	135 Kg			
		Oil Alert	Yes			

		Noise Level @ 7m	74 dBA			
		Noise level EEC	99Lwa			
		Dimensions	1120 L x 720 W x 1350 H mm approx.			
SCANNER						
16	Heavy duty Scanner			1		
BRANDS	HP, Cannon, Epson					
		Minimum Scan Speed	50 PPM (A4 size Color)			
		Scan Mode	B/W & Color			
		Document Feeding	Flatbed			
		ADF Capacity	100 Pages minimum			
		Resolution	600 x 600 dpi or higher			
		Paper Handling	Legal, A4			
		Paper Path	U-turn & Straight, for thick documents			
		Interface	USB II & SCSI-III			
		Drivers	Microsoft Windows XP/Vista/2007and Red Hat Linux supportive			
			with standard features, USB cable, U-turn Straight Paper path for thick documents			
17	Light Duty Scanner			1		
BRANDS	HP, Cannon, Epson					
		Minimum Scan Speed	12 PPM (A4 size B/W)			
		Scan Mode	B/W & Color			
		Document Feeding	Flatbed			
		Resolution	600 x 600 dpi or higher			
		Paper Handling	Legal, A4			
		Interface	USB II			

		Drivers	Microsoft Windows XP/Vista/2007and Red Hat Linux supportive			
			with standard features, USB cable, U-turn Straight Paper path for thick documents			
SOFTWARE						
18			Microsoft ISA Server 2006 Enterprise Edition	1		
19			Microsoft Exchange server 2007 Standard Edition with 50 CALS	1		
20			Microsoft share point portal server 2007	1		
FURNITURE & FIXTURES						
21	Computer Table		Size (cm) 120*45*73 approximately, Made of laminated wood/natural polished wood. PVC semicircular lining to be fixed on the edges, Tabletop, High Pressure Laminated (HPL) tabletop, Color Matching the Chair, Wooden pull out keyboard tray	32		

22	Computer Chair	Standard Cylinder, Adjustable seat height range that accommodates 95% of the population 5 feet to 6'-4", Self Adjusting Recline, Counter-balance recline mechanism, Support through full range of recline motion. No tension spring to adjust, Pivoting Backrest, Extra motion of the backrest during recline automatically adjusts to the changing needs of the spine, Form-Sensing Mesh, Self-adjusting lumbar support, Low abrasion mesh. Modular for easy replacement, Counter Seat Cushion, Carefully sculpted to match body contours, Modular for easy replacement, Dual-surface casters roll easily on carpeted/floors and quietly, Base caps on five-star base for wear protection and aesthetic appeal, Fixed armrests shaped easy with arms, Gross Weight (kg), 10 – 25 approximately	32		
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NETWORK EQUIPMENT						
23	Router		Cisco 2811 router, backplane capacity 1.6 Gbps, Built-in 2-10/100 Base Tports, LAN standards IEEE 802.3 CSMA/CD or Ethernet + IEEE 802.3u 100 Mbps (Fast Ethernet), Protocols ATM + Frame Relay + IP + ISDN + RTP + QSIG, Remote Management HTTP + SNMP 3, Firewall Content filtering, VPN protocols IPSec, Encryption DES & DES 3, RAM 256 MB, Flash Memory 64 MB with other standard features	1		
24	Data Switch Layer 3		WS-C3560-24TS, Catalyst 3560, 24 10/100 + 2 SFP Standard Image or equivalent	1		
25	Data Switch Layer 2		WS-C2950SX-24, 24 10/100 ports w/2 1000BASE-SX ports, Standard Image or equivalent	6		
26	Equipment Rack		2 U, with Cooling Fan, Acoustically engineered to reduce noise, Ultra-Quiet Fan, 4 fully adjustable mounting rails with U position labels, 1 bottom cable access knockout, Nuts and Screws for	6		

			easy rack mounting, Key-Lock Security on doors, Baked-Enamel finish, Seamless front door with clear glass			
27	Wireless Access Point		IEEE 802.11 g / b / n, Standards One 10/100 Auto-Cross Over (MDI/MDI-X) Port, Power Port, Reset and SES Buttons, Category 5 (with RJ-45 connectors) Cabling Type, Power, Activity, Link LEDs , 802.11g: Typ. 13.5 +/- 2dBm @ Normal Temp Range, 802.11b: Typ. 16.5 +/- 2dBm @ Normal Temp Range Transmit Power, WPA, Linksys Wireless Guard (available in US and Canada only), WEP Encryption, MAC Filtering, SSID Broadcast Enable/Disable, WEP Key 64/128-Bit, IEEE 802.11g supports data rates up to 54Mbps, Backwards compatible with existing IEEE 802.11b devices, Easy wireless configuration with Secure Easy Setup push button, Supports WPA security and	4		

			64/128-bit WEP encryption, Built-in web UI configuration for easy configuration from any Web-browser, Firmware upgradable through web browser, Supports Wireless Bridging, Wireless Repeater, MAC Address Filtering, and Event Logging			
28	Patch Panel		Fully compatible with Gigabit Ethernet, Meets FCC subpart 68 requirements Jack contacts, Insertion life -- 750 cycles minimum UL listed, Enhanced PC designed technology	7		
	Passive Equipment					
29		Face Plate with Single I/O	Shuttered RJ-45 faceplate with single I/O and Dual outlets outlets for network connectivity	55		
30		Patch Cable (3 Meter)	Ultra-High Quality Category 6 patch cable, Stranded conductors for greater flexibility, All patch cords tested for performance and	60		

			continuity in accordance with industry standards			
31		Patch Cable (2 Meter)	Ultra-High Quality Category 6 patch cable, Stranded conductors for greater flexibility, All patch cords tested for performance and continuity in accordance with industry standards	80		
32		UTP Cable	UTP cable, connectors, ducts, pipes, etc. as per actual			
33	Wireless Bridge		5.8 GHz 54 Mbps Wireless Bridge with 23db Integrated Antenna 100 Base T Ethernet interface, Security Authentication ESSID WEP 40/128, ES	3 Pair		
34			Link installation charges cover all architecture standards verified by professional architect	2		
35			Guyed Pole	4		
Grand Total (Amount)						
Turnkey solution required will include installation, configuration, deployment, commissioning, testing, training, support, etc. in consultation with the technical staff of the Purchaser. All passive solution mentioned quantities are estimated and shall be completed as per actual (APA) basis. The Tenderer shall provide exact type and quantity of Ducts to be installed for indoor fiber or cabling, fully functional power sockets (double the capacity) for each switch and UPS, Proper circuit breaker. Wireless equipment shall be properly & separately grounded and backed by proper circuit breakers with complete electric wiring in operational condition. Each switch shall have unique, fully routable and accessible IP address from each node. Installation of all Poles shall meet architecture standards and shall be verified from professional registered architect. Grounding of Poles shall be done along with highly arresters. Pole shall be painted for rust proofing. All cable shall be ducted properly and insulated to safe from environmental distortion.						

TENDER SECURITY FORM

WHEREAS [Name and Address of the Tenderer] (hereinafter called "the Tenderer") has submitted Tender against Tender No. _____ (hereinafter called "the Tender") to the [Name and Address of the Purchaser] (hereinafter called "the Purchaser") for the Total Tender Price of PKR (in figures _____) (in words _____).

AND WHEREAS [Name of the Bank] having registered office at [Address of the Bank] (hereinafter called "the Guarantor") has agreed to give the Tenderer a Guarantee;

THEREFORE the Guarantor hereby affirms to bind himself, his successors and his assigns to the Purchaser, for the sum of PKR (in figures _____) (in words _____) and undertakes to pay to the Purchaser, upon receipt of his written demand(s), any sum(s) as specified by him, not exceeding the above limit in aggregate, without cavil / argument and without the Purchaser having to substantiate / prove or to show grounds / reasons for such claim(s), on the occurrence of any / all of the following conditions:

1. If the Tenderer withdraws the Tender during the period of the Tender validity specified by the Tenderer on the Tender Form; or
2. If the Tenderer does not accept the corrections of his Total Tender Price; or
3. If the Tenderer, having been notified of the acceptance of the Tender by the Purchaser during the period of the Tender validity, fails or refuses to furnish the Performance Security, in accordance with the Tender Document.

Provided that the Purchaser shall specify the occurred condition(s) owing to which the said sum is due to him.

Provided further that any demand(s) / claim(s) from the Purchaser shall reach the Guarantor within thirty working days after the expiry of the Guarantee.

This guarantee shall remain valid up to _____ or until furnishing of the Performance Security, whichever is later.

Date this _____ day of 2010.

GUARANTOR

Signature _____
CNIC # _____
Name _____
Designation _____
Address _____

PERFORMANCE SECURITY

WHEREAS [Name and Address of the Contractor] (hereinafter called "the Contractor") has agreed to supply the Goods and render the Services against Tender No. _____ (hereinafter called "the Contract") for the Contract Value of PKR (in figures _____) (in words _____).

AND WHEREAS it has been stipulated in the Tender Document that the successful Tenderer shall furnish Performance Security, within three working days of the receipt of the Acceptance Letter from the Purchaser, in the form of a Bank Guarantee, issued by a scheduled bank operating in Pakistan, as per the format provided in the Tender Document or in another form acceptable to the Purchaser, for a sum equivalent to 10% of the contract value, valid from the date of issue until all obligations have been fulfilled in accordance with the Contract;

AND WHEREAS [Name of the Bank] having registered office at [Address of the Bank] (hereinafter called "the Guarantor") has agreed to give the Contractor a Guarantee;

THEREFORE the Guarantor hereby affirms to bind himself, his successors and his assigns to the Purchaser, for the sum of PKR (in figures _____) (in words _____) and undertakes to pay to the Purchaser, upon receipt of his written demand(s), any sum(s) as specified by him, not exceeding the above limit in aggregate, without cavil / argument and without the Purchaser having to substantiate / prove or to show grounds / reasons for such claim(s), on the occurrence of any / all of the following conditions:

1. If the Contractor commits a default under the Contract;
2. If the Contractor fails to fulfill any of the obligations under the Contract;
3. If the Contractor violates any of the provisions of the Contract.

Provided that the Purchaser shall specify the occurred condition(s) owing to which the said sum is due to him.

Provided further that any demand(s) / claim(s) from the Purchaser shall reach the Guarantor within thirty working days after the expiry of the Guarantee.

This guarantee shall remain valid up to _____ or until all obligations have been fulfilled in accordance with the Contract, whichever is later.

Date this _____ day of 2010.

GUARANTOR

Signature _____
CNIC # _____
Name _____
Designation _____
Address _____

CONTRACT

This Contract is made on _____ 2010 at Lahore

Between

[Name & Address of the Purchaser] (hereinafter referred to as "the Purchaser") of the one part

And

[Name & Address of the Contractor] (hereinafter referred to as "the Contractor") of the other part

Which expression shall include their respective heirs, legal representatives, successors, assignees & nominees.

For

supply of Computer Software, Hardware, Computer Peripherals, Computer Accessories, Networking Equipment, Office Equipment, Office Furniture, UPS, Power Generator, etc. (hereinafter referred to as "the Goods") and for installation, configuration, deployment, commissioning, testing, training, after-sale support, etc. of said Goods (hereinafter referred to as "the Services").

1. The Contractor hereby covenants with the Purchaser to supply the Goods and provide the Services and to remedy defects / damage therein, at the time and in the manner, in conformity in all respects with the provisions of the Contract, in consideration of the payments to be made by the Purchaser to the Contractor.
2. The Purchaser hereby covenants with the Contractor to pay the Contractor, the Contract Price or such other sum as may become payable, at the times and in the manner, in conformity in all respects with the provisions of the Contract, in consideration of supply of the Goods and provision of the Services and remedying of defects / damage therein.
3. The following shall be deemed to form and be read and construct as part of this Contract:
 - a. The Tender Document
 - b. Terms and Conditions of the Contract
 - c. Special Stipulations
 - d. The Technical Specifications
 - e. Tender Form
 - f. Price Schedule
 - g. Affidavit
 - h. Authorized Dealership / Agency Certificate
 - i. Financial Summary
 - j. Tender Security
 - k. Performance Security
4. This Contract shall prevail over all other documents. In the event of any discrepancy / inconsistency within the Contract, the above Documents shall prevail in the order listed above.

5. IN WITNESS whereof the parties hereto have caused this Contract to be executed, in the presence of the witnesses and in accordance with their respective laws, the day and the year first above written.

PURCHASER

Signature _____
CNIC # _____
Name _____
Designation _____
Address _____

CONTRACTOR

Signature _____
CNIC # _____
Name _____
Designation _____
Address _____

WITNESSES

Signature _____
CNIC # _____
Name _____
Designation _____
Address _____

Signature _____
CNIC # _____
Name _____
Designation _____
Address _____