POWER INFORMATION TECHNOLOGY COMPANY

TENDER DOCUMENT

FOR

RATE CONTRACTS

OF

MICRO COMPUTERS, RELATED EQUIPMENT
HEAVY DUTY PRINTERS
AND
SOFTWARE

TENDER NO. PITC/G-224(14)/07-2017

CONTACTS: Director General (ISDS)
Phone: 042-99202163
                                    042-99202211 Ext.2064. 3016
Fax: 042-99202799

ABRIDGMENT

1. Recipient	CEO (PITC)
2. Venue	PITC Conference Room, Subbasement WAPDA House Lahore
3. Pre-bid Conference Date and Time.	27 -07-2017, 11:00 A.M
4. Closing Date& Time of Technical & Financial Bids	08-08-2017 , 11:00 A.M
5. Technical Bids shall be opened	08-08-2017, 11:30 A.M
6. Opening Date & Time of Financial Bids	Technical responsive firms shall be informed to participate in the opening process of financial bids with date and time.
7. Bid Money	2% of the total value of quoted cost (Please enclose bid money with technical bid envelope)
8. Type of Tender	Single Stage Two Envelopes
9. Cost of Tender Document	Rs.5,000/=

MATERIAL REQUIRED

Category-A	Servers, Desktop Computers, Laptop Computers, Multimedia Projectors.
Category-B	Computer Accessories.
Category-C	Laser jet Printers.
Category-D	1500 LPM Printers, Dot Matrix Printers (80,132) Colum wide 480 CPS.
Category-E	Scanners, Bar Code Readers.
Category-F	UPS (650VA, 1, 3, 6, 10 KVA capacities) and Dry Batteries for UPS.
Category-G	Software (MS Windows, MS Office, Antivirus and MS Windows Server 2016)
Category-H	Toners , Cartridges & Ribbons

Note: Only firms are eligible to participate in pre-bid conference that has purchased tender document.

Note:

I. Specifications must be equivalent to above or higher/the latest.

II. Mention exact brand, model and part No. of quoted items and their supporting accessories.

III. Manufacturing Warranty with parts and labor for all hardware.

Sealed quotations are invited from the potential dealing firms to devise rate contracts for the supply of computers, related equipment and Licensed Software in various categories with detail given in "Bill of Quantity". The rate contracts will remain enforced for a period of three months from the date of issuance and further extendable to three months repeatedly, if agreed by both the parties, not exceeding one year in total.

1. <u>INSTRUCTIONS TO THE BIDDER</u>

1.1　Rates should be quoted on the FCS basis (Free delivery at Consignee's　Store).

1.2　The bidders are required to submit technical and financial bids in separate sealed envelopes, clearly marking "Technical" and "Financial", two copies of each (marked as <u>Original </u>and <u>Copy</u>). Soft copies of bids will also be required. Firms will be short listed on the basis of scrutiny of the technical bids. Financial bids of the short listed firms will be opened in the presence of bidders or their authorized representatives.

1.3　Date of opening of the financial bids will be informed well in time to technically qualified firms.

1.4　The bidders shall furnish 2% bid money as a part of their tenders in form of Bank Draft or Bank Guarantee in favour of CEO (PITC), WAPDA House, Lahore, to be enclosed in the envelop of **technical bid**.

1.5　Successful bidder shall deposit performance security, as described in rate contract or PO, not exceeding 10% of the value of the proposed purchase order in shape of bank draft or bank guarantee issued by any scheduled bank, in favour of indenter. The same shall be released after expiry of warranty period.

1.6　Competent authority reserves the right to accept or reject any offer or a part thereof or increase/decrease quantity to any extent without assigning any reason. The offer received incomplete or not in accordance with the conditions/specifications will not be entertained. Bid offered is likely to be ignored if: -

　　i)　The tender is unsigned (all pages should be signed).
　　ii)　It is received after the time and date fixed for its receipt.
　　iii)　Offer is ambiguous or conditional.
　　iv)　The offer is from a firm who is blacklisted by PEPCO, PITC, NTDC, WAPDA or any other government organization, or is in litigation with any government organization or is defaulter in any previous order and/or contract.
　　v)　The offer is unsolicited.
　　vi)　The bid is not accompanied with full earnest money.

1.7　The tenders prepared by the bidders should comprise of the following documents:-

　　i)　Covering letter.
　　ii)　Receipt of tender document cost.
　　iii)　Bid Money.
　　iv)　Bill of quantities provided with tender document duly filled, signed and stamped.
　　v)　All certificates as per clause 4.

Note:

　I.　Specifications must be equivalent to above or higher/the latest.
　II.　Mention exact brand, model and part No. of quoted items and their supporting accessories.
　III.　Manufacturing Warranty with parts and labor for all hardware.

2. TERMS AND CONDITIONS

2.1 All the equipment must be brand new, operable directly on 220 $\pm$ 5 volts and 50 MHz frequency.

2.2 The quoted price must be firm, final, inclusive of all taxes, transportation charges etc. and should be in Pak Rupees.

2.3 The purchaser is not bound to accept the lowest offer not fulfilling the requisite criteria. The reasons for rejecting the lowest or any offer shall not necessarily be communicated.

2.4 Price will remain valid for at least 90 days from the date of opening of quotation.

2.5 The supplier shall be liable for liquidated damages @ 2% PM, if he fails to deliver the equipment within delivery period.

2.6 Quantities given in Bill of Quantity are based on rough estimate and may increase or decrease up to any extent. Successful bidder shall be bound to supply the required quantity, on the approved rates within the validity of the rates.

2.7 A joint inspection of the equipment supplied shall be carried out by CEO (PITC) or his representative and consignees or their authorized representatives at firm's premises.

2.8 Supplier shall deposit 0.5% (service charges for joint inspection) in the account of PITC of the purchase orders placed against the rate contracts executed by PITC.

2.9 The supplier has to arrange one complete set of equipment offered (hardware), if asked for demonstration and inspection in the office of Chief Executive Officer (PITC), WAPDA House, and Lahore before issuance of Rate Contract/Purchase Order. The equipment, which does not meet the technical specifications, can be rejected and the offer can be declared as technically nonresponsive.

3 SCHEDULE OF SUIPPLY
The delivery, installation of the equipment will be completed within one month. In case of importable equipment to be shipped from abroad, delivery period can, however be allowed up to 60 days.

4 EVALUATION CARITARIA

Bidder as a part of his bid shall provide the following depending upon applicability:

4.1 Complete specifications with supporting document, broachers of the offered items. Specifications do not meet the tender requirements; offered material shall not be entertained.

4.2 A list showing the location of head office along with those of branch offices.

4.3 A list of technical expertise and qualified maintenance engineers/staff to handle the hardware maintenance task efficiently along with their qualification.

4.4 A list of clients to whom the bidder has done or been doing business during   last 3 years along with their Names, Addresses and Phone Numbers.

4.5 A certificate describing the guaranteed response time after a hardware failure when the complaint is logged within the warranty period. The maximum expected

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 III. Manufacturing Warranty with parts and labor for all hardware.

down time should also be defined and must not be more than 48 hours (two days). In case machine remains down beyond that duration, the bidder must have the demonstrated capability to replace faulty equipment.

4.6 Credential showing warranty of hardware for minimum three years with parts and labour or as given by manufacturer whichever is higher. Stickers with starting and ending date of warranty should be pasted on the machines at the time of delivery.

4.7 A clear written commitment to the effect that if any component of equipment supplied is damaged during warranty period it shall be replaced with the same or superior compatible component.

4.8 List of consumables/exclusives (where applicable) which are not covered under warranty.

4.9 Manufacturer's authorization certificate for this Tender.

5. TERMS OF PAYMENT

Payment of the equipment supplied will be made directly by consignees within thirty days, from the date of receipt of invoice, on production of following documents:

a) Invoice in triplicate having NTN.
b) GRN (Goods Receipt Note) issued by the consignee.
c) Joint Inspection Report.
d) Warranty Certificate as per clause 4.5.
e) Sales Tax Invoice (if not exempted) or attach exemption certificate.
f) Non-payment certificate.
g) Performance Security Receipt Certificate (otherwise performance security will be deducted from the submitted invoice).

6. EVALUETATION FORMULAS

6.1 Technical bids will be evaluated as per given criteria in clause 7.The bidder will be declared technically qualified if score of technical factors is 70% or more.

6.2 The financial bids will be opened only of those firms who will be technically qualified.

6.3 The maximum points of financial bids will be allotted 30 to the lowest price bid that is opened and compared among those invited firms which obtain the threshold points in the evaluation of the technical component. All other price bids will receive points in inverse proportion to the lowest price; e.g.

Price Score = $\dfrac{\text{(Total Price Score i.e. 30 x Lowest Bid Price)}}{\text{Price Score of Bidder}}$

Example:

1st Lowest Bid Price = 1000
2nd Lowest Bid Price = 1050

Price Score of 1st Lowest Bidder = (30 * 1000)/1000 =30.00
Price Score of 2nd Lowest Bidder = (30 * 1000)/ 1050= 28.57

Note:

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III. Manufacturing Warranty with parts and labor for all hardware.

6.4 The total points for bid evaluation are 100 out of which the technical bid will carry 70 points and financial will be weighed 30 points.

7. <u>TECHNICAL EVALUATION CRITERIA</u>

The Technical responsiveness will be determined by evaluating the following factors.

Sr.#	Factors					Max. Score
I.	**Company profile**					20
i.	Type (PVT), Ltd, Proprietary etc.					5
ii.	No. Of Branches in Pakistan					5
iii.	Age of Company (Min five years)					5
iv.	Experience with WAPDA/PEPCO/PITC/DISCOs/NTDC					5
II.	**Technical responsiveness of quoted items**					30
III.	**A list of clients** (other than WAPDA/PEPCO/PITC/DISCOs/NTDC) to whom the bidder has done or been doing business during last 3 years along with their Names, Addresses, Phone Numbers. List is to be provided bifurcating in following slabs: ☐ Less than 0.5 million (7 marks) ☐ 0.5 million to 3 million (15) ☐ Above 3 million (21)					20
IV.	**Qualified staff position of the firm (attach list).**					30
	Sr. No.	Name	Post	Qualification	Total Experience	Experience with present employer
	Max. score					100

Note:

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II. Mention exact brand, model and part No. of quoted items and their supporting accessories.

III. Manufacturing Warranty with parts and labor for all hardware.

BILL OF QUANTITIES

CATEGORY-A (SERVERS and COMPUTERS)

Sr.#	ITEM DESCRIPTION	Estimated quantity	Part No. (where applicable)	On FCS Basis	
				Unit Rate	Total cost (including installation)
1(a)	**OCTA COREXEON SERVER** ▪ (HP/IBM/Dell/Fujitsu/Sun/Huawei or Equivalent brand) ▪ 2 x Intel® Xeon® E5-2680 v4 2.4 GHz,35M Cache,9.60GT/s QPI,Turbo,HT,14C/28T (120W) Processor ▪ Intel C610 chipset or higher ▪ 64 GB (4 X 16 GB) GB Memory , RDIMM, 2400MT/s, Dual Rank, x8 Data Width ▪ HDD (4 X 1.2 TB) SAS, 1 2 Gb/s, 10k rpm hot-plug, 2.5-inch, Additional Hard Disk Bay (2.5 inch) up to 16 or higher ▪ Integrated raid controller, 1 GB NV cache (Raid 0, 1, 5, 10, 50, 60). ▪ DVD RW drive, SATA **(Internal / External)** ▪ 10/100/1000 Gigabit Network Adapter with 04 ports ▪ USB, RJ45, Serial and Remote Management port ▪ Dual, Hot-plug Redundant Power Supplies (1 + 1) ▪ Standard Integrated Graphic Adapter ▪ Standard key board and Mouse ▪ Power Interface Cables ▪ Rack mountable Model ▪ Pre-failure Warranty of Processor, RAM and Hard Drives by Manufacturer.	5			
	Optional:				
	A. Price of Additional 1.2 TB SAS 1 2 Gb/s 10k RPM HDD	1			
	B. Price of additional RAM 16 GB RDIMM, 2400MT/s, Dual Rank, x8 Data Width	1			
	C. RDX 1000 USB 3.0 (Backup Drive)	1			
	D. RDX Cartridge 500 GB (Backup Media)	1			
	E. Price with 03 year Warranty Period	1			
	F. Price with 05 year Warranty Period	1			
	G. Display 18.5" or higher LED Color Monitor	1			
1(b)	Price of Tower Model Server with same spec as of Rack Mounted	5			

Note:

   I.   Specifications must be equivalent to above or higher/the latest.

   II. Mention exact brand, model and part No. of quoted items and their supporting accessories.

   III. Manufacturing Warranty with parts and labor for all hardware.

Sr.#	ITEM DESCRIPTION	Estimated quantity	Part No. (where applicable)	On FCS Basis	
				Unit Rate	Total cost (including installation)
1(c).	**INTEL XEON SERVER** ▪ (HP/IBM/Dell/Fujitsu/Sun/Huawei or Equivalent brand) ▪ Intel® Xeon® E3-1270 v6, 3.8 GHz, 8M cache, 4C ▪ Intel C232 Series Chipset, equivalent or higher ▪ 16 GB (2 x 8GB) DDR4 RAM ▪ 4 x 1TB 7.2K RPM SATA 6Gbps 3.5" or 2.5" Hard Drive ▪ DVD-ROM (Supper Drive) ▪ Standard Power Supply ▪ Ethernet 1 GB Dual Port Adapter ▪ Integrated Graphic card ▪ Micro ATX Tower ▪ At least 4 USB 2 x USB 3.0 plus 2 x USB 2.0 ▪ All parts should be branded	5			
2(a)	**(i) DESKTOP COMPUTER Core i5 (Branded)** ▪ (HP/IBM/Dell/Fujitsu or Equivalent brand) ▪ 7th Generation Processor Intel® Core™ i5-7500 or higher (Quad Core, 6MB, 4T, 3.4GHz, 65w Intel® Chipset Q270. ▪ 8-GB Non-ECC DDR4 2400 MHZ SDRAM Memory ▪ 16X DVD +/- RW Drive ▪ 1 TB Hard Disk Drive7,200 RPM SATA ▪ Manufacturer's own Enhanced Key Board & Scroll optical Mouse with Pad. ▪ Intel HD Graphics (integrated) ▪ Intel integrated Ethernet Gigabit network ▪ 18.5" LED backlit LCD Display ▪ Mini Tower/Tower Casing with Power Supply Manufacturer Standard ▪ 3.5"/2.5" internal drive bays supporting multiple hard disk drives capable of RAID configurations ▪ Power Interface Cables. ▪ All parts should be branded.	50			
	(ii) Mini Desktop Computer Core i5 (Branded) With same Specification as above (with 18.5" LED Bracket Mount)	20			

Note:

    I. Specifications must be equivalent to above or higher/the latest.

    II. Mention exact brand, model and part No. of quoted items and their supporting accessories.

    III. Manufacturing Warranty with parts and labor for all hardware.

Sr.#	ITEM DESCRIPTION	Estimated quantity	Part No. (where applicable)	On FCS Basis	
				Unit Rate	Total cost (including installation)

2(b)	**(i)** **DESKTOP COMPUTER Core i7 (Branded)**
	(HP/IBM/Dell/Fujitsu or Equivalent brand)
	    ■ 7th Generation Intel® Core™ i7-7700 or higher Processor (Quad Core, 8MB, 8T, 3.6GHz, 65W)
	    ■ Intel® Chipset Q270.
	    ■ 16-GB Non-ECC DDR4 2400 MHZ SDRAM Memory
	    ■ 16X DVD +/- RW Drive
	    ■ 1 TB Hard Disk Drive7,200 RPM SATA
	    ■ Manufacturer's own Enhanced Key Board & Scroll optical Mouse with Pad.
	    ■ Intel HD Graphics (integrated)
	    ■ Intel integrated Ethernet Gigabit network
	    ■ 18.5" LED backlit LCD Display
	    ■ Mini Tower/Tower Casing with Power Supply Manufacturer Standard
	    ■ 3.5"/2.5" internal drive bays supporting multiple Hard Disk drives capable of RAID configurations
	    ■ Power Interface Cables.
	    ■ All parts should be branded.
		50			

	(ii) **Mini Desktop Computer Core i7 (Branded)** **With same Specification as above (with 18.5" LED Bracket Mount)**	20			
3(b)	**LAPTOP COMPUTER Core i5 (Branded)** (HP/IBM/Dell/Fujitsu or Equivalent Brand) ■ 7th Generation Intel® Core™ i5-7200U (2C/4T 3.1GHz, 3M cache) or higher ■ Minimum 16 GB 2400 MHz DDR4 SDRAM ■ 1 TB SATA 5400 RPM or Higher ■ Intel Integrated HD Graphics ■ Battery as per Manufacturer Standard. ■ Integrated 10/100 BASE Ethernet at least ■ Integrated Sound, Blue tooth, Wi Fi dual band, Webcam ■ Touch pad for easy and prompt use ■ Key Board backlit with numeric pad ■ Multi Media Card Reader ■ 15.6" High Definition Wide LED Anti-Glare Display ■ Genuine Windows 10 Professional Edition (64-Bit) ■ Manufacturer Power Adopter AC 220/240 Volts ■ Documentation CD's, Original Manufacturer Carrying case	50			
	(i) DVD+/-RW Drive (Supper Drive) **(Optional)**	10			

Note:

    I. Specifications must be equivalent to above or higher/the latest.

    II. Mention exact brand, model and part No. of quoted items and their supporting accessories.

    III. Manufacturing Warranty with parts and labor for all hardware.

Sr.#	ITEM DESCRIPTION	Estimated quantity	Part No. (where applicable)	Unit Rate	Total cost (including installation)
3(c)	**LAPTOP COMPUTER Core i7 (Branded)** (HP/IBM/Dell/Fujitsu or Equivalent brand) ▪ 7th Generation Intel® Core™ i7-7820HQ or higher (4C/8T 2.9 GHz up to 3.9 GHz, 8M cache, 35W) ▪ Chipset Intel Mobile CM238 ▪ Minimum 16 GB 2400MT/s MHz DDR4 SDRAM ▪ 1 TB SATA 5400 RPM or Higher ▪ Intel HD Graphics integrated ▪ Display 15.6" High Definition (1920 x 1080) Anti-Glare ▪ Battery as per Manufacturer Standard Integrated 10/100/1000 BASE Ethernet at least ▪ Integrated Sound, Blue tooth, Wi Fi dual band, ▪ Webcam (HD video) ▪ Touch pad for easy and prompt use ▪ Key Board backlit with numeric pad ▪ Multi Media Card Reader ▪ Genuine Windows 10 Professional edition (64-Bit) ▪ Manufacturer Power Adopter AC 220/240 Volts Documentation CD's, Original manufacturer carrying case.	10			
	(i) DVD+/-RW Drive (Supper Drive) **(Optional)**	10			
3(d)	**LAPTOP COMPUTER Core i7 (Branded)** (HP/IBM/Dell/Fujitsu or Equivalent brand) ▪ 7th Generation Intel® Core™ i7-7600U or higher (2C/4T 2.8 GHz up to 3.9GHz, 4M cache, 15W) ▪ Minimum 16 GB 2400 MHz DDR4 SDRAM ▪ 1 TB SATA 5400 RPM or Higher ▪ Intel Integrated HD Graphics ▪ 15.6" High Definition Wide LED Anti-Glare Display ▪ Battery as per Manufacturer Standard ▪ Integrated 10/100 BASE Ethernet at least ▪ Integrated Sound, Blue tooth, Wi Fi dual band, Webcam ▪ Touch pad for easy and prompt use ▪ Key Board backlit with numeric pad ▪ Multi Media Card Reader ▪ Genuine Windows 10 Professional edition (64-Bit) ▪ Manufacturer Power Adopter AC 220/240 Volts Documentation CD's, Original manufacturer carrying case.	50			
	(i) DVD+/-RW Drive (Supper Drive) **(Optional)**	10			

Note:

I. Specifications must be equivalent to above or higher/the latest.

II. Mention exact brand, model and part No. of quoted items and their supporting accessories.

III. Manufacturing Warranty with parts and labor for all hardware.

Sr.#	ITEM DESCRIPTION	Estimated quantity	Part No. (where applicable)	Unit Rate	Total cost (including installation)
3(e)	**LAPTOP COMPUTER Core i7 (Branded) Slim & Light Weight 14"** (HP/IBM/Dell/Fujitsu or Equivalent Brand) • 7th Generation Intel® Core™ i7-7600U or higher 2 Core, 2.8 GHz, 4M cache, 15W) • Minimum 16 GB 2400 MHz DDR4 SDRAM • Storage M2 SSD 256 GB or higher • Intel Integrated HD Graphics 620 or higher • Battery as per manufacturer standard • USB 3.0, USB Type-C, 1 HDMI • Integrated Sound, Blue tooth, Wi Fi dual band, • HD Webcam • Touch pad for easy and prompt use • Key Board (backlit) • Multi Media Card Reader • Display 14 " Led Full HD (1920 X 1080) • Genuine Windows 10 Professional edition (64-Bit) • Manufacturer Power Adopter AC 220/240 Volts Documentation CD's, Original manufacturer carrying case.	5			
4.	**COMPACT MULTI MEDIA PROJECTOR** • 3 LCD Technology 3 Chip Technology • Resolution: True 1024x768 XGA at least. • Brightness: 3000 Lumens (Minimum) • Contract ratio:10,000:1 • 5000 hours lamp life or higher • RGB and USB input, HDMI port • Remote control, Operational Manuals • Laser Pointer • All Video System supported, Operational Manuals	10			
	(i) Additional cost for Screen 6' x 6' **(Automatic)**	5			
	(ii) Additional cost for Screen 6' x 6' **(Manual)**	5			

Note:

I. Specifications must be equivalent to above or higher/the latest.

II. Mention exact brand, model and part No. of quoted items and their supporting accessories.

III. Manufacturing Warranty with parts and labor for all hardware.

CATEGORY-B (ACCESSORIES)

Sr. #	ITEM DESCRIPTION	Estimated Quantity	Part No (where applicable	On FCS Basis	
				Unit Rate	Total cost including installation
1	**HARD DISKS** **(a)** 300 GB-10K SAS, Hot plug drive for server Machine HP-RX-3600	10			
	(b) 1TB 7200 RPM SATA II Disk (3.5" / 2.5")	5			
	(c) 2TB 7200 RPM SATA II Disk (3.5" / 2.5")	5			
	(d) 3 TB External Hard Drive (Passport)	5			
2	**Backup Media Items** **(a)** HP DAT 72 GB for Itanium Server Machine	20			
	(b) HP Ultrium Data Tape	20			
3	**LED Monitor (18.5", 20", 22")** ▪ LED Backlit Technology display Monitor ▪ Resolution 1280x1024, Contrast ratio 450:1 or better dual input DVI & VGA. ▪ Power Interface Cables				
	(a) LED Monitor (18.5") (Branded)	5			
	(b) LED Monitor (20") (Branded)	5			
	(c) LED Monitor (22") (Branded)	5			

Note:

I. Specifications must be equivalent to above or higher/the latest.

II. Mention exact brand, model and part No. of quoted items and their supporting accessories.

III. Manufacturing Warranty with parts and labor for all hardware.

CATEGORY-C (LASER JET PRINTERS)

Sr.#	ITEM DESCRIPTION	Estimated quantity	Part No. (where applicable)	On FCS Basis	
				Unit Rate	Total cost (including installation)
1.	22 PPM LASERJET PRINTER (B&W) ▪ Print Speed: 22 PPM (A4) ▪ Resolution: 600 x 600 dpi ▪ Memory : 128 MB RAM (Minimum) ▪ Processor: 600 MHz or above ▪ Monthly duty cycle :10,000 pages or above ▪ Connectivity: USB , WiFi802.11b/g ▪ Paper tray: 2 (Min.) ▪ Input : 150 sheet per tray ▪ Output: 150 sheet for down bin ▪ Operational Manuals, Drivers, Power & Interface	50			
2.	28 PPM LASERJET PRINTER (B&W) ▪ Print Speed: 28 PPM (A4) ▪ Resolution: 600 x 600 dpi ▪ Memory : 256 MB RAM (Minimum) ▪ Processor: 800 MHz ▪ Monthly duty cycle : 30,000 pages ▪ Automatic Duplex ▪ Paper Tray: 2 (Minimum) ▪ Connectivity: USB /Ethernet 10/100 ▪ Input tray: 260 sheet per tray ▪ Output: 150 sheet for down bin ▪ Operational Manuals, drivers, Power & Interface	50			
3.	38 PPM LASERJET PRINTER (B&W) ▪ Print Speed: 38 PPM (A4) or higher ▪ Resolution: 1200 x 1200 dpi ▪ Memory : 128 MB RAM (Minimum) ▪ Processor: 1200 MHz ▪ 100-sheet multipurpose tray 1, 250 sheet input tray2 ▪ Output: 150 sheet ▪ Monthly duty cycle : 80,000 ▪ Connectivity: 1 Hi-speed USB 2.0, 1 Ethernet 1/100/1000 Gigabit Network ▪ Instant-on Technology and Auto-On/Auto-off Technology ▪ Mobile printing capability e print and air print ▪ Direct printing from USB storage device ▪ Operational Manuals, drivers, Power & Interface	50			
	Option-1: Networking laser jet printer	30			
	Option-2: Duplex laser jet printer	10			
	Option-3:Networking and Duplex laser jet printer	10			

Note:

  I. Specifications must be equivalent to above or higher/the latest.

  II. Mention exact brand, model and part No. of quoted items and their supporting accessories.

  III. Manufacturing Warranty with parts and labor for all hardware.

#	Specification	Qty			
5.	**55 PPM LASERJET PRINTER (B&W)** • Print Speed: 55 PPM (A4) or (letter) • Resolution: 1200 x 1200 dpi • Memory : 1 GB RAM (Minimum) • Processor: 800 MHz • 100-sheet multipurpose tray. 1,500 • sheet input tray2 • With option additional trays • Hard Disk 320 GB or above **(option with/ without HHD)** • Monthly duty cycle : 300,000 • Connectivity: 2 Hi-speed USB 2.0, 1 Ethernet 1/100/1000 Gigabit network • Instant-on Technology and Auto-On/Auto-off Technology • Mobile printing capability e Print and air print • Direct printing from USB storage device	5			
	5a. Toner price, paper yield and cost effective per page for printer	5			
	5b Maintenance Kit for printer	5			
6.	**65 PPM LASERJET PRINTER (B&W)** • Print Speed: 65 PPM (A4) or Higher • Resolution: 1200 x 1200 dpi • Memory : 3 GB RAM (Minimum) • Processor: 2.0 MHz or higher • 100-sheet multipurpose tray 4,0 00 • sheet input 3 tray • Hard Disk 250 GB or above **(option with / without HHD)** • Monthly duty cycle : 275,000 • Connectivity: 2 Hi-speed USB 2.0, 1 Ethernet 1/100/1000 Gigabit network • Instant-on Technology and Auto-On/Auto-off Technology • Mobile printing capability e Print and air print Direct printing from USB storage device	5			
	6a. Toner price, paper yield and cost effective per page for printer	5			
	6b. Maintenance Kit for printer	5			
7.	18 PPM COLOUR LASERJET PRINTER • Print Speed: 18 PPM (A4) or Higher • Resolution: 600 x 600 dpi • Memory : 128 MB RAM • Processor: 800 MHz • 50-sheet multipurpose tray 1, 150 sheet input tray2 • Monthly duty cycle : 30,000 • Connectivity: 1 USB , Ethernet 10/100 • Operational Manuals, drivers, Power & Interface cables	5			

Note:

I. Specifications must be equivalent to above or higher/the latest.

II. Mention exact brand, model and part No. of quoted items and their supporting accessories.

III. Manufacturing Warranty with parts and labor for all hardware.

8.	LASER JET PRINTER /FAX/SCANNER/COPIER (Multifunction) ▪ Print Speed : 22 PPM (A4) or above ▪ Processor 600 MHz ▪ RAM 256 MB ▪ Scan: 1200 x 1200 dpi, ▪ option Scan to e-mail ▪ 150 sheet Input tray ▪ Duty cycle 10,000 ▪ Copy up to 19 CPM, 35 pages ADF ▪ Fax:_Res:300 X 300 dpi forward and backing ▪ support ,500 pages memory ▪ Connectivity: USB 2.0 ports,10/100/1000 ▪ base-T Ethernet Network port,RJ-11 ▪ Telephone port. ▪ Operational Manuals, Power & Interface Cable.	5			
9.	LASER JET PRINTER /FAX/SCANNER/COPIER (Multifunction) ▪ Print Speed : 40 PPM (A4) or above ▪ Processor 1200 MHz ▪ Memory 256 MB RAM or Higher ▪ Scan: 1200 x 1200 dpi, option Scan to e- mail ▪ 150 sheet Input tray ▪ Copy up to 35 CPM, 30 pages ADF ▪ Fax:_Res:300 dpi forward and backing ▪ support ,300 pages ▪ Connectivity: USB,10/100/1000 ▪ base-T Ethernet network port ▪ Operational Manuals, Power & Interface Cable.	5			

Note: Please Quote Price and yield of Printer Toners, Cartridges along with per page cost for each quoted laser printer.

Note:

   I. Specifications must be equivalent to above or higher/the latest.
   II. Mention exact brand, model and part No. of quoted items and their supporting accessories.
   III. Manufacturing Warranty with parts and labor for all hardware.

CATEGORY-D   DOT MATRIX PRINTERS

Sr.#	ITEM DESCRIPTION		Estimated quantity	Part No. (where applicable)	On FCS Basis	
					Unit Rate	Total cost (including installation)
1	**1500 LPM Heavy Duty Printers**					
	Print Technology	Line impact dot matrix				
	Mechanism	1500 Line/min				
	Memory	256 MB Flash: 128 MB DDR2 DRAM				
	Workload	24 x 7 printing with at least				
	Fonts	Draft, Data Processing, Courier, OCR A& B, NLQ Serif, NLQ San s or equivalent				
	Character Styles	Bold, italic, superscript, subscript, underline, over line, strike through				
	Graphics Resolution	At least 180 X 140 (H X V)				
	Paper Handling Features	Straight paper path, paper out and paper motion detection, forms position retained in non-volatile memory				
	Print Media	Up to 6-part forms, forms thickness maximum .025", weight: 15-100 lb. stock				
	Paper Sizes	Width: 3" - 17"				
	Standard Interfaces	USB & RS232C,10/100 Ethernet card for full configuration from webpage to monitor printer status, real time updates & storing/Loading/Displaying configuration				
	Ribbon Cartridge	Yield of Ribbon in appropriate unit (preferably in pages)				
	Power Requirements	V+5, 50 Hz (auto-ranging)				
	Kit	Enclosed paper cabinet, paper tray and castors				
	Power supply	Universal power supply – Auto-ranging				
	• **Without Trading**		10			
	• **With Trading of Existing Line printers Printronix P7215 at DISCO's Computer Centers (Can be seen in the offices of Director (MIS) of all DISCOs in Pakistan).**		10			
2.	**132 column wide ,** 480 **CPS DOT MATRIX PRINTER**					
	▪ With standard specifications ,Operational Manuals, ▪ Power & Interface Cable And Dust Covers ▪ 24 pin, impact dot matrix, wide carriage 132 column 480 CPS @10 CPI		5			
3.	**80 column wide ,** 480 **CPS DOT MATRIX PRINTER**					
	▪ With standard specifications ,Operational Manuals, ▪ Power & Interface Cable And Dust Covers ▪ 24 pin, impact dot matrix, wide carriage 80 column 480 CPS @10 CPI		5			

Note:

   I. Specifications must be equivalent to above or higher/the latest.
   II. Mention exact brand, model and part No. of quoted items and their supporting accessories.
   III. Manufacturing Warranty with parts and labor for all hardware.

CATEGORY-E SCANNERS AND BAR CODE READER

Sr.#	ITEM DESCRIPTION	Estimated quantity	Part No. (where applicable)	On FCS Basis	
				Unit Rate	Total cost (including installation)
1	I. <u>AUTOMATIC DOCUMENT FEEDER (DUPLEX) SCANNER</u> ▪ 600 X 600 dpi ▪ 24 bit colour ▪ Scan speed 20 PPM colour or higher ▪ 8.5 x 14 inches paper size or higher ▪ Paper path (double, u turn and straight) ▪ 50 pages automatic document feeder ▪ Software for editing ▪ Power, Interface cable USB	5			
	II. <u>AUTOMATIC DOCUMENT FEEDER (SIMPLEX) SCANNER</u> ▪ 600 X 600 dpi ▪ 24 bit colour ▪ Scan speed 30 PPM colour. ▪ 8.5 x 14 inches paper size ▪ 30 pages automatic document feeder ▪ Software for editing ▪ Power, Interface cables& Dust Covers	5			
	III.<u>FLAT BED SCANNER</u> ▪ 600 X 600 dpi ▪ 48 bit colour ▪ A4 paper size or higher ▪ Software for editing ▪ Power, Interface cables	5			
	IV. <u>BARCODE READERS</u> Bi-directional (With continuous Scanning Mode), Power Cable, Metallic stand along with Interface USB, document CD.	10			

Note:

I. Specifications must be equivalent to above or higher/the latest.

II. Mention exact brand, model and part No. of quoted items and their supporting accessories.

III. Manufacturing Warranty with parts and labor for all hardware.

CATEGORY-F (POWER SOURCE/BACKUP)

Sr.#	ITEM DESCRIPTION	Estimated quantity	Part No. (where applicable)	On FCS bases	
				Unit Rate	Total cost (including installation)
1.	650VA UPS with Following Specifications: ▪ With minimum 10 minutes backup on full load ▪ Sealed lead battery (1 x 9Ah/v12) ▪ Transformer with copper winding ▪ In put voltages 220 with tolerance ± 15 % ▪ Output 220 Volts and Frequency 50 Hz ▪ Built-in Surge and Spike Suppressor low battery Overload Indicators ▪ Line Interactive, auto battery and circuit test minimum two Power Outputs ▪ Operational Manuals ▪ **Battery life** of 3 years minimum. In case of battery failure before its defined life, the replacement shall have to be provided by the Vendor on prorated basis.	50			
2.	1 KVA UPS with Following Specifications: ▪ With minimum 10 minutes backup on full load ▪ Sealed lead battery ▪ 2 X 7Ah/12V batteries ▪ Transformer with copper winding ▪ In put voltages 220 with tolerance ± 15 % ▪ Output 220 Volts and Frequency 50 Hz ▪ Built-in Surge and Spike Suppressor low battery Overload Indicators ▪ Line Interactive, auto battery and circuit test minimum two Power Outputs ▪ Operational Manuals ▪ **Battery Life** of 3 years minimum. In case of battery failure before its defined life, the replacement shall have to be provided by the Vendor on prorated basis.	100			
3.	3KVA ,6KVA and 10 KVA UPS with the following specifications *Standard Features of UPS* ▪ True On-Line ▪ Double Conversion ▪ Pure Sine Wave ▪ Built-in Isolation Transformer with copper winding **(In Tower Model)** ▪ LCD Front Panel Display ▪ Microprocessor Controlled ▪ Advanced IGBT inverted Technology ▪ High Output Power Fact ▪ Low Output Voltage Distortion ▪ Cold Start Function (start-up without mains power) ▪ Built-in RS-232 Communication Port ▪ Built-in Redundant Parallel Architecture (RPA) ▪ ECO Mode enables automatic energy savings ▪ *Technical Specifications* ▪ INPUT: ▪ Nominal Input Voltage: 220V	5			

Note:

I. Specifications must be equivalent to above or higher/the latest.

II. Mention exact brand, model and part No. of quoted items and their supporting accessories.

III. Manufacturing Warranty with parts and labor for all hardware.

Sr.#	ITEM DESCRIPTION	Estimated quantity	Part No. (where applicable)	On FCS bases Unit Rate	On FCS bases Total cost (including installation)
	▪ Input Frequency: 40 ~ 70 Hz (auto sensing) Input Voltage Tolerance: 172 ~ 285V ▪ Input Power Factor: 0.90 $\leq$0.99 ▪ Bypass: Built-in Manual Maintenance Bypass Built-in Automatic Static Bypass ▪ OUTPUT: ▪ Output Voltage: 220V ▪ Output Power Factor: Minimum 0.8 in Battery mode ▪ Output Voltage Regulation: ± 1% ▪ Output Frequency: 50 / 60 Hz ▪ Waveform Type: Pure Sine Wave ▪ BATTERIES & RUNTIME: ▪ Battery Type: VRLA Sealed Lead Acid Batteries Automatic Battery Test Automatic Battery Calibration Test Backup Time: 10 Minutes at Full Load				
	TOWER CASING				
	(i) 3 KVA	5			
	(ii) 6 KVA	5			
	(iii) 10 KVA	5			
	RACK MOUNTABLE				
	(i) 3 KVA	5			
	(ii) 6 KVA	5			
	(iii) 10 KVA	5			
	Battery Life of three year minimum. In case of battery failure before its defined life, the replacement shall have to be provided by the Vendor on prorated basis.				
4.	UPS Batteries				
	(i) Batteries 12V 7.2 AH	20			
	(ii) Batteries 12V 9 AH	20			
	(iii) Batteries 12V 12 AH	20			
	(iv) Batteries 12V 18 AH	20			
	(v) Batteries 12V 26 AH	20			
	(vi) Batteries 12V 40 AH	20			

Note:

I. Specifications must be equivalent to above or higher/the latest.

II. Mention exact brand, model and part No. of quoted items and their supporting accessories.

III. Manufacturing Warranty with parts and labor for all hardware.

CATEGORY-G (SOFTWARE)

Sr. #	Software Description	Estimated Quantity.	Part No (where applicable)	On FCS Bases	
				Unit Rate	Total Cost (Including Installation)
1.	**i)** Microsoft Office Professional latest version with Media Kit	1			
	ii) Microsoft Office Professional Plus 2013 OLP License	1			
	iii) Windows 10 Professional Corporate package 64 bit	1			
2.	**Antivirus should be from Top 5 Brands**				
	i) Antivirus for servers (single server, Mention Brand, No. of users)	1			
	ii) Antivirus for servers (Corporate package, Mention Brand and No. of users)	1			
	iii) Antivirus for Single Users (Mention Brand)	1			
	iv) Antivirus for PC (corporate package, Mention Brand and No. users)	1			
3	**Servers Machines Related Software**				
	i) Microsoft Windows Server 2016 Data Centre Edition OLP License	1			
	ii) Microsoft Windows Server 2016 (Standard Edition) OLP License	1			

Note:

I. Specifications must be equivalent to above or higher/the latest.

II. Mention exact brand, model and part No. of quoted items and their supporting accessories.

III. Manufacturing Warranty with parts and labor for all hardware.

CATEGORY-H (Toners, Cartridges, Ribbons) for Printers

Sr.#	Printers Description	Estimated Quantity.	Part No (where applicable)	Unit Rate (Rs.)	Total Cost Rs. (Including Installation)
1	**LASER PRINTERS**				
	HP LASERJET P1102	5			
	HP LASERJET P2035	5			
	HP LASERJET M102w	5			
	HP LASERJET M203(N/DN)	5			
	HP LASERJET mfp m130fw	5			
	HP LASERJET PRO 400 M401 **(All Types)**	5			
	HP LASERJET M402n/dn	5			
	HP LASERJET 1320	5			
	HP LASERJET P2015	5			
	HP LASERJET Enterprise P3015	5			
	HP LASERJET 2025 color	5			
	HP LASERJET M1212nf MFP (Printer/Fax/Scanner/Copier)	5			
	HP LASERJET PRO 400 M425dn MFP (Printer/Fax/Scanner/Copier)	5			
	Samsung Pro Xpress M3320ND	5			
	Samsung SCX-3405FW	5			
	Samsung Xpress M2070 FW 4in1	5			
	Samsung Pro Xpress M3870FD)	5			
	Samsung ML-2165	5			
	Samsung ML-3470	5			
2	**RIBBON FOR**				
	Printers (OKI 8150)	10			
	Printronix Printer (P7215	10			
	Printronix Printer (P8215)	10			
3	**MAINTENANCE KIT & TONNER FOR HEAVY DUTY LASER PRINTER**				
	Maintenance Kit for HP M806dn & M806X	20			
	Maintenance Kit for HP M606dn	20			
	Toner for printer HP M806dn & M806X	20			
	Toner for printer HP M606dn	20			

Note:

   I. Specifications must be equivalent to above or higher/the latest.
   II. Mention exact brand, model and part No. of quoted items and their supporting accessories.
   III. Manufacturing Warranty with parts and labor for all hardware.