



APPLIED ECONOMICS RESEARCH CENTRE
University of Karachi



Prof. Dr. Muhammad Qasier
Vice Chancellor/Chairman BOG
Applied Economics Research Centre (AERC)
University of Karachi
Karachi.

November 07, 2016

Subject: Re-Structuring of the Building Premises

Dear Sir,

It is to bring into your kind notice that as AERC is going under the phase of re-structuring of the building premises, so in this regard Academic Committee, Budget Committee and Tender Committee have already approved the following items for tendering process, details of which is given below:

Items	Quantity	Amount (Rs.)
Air Conditions	Floor Standing	PKR 840,000
	Split AC (12 Units)	PKR 960,000
Center Chairs	146 Units	PKR 600,000
Library furniture/chairs	9 Units	PKR 680,000
Book Shelves	4 Units	PKR 600,000
Branded Computer system (with LCD/LED)	52 Units	PKR 4,056,000
	Server 01	PKR 300,000
Branded Video Conferencing Equip.		PKR 850,700
Multimedia Projector	04 Units	PKR 400,000
Network Switch	02 Units	PKR 140,000
Network Printer	01 Unit	PKR 200,000
Sound System	Option-I	PKR 213,100
	Option-II	PKR 150,000
UPS	09 Units	PKR 142,000
Construction of Road		PKR 900,000
Wooden Flooring	Class Rooms	
	GSP Room	PKR 300,000
	Board Room	
CCTV Cameras	Entire Premises	PKR 1,400,000
WiFi	Indoor AP	PKR 325,500
	Wireless Controller	PKR 194,000
Grand Total ...		PKR 13,251,300

Therefore, kind approval is required in this regard before entering into tendering process as all the codal formalities have been fulfilled.

Your kind approval is solicited in this regard.

Yours sincerely,

Shahid

(Prof. Dr. Samina Khalil)
Director

Encl: As above.

Approved
Shahid
Vice-Chancellor/
Chairman, Board of Governors
Applied Economics Research Centre
University of Karachi

NO: AERC/IT/2016/17



APPLIED ECONOMICS RESEARCH CENTRE
(UNIVERSITY OF KARACHI)

Applied Economics Research Centre (AERC)
University of Karachi
P.O. Box 8403 – 75270
Karachi – Pakistan

92-21- 99261541 – 43, 92-21- 99261547 – 49

Fax: 92-21- 99261545

Email: aerc@aerc.edu.pk, aerc@cyber.net.pk

TENDER NO. AERC/IT/2016/17
TENDER DOCUMENT
FOR

Procurement of Desktop PCs, Servers, Scanners, Projector &
Network Printer.

Technical and financial Bid Invitation

1. Applied Economics Research Center (AERC), University of Karachi, is a research institute invites sealed Technical and Financial Bids from the authorized distributors/suppliers registered with Federal/Provincial Income Tax Departments and are on Active Tax Payer List of FBR Procurement of Desktop PCs, Servers, Scanners, Projector & Printers, which is required to be delivered to AERC at its building located at the Karachi University.

Bidders are advised to study the tender Document carefully. Submission of tender shall be deemed to have been done after careful study and examination of the tender document with full understanding of its implications. Bid response prepared in accordance with the procedures of this tender should be submitted to the Purchaser not later than the date and time laid down, at the address given in the tender.

2. All bids must be accompanied by an Earnest Money Deposit (EMD) 2% of the bid. EMD is to be submitted in form of Bank Guarantee from a Nationalized / Scheduled Bank in favour of "**Applied Economic Research Centre University of Karachi**" valid for at least 30 days from the date of opening of Technical Bid.
3. Tender document is available at AERC website <http://aerc.edu.pk>
4. Prospective bidders desirous of participating in this tender may get tender document from the office of given address. However **bidders need to submit Non-Refundable Tender Fee of Rs. 3000/- (Rupees Three Thousand only), through Cross Pay Order / Demand Draft of a Nationalized / Scheduled Bank in favor of "Applied Economic Research Centre University of Karachi" along with their Bids.**

Schedule of invitation

Name of Purchaser	Applied Economics Research Center, Karachi University
Contact and address	Manager Admin Applied Economics Research Centre (AERC) University of Karachi P.O. Box 8403 – 75270 Karachi – Pakistan.
Place of Pre Bid Conference, Bid Opening	AERC, Karachi University, Karachi.
Date till which the response to the tender should be valid	15 days from the date of opening of technical bid
Cost of tender document	Rs. 3000/-
Earnest Money Deposit	
Nature of bid process	Physical submission
Correspondence details for pre-bid queries and any other information	Email aerc@aerc.edu.pk, aerc@cyber.net.pk

Important dates are provided below.

Date of Publication	07/12/2016
Sale of tender document	08/12/2016
Last date for submission of original attachments of bid (Demand Drafts)	22/12/2016
Financial bid opening	03/01/2017
Technical bid opening	23/12/2016

Note: Bids received after due date and time shall be rejected straight away.

Bid Submission:

- Technical and Financial Bids, complete in all respect, must be submitted latest by **22.12.2016 at 1200 hours** alongwith the Bank Guarantee towards EMD in two separate sealed covers with superscripted **“AERC Tender For Procurement of IT Equipment”** on the Main Envelop. Letter specifying the draft details should be submitted physically.
- Earnest Money Deposit **2%** has to be submitted. The EMD is to be submitted through Bank Guarantee of any Scheduled /Nationalized Bank (drawn in favour of the **Applied Economic Research Centre University of Karachi**) physically before **1200 Hours on 22.12.2016** otherwise bids will be rejected.
- Clear deadlines should be mentioned for supply of each item in every Tender. Default without acceptable justification will subject to imposition of penalty which may include cancellation of Work Order, forfeiting the Call Deposit or any other penalty deemed appropriate by the Director AERC.
- All pages of the bid being submitted must be sequentially numbered by the bidder. AERC will not be responsible for any delay on the part of the bidder in obtaining the terms and conditions of the tender notice.
- The bids submitted by telegram/ fax/ E-mail / manually etc. shall not be considered. No correspondence will be entertained on this matter.
- In case, the day of bid submission is declared Holiday by Govt. of Pakistan, the next working day will be treated as day for submission of bids. There will be no change in the timings.
- The rates are to be quoted in strict compliance to the financial bid, and inclusive of all applied levies and taxes. No change in rates after opening will be allowed and the tender will be liable to be rejected straight away. Similarly, percentage (%) of taxes etc. if any, should not be mentioned and calculated amount may be added. Otherwise it will be presumed that rates are inclusive of all taxes and no

plea would be accepted in this regard after opening of the tenders and during the validity of the contract.

- The rates are to be quoted by the bidders in Pakistan Currency and payment shall be made to successful bidders in Pakistan currency only.
- Bids not obtaining minimum marks in technical evaluation would be rejected
- Purchaser at any time can ask for clarification on the information already received from the Bidders.
- A duly constituted Technical Evaluation Committee (TEC) will first select Bidders on the basis of eligibility criteria of this tender. The Bids conforming to the eligibility criterion will be considered for further evaluation.
- AERC has the option to ask the bidders to arrange sample of the offered items, in a short period notice; as such the bidders have to be ready for the same.
- In this part, the technical bid will be reviewed for determining the eligibility of the Bidder for the Project and to ascertain Compliance of the Technical bids with the Tender terms and conditions, technical requirements and scope of work as defined in this tender.
- For Technical Evaluation, Bidders have to ensure the availability of appropriate specialist from their organization for interacting with AERC and evaluation team.
- There will be NO NEGOTIATION regarding the financial bid.
- Lowest Quoting Bidder will be selected for signing of the contract.

Award of Contract:

- Prior to the expiration of the period of bid validity the Purchaser will notify the successful Bidder in writing that its bid has been accepted. The Bidder shall provide his acceptance within 3 days of such notification.
- The notification of award of Work Order will constitute the formation of the Contract.
- Upon the successful Bidder's furnishing of security deposit, the Purchaser may notify each unsuccessful Bidder and will discharge their EMD.

- Within 15 days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the security deposit of amount equivalent to 10% of the contract value in form of Bank Guarantee (BG) of any commercial bank drawn in the name of **Applied Economic Research Centre University of Karachi**.
- The successful Bidder shall sign the contract within 15 days of submission of SecurityDeposit.

Payment Schedule:

- Purchaser shall make payments to the Bidder at the times and in the manner set out in the Payment schedule.
- Purchaser will make all efforts to make payments to the Bidder within 30 days of receipt of invoice(s) and all necessary supporting documents.
- All payments agreed to be made by Purchaser to the Bidder in accordance with the Bid shall be inclusive of all statutory levies, duties, taxes and other charges whenever levied/applicable, if any, and Purchaser shall not be liable to pay any such levies/ other charges under or in relation to this Contract.
- No invoice for extra work/change order on account of change order will be submitted by the Bidder unless the said extra work /change order has been authorized/approved by the Purchaser in writing.
- In the event of Purchaser noticing at any time that any amount has been disbursed wrongly to the Bidder or any other amount is due from the Bidder to the Purchaser, the Purchaser may without prejudice to its rights recover such amounts by other means after notifying the Bidder or deduct such amount from any payment falling due to the Bidder. The details of such recovery, if any, will be intimated to the Bidder. The Bidder shall receive the payment of undisputed amount under subsequent invoice for any amount that has been omitted in previous invoice by mistake on the part of the Purchaser or the Bidder.

**Applied Economics Research Center (AERC), University of
Karachi**

**Procurement of Desktop PCs, Servers, Scanners,
Projector & Network Printer.
Tender ID: AERC/IT/16-17**

1. Applied Economics Research Center (AERC), University of Karachi, is a research institute invites sealed Technical and Financial Bids from the authorized distributors/suppliers etc. registered with Federal/Provincial Income Tax Departments and are on Active Tax Payer List of FBR Procurement of Desktop PCs, Servers, Scanners, Projector & Network Printer. Bidding documents containing detailed terms and conditions, method of procurement, procedure for submission of bids, bid security, bid validity, opening of bid, evaluation criteria, bill of quantity, product technical requirements, clarification/rejection of bids, performance guarantee etc. are available for the interested parties from the office of undersigned, which can be obtained through Company's Authority Letter along with copy of CNIC **08 December, 2016** during office hours on submitting a Pay Order/Demand Drawn of Rs:3000/- as Tender Documents Fee (Non-Refundable) in favour of the Director, AERC Karachi.
2. The financial and technical bids, prepared in accordance with the instructions in the bidding documents, must reach at the office of undersigned on or before **December 22, 2016 at 3:00 pm**. Technical Bids will be opened on **23 December, 2016** at 3:30 pm, publicly in the presence of Tender Opening Committee. AERC reserves the right to reject the tender without assigning any reason.
3. This advertisement is also available on AERC (<http://aerc.edu.pk>) and PPRA (www.ppra.org.pk) websites.

**Manager Admin
Applied Economics Research Centre (AERC)
University of Karachi,
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Server Machine	
Processor	Intel® Xeon® processor E5-2600 v4 product family
Operating System	Microsoft Windows Server 2012
Memory	64GB DDR4 up to 2400MT/s
Hard Disk	HDD: SAS, SATA, near-line SAS; SSD: SAS, SATA 29TB via 1.8TB hot-plug SAS hard drives
Chipset	Intel C610 series chipset
Drive Bays	Internal hard drive bay and hot-plug backplane: Up to 16 x 2.5" HDD: SAS, SATA, Near-line SAS SSD: SAS, SATA Up to 8 x 3.5" HDD: SAS, SATA, Near-line SAS SSD: SAS, SATA
Slots	Slot configuration Slot 1: Half Length, Half Height, PCIe Gen3 x8 (x16 connector) low profile bracket Slot 2: Half Length, Half Height, PCIe Gen3 x8 (x16 connector) low profile bracket Slot 3: Half Length, Half Height, PCIe Gen3 x8 (x16 connector) low profile bracket Slot 4: Full Length, Full Height, PCIe Gen3 x16 (x16 connector) Slot 5: Full Length, Full Height, PCIe Gen3 x8 (x16 connector) Slot 6: Full Length, Full Height, PCIe Gen3 x16 (x16 connector) Dedicated RAID card slot
RAID Controllers	Internal: PERC S130 , PERC H330 , PERC H730 , PERC H730P, External: PERC H830
Network Controller	4 x 1Gb, 2 x 1Gb + 2 x 10Gb, 4 x 10Gb
Chassis	Dimensions: H: 8.73 cm (3.44 in.) x W: 44.40 cm (17.49 in.) x D: 68.40 cm (26.92 in.)
Power	1100W AC, 86 mm (Platinum)
Warranty	1 Year Warranty Contract
No of Server Computers Needed	2

Multimedia Projector	
Power supply	AC 100–240 V, 50 Hz/60 Hz
Power consumption	100–240 V: 320 W
Lens	Manual zoom (1.6x) (throw ratio: 1.18–1.90:1), manual focus, F 1.60–1.90, f 15.31–26.24 mm
Installation	Ceiling/floor, front/rear
HDMI IN	HDMI 19-pin x 1 (compatible with HDCP, Deep Color), audio signal: linear PCM (sampling frequencies: 48 kHz, 44.1 kHz, 32 kHz)
COMPUTER 1 IN	D-sub HD 15-pin (female) x 1 (RGB/YPBPR/YCBCR)
COMPUTER 2 IN /MONITOR OUT	D-sub HD 15-pin (female) x 1 (RGB), (input/output selectable using on-screen menu)
VIDEO IN	Pin jack x 1 (Composite VIDEO)
S-VIDEO IN	Mini DIN 4-pin x 1 (S-VIDEO)
AUDIO IN 1	M3 x 1 (L-R x 1)
AUDIO IN 2 (MIC IN)	M3 x 1 (L-R x 1) for audio input or for microphone connection (variable)
AUDIO IN 3	Pin jack x 2 (L, R x 1)
AUDIO OUT	M3 x 1 (L-R x 1) for output (variable)
LAN	RJ-45 x 1 (for network connection, 10BASE-T/100BASE-TX,
Built-in speaker	4.0 cm (1 9/16") round shape x 1, output power: 10.0 W (monaural)
Dimensions (W x H x D)	352 x 98*3 x 279.4*4 mm
Wireless	2.4 GHz: IEEE802.11b/g/n, 5 GHz: IEEE802.11a/n
Warranty	1 Year Warranty Contract
No of Projectors Needed	4

Desktop Computers Intel® Core™ i5

Processor	Intel® Core™ i5
Operating System	Windows 10 Enterprise 64bit (English)
Memory	4 GB
Hard Disk	1TB SATA hard drive
Optical Drive	DVD+/-RW; DVD-ROM
Chipset	Intel® Q77 Express Chipset
Ports	6 External USB 2.0 ports (2 front, 4 rear, except USFF – 4 rear only) and 2 Internal USB 2.0 (MT/DT only); 1 RJ-45; 1 Serial; 1 VGA; 2 Display Port; 2 PS/2 (MT/DT/SFF only); 2 Line-in (stereo/microphone), 2 Line-out (headphone/speaker), optional Parallel/Serial port support (MT/DT/SFF only), optional 1394a PCI card (MT/DT only)
Monitor	22 inches wide LCD monitor
Dimension	Minitower (MT)
KEYBOARD	Multimedia Pro Keyboard
MOUSE	USB Optical Mouse
Networking	Integrated Gigabit Ethernet Intel
Power cord	Line Cord – US
Power Supply Unit	240W typical 92% Efficient PSU or more
Warranty	1 Year Warranty Contract
No of Desktop Computers Needed	52

NETWORK PRINTER**Heavy duty Laser Printer**

Printing Speed	Upto 50 ppm
Resolutions	1200 x1200 dpi
Built-in Gigabit	Ethernet 10/100/1000T network port
Memory	Minimum 512 MB expendable to 1.5 GB
Duplex printing	Yes