

University of Mumbai



Tender Document

Supply of Computers, Peripherals & Equipments

No: Tender/ UCC/GEN/10/27/2014, Date: 27th October, 2014

Part A - Terms and Conditions

Part B – Specifications

Price: Rs. 500/- (non refundable)

Important Dates:	
Period of Sale of Tender Document:	27 th October, 2014 to 15 th November, 2014 during office hours 11.00 a.m. to 3.00 pm
Last Date of Receiving sealed Bids/Tenders:	15 th November, 2014, during office hours 11.00 a.m. to 3.00 pm

Co-ordinator

University Computerization Center

University of Mumbai

Room No. 09 - Ground Floor, IDOL Building, Dr. Shankar Dayal Sharma Bhavan, Vidyanagari, Mumbai –400098. Website: <http://www.mu.ac.in/tenders.html>

University of Mumbai



Tender Notice

Sealed tenders are invited from OEM's and their authorized dealers/distributors/suppliers for rate contract in two bid systems (Technical/Pre-qualification bid and Price bid by University Computerisation Centre, University of Mumbai for Supply of Computers, Peripherals and Equipments. Tender Document containing terms and conditions and technical specifications of the merchandise /equipments and Services are available with the Cash Unit of Dy. Registrar, Finance & Accounts, University of Mumbai, M.J Phule Bhavan, (Examination House) Vidyanagari, Santacruz (E), Mumbai 400 098, on all working days between 11.00 a.m. to 3.00 p.m. from 27th October, 2014 to 15th November, 2014 during office hours 11.00 a.m. to 3.00 pm by paying Rs.500/-(Rs.Five Hundred Only) in cash /Demand Draft from any scheduled bank/nationalized bank, drawn in favour of **“Finance and Accounts officer, University of Mumbai”**. Tender Document containing terms & conditions and Technical Specifications can be also downloaded from <http://www.mu.ac.in/tenders.html>. The tender bids duly complete in all respects, along with the necessary documents and EMD value of 5% of the cost of supply subject to maximum Rs.1 lakh should be submitted to University Computerization Center, University of Mumbai, Room No. 09 Ground Floor, IDOL Building, Dr. Shankar Dayal Sharma Bhavan, Vidyanagari, Mumbai –400098 **up to 15th November, 2014 at 3.00 p.m.**

The tender bids so received shall be opened on a schedule and venue to be arranged later in the presence of the representatives of the bidders. The names of shortlisted bidders shall be announced on the website after scrutinizing the Technical bids and evaluating their suitability to meet the University requirements. Right to reject any or all tenders without assigning any reason there for are reserved by the University of Mumbai.

Co-ordinator

University Computerization Center

University of Mumbai

Room No. 09 - Ground Floor, IDOL Building, Dr. S.D. Sharma Bhavan, Vidyanagari,
Mumbai –400098. Website: <http://www.mu.ac.in/tenders.html>

University of Mumbai



Part A – Terms and Conditions

1. Sealed tender are invited in two bid systems (Technical/Pre-qualification bid and Price bid) by University Computerisation Centre, University of Mumbai for Supply of Equipments needed by various Offices and Department on Rate Contract basis.
2. The rates are to be quoted in the Performa enclosed herewith both in words and figures. No figures or words should be overwritten. Overwritten figures or words should be scored out and re-written under full signature of the authorized signatory. Quotations that do not fulfill this condition will not be considered. Only typed bid will be considered and hand written quote will be considered as invalid bid.
3. The firm must enclose the copy of Registration and Income Tax. Service Tax Returns for the last three years. Details of ISO Certification (if any), company profile, Income Tax Clearance Certificate and list of valued customers, if any, should accompany along with the quotation. All the documents are to be attached with Technical/Pre-qualification Bid.
4. If the firm is authorized dealers/distributors of OEM's, proof of the same shall be attached.
5. The Tender shall remain valid for 180 days after the date of commercial bid opening. If any bidder withdraws his tender before the said period, University shall without prejudice to any other right or remedy, be at liberty to forfeit the Bid Security.
6. The tender must be submitted in a sealed cover. The sealed cover must be superscripted with “tender for " Supply of Computers, Peripherals and Equipments.” due on 15th November, 2014, addressed to the, Co-ordinator, University Computerization Center, University of Mumbai, in sealed envelopes so as to reach on or 15st November, 2014 at Time 3.00 P.M. No responsibility whatsoever will be accepted with regard to postal delays or for wrong delivery of quotation sent by Post. It can also be dropped in the tender box kept at the University for the purpose by the date stipulated above. Quotation received after due date will not be entertained. Technical/Pre-qualification Bid will be opened on 17th November, 2014 at Time 4.00 P.M. (Technical/Prequalification bid only) by the constituted committee members in the presence of representatives of the firms who participated in the tender.
7. Tenders must be accompanied by a demand draft in the form of Earnest Money Deposit (EMD) in form of Bank Draft only drawn in favour of Finance & Accounts Officer, University of Mumbai. Tenders without EMD will be summarily rejected. No interest will be paid on Earnest Money Deposit. EMD of unsuccessful renderers will be returned in due course of time. If the quotation is accepted and firm fails to undertake the supply, they will forfeit the EMD. The amount of Earnest Money Deposit shall be 5% of the cost of supply subject to maximum Rs.1 lakh.
8. University of Mumbai reserves the right to order full or part thereof of or on rate contract basis for duration of one year or as finalized as per committee recommendation for those items included in the tender.
9. The quantity given in quotation is approximate which may increase or decrease for which no compensation will be paid.

10. **ESSENTIAL ELIGIBILITY CONDITIONS:**

Bidders are to provide information on Technical/Pre-qualification requirements in separate sealed envelope with title "Technical/Pre-qualification requirement". Price bid is to be enclosed separately with title "Price bid for Supply of Computers, Peripherals and Equipments". Tenders satisfying the following essential conditions will only be considered for further processing.

In absence of the proof of following supportive document the tender will not be considered, (which are mandatory requirements).

- a) The firm has to attach an undertaking that no Government/undertaking organizations have blacklisted the firm for any reason.
- b) The Vendor should preferably be a Company registered in India.
- c) The OEM firm must have preferably valid ISO certification. (Preference will be given to ISO for IT service support)
- d) Bidders should have successfully carried out minimum three such contracts during last five years. (Certificates of satisfactory service from above three organisations must be enclosed)
- e) The firm should have at least three years "experience in the field of supply and maintenance of such equipment and executed orders for similar value of supplies.
- f) Latest certificates of satisfactory service from the organizations where the vendors are supplying such equipments should be attached with tender. The tenderer should have full-fledged office and service centre at Mumbai.

11. BIDDING PROCEDURE

- a) Bids are invited in two bid system, (1) Technical/pre-qualification bid and (2) Price bid, which shall be sealed separately by mentioning Technical bid and Price bid on the top of envelop. Both of these two envelop will be then enclosed in a single sealed envelope.
- b) No Bids will be accepted after due date and time under any circumstances. This office will not be responsible for any postal/courier delay and also for reasons beyond the control of this office.
- c) Technical/Pre-qualification Bid must contain the EMD for specified amount, along with complete technical details as desired by this tender. First Technical Bids of all the tender will be opened on pre scheduled date, time & venue. Technical Bids without EMD will be summarily rejected.
- d) Price bid, of only successful Technical Bids, will be opened on pre scheduled date, time & venue.
- e) The bids must be accompanied by an Earnest Money Deposit and the amount of Security Deposit/Performance Guarantee shall be 5 % of the cost. In case of successful tenderer the amount of Earnest Money Deposit shall be converted in Security Deposit/Performance Guarantee. Security Deposit/Performance Guarantee shall be refunded after the warranty period is over. The Security Deposit/Performance Guarantee can be paid in the form of a Bank Guarantee from a scheduled bank. in a form of Bankers cheque/ bank draft issued by any commercial bank in favour of Finance & Accounts Officer, University of Mumbai, payable at Mumbai.
- f) All bids must be dropped in the Tender Box kept at the University Computerisation, University of Mumbai Room No. 09 - Ground Floor, IDOL Building, Dr. Shankar Dayal Sharma Bhavan, Vidyanaagari, Mumbai -400098, as mentioned in the Tender form.

12. SUBMISSION OF BID:

- i. The first envelope shall be super scribed with the name of work and the words. "Technical bid/Pre-qualification bid". The first envelope shall be opened on the date of opening of tender. The bidder should specifically provide full technical details of service offered and also shall provide full details of deviation they intend to make from the technical specifications and contract terms detailed in the Bid. No price details shall be given in this envelope. Violation to this would result invalidation of tender. The Bid Security shall be enclosed with the envelope marked "Technical bid/Pre-qualification bid".

- ii. The second envelope shall be super scribed with the name of work and the words “Price Bid (Commercial Bid)”. It shall contain full details of the price & commercial conditions. Any deviation from our standard conditions shall be specifically spelt out.
- iii. Any deviation of any sort e.g. Technical or Commercial terms and conditions shall be specifically indicated in the Technical Bid itself.
- iv. Silence or use of the word “Noted” against any of the Bid conditions shall mean bidder agrees to comply with that/those conditions of Bid.
- v. All offers shall be made available in hard copies as specified in the technical specifications and should be signed by the authorized signatory of the firm on all the pages of the hard copy.
- vi. All prices and other information in this regard having a bearing on the price shall be written both in figures and words in the prescribed offer form.
- vii. The bid should be submitted in the prescribed bid form of this document. All columns of the bid form should be filled. Any additional information should be enclosed separately and referred to in the relevant column of the bid form. All relevant product literature must be enclosed with the bid. No bid may be modified subsequent to its submission.
- viii. The University reserves the right to inspect any or all the works and satisfy itself about the quality and reliability of the service rendered before opening of the concerned vendor’s price bid.

13. OPENING OF BIDS:

- a. University of Mumbai will open the Technical bids at scheduled time, date and venue in the presence of the bidders representatives who chose to attend.
- b. The bidder’s representatives who will be present shall sign on the paper evidencing their attendance. In the event of the specific bid opening being declared a holiday for the purchaser, the bid shall be opened at the same time and location on the next working day.
- c. The bidders names, bid withdrawals, presence of bid security and such other details as the Purchaser at its discretion may consider appropriate will be announced at the bid opening.
- d. The firm who have submitted the bids and whose offers are found technically suitable shall be informed of the opening date of the second envelope i.e. “Price Bid (Commercial Bid)”.

14. CLARIFICATIONS OF BIDS:

To assist the examination, evaluation and comparison of bids the University may constitute a Technical Evaluation Committee and may at its discretion, ask the bidder for clarification of its bid. The request for clarification and the response shall be in writing and no change in price or substance of the bid shall be sought, offered or permitted.

15. EVALUATIONS OF BIDS:

- i. The University will examine the bids to determine whether they are complete, required EMD has been furnished and all relevant documents have been properly signed. Evaluation of bids shall be done based on the information furnished by the bidder. The conformity of the bids to the technical specification and commercial terms and conditions shall be examined. Responsiveness of the bid shall be determined based on the technical and financial capability of the bidder to execute the contract.
- ii. The University may examine the bids to determine;
 - a. The correctness of the information furnished by the bidder in its bid. In case any information is found to be incorrect/false, the bid shall be considered as non-responsive.
 - b. The substantial responsiveness of each bid to the bidding: For purpose of this clause, a substantially responsive bid is one, which conforms to all technical specifications and terms and conditions of the bidding documents without material or commercial deviations. The Institute’s

determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

16. UNIVERSITY RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS:

- a. University of Mumbai reserves the right to accept or reject any bids and to annual the bidding process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the University's action.
- b. The acceptance of tender will rest with the Co-ordinator, UCC, UNIVERSITY of MUMBAI who does not bind himself to accept the lowest bid and reserves himself the right to reject any or all the tenders received without the assignment of any reason. All the bids in which any of the prescribed conditions are not fulfilled or are incomplete in any respect are liable to be rejected.
- c. Canvassing in connection with tenders is illegal and strictly prohibited and the tenders submitted by the bidders, who resort to canvassing, will be rejected.

17. TERMINATION BY DEFAULT:

- a) University of Mumbai may, without prejudice to any other remedy for breach of contract, by written notice of default sent to vendor, terminate the Contract in whole or part:
 - i. If the vender fails to provide supply, service/rectify the fault within the time period specified in the contract or any extension thereof granted by the University of Mumbai.
 - ii. If the vender fails to perform any other obligation (s) under the Contract.
- b) In the event the University of Mumbai terminates the Contract in whole or in part, the University of Mumbai may procure, upon such terms and in such manner, as it deem appropriate, services similar to those undelivered for any excess costs for such similar services. However, the vender shall continue the performance of the Contract to the extent not terminated.

18. APPLICABLE LAW:

The contract shall be interpreted in accordance with the laws of the Union of India & will be under the jurisdiction of Court in Mumbai.

19. TAXES AND DUTIES:

Vendor shall be entirely responsible for all taxes, duties, license, fees etc. incurred until delivery of the contracted services to the Institute. No tax or duty will be payable by the University of Mumbai unless specified by the vender in the price bid.

CHECKLIST

Please verify the following before submission of the tender and submit the required documents in the sequence listed below, to avoid rejection or disqualification of your tender.

1. Tender should accompany with an EMD and the amount of Earnest Money Deposit shall be 5% of the cost of supply subject to maximum Rs. 1 lakh, by demand draft drawn on any nationalized bank in favour of **Finance & Accounts Officer, University of Mumbai**, payable at Mumbai in the form of Demand Draft valid for 3 months. The tenders without EMD will be rejected.
2. Following documents as indicated in the tender document printed on the tenderer's letterhead with dated signature and seal.
 - a) Tender form
 - b) Price Schedule
 - c) Supporting documents and Statement on Compliance with required specifications

- d) Performance statement
- e) Service support details, catalogs, manuscript etc. if any
- f) Other formats, if any provided in the tender; and
- g) Details of previous contracts, if any.
3. Certificates of registration for Service tax, VAT, Sales tax, Excise Duty and incorporation etc. issued by appropriate government for the required services with seal of the renderer.
4. Income tax clearance certificate issued by the concerned IT circle for the past three years with the seal of the renderer.
5. Certificates issued by employers where the similar services were rendered/being rendered with seal of the renderer.
6. The entire original tender document with seal and signature on each page.
7. Time and Date for receipt of Tender: up to 15th November, 2014, at Time 3.00 P.M.
10. Time and Date for opening of Tender: up to 15th November, 2014, at Time 4.00 P.M. (Technical/Prequalification bid only)

Envelope No.1

Tender for Supply of Equipments at, University of Mumbai, Mumbai TECHNICAL/ PRE QUALIFICATION BID. (Please provide the following details along with documentary proof of the supporting documents as asked in eligibility criteria, without which the tender will not be considered. In case sufficient space is not available, use separate sheets)

SCHEDULE:

Last Date of Receipt of Tender: November 15, 2014, 3.00 P.M.

Date & Time of Opening of Tender: 15th November, 2014, 4.00 P.M. (Technical/Prequalification bid only)

1. Company Name & Address :
2. Is the EMD 5% of the cost of supply is enclosed.
If yes give details. : Yes/No, D.D.No..... Dated..... Rs.....
3. Company profile:
4. Service Tax Regn. No. :
5. Service Tax Paid in the year **2011-12: 2013-14:**
6. Income Tax PAN No. :
7. Total Income Tax paid in the year **2011-12 : 2013-14:**
8. Company Status (Prop./Pvt./Ltd.) :
9. Name of organizations and value of supply.
10. Compliance of essential eligibility conditions including Mandatory requirements and certificate in respect of Annual turnover in the year **2009-10, 2010-11, 2011-12,2012-13, 2013-14**
11. Registration details in State/Central Govt.:
Work executed with University of Mumbai, give details, if any:
12. List of clients along with their contact names, telephone numbers and address (tender will not be considered without this information):
13. Are you authorized service provider of any reputed Company:

- (If yes, please give details and enclosed copy of authorization)
- 14 Address of Workshop
- 15 Facility available for sales after service
- i) Spares available
- ii) Test equipment
- iii) Test tools (Hardware/software)
- iv) any others.
- 16 Is your firm certified with ISO: Yes/No
(If yes, please enclose a copy of certification)
- 17 Have you attached the brief write up on approach and strategy: Yes/No
(If yes, please enclose a copy of write up)
- 18 Has the firm ever been black listed by any Government/undertaking organization:
Yes/No (If No, enclose the undertaking as asked in para-11)
- 19 Any other Information
- Certified that the above information is correct and the firm is willing to accept all the terms and conditions of the tender document.

SINGNATURE

(with Name, address, Phone No. e-mail.ID and SEAL)

Envelope No.2 (Financial/Price Bid)

Financial Bid [To be kept in the second envelope]

Having examined the conditions of the tender and specifications, including all the annexure, the receipt of which is hereby duly acknowledged, we the undersigned, offer to provide supply of equipments in conformity with the said conditions of tender.

Note:

1. Tenderers are advised to read carefully the Terms and conditions of supply and “the Instructions to the Tenderers” before recording the rates in this schedule.
2. No. erasures or over waiting shall be allowed, unless they are authenticated under the full signature and the seal of the tenderer.
3. The rates shall be on CIF basis Mumbai for the delivery & installation at the respective departments, including working performance demonstration and user training, wherever required.

Part B – Specifications

1. DESKTOP COMPUTERS

Sr.No.	Item	Description
1	DESKTOP	COMPUTERS
	CPU	Intel® Core™ i7-4790 Processor 3.6GHz, 8MB Cache, 4Cores, Intel® Core™ i5-4690 Processor 3.5GHz, 6MB Cache, 4Cores, Intel® Core™ i3-4360 Processor 3.7GHz, 4MB Cache, 2Cores,
	RAM	4 GB DDR3 SDRAM 1066 MHz / 1600 MHz or above or equivalent, upgradeable up to 16 GB or higher or equivalent OEM – RoHS Certified
	MOTHERBOARD	Intel H81 Express / Q87 Express Chipset based motherboard
	HARDDISK	500 GB SATA HDD, Make: Seagate/Hitachi/Western Digital/Fujitsu/OEM – RoHS Certified.
	MONITOR	18.5" W TFT LED backlit Monitor, 1366x768 native resolution
	OPTICAL DRIVE	Slim SATA Blu-ray BDXL writer
	OS SUPPORT	Microsoft Windows 7, Windows 8,
	NETWORK	Integrated or Intel 10/100/1000 Ethernet Card.
	KB/MOUSE	OEM Standard Keyboard – Optical Mouse
	PORTS	Min 6 USB Ports ,2 PS2 (Keyboard & Mouse),1x VGA 1x DVI 1x RJ45 1 Audio Line In, 1 Audio Line out, port or better or equivalent

Price shall be quoted for Intel H81 & Q87 motherboards separately if available and in case any price difference.

Core i3 Model No.@Rs._____	Core i3 Model No.@ Rs._____
Core i5 Model No.@ Rs._____	Core i5 Model No.@ Rs._____
Core i7 Model No.@ Rs._____	Core i7 Model No.@ Rs._____

2. LAPTOP

Sr.No.	Item	Description
1	NOTEBOOK	COMPUTERS
	PROCESSOR	Intel® Core™ i7-4510u Processor 2GHz, 4MB Cache, 2Cores, Intel® Core™ i5-4310u Processor 2GHz, 3MB Cache, 2Cores, Intel® Core™ i3-4030u Processor 1.9GHz, 3MB Cache, 2Cores,
	CHIPSET	Q87 Express Chipset / Integrated with processor
	Memory	4/8 GB DDR3 RAM, 1600MHz, expandable to 16 GB
	HDD	500 GB HDD with Hard Disk Protection capability Protection System, detect sudden changes in motion and free fall and temporarily stop the hard drive to help protect your valuable data from crashes
	DVD drive	Blue Ray Rom DVD +/- RW Super Multi DL; DVD +/- RE SuperMulti DL; DVD-Rom
	Display	14 " diagonal anti-glare LED 1366x768 or higher
	Graphics controller	Intel HD Graphics 4400
	Battery	4 Cell 44WHr Li-on Battery
	Ethernet Card	Realtek Ethernet 10/100/1000 Mbps inbuilt
	Speakers	Integrated Audio with internal Stereo speakers
	Ports	Min 4 USB ports, 1x HDMI Port, 1 Headphone/Microphone Combo, 1x VGA
	Wireless Card	Wireless LAN Card with necessary driver (802.11 standard)
	Keyboard	OEM standard spill resistant Keyboard and Built in touch Pad/track point
	Web camera	Integrated 720p HD webcam.
	OS	Microsoft Windows 7/ 8
	Carry Case	Executive carry case
	Weight	Weight less than 2 kg (including Battery and DVD writer)

Price shall be quoted for Intel H81 & Q87 motherboards separately if available and in case any price difference.

Core i3 Model No.@Rs._____	Core i3 Model No.@ Rs._____
Core i5 Model No.@ Rs._____	Core i5 Model No.@ Rs._____
Core i7 Model No.@ Rs._____	Core i7 Model No.@ Rs._____

3. ALL-IN-ONE COMPUTERS

Sr.No.	Item	Description
1	AIO	COMPUTERS
	PROCESSOR	Intel® Core™ i7-4770T Processor 2.5GHz, 8MB Cache, 2Cores, Intel® Core™ i5-4570T Processor 2.9GHz, 4MB Cache, 2Cores, Intel® Core™ i3-4130T Processor 2.9GHz, 3MB Cache, 2Cores,
	Memory	4 GB 1600 MHz DDR3 SDRAM, Expandable upto 16 GB
	HDD	500GB / 1 TB GB HDD
	DVD drive	DVD R/RW
	Display	19.5" / 21" / 23" Wide Screen WLED
	Graphics controller	Intel Q87 Express Chipsets / INTEGRATED Intel HD Graphics Basic
	NETWORK	Wireless
	Speakers	Integrated Audio with internal Stereo speakers
	Ports	Min 4 USB ports
	Wireless Card	Wireless LAN Card with necessary driver (802.11 standard)
	Keyboard	Wireless Keyboard / Mouse
	Web camera	Integrated webcam.
	OS	Optional
	Warranty	3 years On-site

Price shall be quoted for Intel H81 & Q87 motherboards separately if available and in case any price difference.

Core i3 Model No. @Rs. _____
Core i5 Model No. @ Rs. _____
Core i7 Model No. @ Rs. _____

4. LASER (AIO) MULTIFUNCTION PRINTERS

Sr. No.	Specifications	<u>AIO(Print / Scan / Copy / Fax / Duplex)</u>
1	Technology	Laser
2	Connectivity	High Speed USB; USB 2.0; 10/100 Base-TX Network
3	Memory (std/Max)	256 MB
4	Printer	
5	Speed - Mono (letter)	Up to 26 PPM
6	Print Resolution	600x600
7	Scanner	Yes
8	Optical resolution	Upto 300 x 300 dpi
9	Copy	Yes
10	First Copy out Time	As fast as 8 Sec
11	Fax	
12	Speed	3 sec per page.
13	Input capacity – std/Max	250 sheets input tray, 10 sheet priority tray / 35 sheet Automatic Document Feeder (ADF)
14	Output capacity	100 originals
15	Warranty	1 year std.

Model No _____ @Rs. _____

5. LASER PRINTER

Sr. No.	Specifications	Laser Duplex with Network Printer
1	Technology	Laser
2	Print Speed Mono (A4)	Up to 33 PPM
3	Print Resolution	1200x1200
4	Processor (MHz)	800MHz
5	Memory - Std	256 MB
6	Duty Cycle	Up to 50,000 pages
7	Recommended monthly page volume	Up 3,000 pages
8	Input Capacity	50-sheet multipurpose tray 1, 250-sheet input tray 2
9	Output Capacity (Sheets)	150 sheets
10	Duplex Print Options	Automatic (standard)
11	Interfaces	1 Hi-Speed USB 2.0; 1 Host USB; 1 Ethernet 10/100/1000 Gigabit network; 1 Walk-up USB
	Warranty	1 year std.

Model No _____ @ Rs. _____

6. LASER PRINTER

Sr.No.	Specifications	Laser with Duplex
1	Technology	Laser
2	Print Speed Mono (A4)	Up to 33 PPM
3	Print Resolution	1200x1200
4	Processor (MHz)	800MHz
5	Memory - Std	256 MB
6	Duty Cycle	Up to 50,000 pages
7	Recommended monthly page volume	Up 3,000 pages
8	Input Capacity	50-sheet multipurpose tray 1, 250-sheet
9	Output Capacity (Sheets)	150 sheets
10	Duplex Print Options	Manual
11	Interfaces	1 Hi-Speed USB 2.0;
	Warranty	1 year std.

Model No _____ @Rs. _____

7. LASER PRINTER

Sr. No.	Specifications	Laser Printer Duplex / Network
1	Technology	Laser
2	Print Speed Mono (A4)	Up to 25 PPM
3	Print Resolution	Up to 600 x 600 dpi
4	Processor (MHz)	750 MHz
5	Memory - Std	128 MB
6	Duty Cycle	Up to 8,000 pages
7	Recommended monthly page volume	250 to 2,000 pages
8	Input Capacity	250-sheet input tray, 10-sheet priority tray
9	Output Capacity (Sheets)	150-sheet output tray
10	Duplex Print Options	Automatic (standard)
11	Interfaces	1 Hi-Speed USB 2.0; 1 Ethernet 10/100
	Warranty	1 year std.

Model No _____ @Rs. _____

8. LASER PRINTER

Sr.No.	Specifications	Laser Entry Level Network Printer
1	Technology	Laser
2	Print Speed Mono (A4)	Up to 14 PPM
3	Print Resolution	Up to 600 x 600 dpi
4	First Page Out	Black: As fast as 18.5 sec
5	Processor (MHz)	750 MHz
6	Memory – Std	128 MB
7	Duty Cycle	Up to 30,000 pages
8	Recommended monthly page volume	250 to 1500 pages
9	Input Capacity	150-sheet input tray
10	Output Capacity (Sheets)	125-sheet output bin
11	Duplex Print Options	Manual (driver support provided)
12	Interfaces	1 Hi-Speed USB 2.0; 1 Ethernet;
	Warranty	1 year std.

Model No _____ @Rs. _____

9. LASER PRINTER MULTI-FUNCTION

Sr.No.	Specification	AIO Laser Color Duplex/Network/Wireless
1	Type	Color
2	Basic Function	Print / Scan / Copy
3	Resolution	600X 600dpi dpi or more
4	Print speed Black/Color- draft	30/30ppm or above
5	Port	USB / Ethernet
6	Network Connectivity	10/100 Mbps and support for IPv4 and IPv6
7	Copy enlarge / reduction ratio	25 to 400 %
8	Scanner Type	Flatbed ,ADF
9	Optical Resolution	Hardware: 1200 X 1200
10	Memory	512mb
11	Scanner ADF Capacity	min 50 Sheets
12	Print speed in ppm (A4)	32 ppm and above
13	Duplex Print & Duplex scanning	Standard
14	Operating System Compatibility - Windows	Microsoft® Windows® 7, Windows® 8, indows Vista®, Windows XP®
15	Power specifications	100 watts (Maximum)

Model No _____ @ Rs. _____

10. DOT MATRIX PRINTERS

Sr.No.	Item	Description
1	DOT MATRIX	136 COLUMN PRINTERS
	SPEED	HIGH SPEED DRAFT (10dpi) 476 CPS / 550 CPS
	PRINthead LIFE	400 MILLION STROKES
	RIBBON LIFE	12 MILLION CHARACTERS
	INTERFACE	PARALLEL / USB
	TRACKTOR UNIT	PUSH OR PULL

Model No _____ @ Rs. _____

11. DOT MATRIX PRINTERS

Sr.No.	Item	Description
1	DOT MATRIX	80 COLUMN PRINTERS
	SPEED	DRAFT (10dpi) 416 CPS
	PRINthead LIFE	400 MILLION STROKES
	RIBBON LIFE	2.5 MILLION CHARACTERS
	INTERFACE	PARALLEL / USB
	TRACKTOR UNIT	PUSH OR PULL

Model No _____ @ Rs. _____

12. Multimedia Projector

Sr.No.	Item	Description
1	MM Projector	DLP / LED (Lamp Free)- Laser Hybrid
	Lumens	3000 Ansi
	Resolution	XGA 1024 x 768
	Resolution	1024x768
	Interface	Wireless / HDMI / USB
	Light Source	Upto 20000 Hours life
	Weight	Less than 4 kg
	Wide Angle ZOOM	1.5X
	Speaker	Built In 5W
	Internal Memory	Yes
	USB Support	PPT /Photos/Movies/PDF Built In
	Network	Yes
	User Logo Image	Yes
	Anti Theft Lock	Yes

Model No _____ @ Rs. _____

13. Multimedia Projector

Sr.No.	Item	Description
1	MM Projector	DLP
	Lumens	3000 Ansi
	Resolution	XGA / XGA 3D Ready
	Resolution	1024x768
	Interface	Wireless / HDMI / USB
	Light Source	2000 Hours Upto 10000 Hours life
	Weight	Less than 3 kg
	Speaker	Built In / optional
	USB Support	Photos/Movies/PDF Built In
	Port	Lan Control / HDMI

Model No _____ @Rs. _____

14. Multimedia Projector

Sr.No.	Item	Description
1	MM Projector	DLP
	Lumens	3000 Ansi
	Resolution	Full HD
	Resolution	1920x1080
	Interface	Wireless / HDMI / USB
	Light Source	Upto 6500 Hours life
	Weight	Less than 4 kg
	Speaker	<u>Built In</u>
	Internal Memory	<u>Yes</u>
	USB Supprt	<u>Photos/Movies/PDF Built In</u>

Model No _____ @Rs. _____

15. Bio Metric System

Sr.No.	Item	Description
1	Biometric	Face / Finger Based Attendance system
	CPU	TI DM 600 MHz / 667MHz RISC, 533MHz DSP
	User Capacity	500 / 800 / 4000 / 20,000 templates (1:N) / 200,000 User Capacity
	Record Capacity	150, 000 / 1,000,000 events / Fingerprint: 1,000,000 / Image: 5,000
	Recognition	Dual Sensor V 3.0
	Sensor	Specialized double sensor
	Verification Method	Card + Face / Face only / Finger / Optical - Face detection & videophone
	Verification Speed	Less than 1 sec. 500 User / 1 to 3,000 identification in 1 sec
	Keyboard	4*4 Touch Keypad
	LCD	3.5 inch TFT Color / 5.0 inch WVGA touch screen
	Communication	TCP/IP / Wireless LAN (optional), TCP/IP, RS485 / PoE
	Data Transfer	USB Host / RS 232
	Memory	1GB SD card – 70,000 Images / 1GB Flash + 256 MB RAM / SD card slot
	Access control	Standard Wigand 26/34 bit output / Deadbolt, EM lock, door strike, automatic door
	Card Recognition	EM RF ID (125 KHz) of Mi FARE Card / 125KHz EM, 13.56MHz Mifare/DesFire
	Certification	CE FCC Class A, ROHS, ISO 9001
	Sound	16 bit Hi-Fi voice & sound indication

Face 500 Users @ Rs. _____

Face 800 Users @Rs. _____

Finger 4000 Users @ Rs. _____

Face 10000 / 20000 Users @ Rs. _____

16. Thin Client System

Sr.No.	Item	Description
1	Thin PC	Thin client / zero client PC
	Processor	Intel Atom 1.8 GHz or Equivalent
	RAM	4 GB
	Video Graphics	Integrated
	Hard Disk	4 GB SATA Flash
	Interface	10/100/1000MB
	I/O	Keyboard / Mouse / VGA / USB
	Monitor	18.5" LCD /LED
	Optional	WLAN / Terminal Emulation / Embedded Antivirus
	Browser Support	Internet Explorer / Mozilla Firefox
	OS	Windows Embedded / Linux

Model No. _____ @ _____

17. SMART LED TV

Sr.No.	Item	Description
1	SMART TV	With X-Reality Pro Picture Engine
2	TV Screen Size	32" / 42" / 55"
3	Mirroring	One- Touch mirroring to display your Smartphone's screen on TV
4	Entertainment	Flick, find, Fast with the one flick entertainment feature
5	Internet	Built-in Wi-Fi
6	HDMI	Full HD with 4 HDMI Built-in ports
7	Motion Flow	Motion flow 200Hz
8	Sound	S-force front Surround, Dolby digital Plus,
9	Ethernet	1x RJ-45 Port

32" SMART LED TV Model No.Rs. _____ @ _____

42" SMART LED TV Model No. Rs. _____ @ _____

55" SMART LED TV Model No.Rs. _____ @ _____

18. Smart-UPS On-Line 2KVA/230V with battery 16 Nos. 1/2 Hr. backup
Price per 2 KVA Units Rs. _____

19. Smart-UPS DP 6KVA /230 V with battery 16 Nos. 1/2 Hr. backup
Price per 6KVA unit Rs. _____

a. Battery : 12V 7AH Rs. _____

b. 12V 42 AH Rs. _____

c. SNMP CARD (controller card for ups) Rs. _____

20. HANDY CAM

Sr.No.	Item	Description
1	Handy cam	Full HD 1080/60p Video and 9.2Mega Pixel Stills
2	Lens	29.8mm Wide-Angle Carl Zeiss Zoom Lens
3	Image Zoom	27x Optical Zoom & 54x clear image zoom
4	LCD	2.7" Clear photo LCD display / Built-in Face detection
5	Recording	AVCHD and MP4 Dual Recording
6	Effects	7 Picture Effects for Video & Photos / Intelligent auto Mode
7	Stabilization	Steady Shot Image stabilization / Face Detection

Model No _____ @ Rs. _____

21. Surveillance Device

Sr.No.	Item	Description
1	DVR	Digital Video Recorder for CCTV
	Video Input	4 Channel / 8 Channel / 16 channel
	Video Input Interface	BNC, PAL / NTSC self- adaptive
	Audio Input	4 Channel RCA / 8 Channel RCA / 16 Ch ACA / 2 Way Audio Input: 1 Channel RCA / 4 Channel RCA
	Video compression	H.264
	HDMI / VGA	1920 x 1080P / 60 Hz / 1024 x 768 / 60 Hz
	Encoding Resolution	4CIF / 2CIF / CIF / QCIF
	Audio Output	1 Channel RCA / 4 Channel RCA
	Hard disk	1x Sata – Up to 4 TB / 2xSata – Up to 8 TB capacity
	Interface	1x RJ45 10/100M, USB / Serial RS-485
	Chassis	Standard 1U
	Stream Type	Video, Video & Audio
	Power supply	12VDC Input
	Consumption	10 W / 15 Watts

Model No _____ @ Rs. _____

22. CCTV Camera

Sr.No.	Item	Description
1	CCTV	Analog High Resolution Camera DOME / BULLET
	Camera	1/3" Sony Super Had II / 1/3 type Exview Had CCD II
	Resolution	600 TVL / 700 TVL
	Lens	3.6 MM Fixed / Built in Variable Focal Lens
	IR Range	20 to 30 Mtrs with 12-24 Led or More
	IRIS	Auto
	Signal system	Pal / NTSC
	Gain control	Auto On/Off
	Focal Length	F=2.8mm to 10.5 mm
	Backlight	Yes
	Panning Range	355 degree

Dome 600 TVL @ _____

Dome 700 TVL @ _____

Bullet 600 TVL @ _____

Bullet 700 TVL @ _____

23. Power supply 4/8/16 connected over multi core cable Unit: Price per Unit _____

24. CCTV Cable, Conduit, Cap-on casing including Laying(Rates per Meter) _____

25. Accessories

Sr.No.	Item	Description	Price
1	Bracket	Mounting Bracket for Dome Camera	
2	Housing	External Housing for Bullet Camera	
3	Hard Disk	1 TB SATA	
		2 TB SATA	
		4 TB SATA	
4	Ext – Hard Disk	External 1 TB HDD	
		External 2 TB HDD	
		External 4 TB HDD	
5	TFT Monitor	20" LED	
		23" LED	
6	Bracket	Wall Mounting Bracket for LED	

7	Accessories	VGA Ext Cable – 3Meter	
		VGA Ext Cable – 20Meter	
		USB Ext Cable – 3meter	
		Wireless Mouse	
		Wireless keyboard Mouse Set	
8	Bracket	Multi Media Projector Ceiling Mount Kit 3 ft.	
	Bracket	Multi Media Projector Ceiling Mount kit 4 ft.	
9	Screen	Multi Media Projection Screen with Stand 6 ft. x 4 ft.	

26. Network Video Recorder (NVR)

Video/Audio Input	IP Video Input:	8 channel / 16 channel
	Two-way Audio:	1-ch BNC(2.0Vp-p, 1kΩ)
Video/Audio Output	VGA Output:	1-ch, resolution: 1920×1080P/60Hz,1600×1200/60Hz,1280×1024/60Hz, 1280×720/60Hz, 1024×768/60Hz
	CVBS Output:	1-ch, BNC (1.0 Vp-p, 75 Ω), Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)
	HDMI Output:	1-ch, resolution: 1920 × 1080P /60Hz, 1920 × 1080P /50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 - /60Hz, 1024 × 768 /60Hz
	Recording resolution:	5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
	Audio Output:	2-ch BNC(Linear electrical level, 600Ω)
	Playback Resolution:	5MP /3MP / 1080P / UXGA / 720P / 4CIF / VGA / DCIF / 2CIF / CIF / QCIF
	Synchronous Playback:	8-c h16-ch
Hard Disk Driver	Interface Type:	4 SATA interfaces for 2 HDDs + 1 DVD-R/W (default), or 4HDDs
	Capacity:	Up to 4TB capacity for each disk
	e-SATA Interface:	1 eSATA interface
External Interface	Network Interface:	1 RJ45 10M/100M/1000M adaptive Ethernet Interface
	USB Interface:	3 USB2.0 interfaces
	Serial Interface:	1 RJ45 RS-232 interface; 1 RS-485 interface; 1 RS-485 keyboard interface
	Alarm Input:	16-ch
	Alarm Output:	4-ch

Model No _____ @ Rs. _____

27. DIGITAL IP Camera

Camera	Image Sensor:	1/3" Progressive Scan CMOS
	Min. Illumination:	0.01 lux @F1.2, AGC ON, 0 lux with IR
	Shutter time:	1/25s (1/30s) ~ 1/100,000s
	Lens:	4mm @F2.0, angle of view: 69.4° (6mm, 12mm optional)
	Lens Mount:	M12
	Day& Night:	IR cut filter with auto switch
	Wide Dynamic Range:	Digital WDR
	Digital noise reduction:	3D DNR
Compression Standard	Video Compression:	H.264/M-JPEG
	Bit Rate:	32 Kbps ~ 16 Mbps
	Dual Stream:	Yes
Image	Max. Image Resolution:	1280x960
	Frame Rate:	50Hz: 25fps (1280 × 960), 25fps (1280 × 720), 25fps (704 × 576), 25fps (640 × 480) 60Hz: 30fps (1280 × 960), 30fps (1280 × 720), 30fps (704 × 576), 30fps (640 × 480)
	Image Settings:	Saturation, brightness, contrast adjustable through client software or web browser
	BLC:	Yes, zone configurable
Network	Network Storage:	NAS (iSCSI optional)

	Alarm Trigger:	Motion detection, Tampering alarm
	Protocols:	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)
	System Compatibility:	ONVIF, PSIA, CGI
Interface	Communication Interface:	1 RJ45 10M / 100M Ethernet interface

Model No _____ @ Rs. _____

28. Network Switches

Sr.No.	Item	Description	Price Rs.
1	Network Switch-L2	8 Port 10/100	
2	Network Switch-L2	16 Port 10/100	
3	Network Switch-L2	24 Port 10/100	
4	Network Switch-L2	8 Port 10/100/1000	
5	Network Switch-L2	16 Port 10/100/1000	
6	Network Switch-L2	24 Port 10/100/1000	
7	Network Switch-L2	24 Port 10/100 Network Switch – SRW224G4K9	
8	Network Switch-L2	24 Port 10/100/1000 Network Switch- SRW2024K9	
9	Network Switch-L2	24 Port 10/100/1000 – 2960S#24tss (L2 Switch)	
11	Network Switch-L3	24 Port (2 ports can be used with SFP or SFP+ at 1G or 10G)	
12	Fiber Module	SFP LX-LC	

29. Apple Mac Book / I Pad

Sr.No.	Item	Description	Price Rs.
1	Mac Book Air	11" 128 GB	
2	Mac Book Air	11" 256 GB	
3	Mac Book Air	13" 128 GB	
4	Mac Book Air	13" 256 GB	
5	Mac Book Pro	13" with Retina Display 128GB	
6	Mac Book Pro	13" with Retina Display 256GB	
7	I Pad mini 3	Wi-Fi – 16 GB	
8	I Pad mini 3	Wi-Fi – 64 GB	
9	I Pad mini 3	Wi-Fi + Cellular – 16 GB	
10	I Pad mini 3	Wi-Fi + Cellular – 64 GB	
11	I Pad Air 2	Wi-Fi – 16 GB	
12	I Pad Air 2	Wi-Fi – 64 GB	
13	I Pad Air 2	Wi-Fi + Cellular – 16 GB	
14	I Pad Air 2	Wi-Fi + Cellular – 64 GB	

30. Wireless Access Point

Sr.No.	Item	Description	Price Rs.
1	Out Door Wi-Fi Access Point	IEEE 802.11b/g/n/a; 2.4Ghz & 5 GHz Dual band, 300 MBPS max theoretical throughput, WDS point-to-point wireless bridge mode WAP mode, Wired Equivalent Privacy (WEP) Encryption, WPA-PSK, Wpa2-PSK, MAC address filtering, 1 BSSID, 802.11e WMM for QoS, 128 wireless client supported, 2 x (10/100/1000base T Ethernet port with auto uplink with PoE PD, 1 x (10/100/1000 base T Ethernet port with Auto Uplink with PoE PSE., External Antenna Ports, 8dBi Antenna Gain, IP67 grade.	
2	Wireless-N Access Point	2.4GHz, 300 mbps, upto 30 users, upto 10x coverage and 15x the speed of 802.11 g networks, Security for WPA, WPA@, rouge AP detection and 802.1x with RADIUS support wall mount or ceiling, Comprehensive SNMP for network management., MAC address filtering up to 256 users, block SSID broadcast, point to point/multi point support.	

31. PA System for Classroom/Seminar Room

Sr.No.	Item	Description	Price Rs.
1	Amplifier	Up to 200W/ Mic. Input Channel up to 6 Aux. 2 with USB 1 (Ahuja/Mega/Motwani/Crown/)	
2	Loud Speaker	100 Watts Output (4Ohms/8Ohms.) Ahuja/Mega/Motwani/JBL/BOSS)	
3	Loud Speaker Stand	Speaker mounting Floor stand	

4	Microphone	Lapel Cordless (Ahuja/Mega/Motwani/AKG)	
5	Microphone	Hand Held Cordless (Ahuja/Mega/Motwani/AKG)	
6	Microphone	Podium (Gooseneck wired Microphone) (Ahuja/Mega/Motwani/AKG)	
7	Presenter	Laser auto changer Cordless	
8	Mixer	Audio mixer 6 & 8 channels with two stereo input (Ahuja/Mega/Motwani/Sound Craft/Allen Heath/Lexicon)	

32. Optical Fiber Cable (OFC)/Copper Cables and Accessories

Sr.No.	Item Description	Make/ Brand	Qty. per unit	Price Rs.
A)	Fiber Optic			
1	OFC MM 6 Core Armored Outdoor Cable			
2	OFC MM 12 Core Armored Outdoor Cable			
3	OFC 6 CORE SM Armored Outdoor Cable			
4	OFC 12 CORE SM Armored Outdoor Cable			
5	SC Fiber Connector			
6	LC Fiber Connector			
7	Pigtail SC Multimode Fiber Simplex 1-Meter			
8	Pigtail LC Multimode Fiber Simplex 1-Meter			
9	SM Pigtail SC Fiber 1- Meter			
10	SM Pigtail LC Fiber 1-Meter			
11	Fiber Patch Cord LC to SC Multimode Simplex1-Meter			
12	Fiber Patch Cord LC to SC Single Mode 1-Meter			
13	LIU 12 Port Loaded with SC Coupler MM			
14	LIU 12 Port Loaded with SC Coupler SM			
15	Fiber Media Converter MM 100/1000 MB			
16	Fiber Media Converter SM 100/1000MB			
B)	Copper UTP Cables			
1	Cat-6 UTP Cable per meter			
2	Cat-6 (I/O, Surface Plate with Back Box)			
3	Cat-6 Patch cord 1-meter			
4	Cat-6 Patch cord 2-meter			
5	Cat-6 24 Port Patch Panel			
6	Cat-6 RJ-45 Connector Pack of 50 Nos.			

C)	Cabling Accessories			
1	HDPE Pipe 1"			
2	HDPE Pipe 1.5"			
3	HDPE Pipe 2"			
4	Galvanized Pipe 2 inch 6 ft.			
5	Galvanized Pipe 2 inch 12 ft			
6	PVC Conduit Pipe 1"			
7	PVC Conduit Pipe 2"			
8	PVC Capon Casing 1"			
9	PVC Capon Casing 2"			
10	PVC Flexible Pipe 0.5"			
11	PVC Flexible Pipe 1"			
12	PVC Flexible Pipe 2"			
13	Fiber Route Marker Metal Painted			
14	Pole 6 feet for Outdoor Wi-Fi & CCTV Camera			
15	Pole 10 feet for Outdoor Wi-Fi & CCTV Camera			
16	Pole 15 feet for Outdoor Wi-Fi & CCTV Camera			

D)	Racks for Switches			
1	6U Network Rack with Accessories			
2	9U Network Rack with Accessories			
3	12U Network Rack with Accessories			
4	15U Network Rack with Accessories			
5	24U Network Rack with Accessories			
6	42U Network Rack with Accessories			
7	42U Server Rack with Accessories			
8	Tray for Network Rack			
9	Tray for Server Rack			
10	Cable Manager for Racks			

