

BID NO: May-2014/SPQEPMS/Hardware

Tender Document

For

Purchase of Hardware

(Desktop Computer, Printer, UPS, Interactive Integrated Computer cum Projector, LED TV etc)

For

**Society for Promotion of Quality Education for
Poor & Meritorious Students of Punjab**

Key dates

Date of Issue of Bid Document	29 th May 2014 onwards
Date of Pre-bid Conference	5 th June 2014 at 11:00 am
Last date for Sale of Bid Document	16 th June 2014 till 2:00 pm
Last date for submission of bid:	16 th June till 4:30 pm
Pre-Qualification Opening	17 th June at 11:00 am

**Society for Promotion of Quality Education for
Poor & Meritorious Students of Punjab (SPQEPMS)
4th Floor, Block-E, Punjab School Education Board Complex, Phase-8,
Mohali (Punjab)
Ph. No. 0172-5212311, 5212305, 5212319 Email: hoicttech@gmail.com**

For participating in the above e-tendering process, the Contractors shall have to get themselves registered with etender.punjabgovt.gov.in and get user ID Password. Class-3 Digital Signature is mandatory to participate in the e-tendering process. For any clarification/difficulty regarding e-tendering process please, contacts on 9257209340/ 8054628821/0172-3934667.

CONDITIONS:

1. Interested bidders can purchase the tender document online from website.
2. Tender processing fee to ITI shall be strictly paid through online mode (IPG/ Net Banking). Other mode of payment will not be considered.
3. Bidders/ Contractors, who wish to submit online tender can access tender document from the website, fill them and submit the completed tender document into Electronic Tender on the website itself. Bidders / Contractors shall attach scanned copies of all the paper, i.e. Earnest Money deposited, Tender Form Cost, Processing Fee & the certificates as required in Eligibility criteria.
4. Corrigendum / Addendum / Corrections, if any will be published on the website.
5. If the date of opening of tender happens to be a holiday then the tender will be opened on the next working day.

Note: -

The prospective bidders have the option to download the tender document from www.etender.punjabgovt.gov.in; they have to pay non-refundable fee of **Rs.5000/-(Five Thousand only)** and Processing Fees through online mode only (IPG/ Net Banking). The payments of Tender form fee and EMD through online mode should be submitted before **16th June 2014 till 4:30pm**, failing to which bid of respective bidders would not be opened.

If, cost of the Tender Document & EMD are not paid as per above, the bid will be rejected out rightly.

Aspiring bidders who have not obtained the User ID and Password for participating in e-tendering may obtain the same by registering in e-procurement portal (<http://etender.punjabgovt.gov.in>).

Authorized Signatory

BID SUMMARY

Bid No.	EMD (Rs.) (to be submitted online)	Bid Document Cost (Rs.) Non-refundable	Last Date & Time	
			Bid Submission	Bid Opening
May-2014/SPQEP MS/Hardware	Rs. 500000/-	Rs. 5000/-	16 th June 2014 till 4:30 pm	17 th June at 11:00 am

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SECTION I INVITATION FOR BIDS

Society for Promotion of Quality Education for Poor & Meritorious Students of Punjab (SPQEPMS) invites bids from the established, reputed and experienced firms or authorized dealers for supply & Installation of Hardware for Society for Promotion of Quality Education for Poor & Meritorious Students of Punjab as per the following technical configuration:

Sr. No.	Item Description	Quantity
1.	Desktop Computers	276
2.	Laser Printers	36
3.	Integrated Computer cum Projector (ICP)	138
4.	Online UPS 5 KVA	12
5.	Online UPS 2 KVA	12
6.	Online UPS 1 KVA	150
7.	Line Interactive UPS 800 VA	12
8.	42" LED TVs	18
9.	Multifunction Photocopier Machine with LAN port	6
10.	Networking – Patch Cords	276
	Total	936

(*Quantity may vary)

Note:

1. Selected Vendor shall be responsible for installing the Hardware at Senior Secondary Schools for Meritorious Students located in 6 Districts i.e. Mohali, Patiala, Bathinda, Ludhiana, Jalandhar and Amritsar and it should be functional with-in 60 days from date of order.
2. The selected bidder shall be responsible for operation and maintenance of all hardware items during the warranty period.
3. The bidder shall quote those makes and models of equipment which are end of support or end of life in next 2 years from the date of bidding.

Bid conditions

1. Bidders are advised to study the Bid Document carefully. Submission of Bids shall be deemed to have been done after careful study and examination of the Bid Document with full understanding of its implications.
2. Bid should be prepared in accordance with the procedures enumerated in Clause 1 of Section II should be submitted online
3. The bidder must deposit an Earnest Money Deposit (EMD) of Rs.5,00,000/- (Rupees Five Lacs only) through online mode only. Draft/Cheque / Money order / Cash will not be accepted. Failing to which, bid will be rejected. The EMD deposited should not attract any interest.
4. This Bid document is not transferable.
5. The tenders of only those bidders, who have purchased the documents in their names, will be considered.
6. The Society for Promotion of Quality Education for Poor & Meritorious Students of Punjab (SPQEPMS) reserves the rights to reject any bid or all the bids without assigning any reasons and revising quantity, fine-tuning specifications as per requirement of Society before opening the commercial bids.
7. The bidder will accept all conditions of the Bid Document unconditionally or depending upon the decisions of the Tender Evaluation Committee.

8. Schedule for Invitation to Bid:

- a) Name of the concern by whom the bids are called is:
Society for Promotion of Quality Education for Poor & Meritorious Students of Punjab (SPQEPMS), 4th Floor, Block-E, Punjab School Education Board Complex, Phase-8, Mohali (Punjab)
- b) Place, Time and Date of Pre-Bid Conference :
**5th June 2014 at 11:00 am in the Office of DPI(SE) Punjab
Society for Promotion of Quality Education for Poor & Meritorious Students of Punjab (SPQEPMS), 4th Floor, Block-E, Punjab School Education Board Complex, Phase-8, Mohali (Punjab)**
- c) Website on which Bids are to be submitted:
<http://etender.punjabgovt.gov.in>
- d) Last time and date for submission of bids:
16th June 2014 upto 4:30 pm,
- e) Place Time and Date of opening of Pre-qualification bids:
**17th June 2014 at 11:00 am in the Office of DPI(SE) Punjab
Society for Promotion of Quality Education for Poor & Meritorious Students of Punjab (SPQEPMS), 4th Floor, Block-E, Punjab School Education Board Complex, Phase-8, Mohali (Punjab)**
- f) Technical bids of only the Pre-qualified bidders will be **opened and scrutinized at the same time (same date, as per 'd' above)** and if need be, on the following day(s) to be announced on the spot.
- g) Date till which the bid is valid: **180 days from last date of submission of bids.**

Society for Promotion of Quality Education for Poor & Meritorious Students of Punjab

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Note: The Client shall not be responsible for any postal delays about non-receipt/ non-delivery of the documents. All late bids/ incomplete bids would be rejected out rightly.

SECTION II INSTRUCTIONS TO BIDDERS

A. Introduction

1 Procedure for Submission of Bids

Bids are to be submitted online and in two parts:

- a) Pre-qualification documents..
- b) Technical Bid.
- c) Commercial Bid.

1.1 The Bidder shall have to qualify the pre-qualification Bid.

1.2 **Pre-Qualification Bids** will be opened on the prescribed date and time.

1.3 **Technical Bids** of only those Bidders will be opened who qualify the **Pre-Qualification round** after the initial processing of pre-qualification bid on the same day or at a date and time to be notified on the same day.

1.4 Please note that commercial aspects (prices, cost, charges, etc.) should not be indicated in the Pre-qualification Bid or the Technical Bid and should be quoted only in the Commercial Bid.

1.5 Bid". Commercial Bid should only indicate prices in the prescribed format.

1.6 The bids cannot be uploaded after the last date of submission of bid.

1.7 Each copy of the bid should be a complete document with Index & page numbering.

2 Cost of Bid document

2.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, including cost of presentation for the purposes of clarification of the bid, if so desired by the Client and Client will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Bidding process.

3 The Bidder is expected to carefully examine all instructions, forms, terms and specifications in the Bid Document. Failure to furnish all information required in the Bid Document or submission of a bid not substantially responsive to the Bid Document in every respect will be at the Bidder's risk and may result in the rejection of the bid.

4 Clarification regarding Bid Document

4.1 A prospective Bidder requiring any clarification of the Bid Document may notify the Client in writing at the Client's mailing address indicated in Clause 8 of Section I. The Client will respond in writing to any request for clarification of the Bid Document, received, not later than 7 days prior to the last date for the receipt of bids prescribed by the Client. Written copies of the Client response (including an explanation of the query but without identifying the source of Inquiry will be sent to all prospective Bidders who have received the Bid Documents.

5 Amendment of Bid Document.

5.1 At any time upto the last date for receipt of bids, the Client, may for any reason, whether at his own initiative or in response to a clarification requested by a prospective Bidder, modify the Bid Document by an amendment.

5.2 The amendment will be notified in writing or by telex or cable or e-mail to the prospective Bidders who have received the Bid Documents and will be binding on them.

5.3 In order to afford prospective Bidders reasonable time or otherwise for any other reason, in which to take the amendment into account in preparing their bids, the Client may, at his discretion, extend the last date for the receipt of Bids.

B. Preparation of Bids

6 Language of Bids

6.1 The Bids prepared by the Bidder and all correspondence and documents relating to the bids exchanged by the Bidder and the Client, shall be written in the English language, provided that any printed literature furnished by the Bidder may be written in another language so long as accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern.

7 Documents Comprising the Bids

- 7.1 Conditional bids shall not be entertained.
- 7.2 The Bids prepared by the Bidders shall comprise of following components (Bid documents are to be submitted in the order of pre-qualification clauses along index page no., otherwise bid will be disqualified):
- a) Bid Proposal sheet duly filled in, signed and complete in all respects. (Performa -I)
 - b) Qualifying data duly filled in as per relevant Performa provided in the bid proposal that the Bidder is eligible to bid and is qualified to perform the contract, if its bid is accepted (Performa -II)
 - c) The Bidder must submit Earnest Money Deposit (EMD) of Rs. 5 Lac (Rupees Five Lac only) through online mode only, failing to which the bid will be rejected.
 - d) **Company Financial Status:** The Bidder must have an average annual turnover of minimum Rs 10 Crores for the preceding last three financial years as on 31/03/2014. The Bidder should have been making profit for last two years as on 31/03/2014. The average turnover of OEM of quoted products - Computers, UPS, ICP, LED TV, Printer/ Multifunction Photocopier must be Rs. 250 crore, Rs.20 crore, Rs.50 crore, Rs.100 crore, Rs. 50 crore respectively in last three years as on 31/03/2014.
 - e) The Bidder must be an OEM partner and authorized service partner (ASP) with authorization certificate for Hardware being quoted.
 - f) The Bidder must have executed 2 (Two) similar projects of value Rs. 75 lac (each) and above in last 3 years upto 31/03/2014.
 - g) The Bidder must have minimum 10 (Ten) engineers on rolls for upkeep and maintenance of all Hardware.
 - h) The Bidder should have a fully functional office in Chandigarh/Mohali. If not, the selected bidder shall open its office within one month from the award of contract.
 - i) The Bidder must have valid PAN issued by Income Tax Authorities, India.
 - j) The Bidder must have valid State Sales Tax and CST Number. If no, the Bidder will give undertaking that the Sales Tax Number shall be submitted to the client before the signing of the contract.

Technical Bid shall consist of the following: -

- (a) Technical Deviations, if any, from the terms and conditions and specifications as specified in the Bidding Documents (Performa-III). Failing which, it would be assumed that there are no technical deviations and the full responsibility lies on the Bidder.
- (b) Technical Brochures of the product quoted and also current certifications asked for in the detailed technical specifications should also be enclosed.

Commercial Bid consisting of the following: -

- (a) Bid prices for the Technical Specifications duly filled, signed and complete as per the Price Schedule on the prescribed Quotation Performa (Performa-IV).
- (b) **Price Schedule I:** The bidder is required to submit unit rates.
 - The prices will be valid for a period of six months from the date of issue of work order.
 - Society for Promotion of Quality Education for Poor & Meritorious Students of Punjab (SPQEPMS) may issue order(s) for any quantity as per its requirements within six months and the bidder shall be required to supply and install the requisite units at the specified locations.

SECTION - III
TERMS AND CONDITIONS OF THE BID

- 1.1 The client reserves the right to carry out the capability assessment of the Bidders and the client's decision shall be final in this regard.
- 1.2 The individual signing the bid or other document, in connection with the bid must certify as to whether he or she has signed as:
 - a) A "Sole proprietor" of the firm or constituted attorney of such sole proprietor.
 - b) A partner of the firm, if it be partnership, in which case he must have authority to refer to arbitration disputes concerning the business partnership either by virtue of the partnership agreement or a power of attorney. In the alternative, all the partners should sign the bid.
 - c) Constituted attorney of the firm, if it is a company
 - d) Lead partner of the consortium.
- 1.3 The bidder shall not sub-contract any part of the contract without written permission of the client.

2 STANDARDS:

The Goods supplied under this contract shall conform to the standard mentioned in the Technical Specifications, and when no applicable standards are mentioned, to the authoritative standards. Such Standard shall be the latest issued by the concerned institution governing that standard.

3 INSTALLATION PERIOD & DELAYS

The Supply and Installation period would be 60 days from the date of signing the contract.

In the event of delay in the supply and installation, specified above, the bidder shall be liable to pay a penalty @ Rs. 5000/ per week or part thereof for the delay at the respective location/site subject to a maximum of 5% of the total contract value for 5 weeks maximum, after which SPQEPMS shall be at liberty to cancel the contract and forfeiture of earnest money/ Performance Bank Guarantee. For the purpose of this clause, part of a week shall be considered to be a full week

- 3.1 The delivery period should be adhered to as will be mentioned in the Award of Contract. The supply shall actually be deemed to have been complete on the actual date of entire installation of all components/ items.

4 Standard of performance

Bidder shall carry out the supply order and carry out its obligations under the contract with due diligence, efficiency and economy in accordance with generally accepted norms techniques and practices used in the industry. Bidder shall also adhere to professional implementation and support services during the execution of the work order.

It shall employ appropriate advanced technology and safe and effective equipment, machinery, material and methods. Bidder shall always act in respect of any matter relating to this contract, as faithful advisors to the client and shall, at all times, support and safeguard the clients legitimate interests in any dealings with the third party.

5 Use of contract documents and information

- 5.1 Bidder shall not, without the client's prior written consent, disclose the contract or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of client in connection therewith to any person other than a person employed by Bidder in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 5.2 Bidder shall not without the purchaser's prior written consent, make use of any document or information.
- 5.3 Any document other than the contract itself shall remain the property of the client and shall be returned (in all copies) to the client on completion of the Bidder's performance under the contract if so required by the client.

6 Performance Bank Guarantee:

- 6.1 The successful bidder will submit Performance Bank Guarantee of 10% of the total amount of contract **within 4 (four) weeks of the signing of the contract and would be valid** for a period of 3 years. EMD will be returned back to all the bidders.

7 SCHEDULE OF PAYMENT:

- 7.1 The payment terms shall be as per follows:
 - 7.1.1 70% of the total cost will be released to the bidder after successful delivery and installation of all items at the locations. The successful bidder will get the installation report duly signed from the respective head of the school
 - 7.1.2 The remaining 30% will be released in 3 equal installments annually.

8 WARRANTY PERIOD:

- 8.1 **Hardware and System Software:** The Bidder will be responsible for a comprehensive warranty of three years from the date of acceptance to be issued by society for all hardware items and for operation & maintenance of all system software products.
- 8.2 Bidder will not remove the equipment without the written permission of the person or officer concerned.
- 8.3 The response time for attending the faults will be four (4) hours after they are reported to the Bidder through any communication mode. The Bidder will rectify the faults within 24 clock hours failing which the Bidder will arrange temporary replacements in next 24 clock hours. The services shall be provided on all week days.
- 8.4 The Bidder will do preventive maintenance (PM) once in Six(6) months for hardware Systems running. The PM may generally be done on Non-working days/ Beyond General Shift Hours with the prior permission of the person or officer concerned at the installation location.
- 8.5 In case the Bidder fails to maintain the 97% uptime of the comprehensive system of each location, the Bidder will be liable for a penalty @ 0.5% of the contract amount per deficient %age uptime.
- 8.6 In case of default, the client will have the right to arrange maintenance at the risk and cost of Bidder, from any other source and shall adjust the charges

from the payment due to Bidder. Client decision shall be final in this regard and will be binding on the Bidder.

9 PRICE FALL:

9.1 The prices charged for the Hardware items supplied under the contract by the bidder shall in no event exceed the lowest price from last 3 months before bid submission at which Bidder sells the Hardware or offers to sell Hardware of identical description to the Department of the Central or State Government or any Statutory undertaking of the central or State Government, as the case may be, before the supply of IT resources.

9.2 If, at any time during the said period the bidder reduces the sale price, sells, or offers to sell such hardware items to any person/organization including the purchaser or any Department of State or Central Government or any statutory Undertaking of the Central or State Government as the case may be, at a price lower than the price chargeable under the contract, the bidder shall forthwith notify such reduction, or sale or offer to sell to the purchaser and the price payable under the contract for the supply of material after the date of coming into force of such reduction or sale or offer to sell shall stand correspondingly reduced.

10 TAXES AND DUTIES:

10.1 The bidder shall be entirely responsible for all taxes, levies, cess, Octroi, duties, license fees, etc. incurred until delivery of the contracted hardware to the purchaser. No C or D form will be issued.

11 INSURANCE:

11.1 The equipment supplied under the contract shall be fully/ comprehensively insurance covered throughout the contract period of Three years by the bidder against loss, theft or damage.

11.2 In case of any loss, theft or damage, the selected bidder shall replace those items within 3 weeks after the receipt of FIR copy. In case of any delay beyond 3 weeks, the permission from Head Office shall be obtained by the selected bidder for the same.

11.3 Society will not provide Non-Traceable Reports (NTR) to the selected in case of any theft. However, the required assistance would be provided to the selected bidder in this regard.

12 Liquidated Damages:

In the event of delay in the supply and installation, specified above, the bidder shall be liable to pay a penalty @ Rs. 5000/ per week or part thereof for the delay at the respective location/site subject to a maximum of 5% of the total contract value for 5 weeks maximum, after which SPQEPMS shall be at liberty to cancel the contract and forfeiture of earnest money/ Performance Bank Guarantee. For the purpose of this clause, part of a week shall be considered to be a full week

13 Suspension:

13.1 The client may by a written notice of suspension to the Bidder, suspend all payments to the Bidder under the contract, if the Bidder failed to perform any of its obligations under this contract provided that such notice of suspension:

13.1.1 Shall specify the nature of the failure.

13.1.2 Shall request the bidder to remedy such failure within a specified period from the date of receipt of such notice of suspension by the bidder.

14 Termination for default:

14.1 The client may, without prejudice, to any other remedy for breach of contract, by written notice of default sent to the bidder, terminate the contract in whole or in part if:

14.1.1 The bidder fails to deliver any or all of the obligations within the time period(s) specified in the contract, or any extension thereof granted by the client.

14.1.2 The bidder fails to performs any other obligation(s) under the contract.

14.1.3 The Bidder shall be given maximum of two opportunities of 30 days each to improve his service level and meet the obligations as per the contract.

15 Termination for insolvency:

The client may at any time terminate the contract by giving written notice to the bidder without compensation to the bidder, if the bidder becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or effect any right of action or remedy which has accrued thereafter to the client.

16 “No claim” Certificate:

The bidder shall not be entitled to make any claim, whatsoever, against the client under or by virtue of or arising out of this contract nor shall the client entertain or consider any such claim, if made by the bidder after he shall have signed a “no claim” certificate in favour of the client in such forms as shall be required by the client after the works are finally accepted.

17 Documents prepared by the bidder to be the Property of the Client

All plans, drawings, specifications, designs and other documents prepared by the bidder in the execution of the contract shall become and remain the property of the client, and before termination or expiration of this contract, the bidder shall deliver all such documents to the client under the contract along with the detailed inventory thereof.

18 Confidentiality:

The bidder and their personnel shall not, either during the term or after expiration of this contract, disclose any proprietary or confidential information relating to the services, contract or the client’s business or operations without the prior written consent of the client.

19 Force Majeure:

19.1 Notwithstanding the provisions of the bid, the bidder shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance are other failure to

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perform its obligations under the contract is the result of an event of Force Majeure.

19.2 For purposes of this Clause, "Force Majeure" means an event beyond the control of the bidder and not involving the bidder and not involving the bidder's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the client either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes

19.3 If a Force Majeure situation arises, the bidder shall promptly notify the client in writing of such conditions and the cause thereof. Unless otherwise directed by the client in writing, the bidder shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. The client may terminate this contract, by giving a written notice of minimum 30 days to the bidder, if as a result of Force Majeure, the bidder being unable to perform a material portion of the services for a period of more than 60 days.

20 Governing Language:

The contract shall be written in the language of the bid, as specified by the client, in the instructions to the bids. Subject to clause 6 of Section 2, that language version of the contract shall govern its interpretation. All correspondence and other documents pertaining to the contract which are exchanged by the parties shall be written in that same language.

21 Resolution of Disputes:

A steering group shall be found comprising of authorized representative of DSE and the HARDWARE PROVIDER. The group shall tackle the implementation related and operational issues and any frontline disputes. The HARDWARE PROVIDER and DSE shall make every effort to resolve any disagreement or dispute arising between them amicably.

Only in situations where such disputes do not get amicably resolved even after 15 days from the commencement of such informal negotiation between the two parties, either party may required that the dispute be refered for resolution to the formal mechanisms that may include, but are not restricted to the ones specified below:-

- a. Conciliation mediated by a mutually agreed third party.
- b. Adjudication in a form comprising the Principal Secretary, DSE and the authorized representative of the HARDWARE PROVIDER.
- c. DSE and the HARDWARE PROVIDER shall nominate one arbitrator each and these arbitrators shall nominate a third arbitrator to conduct the proceeding under the arbitration and reconciliation act.

The cost of such arbitration shall be shared equally between HARDWARE PROVIDER and DSE.

Settlement of any dispute by above means shall be constructed as final and binding to both the parties,

21 OTHER CONDITIONS:

- 21.1 Risk purchase at the cost of bidder will be made on the failure of the bidder to make supply as per Terms and Conditions. The difference of excess in cost thus incurred will be received from the bidder in a suitable manner and even from his pending bills, earnest money or security whichever is available.
- 21.2 In all matters and disputes arising there under, the appropriate Courts at Chandigarh alone shall have jurisdiction to entertain and try them.

Section IV
DETAILED TECHNICAL SPECIFICATIONS

Society for Promotion of Quality Education for Poor & Meritorious Students of Punjab (SPQEPMS) invites bids from the established, reputed and experienced firms or authorized dealers for supply & Installation of Hardware for Society for Promotion of Quality Education for Poor & Meritorious Students of Punjab as per the following requirement:

Sr. No.	Item Description	Quantity
1.	Desktop Computers	276
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7.	Line Interactive UPS 800 VA	12
8.	42" LED TVs	18
9.	Multifunction Photocopier Machine with LAN port	6
10.	Networking – Patch Cords	276
	Total	936

(*Quantity may vary)

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Distribution of the equipment per site is as per under:

S.NO	Used for	Item	Quantity Per School
1	Principal Room	42" LEd TV	1
		Desktop Computer	1
		Laser Printer	1
		UPS (800VA)	1
2	Office Room & Staff Room	Desktop Computer	4
		Online UPS(1 KVA)	2
		Multifunction Photocopier Machine with LAN port	1
		Laser Printer	2
3	Class Room & Three Science Labs	Interactive Integrated Computer cum Projector	23
		Online UPS (1KVA)	23
4	Computer Lab(To be installed in Two Class Rooms)	Desktop Computer	30
		Laser Printer	2
		Online UPS (5 KVA)	2
5	Hostel (Boys and Girls)	Desktop Computer	10
		Online UPS (2 KVA)	2
		42" LEd TV	2
6	Library	Desktop Computer	1
		UPS (800 VA)	1
		Laser Printer	1

(*Quantity may vary)

Detailed technical configurations of Server, Desktop Computer, Dot Matrix Printer, Power peripherals, Networking components etc

1	Desktop Computer	CPU	Intel Core i3 (3.30 GHz/ 3 MB)/ AMD equivalent or higher
		Motherboard	Intel H 6X or AMD 7x/nVIDIA series chipset or better
		Bus Architecture	Integrated Graphics, 2 PCI full height, 1 PCI Express x 1
		Memory	4 GB 1333 MHz or higher DDR3 RAM upgradable to 8 GB
		Hard Disk Drive	500 GB 7200 rpm Serial ATA HDD (Seagate/ Samsung/ Hitachi/ Maxtor)
		Digital Colour Monitor	18.5" LED 16:9 Monitor TCO 05(same brand as PC). TCO should be in name of PC OEM; Energy Star compliant
		Keyboard	104 Keys Keyboard (Same brand as PC)
		Mouse	Optical with USB interface scroll (Same band as PC) with pad
		Ports	6 USB Ports (with at least 2 in front), 1 Serial Port, 1 Parallel port, 1 PS/2 Keyboard and 1 PS2 Mouse Port, audio ports for microphone and headphone in front
		Cabinet	Mini tower
		DMI/Certification	DMI 2.0 Compliance and Support and UL listed, ERTL certified.
		DVD Drive	24 x internal DVD writer (LG or Samsung or OEM)
		Networking facility	10/100/1000 on board integrated Network Port
		OS Certifications	Preloaded Win 2007 Professional OS (academic edition) Media and Documentation and Certificate of Authenticity
		Power	250 W or higher SMPS to withstand the load of 2 shared computing devices installed inside system.
Parts Authenticity	Manufacturer brand Stamping/ screen printing/ Sticker on RAM and Hard Disk, Motherboard)		
Preloaded Antivirus	Symantec or Norton or McAfee or eTrust or e-Scan or Software Fore front or Trend Micro or PC Tool or Quick heal Antivirus (Latest Version) with 3 years License		

2.	Laser Printer	Print speed	Up to 22 ppm (A4)
		First-Page-Out	As fast as 7 sec
		Resolution	1200 dpi effective output
		Duty Cycle	Up to 8000 pages
		Processor	266 MHz
		Std	8 MB
		Input	10-sheet priority feed slot; 250-sheet input tray
		Output	150-sheet face-down bin
		Duplex	Manual (driver support provided)
		Sizes	A4, Letter, Legal
		Paper Weights (g/m ²)	60 to 163 g/m ²
		Types	Paper (laser, plain, photo, rough, vellum), envelopes, labels, cardstock, transparencies, postcards
		Power Consumption	active: 420 watts ; standby: 1.2 watts ; powersave: 0.9 watts (auto-off) ; off: 0.5 watts
		Languages	Host-based printing
		Interfaces	Hi-Speed USB 2.0 port

SL. No.	Component	Feature	Specification
3	Interactive Integrated Computer cum Projector	Display Engine	
		Brightness	2500 - ANSI Lumens SVGA (Short Throw)
		Contrast Ratio	2500:1
		Lamp Life	4000 Hrs (Standard Mode) 3000 Hrs (Bright Mode)
		In- Built Interactivity	Optical & Laser Technology
		Computing Engine	
		CPU	Intel Core i3 Processor
		Chipset	Intel Chipset
		Memory	2GB DDR III
		Graphics	Integrated Graphics
		Storage	500 GB SATA II 7200 RPM
		Optical Drive	DVD RW
		System Audio I/O	Internal amplifier with 30 Watts audio output with volume control
			Option for Connecting External Speaker
			Microphone input
External I/O	2 USB In Front & 2 USB at Back		
	1xGbps		
	VGA out for connecting external monitor		

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		Installation/Cabling	Projector should be mounted properly in the classroom/lab at appropriate distance from white board considering the size of white board of 6' X 4'. Bidder will also be responsible for electrical wiring from UPS to the ICP and Ethernet CAT6 wire from network I/O available in the room to the ICP
		Software's	Interactive teaching software with facilities like writing, screen recording for the purpose of interactive projector.
		Pointer/Pen	Electronic pointer / interactive Pen

4.	5 KVA Online UPS System:-	<table border="1"> <tr> <td>• Manufacturer</td> <td>• ISO 9001 & ISO 14001 Certified</td> </tr> <tr> <td>• TECHNOLOGY</td> <td>• RoHS Compliant</td> </tr> <tr> <td>• TECHNOLOGY</td> <td>• IGBT based PWM Technology Microprocessor Controlled Double Conversion True On-line UPS</td> </tr> <tr> <td>Overall Efficiency (AC-AC)</td> <td>≥90%</td> </tr> <tr> <td colspan="2" style="text-align: center;">INPUT</td> </tr> <tr> <td>Voltage range</td> <td>160V – 280V (full load); 120V-280V (50% load)</td> </tr> <tr> <td>Frequency range</td> <td>47 to 53 Hz</td> </tr> <tr> <td>Phase</td> <td>Single Phase with ground</td> </tr> <tr> <td>Power Factor</td> <td>≥0.95</td> </tr> <tr> <td colspan="2" style="text-align: center;">OUTPUT</td> </tr> <tr> <td>Voltage</td> <td>220VAC-230VAC</td> </tr> <tr> <td>Voltage regulation</td> <td>+/-2% (or better)</td> </tr> <tr> <td>Frequency regulation</td> <td>50 Hz +/-0.1% (free Run Mode)</td> </tr> <tr> <td>Harmonic Distortion (THD)</td> <td>< 3% (linear load)</td> </tr> <tr> <td>Waveform</td> <td>Pure Sinewave</td> </tr> <tr> <td>Crest Factor</td> <td>3:1</td> </tr> <tr> <td>Load power factor</td> <td>0.8 lag or better</td> </tr> <tr> <td>Battery Backup</td> <td>60 minutes with full load</td> </tr> <tr> <td>Battery Type</td> <td>Sealed Lead Maintenance Free VRLA type (Lead Calcium SMF batteries NOT acceptable)</td> </tr> <tr> <td>DC Bus Voltage</td> <td>As per OEM Architecture</td> </tr> <tr> <td>Transfer Time</td> <td>0 ms</td> </tr> <tr> <td>Battery Enclosure</td> <td>Powder Coated racks matching with color of UPS.</td> </tr> <tr> <td>Battery Brands</td> <td>Reputed & Reliable brands like Exide, Panasonic, Rocket, Hitachi, Quanta, CSB, Base Terminal, Okaya, Luminous, Amaraja or same brand of UPS OEM.</td> </tr> <tr> <td>Operating Temperature</td> <td>0 to 40 Degree C</td> </tr> <tr> <td>Audible Noise</td> <td><55 dB at 1 mtr distance</td> </tr> <tr> <td>Alarms & Indications</td> <td>All necessary alarms & indications essential for performance monitoring of UPS like mains fail, low battery & fault detection should be provided through intelligent LCD Display.</td> </tr> <tr> <td>Bypass</td> <td>Automatic Bypass Switch</td> </tr> <tr> <td>Compatibility</td> <td>UPS to be compatible with DG Set supply</td> </tr> <tr> <td>Communication Interface Standard</td> <td>RS 232 port for software interface</td> </tr> <tr> <td>Certifications</td> <td>For Safety & EMC as per international standards</td> </tr> <tr> <td>Others</td> <td>Cold start (without batteries) Automatic fan speed control (as load varies)</td> </tr> </table>	• Manufacturer	• ISO 9001 & ISO 14001 Certified	• TECHNOLOGY	• RoHS Compliant	• TECHNOLOGY	• IGBT based PWM Technology Microprocessor Controlled Double Conversion True On-line UPS	Overall Efficiency (AC-AC)	≥90%	INPUT		Voltage range	160V – 280V (full load); 120V-280V (50% load)	Frequency range	47 to 53 Hz	Phase	Single Phase with ground	Power Factor	≥0.95	OUTPUT		Voltage	220VAC-230VAC	Voltage regulation	+/-2% (or better)	Frequency regulation	50 Hz +/-0.1% (free Run Mode)	Harmonic Distortion (THD)	< 3% (linear load)	Waveform	Pure Sinewave	Crest Factor	3:1	Load power factor	0.8 lag or better	Battery Backup	60 minutes with full load	Battery Type	Sealed Lead Maintenance Free VRLA type (Lead Calcium SMF batteries NOT acceptable)	DC Bus Voltage	As per OEM Architecture	Transfer Time	0 ms	Battery Enclosure	Powder Coated racks matching with color of UPS.	Battery Brands	Reputed & Reliable brands like Exide, Panasonic, Rocket, Hitachi, Quanta, CSB, Base Terminal, Okaya, Luminous, Amaraja or same brand of UPS OEM.	Operating Temperature	0 to 40 Degree C	Audible Noise	<55 dB at 1 mtr distance	Alarms & Indications	All necessary alarms & indications essential for performance monitoring of UPS like mains fail, low battery & fault detection should be provided through intelligent LCD Display.	Bypass	Automatic Bypass Switch	Compatibility	UPS to be compatible with DG Set supply	Communication Interface Standard	RS 232 port for software interface	Certifications	For Safety & EMC as per international standards	Others	Cold start (without batteries) Automatic fan speed control (as load varies)
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		Overall Efficiency (AC-AC)	≥up to 93%
		INPUT	
		Voltage range	160V – 280V (full load); 120V-280V (50% load)
		Frequency range	47 to 53 Hz
		Phase	Single Phase with ground (L-N-G)
		Power Factor	*>0.99, >-0.95
		OUTPUT	
		Voltage	200 VAC(2)/208 VAC(2)/220 VAC/240 VAC
		Voltage regulation	+/-1% (or better)
		Frequency regulation	50/60Hz+/-0.1Hz(free running mode)
		Harmonic Distortion (THD)	< 3% (linear load)
		Waveform	Pure Sinewave
		Crest Factor	3:1
		Load power factor	0.8 lag or better
		Battery Backup	60 minutes with full load
		Battery Type	Sealed Lead Maintenance Free VRLA type (Lead Calcium SMF batteries NOT acceptable)
		DC Bus Voltage	As per OEM Architecture
		Transfer Time	0 ms
		Battery Enclosure	Powder Coated racks matching with color of UPS.
		Battery Brands	Reputed & Reliable brands like Exide, Panasonic, Rocket, Hitachi, Quanta, CSB, Base Terminal, Okaya, Luminous, Amaraja or same brand of UPS OEM.
		Operating Temperature	0 to 45 deg. C
		Audible Noise	50 dB at 1 meter
		Alarms & Indications	All necessary alarms & indications essential for performance monitoring of UPS like mains fail, low battery & fault detection should be provided through intelligent LCD Display.
		Bypass	Automatic Bypass Switch
		Compatibility	UPS to be compatible with DG Set supply
		Communication Interface Standard	RS 232 port for software interface
		Certifications	For Safety & EMC as per international standards
		Others	Cold start (without batteries) Automatic fan speed control (as load varies)
5.	1 KVA Online UPS System:-	<ul style="list-style-type: none"> Manufacturer TECHNOLOGY 	<ul style="list-style-type: none"> ISO 9001 & ISO 14001 Certified RoHS Complaint IGBT based PWM Technology Microprocessor Controlled Double Conversion True On-line UPS
		Overall Efficiency (AC-AC)	≥up to 90%
		INPUT	
		Voltage range	160V – 280V (full load); 120V-280V (50% load)
		Frequency range	47 to 53 Hz
		Phase	Single Phase with ground (L-N-G)

		Power Factor	*>0.99, >-0.95
		OUTPUT	
		Voltage	200 VAC(2)/208 VAC(2)/220 VAC/240 VAC
		Voltage regulation	+/-1% (or better)
		Frequency regulation	50/60Hz+/-0.1Hz(free running mode)
		Harmonic Distortion (THD)	< 3% (linear load)
		Waveform	Pure Sinewave
		Crest Factor	3:1
		Load power factor	0.8 lag or better
		Battery Backup	60 minutes with full load
		Battery Type	Sealed Lead Maintenance Free VRLA type (Lead Calcium SMF batteries NOT acceptable)
		DC Bus Voltage	As per OEM Architecture
		Transfer Time	0 ms
		Battery Enclosure	Powder Coated racks matching with color of UPS.
		Battery Brands	Reputed & Reliable brands like Exide, Panasonic, Rocket, Hitachi, Quanta, CSB, Base Terminal, Okaya, Luminous, Amaraja or same brand of UPS OEM.
		Operating Temperature	0 to 45 deg. C
		Audible Noise	50 dB at 1 meter
		Alarms & Indications	All necessary alarms & indications essential for performance monitoring of UPS like mains fail, low battery & fault detection should be provided through intelligent LCD Display.
		Bypass	Automatic Bypass Switch
		Compatibility	UPS to be compatible with DG Set supply
		Communication Interface Standard	RS 232 port for software interface
		Certifications	For Safety & EMC as per international standards
		Others	Cold start (without batteries) Automatic fan speed control (as load varies)
6.	Line Interactive 800 VA UPS System:-	<ul style="list-style-type: none"> Manufacturer ISO 9001 & ISO 14001 Certified 	
		INPUT	
		Nominal Voltage	220/230/240 Vac
		Acceptable Voltage.	175-265V (UPS mode)
		Frequency Low Voltage Transfer	40Hz-53Hz
			185Vac+2% UPS mode
		Low Voltage Return	200Vac+/-2% UPS mode
		High Voltage Transfer	255Vac+/-2% UPS mode
		High Voltage return	240Vac+/-2% UPS mode
		Nominal Voltage	220/230/240 Vac
		OUTPUT	
		Voltage	190V-245V
		Voltage Regulation	<3% RMS for entire battery voltage range
		Frequency Line Mode	Same as AC Mains input

		Battery Mode	50Hz+/-0.1Hz
		Power Factor	0.8
		Wave Form	Pure Sine Wave
		Efficiency	>85%
		Overload Line mode	>200%, then mains On LED blink continuously
		Protection Battery Mode	110%-150% for 10sec; >150% for 200ms.
		Short Circuit Line mode	FUSE
		Protection Battery Mode	Electronic Circuit
		Cold Start	Yes
		Typical	<10ms
		Battery Voltage	12VDC
		Recharging Current	up to 20A
		Protection Feature	Battery Low/High/Bad/Loose connection/Over charge,Over load,Over Temperature,Short Circuit,Phase reverse,MCB trip, Battery Water Reminder for Battery protection,Battery Water Reminder for Battery protection.
		Interface	RS232
7.	42" LED TV	Size	106.7 cm (42")
		Resolution	1920 X 1080p (Full HD 1080p) or higher
		Brightness	400-450 cd/m ²
		Contrast Ratio	500,000:1 or higher
		Aspect Ratio	16:9
		Response Time	8 ms or less
		Connectivity	AV in , HDMI in , VGA in , PC Audio in , AV Out , USB 2.0 or more
		Viewing Angle	178° (Right/Left), 178° (Up/Down)
		Color System	PAL / SECAM / AUTO
		Backlight Module	LED
		Operating Voltage	AC 110 ~ 240 V , 50/60 Hz
		Audio Output	RMS 15 watts X 2 or better
		Audio & Video Cable	VGA Cable of Approx 5 Mtr Length for connection from TV to CPU
		Energy Efficiency	Annual Maximum Power Consumption should not exceed 349 KWh and power consumption should be less than 1 watt in standby mode, Energy star® qualified
8.	Multifunction Photocopier Machine	MFP Type	Printer / Scanner / Copier
		Print Type	Monochrome
		Print Technology	Laser
		Maximum Page Size	A3
		Placement	Desktop
		Number of pages per month	Minimum 25000
		Monochrome Print Resolution	600 x 600 dpi (b/w A3)
		Print Speed	20 pages/min (b/w A4) / 10 pages/min
		Printer Warm-up Time	Approx. 20 seconds

		Scanner Type	Flatbed / Sheet-Feed
		Maximum Original Size	A3
		Maximum Scan Size	297x432
		Shades of Gray	256
		Scanner Resolution	600x600 dpi
		Standards	TWAIN / WIA
		Copier Resolution	600x600 dpi
		Copy Speed	20 pages/min (b/w A4) / 10 pages/min (b/w A3)
		Copier Warm-up Time	Approx. 20 Seco nds
		Rescaling	50-200 %
		Scale Step	1 %
		Paper Feed	Minimum 300 pages
		Paper Output	Minimum 250 pages
		Paper Tray Capacity	Minimum 50 pages.
		Paper Weight	cards / labels / glossy paper / envelope / matte paper
		Print on...	60-110 g/m2
		Display	LCD
		Interfaces	Ethernet (RJ-45) / USB 2.0
		RAM	128 MB or more
		Duplex	Yes
		Client OS	Windows / Linux
		Automatic Document Feeder	Bilateral
		Automatic Document Feeder Capacity	Min 50 pages
9.	Patch Cords	CAT-6	Length – 5 / 8 meters or more as per the requirements at the site

Note:

1. Selected Vendor is responsible for installing the Hardware at Senior Secondary Schools for Meritorious Students located in 6 Districts i.e. Mohali, Patiala, Bathinda, Ludhiana, Jalandhar and Amritsar and it should be functional with-in 45 days from date of order.
2. The selected bidder will be responsible for operation and maintenance of all hardware items during the warranty period.
3. The bidder shall quote those makes and models of equipment which are end of support or end of life in next 2 years from the date of bidding.
4. The bidder will deploy one dedicated resource with telephone/mobile no. at their office in Mohali for coordination purposes.
5. The System software products required for IT infrastructure would be separately procured by the society. The bidder would have to install and maintain system software products during the contract period of three years.
6. The Bidder will also be responsible for maintenance of school wide networking during the contract period of three years.
7. The bidder will also provide web based complaint registration system for filing complaints and status of resolution of defects. This will be used by the dedicated person for facilitating the various stakeholders for various MIS related reports.

Society for Promotion of Quality Education for Poor & Meritorious Students of Punjab

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8. The bidder will provide the system generated uptime report cum penalty report duly signed by concerned school principal and respective District Education Officer (S.E) for payment purposes.
9. The bidder will maintain the infrastructure at sites as per the Service Level Agreement (to be provided later).
10. The Selected bidder will provide two day training to all teachers regarding use of I.T equipments in teaching.
11. Benchmarking:- Society will also carry out benchmarking of installed hardware items in school on random basis at any time and any number.
12. The client reserves the right to vary the quantity of the equipment at the time of awarding the contract.

4.0 DEVIATIONS

We declare that all the services shall be performed strictly in accordance with the fine-tuned Technical specifications and other bid document except the deviations as mentioned in the Technical deviation Performa (Performa-III) Further we agree that additional conditions, if any, found in the proposal documents, other than those stated in deviations Performa, shall not be given effect to.

5.0 BID PRICING

We further declare that the prices stated in our proposal are in accordance with your terms & conditions in the bidding document.

6.0 QUALIFYING DATA

We confirm having submitted in qualifying data as required by you in your bid document. In case you require any further information/documentary proof in this regard before evaluation of our bid, we agree to furnish the same in time to your satisfaction.

7.0 CONTRACT PERFORMANCE SECURITY

We hereby declare that in case the contract is awarded to us, we shall submit the Performance Guarantee Bond in the form of Bank Guarantee as per terms of bid document.

- 7.1 We hereby declare that our proposal is made in good faith, without collusion or fraud and the information contained in the proposal is true and correct to the best of our knowledge & belief.
- 7.2 Bid submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.
- 7.3 We understand that you are not bound to accept the lowest or any bid you may receive.

Thanking you,

faithfully,

Yours

(Signature)

Date:

Name:

Place:

Designation:

Business Address:

Seal

Performa -II
PARTICULARS OF BIDDER & MANUFACTURER

- BIDDER'S PARTICULARS FOR BID NO. _____
1. Name of the Bidder _____
 2. Address of the Bidder _____

 4. Year of Establishment _____
 5. Annual turnover of the firm for the _____
last 3 successive years.
 6. Name of the Dept./Institution where _____
the supply of hardware/Networking has _____
already been done _____
 9. Service facilities available for maintenance _____

 11. Bidder's proposal number & date _____
 12. Name & address of the officer _____
to whom all references shall _____
be made regarding this bid _____

Telephone

Fax No.

As of this date the information furnished in all parts of this form is accurate and true to the best of my knowledge.

Witness:

Signature _____
Name _____
Designation _____
Address _____

Company _____
Date _____

Signature _____
Name _____
Designation _____
Address _____

Company _____
Date _____

Company Seal

(With name & designation of the person signing the bid)

PRE-QUALIFICATION CHECKLIST & ORDER IN WHICH DOCUMENTS ARE SUBMITTED

Name of bidder: _____

S. No.	Condition / Item	Yes/ No
1.	Bid Proposal sheet duly filled in, signed and complete in all respects. (Performa -I)	
2.	Qualifying data duly filled in as per relevant Performa provided in the bid proposal that the Bidder is eligible to bid and is qualified to perform the contract, if its bid is accepted (Performa -II)	
3.	The Bidder must submit Earnest Money Deposit (EMD) of Rs. 5 Lac (Rupees Five Lac only) through online mode only, failing to which the bid will be rejected.	
4.	Company Financial Status: The Bidder must have an average annual turnover of minimum Rs 10 crores for the preceding last three financial years as on 31/03/2014. The Bidder should have been making profit for last two years as on 31/03/2014. The average turnover of OEM of quoted products - computers, UPS, ICP, LED, Printer/Multifunction Photocopier must be Rs. 250 crore, Rs. 20 Crore, Rs. 50 crore, Rs. 100 Crore, Rs. 50 crore respectively in last three years as on 31/03/2014.	
5.	The Bidder must be an OEM partner and authorized service partner (ASP) with authorization certificate for server being quoted	
6.	The Bidder must have executed 2 (two) similar project of value Rs. 75 lac (each) and above in last 3 years upto 31/03/2014	
7.	The Bidder must have minimum 10 engineers on rolls for upkeep and maintenance of all hardware.	
8.	The Bidder should have a fully functional office in Chandigarh/Mohali.	
9.	The Bidder must have valid PAN issued by Income Tax Authorities, India.	
10.	The Bidder must have valid State Sales Tax and CST Number. If no, the Bidder will give undertaking that the Sales Tax Number shall be submitted to the client before the signing of the contract	

TECHNICAL BID CHECKLIST & ORDER IN WHICH DOCUMENTS ARE SUBMITTED

Name of bidder: _____

S. No.	Condition / Item	Yes/ No
1.	Technical Deviations, if any, from the terms and conditions and specifications as specified in the Bidding Documents (Performa-III).	
2.	Technical Brochures of the product quoted and also current certifications asked for in the detailed technical specifications should also be enclosed.	

Performa-III
TECHNICAL DEVIATIONS

Subject: Purchase of Hardware (Desktop Computer, Printer, UPS, Project, LED TV, Interactive Boards) for Society for Promotion of Quality Education for Poor & Meritorious Students of Punjab

Dear Sir,

Following are the Technical deviations & variations from the exceptions to the specifications of **providing Hardware (Desktop Computer, Printer, UPS, Project, LED TV, Interactive Boards) for Society for Promotion of Quality Education for Poor & Meritorious Students of Punjab**. These deviations and variations are exhaustive. Except these deviations and variations, the entire work shall be provided as per your specifications and documents.

Sr. No.	Clause No.	Page No.	Statement of deviations And variations
----------------	-------------------	-----------------	---

Date	Signature
	Name
Place	Seal

Performa-IV
PRICE SCHEDULE (In Rs.)

Sr. No.	Item Description	Quantity	Unit Rate (Incl all taxes)	Total Amount (Incl all taxes)
1.	Desktop Computers	276		
2.	Laser Printers	36		
3.	Interactive Integrated Computer cum Projector	138		
4.	Online UPS 5 KVA	12		
5.	Online UPS 2 KVA	12		
6.	Online UPS 1 KVA	150		
7.	Line Interactive UPS 800 VA	12		
8.	42" LED TVs	18		
9.	Multifunction Photocopier Machine with LAN port	6		
10.	Patch Cords	276		
Total (In figures)				
Total (In words)				

Note * :

Price bid will be evaluated on total hardware value for selecting L1 bidder.

(Signature)/Seal