### **BIDDING DOCUMENTS**

## CIVIL HOSPITAL KARACHI HEALTH DEPARTMENT GOVERNMENT OF SINDH

Contract NO:- PD-Trauma Centre-CHK/019 (Rev) 2013-14

**Tender Documents for** 

Supplying, Installation, Testing, Commissioning & Maintenance (during maintenance period) of

I.T. Equipments

at

"Shaheed Mohtarma Benazir Bhutto Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi"

#### **VOLUME-I**

INSTRUCTIONS TO BIDDERS, SALIENT FEATURES /
TERMS & CONDITION OF THE TENDER,
ESSENTIAL REQUIREMENTS / EVALUATION
CRITERIA, FORM OF AGREEMENT, SCOPE OF
WORK AND SPECIFICATIONS

- 11. The Tender documents referred to above constitute a part of this Tender and comprise of the following documents:
  - a) Instructions to bidders.
  - b) Salient Features / Terms & Condition of the Tender Questionnaire / Proforma Evaluation Criteria.
  - c) Form of Agreement.
  - d) Scope of work / Bill of Quantities / Specification (Technical).
  - e) The Addendum (if any).
  - f) The Drawings (if any).
- 12. The Contractors are required to submit the site Organization chart, methodology & work schedule alongwith Tender documents.

## SALIENT FEATURES / TERMS & CONDITION OF THE TENDER

1.	Name of Work & Address	:	Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) of I.T. Equipments at "Shaheed Mohatarma Benazir Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi" (Contract No. PD-Trauma Centre-CHK/019 (Rev) (2013-14).			
2.	Type of Contract	:	Pakistan Rupees – Item rate Contract with no escalation and inclusive of custom clearance etc. in case imported			
3.	Time & Date of issue of Tenders	:	From the date of appearance in Newspapers.			
4.	Place of Issuance of Tender	:	Office of the Project Director, OPD-Block Civil Hospital Karachi.			
5.	Date of pre-bid meeting	:	In case requested by bidders or informed by Project Director.			
6.	Method of opening of Tender	•	It will be Single Stage Two Envelope system as per SPPRA-Rules 2010.			
7.	Date & Time of Submission of Tenders		As published in newspapers			
8.	Date & Time of Opening of Tenders / Technical Proposals	;	As published in newspapers			
9.	Date of Opening of Financial Proposals	:	As informed by Project Director to all participants			
10.	Venue of submission & opening of Tenders	:	Board Room situated at Second Floor of the Administration Block of Civil Hospital Karachi.			
11.	Validity of Tenders	:	90 days from the date of opening of Tenders.			
12.	Amount of Earnest Money/Bid Security	:	2% of the Contract value in shape of pay-order / Call Deposit from schedule Bank to be submitted alongwith Financial Proposal.			
13.	Performance Guarantee	:	Will be provided by the Contractors equivalent to 10% of the contract value from Insurance Company of repute.			
14.	Time of Completion.	:	Three Months (The progress of work shall however be duly coordinated with Civil & other works at site).			
15.	Date of start.	:	One week from the date of Work-Order / Supply Order.			
16.	Certificate of completion.	:	Will be issued by Project Director after the work is finally completed in all respect and date of maintenance will commence from that date.			
17.	Contract Agreement.	:	The Contract shall enter & execute a formal Agreement as per the "Form" annexed with such modification as may be necessary, by the Project Director.			
18.	Stamp Paper requirement for Agreement.	:	- Rs. 0.30% of the Contract Value or as prescribed by Government Laws.			

19.	Terms of Payment to Contractors.		
(i)	Payment to Contractors on opening of L.C (Letter of Credit) by Contractor.	•	In case items are imported, L.C (Letter of Credit) will be opened by Contractors whom work is awarded, in the name of Medical Superintendent – Civil Hospital Karachi as Consignee and Contractors will be paid 80% of the amount of quoted cost of work against the Insurance Guarantee from Insurance Company as stated in para 13 and on the production of L.C papers to the Project Director.
(ii)	Release of Insurance Guarantee	:	On arrival of equipments at site after clearance from Custom Authorities and its physical inspection by Project Director.
(iii)	Payment of balance amount of 20% to the Contractor.	:	Progressively after installation is underway.
20.	Release of Earnest Money/Bid Security of 2%	:	To un-successful bidders, after work is awarded.  Earnest Money will be released to successful bidder after work is awarded but after 5% Security Deposit is deposited as per item – 21.
21.	Security Deposit		5% Security Deposit in the shape of two pay orders (2.5% each) will be submitted by Contractor with Project Director which will be released as per item 23. Bank Guarantee of equal amount will also be acceptable.
22.	MAINTENANCE AND DEFECT LIABILITY PERIOD.	:	18 MONTHS AFTER COMPLETION OFF THE WORK AND COMPLETION CERTIFICATE ISSUED BY PROJECT DIRECTOR AFTER HIS STAISFACTION.
23.	Release of Security Deposit of 5%	:	After completion of maintenance or Defect Liability period of 18 months as under:-  1. After satisfactory completion of maintenance period of Six Months – 2.5%  2. After satisfactory completion of maintenance period of after 18 months – 2.5%
24.	Liquidated Damages due to late completion of work.	:	0.1% of the Contract Value per calendar day, subject to maximum of 10% of the Contract Price at the time of award of work.
25.	VARIATION IN CONTRACT PRICE.	:	NO VARIATION IN PRICE SHALL BE ALLOWED ON ANY GROUND INCLUDING CURRENCY FLUCTUATION/VARIATION OR WHATSOEVER.
26.	Discrepancy.	:	If there is any discrepancy between Salient Features of Tender/Bidding Documents and respective contents mentioned elsewhere, Salient Features / Terms & Conditions and Additional Terms & Conditions of Tender will govern.
27.	Taxes.	:	All taxes will be deducted as per prevalent laws of country.
28.	Approved makes.	:	As mentioned in items individually.
	<u> </u>		I management

	SPECIAL NOTE REGARDING EQUIPMENTS	:	TECHNICAL OFFERS / COMMERCIAL OFFERS FAILING TO DEMONSTRATE BELOW DETAILS WOULD BE REJECTED: a. QUOTED SYSTEM MUST BE OF ADVANCED &LATEST VERSION. b. QUOTATION MUST COVER COMPLETE EQUIPMENT. c. QUOTATION MUST COVER COMPLETE RANGE OF DISPOSABLES / KITS d. QUOTATION MUST PROVIDE ALL TECHNICAL DETAILS UP TO THE SATISFACTION OF THE END USER. e. IT SHOULD BE CE / FDA APPROVED.
30.	Inspection of Imported equipment manufacturing site by the client.	:	After the award of work Supplier shall take two person to the manufacturing site and bear all expenses of visit in case the cost of Supply Order is 50 million or above.
31.	Maintenance.	:	<ul> <li>Maintenance cost for all "I.T. Equipments" for Eighteen months from date of completion shall be undertaken by the Contractor (Maintenance includes all Parts &amp; Labour, etc. with sufficient staff, during maintenance period).</li> </ul>
32.	Default in Preventive Maintenance, Breakdown and Emergency Calls.	:	• In case of default by the Contractor with respect to maintenance, break down and emergency calls, the same will be carried out within 24 hours by Department and the cost so incurred will be deducted from the Retention Money.
33.	COST TO BE QUOTED IN BOQ.	:	<ul> <li>The Contractors shall quote Both DDP and C&amp;F price of the Equipments including custom clearance etc. and delivering of Equipment at site with Installation &amp; Commissioning cost.</li> <li>It should also include cost during maintenance period including the parts and maintenance staff.</li> </ul>
34	Tax Exemption.	:	<ul> <li>As this is a Hospital project, it is exempted from duty &amp; taxes. But incase the exemption is not applicable, Department shall pay duties and taxes to Custom and relevant authorities.</li> </ul>

#### NOTE:-

- 1. As the building is under construction and finishing is underway, the Contractors responsible for "Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) of I.T. Equipments" will also make good all the damages done to the building while Installing I.T. Equipments at no extra-cost. So the Contactors should take into account all such expenditures while quoting the bid.
- 2. Latest Model, State of the Art, with full functional and clinical application including startup, testing, commissioning etc.
- 3. Comprehensive Warranty for 18 months (during maintenance period) (All emergency calls, break down, preventive maintenance as recommended by manufacturer) be provided by Contractor.

4. The quantities shown against each items are just approximate and payment will be made for the items actually required at site and as per availability funds in the light of decision of the Procurement Committee.

#### **ADDITIONAL TERMS & CONDITIONS**

Note: No tender will be accepted after closing of the Tender box, whatsoever reason may be.

- In Technical Bid, the bidder must provide original data sheet, technical brochure, all other 1. relevant documents, alongwith copy of Pay Order / Bank Draft without showing the amount figure otherwise, the bid will be ignored. The technical evaluation will be done on the basis of criteria given in tender document.
- A Column is given against the specification of each item, the vendor has to fill up with YES / 2. NO or put value as desired in the column. These specifications must be highlighted in the brochure.
- In Financial Bid, the vendor should mention financial offer alongwith Pay Order / Bank Draft 3. 2% value of quoted items in favor of Project Director.
- In case of purchase on C&F Basis, the bidder will invest money to open Letter of 4. Credit within couple of week after receiving the supply order and will bear all the charges in this regard. The required certificate will be issued by this office that the impost has been made for this hospital, so as to avail the facility of exemption of duties / taxes, as per Government Rules / Policy according to the SPPRA-2010.
- In case of supply order placed on DDP Basis the bidder should be supplied the 5. quoted item within time as specified in Tender Document i.e. three months.
- The disclosure of firm's price at the time of opening of Technical bid will result in the 6. rejection of the bid.
- No tender will be entertained without earnest money. The earnest money will be forfeited to Government Treasury, in case of non-submission of security money within seven (7) days of 7. receipt of the offer letter.
- Only Manufacturer and / or Sole Agent (if importer) can quote items. 8.
- First scrutiny of Technical Bids will be performed by the Procurement Committee. Financial 9. Bids of only those firms will be opened who are qualified technically.
- Certificate from the Sole Agent / Manufacturer has fully equipped Workshop Trained Personnel / Engineers and Equipment should be provided with technical bid and it can be 10. physically verified by the technical committee of Civil Hospital Karachi.
- The warranty period will commence from the date of receiving of all the Equipment by the 11. Project Director / Officer of Civil Hospital Karachi.
- Firm must provide complete details of their financial standing, listing of similar items supplied in Pakistan, bio-data of engineers with training certificates / test, details of local stock of spare 12. parts for similar furniture and details of office with number of personals.
- The vendor has to quote only one rate for each item as per tender specifications. Hand written 13. tenders or any over writing, cutting, should be signed.
- Vendors should quote the items they intend to supply.
- Offer will be evaluated, all the required item basis, and the item should be supplied by 14. the vendor as approved by the Technical Committee of Civil Hospital Karachi. If any 15. particular item is not approved of the successful vendor then he will bound to supply the item, according to the approved sample.
- The bidder shall submit with the bid, an UNDERTAKING on Non-Judicial stamp paper of Rs. 50/- duly attested by Oath Commissioner, stating that the medical 16. 8

equipment will be supplied brand new, free from defects as per the approved sample and will bind himself for availability of spares for a period of 10 years from the date of supply. In case of winding up of his business, the supplier shall be bound to make an alternate arrangement of spares and maintenance of medical equipment. In case of default, depreciated cost of medical equipment will be recoverable from vendor.

- 7. If it has been found that the information submitted by the bidder regarding his qualification and professional, technical, financial, legal or managerial competence as supplier / contractor is / was false and materially inaccurate or incomplete at any stage, then the bidder will be disqualified.
- 18. Suppliers / Contractors will be responsible for supply at consignee end, free of cost and also responsible for free installation work, if required.
- 19. Equipments will be handed over to the Project Director / officer of Civil Hospital Karachi.
- 20. Price escalation will not be allowed.
- 21. If vendor doesn't supply medical equipment in accordance with the supply order or fails to supply according to terms and conditions or in case of any other default, it will be disqualified and the earnest money will be forfeited.
- 22. If the supplier fails to give supply and install within the stipulated period, Liquidated charges will be imposed.
- 23. The decision once taken will be final and will not be challenged in any Court of Law.
- 24. A copy of Income Tax and GST Registration Certificate should be attached alongwith Technical Bid.
- 25. Conditional Tender(s) against the Government rules and non-compliance of instructions mentioned in Tender Form & Hand written tender(s) will not be entertained.
- 26. The vendor should submit a Data Sheet according to the Tender Specifications Format mentioned in the tender and highlight the tender specifications in their Technical Data Sheet. Additional Features can be mentioned separately.
- 27. In case the information supplied by bidder in Questionnaire / Proforma is incomplete or incorrect, the Tender will be liable to rejection.
- 28. The Medical Superintendent Civil Hospital Karachi / Procurement Committee reserves the right to reject or accept any / all tender(s) as per SPPR-2010.
- 29. The offer will remain valid for 90 days.
- 30. Criteria for Evaluation of Bid.
  - a. Specifications compliance.
  - b. After sale service facility.
  - c. Authority letter from Manufacturer.
  - d. Guaranty of Availability of parts of the supply articles for 10 years.
  - e. Compliance of Terms & Conditions and Additional Terms & Condition of the Bid Form.

I / We agreed above mentioned terms & conditions:

Name of Contractor \_\_\_\_\_\_ Signature \_\_\_\_\_\_

(CNIC NO \_\_\_\_\_\_ (Copy must be attached).)

Full Address \_\_\_\_\_\_

Rubber Stamp \_\_\_\_\_\_

## OUESTIONNAIRE / PROFORMA (To be filled in by the vendor)

1. Name of institutions where the same items supplied with perform	nance report	
• In Pakistan		_
• In Karachi		_
2. Factory address		_
3. No. of Employees		
4. In case of manufacturer	Yes	No
a. Registration with EOBI (Govt. of Pakistan)		
b. Registration with Social Security (Provincial Government)		
c. National Income Tax (Income Tax Department)		
d. Sales Tax Registration		
(Copies must be attached duly attested)		
5. Spare parts Availability Guarantee (No. of years):		
6. Medical Equipment life period (number of years)		
7. On call service charges (After expiry of maintenance period):		
• Minimum:		
• Per day:		
8. In case of in house maintenance by Civil Hospital Karachi are provide following during post warranty period	you willing t Yes	No No
<ul> <li>Back up engineer support whenever requested:</li> </ul>		
<ul> <li>Prompt supply of spares</li> </ul>		
9. Are you Sole Agent of manufacturer (for importer):		
(If Sole Agent, a copy of Income Tax / GST Registration show Otherwise the offer will be ignored / rejected.		
10. Year of Establishment of manufacturing unit		
11. Warranty period (please provide following details):		
Uptime Guarantee:		_%
Response time to maintenance requested:		Hours
12. Briefly state facilities and benefits provided during warranty	period:	

Cumplior's Name			
Supplier's Name:			•
Authorized Signature:		Designation	
_		Rubber Stamp	
Contact No.	Fax No.	Cell No	
	<u> </u>		
E. mail address:			

#### **FORM OF AGREEMENT**

1.	THIS AGREEMENT made this day of Between Messrs. Project Director "Shaheed Mohatarma Benazair Bhutto, Accidents, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi" being hereinafter called the "OWNER" which expression shall, wherever the context so permits, mean and include its successors in interest, executors, administrators, liquidators, nominees and assignees of the ONE PART, and Messrs hereinafter called the "CONTRACTOR", which expression shall, wherever the context so permits, mean and include its heirs, successors in interest, executors, administrators,										
WHER	liquidators, nominees and assignees of the OTHER PART.  WHEREAS:										
	a. The Owner had invited tenders from various contractors for Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) of I.T. Equipments at Shaheed Mohatarma Benazir Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi (Contract No. PD-Trauma Centre-CHK/019 (Rev) (2013-14) in accordance with the requirements, drawings, plans and instructions prepared by the owner, and contained in the tender documents issued by the Owners.										
b.	In response to the invitation of the Owner, the Contractors have tendered their quotations and rates and have offered to carryout the supply, completion and maintenance of the aforcsaid project and facilities in accordance with the requirements, conditions of contract, documents, standard quality, plans, drawings and instructions of the Owner.										
c.	of the C	ner is willing and Contractor on the nts listed is Clause	various terms	accept s and	t the aforesaid conditions sp	quotation, ra ecified herei	ates and offer in and in the				
mutua	NOW THEREFORE, THIS AGREEMENT WITHNESSETH and in consideration of the mutual covenant and condition set forth herein, the parties hereto, do hereby agree, undertake and declare as under:-										
1.	The Following documents, hereinafter called "Contract Documents" shall be deemed to form, read and construed as an integral part of this Agreement:-										
a. b. c. d.	a. Tender documents including Addendum. b. Contractor's bid letter No dated c. Relevant Correspondence.										
Tend S. N	ler	Description			Rate on C&F Basis	Quantity Ordered	Total value in figures				

2. Notwithstanding anything contained to the contrary or in conflict with the provisions of this agreement in any of the documents mentioned in Clause – 1, above, the provisions of this agreement shall prevail and the documents mentioned above shall be deemed to have been amended to the extent of inconsistency found therein, by the provisions of this Agreement, In case of inconsistency between any of the documents

referred to herein, the later documents shall prevail and the tender documents shall be construed to have been amended to that extent.

- 3. In consideration of the Contractors supply, completing and maintaining the work, as described heretofore, in conformity in all respects with provisions of this contract to the entire satisfaction of the owner, and the Contractor acting, abiding and performing his duties and obligations strictly in accordance with the terms and conditions herein and documents of the contract mentioned hereinabove, the Owner shall pay to the Contractor amount as per contract documents listed above.
- 4. This contract shall not be transferable or assignable in whole or part of any of the parties hereto, provided that the Owner may assign his rights and obligations in whole or in part to any other Company which shall be entirely owned Company belonging to the same Group of the Companies as the Owner, In such an event such other Company shall be entitled to act as Owner under this contract.

IN WITNESS WHEREOF the parties hereto, acting through their respective representative, have caused this agreement to be signed, sealed and delivered in their respective names on the day and the year first mentioned hereinabove.

SIGNED, SEALED AND DELIVERED In the name and for and on Behalf of the Owner / PROJECT DIRECTOR	
NAME:	NAME:
DESIGNATION:	DESIGNATION:
WITNESS:	WITNESS:
1. NAME:	1. NAME:
ADDRESS:	ADDRESS:
2. NAME:	2. NAME:
ADDRESS:	ADDRESS:

### SUPPLY ITEMS / SCOPE OF WORK - SPECIFICATIONS (TECHNICAL)

Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) of I.T.

Equipments at "Shaheed Mohatarma Benazair Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi"

S.No	Specification	Qty	Unit	Yes / No / Put desired value
(1)	(2)	(3)	(4)	(5)
1.	PERSONAL COMPUTERS (WITH WINDOWS LICENSED) -BRANDED  Intel based Core i5 3220 (3.30 GHz) Processor or higher and equivalent  Intel based Q75 Chipset or higher and equivalent  4GB (2 x 2GB)DDRIII RAM  500GB SATA Hard Drive  4 or higher SATA Port Controller  DVD-RW Drive — Optional  1 x 1000 Express Gigabit NIC  Integrated Graphics capability  18.5" LCD  upto2 or higher Expansion Slots (mix of PCI Slot and PCI-Express Slots)  Support for Windows 7, Redhat & Ubuntu DT OS  At least 365Watts Non-Hot Plug Power Supply (Higher watts would be a plus)  Standard Keyboard & Mouse  3 Years Manufacturer Limited Warranty  Windows 7 with key and media  Antivirus with Host Intrusion Prevention  Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)  Country of Origin: China, Malaysia, Taiwan or Equivalent	200	Units	
2.	THIN CLIENT OPERATING SYSTEM - BRANDED	100	Unit	s
	<ul> <li>Genuine Windows® Embedded Standard 7E (WES 7E) (32-bit)</li> <li>PROCESSOR / CHIPSET</li> <li>Standard Chassis</li> <li>AMD Dual-Core GX-217GA 64-bit SOC (1.65 GHz, 1 MB L2 cache) with AMD Radeon HD 8280E (450MHz GPU) Graphics</li> <li>MEMORY</li> <li>Flash (boot drive) SSD16 GB</li> <li>Standard system memory4 GB</li> <li>System memory reserved for graphics (minimum)512 MB</li> <li>Maximum system memory (memory speed is 1600 MHz) 4 GB DDR3L 1600 MHz (4 GB x 1)</li> <li>Memory slots</li> <li>STORAGE</li> </ul>			

- Primary Boot drive 16 GB MLC mSATA SSD (32 GB and 64 GB also available)
- Secondary drive options 16, 32, and 64 GB MLC M.21 SSD2 SODIMMs
- INPUT/OUTPUT (peripheral support)
- Keyboard USB or PS/2 (varies by region)
- Mouse USB or PS/2 (varies by region)
- Could be connected to printer Local and/or network printers (RDP, ICA, LPD)
- Video AMD Radeon HD 8280E graphics available on dual-core 1.65 GHz processor only. AMD Radeon HD
- 8330E graphics available on quad-core 1.5 GHz processor only.

#### NETWORKING

- Hardware networking
- 10/100/1000 Gigabit Ethernet (RJ-45)
- Wake on LAN (WOL)
- PXE
- TCP/IP with DNS and DHCP
- I/O PORTS, SLOTS & CONNECTORS

#### HP t620 (standard chassis)

- 4 USB 2.0 ports (two in front, two in rear)
- 2 USB 3.0 ports (in front)
- 2 USB 2.0 ports (hidden inside lockable chassis)
- 2 Display Port 1.2 (rear)
- 2 PS/2 (1, KB, 1 mouse)(rear)
- 1 serial (rear) or 1 VGA (rear, option) or 1 Fiber SC (rear, option provided with Fiber NIC option)
- 1 RJ-45(rear)
- 1 Headphone (front)
- 1 Microphone (front)
- 1 Audio line in (rear)
- 1 Audio line out (rear)

#### AUDIO/VIDEO

AUDIO/VIDEO	
	Internal amplified speaker
	■ 1/8-inch stereo mini jack (headphones, on
	front panel)
Output	■ 1/8-inch stereo mini jack (line out, on rear
Output	panel)
	Internal amplified speaker
	Full 24-bit stereo
	up to 192-kHz sample rate
	■ 1/8-inch mini jack microphone (on front
	panel)
T4	• 1/8-inch stereo mini jack (line in, on rear
Input	panel)
	■ 24-bit stereo,
	up to 192 kHz sample rate

	Audio CODECS with hardware acceleration support  • 18.5" LCD  Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)  Country of Origin: China, Malaysia, Taiwan or Equivalent		
3.	FLATBED SCANNER - BRANDED	10	Units
3.	4800 x 9600 dpi for exceptional scans of photos, slides, negatives, documents Superior color accuracy, photo reproduction with six-color, 96-bit scanning Automatic red-eye removal and detail enhancement Duty cycle of up to 2,000 pages a day	10	
	Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) Country of Origin: China, Malaysia, Taiwan or Equivalent		
4.	FAX MACHINE - BRANDED	02	Units
	<ul> <li>Device Type</li> <li>Copier Type</li> <li>Digital</li> <li>Fax Type</li> <li>Plain paper</li> <li>Printing Technology</li> <li>Monthly Duty Cycle (max)</li> <li>Display</li> <li>PC Connection Availability</li> <li>PC Connection</li> <li>USB 2.0</li> </ul>		
	<ul> <li>MEMORY</li> <li>Standard Memory</li> <li>Max Supported Memory</li> <li>Coping</li> <li>Max Copying Speed</li> <li>Max Document Enlargement</li> <li>Max Documents Reduction</li> <li>Max Printing Resolution</li> <li>Max Printing Speed</li> <li>Max Printing Speed</li> <li>Image Enhancement</li> <li>Technology Scanning</li> <li>Optical Resolution</li> <li>32.0 MB</li> <li>up to 600 x 600 dpi</li> <li>up to 1200 x 1200 dpi</li> <li>up to 1200 x 1200 dpi</li> <li>up to 18.0 ppm</li> <li>HP Fast Res 1200</li> <li>600x 600 dpi</li> </ul>		

	FAX MACHNIE				
	Max Transmission Speed	33.6 kbps			
_	Fax Resolution	300 x 300 dpi			
	Total Memory Capacity	500 Pages			
	Fax Printing Resolution	300 x 300 dpi			
-	Handset	Corded Handset			
	PC Faxing	Yes			
				ļ	
	FAX MACHINE FEATURES				
	• Features	Automatic redialing			
	Fax forwarding				
	Documents & Media Handlin	_			
	Max Original Size	A4 (8.25 in 11.7 in)			
	Original Type	Sheets			
	Document Feeder Capacity				
	Min Media Size	3 in 5 in			
	Max Media Size	Legal (8.5 in x 14 in )			
	Supported Media Type	Cards, Transparencies, Labels,			
	Plain Paper, Envelopes	<u>.</u>			
	Standard Media Capacity	280 Sheets			
	Bypass Feeder Capacity	10 Sheets			
	Output Trays Capacity	100 Sheets			
	Interface	USB 2.0			
	, , , ,	Windows 2000, Windows 7,			
	Windows 8, Windows 98,				
	Systems	Windows XP			
	Complete Job: Supply, Inst	allation, Testing, Commissioning			
		ince (during maintenance period)			
	Country of Origin: China, Ma	` • •			
_		<u> </u>	12	TI-SA	
5.	PHOTOCOPIERS - BRANDI	<u>ED</u>	13	Units	
	• Technology: Laser, Mono/	single component (Less Developer)			
	• Type: Desktop Copier / Prin	nter			
	• Copy Speed: 20 Copies	Per Minute			
1					
	• <b>Resolution:</b> 600 x 600 dpi, 2	256 grayscale			
	<ul> <li>Resolution: 600 x 600 dpi, 2</li> <li>1<sup>st</sup> copy time: 5.9 seconds</li> </ul>				
	• 1 <sup>st</sup> copy time: 5.9 seconds	s or less			
	• 1 <sup>st</sup> copy time: 5.9 seconds • Warm-up time: 20 seconds	s or less Is or less			
3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<ul> <li>1<sup>st</sup> copy time: 5.9 seconds</li> <li>Warm-up time: 20 seconds</li> <li>Continuous copy: 1 – 250</li> </ul>	s or less ls or less copies			
	<ul> <li>1<sup>st</sup> copy time: 5.9 seconds</li> <li>Warm-up time: 20 seconds</li> <li>Continuous copy: 1 – 250</li> <li>Original/copy size: Max.</li> </ul>	s or less ls or less copies A3			
	<ul> <li>1st copy time: 5.9 seconds</li> <li>Warm-up time: 20 seconds</li> <li>Continuous copy: 1 – 250</li> <li>Original/copy size: Max. A</li> <li>Memory Capacity: 32 MB</li> </ul>	s or less ls or less copies A3 Standard			
	<ul> <li>1st copy time: 5.9 seconds</li> <li>Warm-up time: 20 seconds</li> <li>Continuous copy: 1 - 250</li> <li>Original/copy size: Max. A</li> <li>Memory Capacity: 32 MB</li> <li>Zoom Range: 25% - 400%</li> </ul>	s or less ls or less copies A3 Standard in 1% steps			
	<ul> <li>1st copy time: 5.9 seconds</li> <li>Warm-up time: 20 seconds</li> <li>Continuous copy: 1 – 250</li> <li>Original/copy size: Max. A</li> <li>Memory Capacity: 32 MB</li> <li>Zoom Range: 25% - 400%</li> <li>Paper Feeding Standard:</li> </ul>	s or less ls or less copies A3 Standard in 1% steps 1 x 30th0 sheets universal feeder +			
	<ul> <li>1st copy time: 5.9 seconds</li> <li>Warm-up time: 20 seconds</li> <li>Continuous copy: 1 - 250</li> <li>Original/copy size: Max. A</li> <li>Memory Capacity: 32 MB</li> <li>Zoom Range: 25% - 400%</li> <li>Paper Feeding Standard: 50-sheets Multi-purpose/ by</li> </ul>	s or less ls or less copies A3 Standard in 1% steps 1 x 30th0 sheets universal feeder + pass tray.			
	<ul> <li>1st copy time: 5.9 seconds</li> <li>Warm-up time: 20 seconds</li> <li>Continuous copy: 1 - 250</li> <li>Original/copy size: Max. A</li> <li>Memory Capacity: 32 MB</li> <li>Zoom Range: 25% - 400%</li> <li>Paper Feeding Standard: 50-sheets Multi-purpose/ by</li> <li>Paper capacity: 350 sheets</li> </ul>	s or less ls or less copies A3 Standard in 1% steps 1 x 30th0 sheets universal feeder + pass tray. standard, Max. 1,250 sheets			
	<ul> <li>1st copy time: 5.9 seconds</li> <li>Warm-up time: 20 seconds</li> <li>Continuous copy: 1 - 250</li> <li>Original/copy size: Max. A</li> <li>Memory Capacity: 32 MB</li> <li>Zoom Range: 25% - 400%</li> <li>Paper Feeding Standard: 50-sheets Multi-purpose/ by</li> <li>Paper capacity: 350 sheets</li> <li>Digital Copy Features: Sca</li> </ul>	s or less ls or less copies A3 Standard in 1% steps 1 x 30th0 sheets universal feeder + pass tray. s standard, Max. 1,250 sheets un-once-print-many, Electronic			
	<ul> <li>1st copy time: 5.9 seconds</li> <li>Warm-up time: 20 seconds</li> <li>Continuous copy: 1 - 250</li> <li>Original/copy size: Max. A</li> <li>Memory Capacity: 32 MB</li> <li>Zoom Range: 25% - 400%</li> <li>Paper Feeding Standard: 50-sheets Multi-purpose/ by</li> <li>Paper capacity: 350 sheets</li> <li>Digital Copy Features: Scasorting, Automatic paper sel</li> </ul>	s or less ls or less copies A3 Standard in 1% steps 1 x 30th0 sheets universal feeder + pass tray. standard, Max. 1,250 sheets un-once-print-many, Electronic lection, Combined inch/metric			
	<ul> <li>1st copy time: 5.9 seconds</li> <li>Warm-up time: 20 seconds</li> <li>Continuous copy: 1 - 250</li> <li>Original/copy size: Max. A</li> <li>Memory Capacity: 32 MB</li> <li>Zoom Range: 25% - 400%</li> <li>Paper Feeding Standard: 50-sheets Multi-purpose/ by</li> <li>Paper capacity: 350 sheets</li> <li>Digital Copy Features: Scasorting, Automatic paper sel</li> </ul>	s or less ls or less copies A3 Standard in 1% steps 1 x 30th0 sheets universal feeder + pass tray. s standard, Max. 1,250 sheets un-once-print-many, Electronic lection, Combined inch/metric 2-in-I, 4-in-1, Economy copy Mode.			

	<ul> <li>Toner life: Minimum 8000 copies</li> <li>Warranty: 3 years parts</li> </ul>			
-	• Drum warranty: 3 years or 150,000 copies (which ever is earlier)			
	Automatic Document feeder: Supplied as standard with machine			
	Trolley: Steel made supplied as standard with machine Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) Country of Origin: China, Malaysia, Taiwan or Equivalent			
6.	LASER PRINTERS - BLACK & WHITE - BRANDED	100	Unit	
	<ul> <li>Up to 35 ppm,</li> <li>Print resolution Up to 1200 by 1200 dpi</li> <li>HP FastRes 1200; HP ProRes 1200; Resolution Enhancement technology (REt)</li> <li>Processor 600 MHz</li> <li>Memory 64 MB (expandable up to 320 MB via 1 open 144-pin DIMM slot)</li> <li>Durability ratings Recommended monthly volume: 750 to 3,000 pages;</li> <li>Duty cycle: 50,000 pages</li> <li>Input 50-sheet multipurpose tray 1, 250-sheet tray 2; Optional 500-sheet tray</li> <li>Output 150-sheet output bin</li> <li>With the feature of having reverse printing</li> </ul>			
	Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) Country of Origin: China, Malaysia, Taiwan or Equivalent		. :	:
7.	LASER PRINTER - COLOUR - BRANDED	01	Unit	
	<ul> <li>Speeds up to 30 pages or higher per minute</li> <li>First page out in 10sec or less</li> <li>Up to 600 x 600 x 2 dpi (1200 DPI effective output)</li> <li>Min 16MB memory or higher</li> <li>Duty cycle of 25,000 pages or higher</li> <li>USB &amp; Parallel port connectivity</li> </ul>			
	Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) Country of Origin: China, Malaysia, Taiwan or Equivalent			
8.	DOT MATRIX PRINTER – BRANDED	15	Units	
	TECHNOLOGY			
	Printing Method Impact Dot matrix Number of Pins 24 Pins Number of columns 80 columns Needles 24 Needles			
			<u> </u>	

	PRINT				
	Printing Speed	High Speed –Draft: 10 cpi :300 Chars/s, LQ: 10 cpi: 75 chars/s, Draft: 10cpi: 225 char/s		:	ve en
	Carbon Copies	3 plus one original			
	CONNECTIVITY				
	Interfaces	Parallel, USB 2.0 Type B		ļ	:
	PAPER/MEDIA HAND	LING	ļ		
	Document Feed  Paper Format Continuous	Single sheet rear, Continuous paper rear, Paper Output rear, Optional Automatic Document Feed (CSP): 50 Sheet Paper ( Single-and multi-Layer),			
	(Single-and	Paper (single-and multi-layer), Labels  Multi-layer),			
	GENERAL	Roll Paper, Envelopes			
	Compatible Operating	Windows 2000, Windows 7, Windows 8, Windows 98,	:		
	Systems Memory Ribbon Yield	Windows XP 64 KB 2000000 characters Black LQ			
į	and Ma	Installation, Testing, Commissioning intenance (during maintenance period) na, Malaysia, Taiwan or Equivalent			
9.	LCD SCREEN 32" FOR TI	HEATRES BRANDED	18	Units	
	• Full HD 1080p				
	and Ma Country of Origin: Chi	Installation, Testing, Commissioning intenance (during maintenance period) na, Malaysia, Taiwan or Equivalent			
10.	LCD SCREEN 40" FOR :L	OBBIES & WAITING AREA – BRANDED	15	Units	
	and Ma	Installation, Testing, Commissioning aintenance (during maintenance period)		;	
	<u> </u>	na, Malaysia, Taiwan or Equivalent			
11.	UPS 600 WATTS - BRA	<u>NDED</u>	300	Units	
	<ul> <li>For Personal Comput</li> <li>Built-in Stabilizer</li> <li>Self Diagnostics</li> <li>Sine-wave PWM Outp</li> <li>Low-Battery Indication</li> </ul>				
	- Low-Dattery Indication				

	Advanced High Performance Architecture		
•	Charging / Battery warning		
•	Continuous-rated Design		
•	Overload / Over-discharge Trip Indication		
•	Cold-Start Capability		
•	Audible Indication on Change-over		
•	Extended Back-Up Time*		
•	Charging / Charged Indication		
•	Heavy-Duty Boost Charger		
•	Dry Maintenance free Battery		
•	Quad-mode Charging		
•	Reverse Battery Protection		
•	Phase Locking		•
•	No-Load Shut-Down Mode		
•	Sleep Mode		
•	Easy Battery Replacement		
•	Improved Voltage Regulation		
•	Current Limit	Į	
•	UP Silone Monitoring & Shutdown Software*		
•	Overload Protection		
•	Mains Protection		
•	Mains Filtering		
•	Battery over Voltage Protection		
-	Faulty-mains Protection		
•	Over-discharge Battery Protection		
	omplete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) Country of Origin: China, Malaysia, Taiwan or Equivalent		

SIGNATURE	CONTRACTOR NAME	DATE & SEAL

## **BIDDING DOCUMENTS**

# CIVIL HOSPITAL KARACHI HEALTH DEPARTMENT GOVERNMENT OF SINDH

Contract NO:- PD-Trauma Centre-CHK/019 (Rev) 2013-14

<u>Tender Documents for</u>
<u>Supplying, Installation, Testing, Commissioning & Maintenance (during maintenance period) of</u>

I.T. Equipments

"Shaheed Mohtarma Benazair Bhutto Accident,
Emergency & Trauma Centre and Ancillary Services
Complex at Civil Hospital Karachi"

**VOLUME-II** 

FINANCIAL BID DOCUMENTS

## **SUMMARY OF CONTENTS**

S.NO	I. TITLE	PAGE
1.	TITLE	1
2.	SUMMARY OF CONTENTS	2
3.	FORM OF BID	3 TO 4
4.	BILL OF QUANTITY	5 TO 11

## **FORM OF BID**

The Project Director, Shaheed Mohatarma Benazair Bhutto, Accident, Emergency & Trauma Centre, And Ancillary Services Complex At, Civil Hospital Karachi.

Sub: Supplying, Installation, Testing, Commissioning and Maintenance (during maintenance period) of I.T. Equipments for the project Shaheed Mohatarma Benazir Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi, (Contract No. PD-Trauma Centre-CHK/019 (Rev) 2013-14).

#### Dear Sir,

1. Having examined the Tender Documents and the site conditions for the above mentioned Project, we, the undersigned offer to Supply, Installation, Testing, Commissioning and maintenance (during maintenance period) of the whole of the said works in conformity with the said tender Documents (and Addendum if any) for the sum of undermentioned amount on DDP basis:-

Bid Price (In Figure):	
Bid Price (In Words):	

- 2. The above total sum is based on the quantities shown in the Bill of Quantities and other works as mentioned in Salient Features.
- 3. We undertake, if our tender is accepted, to sign an agreement within 15 calendar days following receipt of letter of award in the form laid out in annexure to this Tender with such alterations and additions thereto as may be required to adopt, such Agreement to circumstances of this Tender.
- 4. We undertake, if our Tender is accepted, to mobilize on site within 7 calendar days of receipt of the letter of award and commence the works on the first works comprised in the contract within the time of completion specified in the Salient Features.
- 5. We agree to abide by the Tender for a period of 90 calendar days from the date of opening of tender and shall remain binding upon us and may be accepted at any time before the expiration of that period.

Unless and until a formal Agreement is your written acceptance thereof and Tender shall constitute a binding Contr	other	relev	ant corres	spondenc	ce subsequent t	o the
. We understand that you are not bour receive, and that your will not reimbu submitting the Tender or otherwise in	nd to rse ar conne	acce y exp ction	pt the lovenses incoming the second the seco	fender.	us in preparii	5 una
As a guarantee for the performance of we submit herewith Earnest Money/B an amount Rs. (Rugin form of Pay Order issued by the B.)	id Sec	curity	eduivaiei	11 to 2/0	or the quotes v	, CD 1 111
made in your favor and made payable calendar days from the date of submiss	to you	a witt f Ten	der.	eleteticc	to as and varia	101 7 0
9. The Tender Documents referred to about the documents listed hereunder:	ove co	nstitu	ite a part (	of this Te	ender and comp	rise o
<ul> <li>a. Instructions to bidders.</li> <li>b. Salient Features / Terms &amp; Condit Questionnaire / Proforma – Evaluate.</li> <li>c. Form of Agreement.</li> <li>d. Scope of work / Bill of Quantities.</li> <li>e. The Addendum (if any).</li> <li>f. The Drawings (if any).</li> </ul>	tion (	Criter cifica	ia tion (Tech			
Dated this	day	of			20_	
Signature	_ in	the	capacity	of		_ dul
authorized to sign bids for and on behalf	of_					
			(Name	of Bidde	er in Block Cap Seal)	itals)
Address						
Witness:						
(Signature)						
(Name)						
Address:						
Occupation						
-						

6. Unless and until a formal Agreement is prepared and executed, this Tender together with

## BILL OF QUANTITY

Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period) of I.T. Equipment at Shaheed Mohatarma Benazair Bhutto, Accident, Emergency & Trauma Centre and Ancillary Services Complex at Civil Hospital Karachi

:	Specification	Qty	Unit	Unit Price	Total Amount
No		(3)	(4)	(5)	(6)
1)	(2)				<u>,</u>
<u> </u>	ONG LICENCED)	200	Units		
1.	PERSONAL COMPUTERS (WITH WINDOWS LICENSED) -			į	
١.	BRANDED				
	December or higher and equivalent		•		
	Intel based Core is 3220 (3.30 GHz) Processor or higher and equivalent				
	Intel hased O75 Chipset or nighter and equivalent		1		
	• 4GB (2 x 2GB)DDRIII RAM				
	• 500GB SATA Hard Drive				1
	4 or higher SATA Port Controller			1	
	DVD-RW Drive – Optional				
	1 x 1000 Express Gigabit NIC				
	Integrated Graphics capability		1		· I
	18.5" LCD     upto2 or higher Expansion Slots (mix of PCI Slot and PCI-Express Slots)     upto2 or higher Expansion Slots (mix of PCI Slot and PCI-Express Slots)				
	• upto2 or higher Expansion Siois (IIIX of 1 of siot and 1)		:		
1	<ul> <li>upto2 or higher Expansion State (Windows 7, Redhat &amp; Ubuntu DT OS)</li> <li>Support for Windows 7, Redhat &amp; Ubuntu DT OS</li> <li>At least 365 Watts Non-Hot Plug Power Supply (Higher watts would be a</li> </ul>				
		1	1		1
1	plus)				
•	Standard Keyboard & Mouse     Standard Keyboard & Mouse     Standard Warranty		1		
	3 Years Manufacturer Limited Warranty				
-	Windows 7 with key and media     Windows 7 with key and media				
	Antivirus with Host Intrusion Prevention     Antivirus with Host Intrusion Prevention     Testing, Commissioning and	ıl	1	1	
	Testallation, 18811124 Commission				
	Maintenance (during maintenance period)				
•	Country of Origin: China, Malaysia, Taiwan or Equivalent				
		10	)0 Un	its	
2.	THIN CLIENT OPERATING SYSTEM - BRANDED				
	Genuine Windows® Embedded Standard 7E (WES 7E) (32-bit)		1	1	
1	Genuine Windows Embedded Santania     Genuine Windows Embedded Santania	1		ļ	
ļ	PROCESSOR / CHIPSET				
l	<ul> <li>Standard Chassis</li> <li>AMD Dual-Core GX-217GA 64-bit SOC (1.65 GHz, 1 MB L2 cache) with</li> </ul>		1	\	ì
	• AMD Dual-Core GX-217GA 64-bit SOC (1.65 Graphics				1
	AMD Dual-Core GX-217GA 64-51 SG (AMD Radeon HD 8280E (450MHz GPU) Graphics		1		
	• MEMORY			1	1
	Flash (boot drive) SSD16 GB			1	1
	A Company A GB	1			
	- received for graphics (infilinging to the second to the		\		
	Maximum system memory (memory speed is 1000)				
1	DDR3L 1600 MHz (4 GB x 1)				
1	Memory slots		1		
l l	• STORAGE				5

- Primary Boot drive 16 GB MLC mSATA SSD (32 GB and 64 GB also available)
- Secondary drive options 16, 32, and 64 GB MLC M.21 SSD2 SODIMMs
- INPUT/OUTPUT (peripheral support)
- Keyboard USB or PS/2 (varies by region)
- Mouse USB or PS/2 (varies by region)
- Could be connected to printer Local and/or network printers (RDP, ICA,
- Video AMD Radeon HD 8280E graphics available on dual-core 1.65 GHz processor only. AMD Radeon HD
- 8330E graphics available on quad-core 1.5 GHz processor only.

#### NETWORKING

#### Hardware networking

- 10/100/1000 Gigabit Ethernet (RJ-45)
- Wake on LAN (WOL)
- PXE
- TCP/IP with DNS and DHCP

### I/O PORTS, SLOTS & CONNECTORS

#### HP t620 (standard chassis)

- 4 USB 2.0 ports (two in front, two in rear)
- 2 USB 3.0 ports (in front)
- 2 USB 2.0 ports (hidden inside lockable chassis)
- 2 Display Port 1.2 (rear)
- 2 PS/2 (1, KB, 1 mouse)(rear)
- 1 serial (rear) or 1 VGA (rear, option) or 1 Fiber SC (rear, option provided with Fiber NIC option)
- 1 RJ-45(rear)
- 1 Headphone (front)
- 1 Microphone (front)
- 1 Audio line in (rear)
- 1 Audio line out (rear)

#### AUDIO/VIDEO

Output	<ul> <li>Internal amplified speaker</li> <li>1/8-inch stereo mini jack (headphones, on front panel)</li> <li>1/8-inch stereo mini jack (line out, on rear panel)</li> <li>Internal amplified speaker</li> <li>Full 24-bit stereo</li> <li>up to 192-kHz sample rate</li> </ul>
Input	<ul> <li>up to 192-kHz sample state</li> <li>1/8-inch mini jack microphone (on front panel)</li> <li>1/8-inch stereo mini jack (line in, on rear panel)</li> <li>24-bit stereo,</li> <li>up to 192 kHz sample rate</li> </ul>

	<del>,                                      </del>			
Audio CODECS with hardware acceleration support  MP3 AAC stereo & HE AAC WMA stereo				
• 18.5" LCD  Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)	d			
Country of Origin: China, Malaysia, Taiwan or Equivalent	_			
ELATRED SCANNER - BRANDED	10	Units		
4800 x 9600 dpi for exceptional scans of photos, slides, negatives, documents Superior color accuracy, photo reproduction with six-color, 96-bit scanning Automatic red-eye removal and detail enhancement Duty cycle of up to 2,000 pages a day  Installation. Testing, Commissioning and	nd			
Maintenance (during maintenance period)				
Country of Origin: China, Malaysia, Taiwan or Equivalent	_	<del> </del>	<del>                                     </del>	
4. FAX MACHINE - BRANDED	02	Units		
Device Type     Fax/Copier/Printer/Scanner				
Copier Type     Digital		l		
• Fax Type Plain paper  Painting Technology Laser-Monochrome				
• Printing recimeres				
Monthly Duty Cycle (max) 8000 impression     2.0x16.0 characters			1	
l 🌢 Distilav		ļ		
PC Connection Availability Yes     USB 2.0	į			
• PC Connection USB 2.0				
MEMORY				
Standard Memory 32.0 MB 32.0 MB				
Max Supported Memory 32.0MB 32.0 MB		l		
Coning				
May Copying Speed up to 600 x 600 dpi				
Max Document Enlargement 400.0%	Ì			
Now Documents Reduction 25.0%				
Max Printing Resolution up to 1200 x 1200 dpi				
Max Printing Speed up to 18.0 ppin				
Image Enhancement HP Fast Res 1200		1		
Technology Scanning				
Optical Resolution     Optical Resolution     19200 x 19200 dpi				
• Interpolated Resolution				
• Color Depth 24.0 bit				
FAX MACHNIE  May Transmission Speed 33.6 kbps				
Max Tallsillission Sport				
• Fax Resolution				
Total Memory Capacity 500 Pages				7

	Fax Printing Resolution	300 x 300 dpi					1
- -	TT deat	Corded Handset					Í
•	PC Faxing	Yes					i
	FAX MACHINE FEATURES:	<u>:</u>					į .
	T4	Automatic redialing					•
	Fax forwarding		,				<b>i</b> '
:	Documents & Media Handli	mg	,				
-	Max Original Size	A4 (8.25 in 11.7 in)		1		1	
1.	Original Type	Sheets				!	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Document Feeder Capacity	30 Sheets				!	1
1.	<ul> <li>Min Media Size</li> </ul>	3 in 5 in					
	Max Media Size	Legal (8.5 in x 14 in )	1				
	Supported Media Type     Envelopes	Cards, Transparencies, Labels, Plain Paper,					
	Standard Media Capacity	280 Sheets	1	,			
	Bypass Feeder Capacity	10 Sheets	1				
[ ]	Output Trays Capacity	100 Sheets		1		Į.	
	• Interface	USB 2.0	1	1	]	1	
	Compatible Operating	Windows 2000, Windows 7, Windows 8,				1	
]	Windows 98,				, <b>)</b>	1	
.' \	Systems	Windows XP  Installation Testing, Commissioning and	a Ì		, , , , , , , , , , , , , , , , , , ,	1	
	L. T.L. Cunnly	Installation. Testing, Commissioners			ί '		
	Maintena	nnce (during maintenance period)			<b></b>	<del> </del>	$\dashv$
	Country of Origin: Unina, M.	Malaysia, Taiwan or Equivalent	13	Units			
5.	PHOTOCOPIERS - BRANI	)EU		1			
	• Technology: Laser, Mor	no/single component (Less Developer)					
	• Type: Desktop Copier / P	rinter					
	Conv Speed: 20 Co	opies Per Minute					
.   •	• Resolution: 600 x 600 dp	1, 256 grayscare					
	• 1st copy time: 5.9 secon	onds or less					
.	• Warm-up time: 20 seco	Mas Or ress 150 conies					
	• Continuous copy: 1-2	,50 copies					
!	<ul><li>Original/copy size: Ma</li><li>Memory Capacity: 32 l</li></ul>	MR Standard		1			
,		IND/ in 10/2 etens			l		
	• Zoom Range: 2576-40	d: 1 x 30th0 sheets universal feeder + 50-sheets					
	a r til mann and hungee fr	av					
	1 250 ab	AATA CTANAATA IVINX. 1.430 SIIVVV		ļ		ļ	
			de				
	Automatic naper selection	on, Combined inclimited to copy 85					
	2 June 1 4-in-1. Economy	copy Mode.	ļ				
	• Drum life : Minimum	19000 copies					
	• Toner life : Minimum 8	<del>4</del>					
	• Warranty: 3 years part	ore or 15H HIII conies (winding over 15 december)					
ı		feeder Sipplied as standard with many					
	• Automatic Document						
		Improliminis I Course VVIII	and				1
	Mainte	enance (during maintenance period)					]
	Country of Origin: Ching	a, Malaysia, Taiwan or Equivalent	1				
L						-	

LAS	SED PRINTERS - BLA	CK & WHITE - BRANDED	100	Unit			
-   -		OR ST.		, 1			
l	Up to 35 ppm, Print resolution Up to 120	00 by 1200 dpi		. \			
• • •	TID EastRes 1200: HP Pro	oRes 1200; Resolution Enhancement technology		[			
	(REt)	1			1		
l l		and a specific Longo 1/44-pin DIMM slot)					
	44.5 FD (	dable up to 320 MB via 1 open 144-pin DIMM slot)					
		nmended monthly volume: 750 to 3,000 pages;					
•	Duty cycle: 50,000 pages	oose tray 1, 250-sheet tray 2; Optional 500-sheet tray					
	Output 150-sheet multiput of Output	bin					
	With the feature of havin	ng reverse printing					
	Cler	Installation. Testing, Commissioning and	1				
L	Mainta	nance (during maintenance periou)					
Co	auntry of Origin: China,	, Malaysia, Taiwan or Equivalent		\ <u></u> -	<u> </u>		-
= + +	ASER PRINTER - COL	OUR - BRANDED	01	Unit			
7.   <u>LA</u>							
•	Speeds up to 30 pages o	r nigner per minute					
•	First page out in 10sec of	i (1200 DPI effective output)					
•	Up to 600 x 600 x 2 up	higher					
•	Min 16MB memory or 1 Duty cycle of 25,000 pa	ares or higher					
•	Duty cycle of 23,000 pc	agos of man-	Ì				
	TION & Descript notifical	MINERALLY IN THE SECOND			1		
•			ıd				
C	Complete Job: Supply	y, Installation, Testing, Commissioning an	ıd				
C	Complete Job: Supply	y, Installation, Testing, Commissioning an		- NI.			
C	Complete Job: Supply Mainto Country of Origin: China	y, Installation, Testing, Commissioning an tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent	15	5 Unit	s		<del></del>
8. <u>D</u>	Complete Job: Supply Mainto Country of Origin: China DOT MATRIX PRINTE	y, Installation, Testing, Commissioning an tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent		5 Unit	S		<u> </u>
8. <u>D</u>	Complete Job: Supply Mainto Country of Origin: China DOT MATRIX PRINTE FECHNOLOGY	y, Installation, Testing, Commissioning an tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent <u>R – BRANDED</u>		5 Unit	S		
8. <u>D</u>	Complete Job: Supply Mainto Country of Origin: China DOT MATRIX PRINTE FECHNOLOGY Printing Method	y, Installation, Testing, Commissioning and tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent IR - BRANDED  Impact Dot matrix 24 Pins		5 Unit	S		
8. <u>D</u> P	Complete Job: Supply Mainto Country of Origin: China DOT MATRIX PRINTE TECHNOLOGY Printing Method Number of Pins	y, Installation, Testing, Commissioning and tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent  Impact Dot matrix 24 Pins 80 columns		5 Unit	S		
8. <u>D</u> • T	Complete Job: Supply Mainto Country of Origin: China DOT MATRIX PRINTE FECHNOLOGY Printing Method	y, Installation, Testing, Commissioning and tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent IR - BRANDED  Impact Dot matrix 24 Pins		5 Unit	S		
8. <u>D</u> • T • P • N	Complete Job: Supply Mainto Country of Origin: China DOT MATRIX PRINTE FECHNOLOGY Printing Method Number of Pins Number of columns	y, Installation, Testing, Commissioning and tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent  IR - BRANDED  Impact Dot matrix 24 Pins 80 columns 24 Needles		5 Unit	S		
8. <u>D</u> . T . N	Complete Job: Supply Mainto Country of Origin: China DOT MATRIX PRINTE FECHNOLOGY Printing Method Number of Pins Number of columns Needles PRINT	y, Installation, Testing, Commissioning and tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent  IR - BRANDED  Impact Dot matrix 24 Pins 80 columns 24 Needles  Link Speed Draft: 10 cpi :300 Chars/s,		5 Unit	S		
8. <u>D</u> . T . N	Complete Job: Supply Mainto Country of Origin: China DOT MATRIX PRINTE FECHNOLOGY Printing Method Number of Pins Number of columns Needles	y, Installation, Testing, Commissioning and tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent  ER - BRANDED  Impact Dot matrix 24 Pins 80 columns 24 Needles  High Speed -Draft: 10 cpi :300 Chars/s, LQ: 10 cpi: 75 chars/s, Draft: 10cpi: 225		5 Unit	S		
8. <u>D</u> . T . N	Complete Job: Supply Mainto Country of Origin: China DOT MATRIX PRINTE FECHNOLOGY Printing Method Number of Pins Number of columns Needles PRINT	y, Installation, Testing, Commissioning and tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent  IR - BRANDED  Impact Dot matrix 24 Pins 80 columns 24 Needles  Link Speed Draft: 10 cpi :300 Chars/s,		5 Unit	S		
8. <u>D</u> P N I	Complete Job: Supply Mainto Country of Origin: China DOT MATRIX PRINTE FECHNOLOGY Printing Method Number of Pins Number of columns Needles PRINT Printing Speed	y, Installation, Testing, Commissioning and tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent  ER - BRANDED  Impact Dot matrix 24 Pins 80 columns 24 Needles  High Speed -Draft: 10 cpi :300 Chars/s, LQ: 10 cpi: 75 chars/s, Draft: 10cpi: 225		5 Unit	S		
8. <u>D</u> P N N 1	Complete Job: Supply Mainto Country of Origin: China DOT MATRIX PRINTE FECHNOLOGY Printing Method Number of Pins Number of columns Needles PRINT Printing Speed Carbon Copies	y, Installation, Testing, Commissioning and tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent  Impact Dot matrix 24 Pins 80 columns 24 Needles  High Speed -Draft: 10 cpi :300 Chars/s, LQ: 10 cpi: 75 chars/s, Draft: 10cpi: 225 char/s		5 Unit	S		
8. <u>D</u> P N I	Complete Job: Supply Mainto Country of Origin: China DOT MATRIX PRINTE FECHNOLOGY Printing Method Number of Pins Number of columns Needles PRINT Printing Speed	y, Installation, Testing, Commissioning and tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent  Impact Dot matrix 24 Pins 80 columns 24 Needles  High Speed -Draft: 10 cpi :300 Chars/s, LQ: 10 cpi: 75 chars/s, Draft: 10cpi: 225 char/s		5 Unit	S		
8. <u>D</u> P N N I	Complete Job: Supply Mainton Country of Origin: China DOT MATRIX PRINTE TECHNOLOGY Printing Method Number of Pins Number of columns Needles PRINT Printing Speed  Carbon Copies CONNECTIVITY Interfaces	y, Installation, Testing, Commissioning and tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent  Impact Dot matrix 24 Pins 80 columns 24 Needles  High Speed -Draft: 10 cpi :300 Chars/s, LQ: 10 cpi: 75 chars/s, Draft: 10cpi: 225 char/s 3 plus one original  Parallel, USB 2.0 Type B  DLING		5 Unit	S		
8. <u>D</u> P N N I	Complete Job: Supply Mainton Country of Origin: China DOT MATRIX PRINTED TECHNOLOGY Printing Method Number of Pins Number of columns Needles PRINT Printing Speed  Carbon Copies CONNECTIVITY Interfaces PAPER/MEDIA HANI	y, Installation, Testing, Commissioning and tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent  Impact Dot matrix 24 Pins 80 columns 24 Needles  High Speed -Draft: 10 cpi :300 Chars/s, LQ: 10 cpi: 75 chars/s, Draft: 10cpi: 225 char/s 3 plus one original  Parallel, USB 2.0 Type B  DLING  Single sheet rear, Continuous paper rear,		5 Unit	S		
8. <u>D</u> P N N I	Complete Job: Supply Mainton Country of Origin: China DOT MATRIX PRINTE TECHNOLOGY Printing Method Number of Pins Number of columns Needles PRINT Printing Speed  Carbon Copies CONNECTIVITY Interfaces	y, Installation, Testing, Commissioning and tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent  Impact Dot matrix 24 Pins 80 columns 24 Needles  High Speed -Draft: 10 cpi :300 Chars/s, LQ: 10 cpi: 75 chars/s, Draft: 10cpi: 225 char/s 3 plus one original  Parallel, USB 2.0 Type B  DLING  Single sheet rear, Continuous paper rear, Paper Output rear, Optional Automatic		5 Unit	S		
8. <u>D</u> P N N I	Complete Job: Supply Mainton Country of Origin: China DOT MATRIX PRINTE TECHNOLOGY Printing Method Number of Pins Number of columns Needles PRINT Printing Speed  Carbon Copies CONNECTIVITY Interfaces PAPER/MEDIA HANI Document Feed	y, Installation, Testing, Commissioning and tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent  Impact Dot matrix 24 Pins 80 columns 24 Needles  High Speed -Draft: 10 cpi :300 Chars/s, LQ: 10 cpi: 75 chars/s, Draft: 10cpi: 225 char/s 3 plus one original  Parallel, USB 2.0 Type B  DLING  Single sheet rear, Continuous paper rear, Paper Output rear, Optional Automatic	1:	5 Unit	S		
8. <u>D</u> P N N I	Complete Job: Supply Mainton Country of Origin: China DOT MATRIX PRINTED TECHNOLOGY Printing Method Number of Pins Number of columns Needles PRINT Printing Speed  Carbon Copies CONNECTIVITY Interfaces PAPER/MEDIA HANI	y, Installation, Testing, Commissioning and tenance (during maintenance period) a, Malaysia, Taiwan or Equivalent  Impact Dot matrix 24 Pins 80 columns 24 Needles  High Speed -Draft: 10 cpi :300 Chars/s, LQ: 10 cpi: 75 chars/s, Draft: 10cpi: 225 char/s 3 plus one original  Parallel, USB 2.0 Type B  DLING  Single sheet rear, Continuous paper rear, Paper Output rear, Optional Automatic	1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	5 Unit	S		

	GENERAL				
•	Compatible Operating Windows 2000, Windows 7, Windows 8, Windows 98,				
-	Systems Windows XP				
	Memory 64 KB  Ribbon Vield 2000000 characters Black LQ				
.   1	Commissioning and	}			
,	Complete Job: Supply, Installation, Testing, Community of Maintenance (during maintenance period)				
	Country of Origin: China, Malaysia, Taiwan or Equivalent	18	Units		
9.	LCD SCREEN 32" FOR THEATRES - BRANDED	10			
	• Full HD 1080p				
	Guardete John Supply, Installation, Testing, Commissioning and		}		İ
	Maintenance (during maintenance period)	1			İ
	Country of Origin: China, Malaysia, Taiwan or Equivalent		<u> </u>		
- <del></del>	LCD SCREEN 40" FOR LOBBIES & WAITING AREA - BRANDED	15	Units		
10.					
ļ	• Full HD 1080p				
1	Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)				
	Maintenance (during maintenance portos)  Country of Origin: China, Malaysia, Taiwan or Equivalent				
		300	Units		
11.	UPS 600 WATTS - BRANDED				ļ
	For Personal Computers and Thin Client Operating Systems	i			
	Built-in Stabilizer				
ļ	Self Diagnostics	ļ	ļ		
1	Sine-wave PWM Output				
_	Low-Battery Indication				
•	Advanced High Performance Architecture				
	Charging / Battery warning				
-	Continuous-rated Design  This Indication	į	ļ		
	Overload / Over-discharge Trip Indication				
ļ	Cold-Start Capability     Change over				
	Audible Indication on Change-over     Audible Indication on Change-over	İ		!	
	<ul> <li>Extended Back-Up Time*</li> <li>Charging / Charged Indication</li> </ul>	1	Ì		
ļ	II Dut Boost Charger				
	D. Maintananae free Battery				
	Quad-mode Charging				
	Dottom: Protection		İ		
	pt . Leaking				
	at I and Short Doyun Mode	}	ļ		
	Oliver Mada		l		
	Sleep Mode     Easy Battery Replacement				
	Improved Voltage Regulation	ı			
•	• Current Limit				
	UP Silone Monitoring & Shutdown Software*				
	• CI Glione Manager 8		1	1 !	

	Mains Protection				
	Mains Filtering				
	Battery over Voltage Protection			l	
•	Faulty-mains Protection				
	Over-discharge Battery Protection		:		
:	Complete Job: Supply, Installation, Testing, Commissioning and Maintenance (during maintenance period)		<u> </u> 		
•	Country of Origin: China, Malaysia, Taiwan or Equivalent				

**GRAND TOTAL** 

rand Total in Pak. Rupees, on I	ODP / C&F basis	
SIGNATURE	CONTRACTOR NAME	DATE & SEAL