

## STRENGTHENING OF ACADEMIC AND PROFESSIONAL FACILITIES AT UNIVERSITY OF PESHAWAR

### MINUTES OF THE ELEVENTH MEETING OF SUB-COMMITTEE FOR IT EQUIPMENT

Eleventh meeting of the Sub-Committee constituted for the IT Equipment component of the project titled "Strengthening of Academic and Professional Facilities at the University of Peshawar" was held on Friday, August 10, 2018 at 10:00 AM in the Video Conference Hall, University of Peshawar. The meeting was chaired by Prof. Dr. Shah Khusro, Chairman, Department of Computer Science and attended by the meeting:

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| 1. Prof. Dr. Saeed Mehfooz, Department of Computer Science         | - | Member           |
| 2. Prof. Dr. Azhar Rauf, Department of Computer Science            | - | Member           |
| 3. Mr. Irfanullah Khan, Deputy Manager, Centre for IT Services     | - | Member           |
| 4. Mr. Shafaat Raza, Network Administrator, Centre for IT Services | - | Member           |
| 5. Mr. Falak Naz, Chairman, Department of Electronics              | - | By Invitation    |
| 6. Mr. Sajid Ali, Project Manager, CMS                             | - | By Invitation    |
| 7. Mr. Muhammad Jawad, Web Administrator                           | - | By Invitation    |
| 8. Engr. Hasan Iqbal, Resident Engineer MP-IV                      | - | By Invitation    |
| 9. Engr. Faisal Habib, Assistant Resident Engineer MP-IV           | - | By Invitation    |
| 10. Prof. Dr. Yorid Ahsan Zia, Project Director                    | - | Member/Secretary |

Representatives of the following firms/prospective bidders were also in attendance:

1. M/S Interactive Group Pvt Ltd.
2. M/s DWP Pvt Ltd
3. M/s Computer Marketing Company (CMC) Pvt Ltd.
4. M/s Techaccess Pvt Ltd
5. M/s Premier System Pvt Ltd.
6. M/s MultilynX Pvt Ltd.
7. M/s CNS Engineering
8. M/s IAC Group
9. M/s Mega Plus Pvt
10. M/s Makkays
11. M/s MEP Pvt Ltd

The meeting started with the name of Allah. Thereafter, the Project Director welcomed everyone to the pre-bid meeting of the ITB No.4/UoP/MP-IV/IT 'Supply, Installation and Commissioning of Equipment for Center for IT Services'. His introductory remarks were followed by a brief introduction of all participants. He then asked Mr. Irfanullah Khan, Deputy Manager, CITS to brief the house about the draft specifications. After briefing by Mr. Irfan, the Project Director, read the Tender Document section by section while the same was also displayed on the multimedia screen. During the discussion, vendors raised queries which were replied/decided by the Committee as follows:

S.No.	Page No.	Clause/ Sub-clause	Query by Vendor	Vendor	Reply/Decision by the Committee
1.	1	Submission of Bid Document	A request was made by all vendors to extend the last date of submission of Bid document in view of forthcoming Eid-ul-Azha Holidays.	All vendors	The last date for bid document submission was extended as below: Last date of submission of Bid Documents: 10 <sup>th</sup> September, 2018 upto 2:00 pm Opening of Technical Proposal: 10 <sup>th</sup> September, 2018 at 2:30 pm

2.	8	3. Terms and conditions S.No 3.9	Defects Liability period	M/s DWP	"Defects Liability Period" means the warranty period following the taking over, during which the Contractor is responsible for making good, defects and damage in Goods and Services provided, under the Contract.
3.	10	<b>6.3.2</b> General requirement Note(v). Three Year manufacturer warranty	Normally warranty of the UPS batteries is of One Year. Whether is it mandatory to provide 3-year warranty ?	M/s TechAccess	3-year warranty is mandatory for the entire data center on turnkey basis.
4.	11	<b>6.3.5</b> Fire Rated Doors and Walls	The Tier/Rated-III standard for Fire Rated door is of 90 minutes fire withstand whereas in RFP it is given as 60 minutes.	M/s TechAccess M/s CNS	The RFP document was amended/updated to comply with the Tier-III standard by replacing 60 minutes with 90 minutes (Highlighted in the revised RFP)
5.	11	<b>6.3.3</b> Dismantling and Related Civil Work	Clarification is required with reference to TIA-942-a standard for ITDC facility	M/s CMC	Concrete slab Structural frame for Civil works <b>as per TIA-942-a or equivalent Guides should be installed for Rating III ITDC facility</b>
6.	12	<b>6.3.9</b> Data Centre Networking and Core Connectivity	Where these 80 network nodes will be installed?	M/s TechAccess M/s DWP M/s CNS	The network nodes will be installed in different offices of CITS including NOC Centre, Display Centre and Corridors.
7.	12	6.3.10 Data Center Power System, Sub clause Xii	Emergency power off must be provided. Upon its activation all the UPSs and Air conditioners shall be shut off. It should be able to integrate with the Data center management system.	M/s CMC	The 'Air Conditioners' are deleted from EPO coverage in ITDC facility.
8.	14	<b>6.3.12</b> Main Distribution Board	The Serial Number of the clause has typo mistake and needs to be corrected.	M/s TechAccess M/s DWP M/s CNS	The Clause Main Distribution Board serial number is updated to 6.3.13 (as highlighted in the revised RFP)

9.	14	<b>6.3.14</b> Sub-Clause-iv Cables for Conduit or Channel Wiring	Fire suppression system has mentioned to be of NOVEC 1230 but in other pages of RFP it is mentioned as NOVEC 1230 or FM 200 or Equivalent.	M/s TechAccess  M/s DWP  M/s CNS	Only NOVEC 1230, which is latest technology and environmental friendly, is required. FM 200 was deleted from the RFP.
10.	14	<b>6.3.15</b> Earthing / Grounding System	2 Earth Pits are required as per RFP which do not comply the standard requirements of Data Centre.	M/s DWP  M/s MEP Solutions	To meet the standard requirement, number of required Earth Pits was increased to 3. (as highlighted in the revised RFP)
11.	15	<b>6.3.16</b> Standby Generator	The existing 100KVA generator specification may be shared with all vendors for their information	All Vendors	The specification of existing 100 KVA generator is incorporated in the RFP.
12.	15	<b>6.3.16</b> AVR Requirement	A query was raised regarding the power fluctuation issue from the WAPDA source which needs AVR to be installed in the power system	All Vendors	Two (02) AVR of 100KVA shall be installed in the power section to secure the DC equipment from power fluctuations and surge. Quantity and Specification added in the bidding document.
13.	15	6.3.16 Standby Generator	Client should share the scheme how they want to use sync panel for DC and Genset and building Genset	M/s Dwp	This is up to the vendor that how they design ITDC solution.
14.	17	HVAC for other Facility areas - General Specifications	v. Bidder to provide AC design from HVAC consultant to be vetted and approved by the purchaser	M/s DWP	Instead of HVAC Consultant, UoP engineer will approve the AC Design.
15.	18	Provide Fast Return on Investment (ROI)		M/s DWP	For clarification please review 51.3 clause under the payment section of RFP
16.	20	<b>6.3.23</b> Data Centre Infrastructure Management(DCIM)	Whether DCIM hardware should also be provided with the software ?	M/s MegaPlus	DCIM Hardware is not required; however vendor is responsible to install and configure DCIM software on existing server.

17.	20	<b>6.3.23</b> Data Centre Infrastructure Management(DCIM) <b>Clause: End to end monitoring and management of ITDC facility and not limited to active parts</b>	Whether DCIM will also be required for Servers and Network equipment monitoring?	M/s MegaPlus	DCIM and Building Management System for monitoring and management of ITDC facilities, third party devices are required, except networking equipment/Servers.
18.	24	<b>6.3.28:</b> Storage Area Network. Clause No. 2	A query was made to clarify the DRAM cache 48 GB per array.	M/s DWP	48 GB cache is for the whole SAN
19.	25	<b>6.3.28</b> Storage Area Network. Clause No. 10	Query was made that this requirement is not feasible with the storage solution	Different Vendors	6.3.28 clause no. 10 was deleted.
20.	25	Vendor must be Tier-1	A vendor requested to allow the gold partners in addition to Tier-1 partners	M/s TechAccess	Vendor must be Tier-1 partner of the Principal.
21.	26	Joint Venture/ Consortium	A query was made by different vendors to allow Joint Venture in this project.	M/s Makkays M/s Mega Plus M/s Multilinx	Joint Venture will be allowed subject to the condition that the Lead Vendor shall be Tier-1 partner of the Principal and will be responsible for overall project execution.
22.	33	Non-Mandatory/ Scoring requirement/ Criteria. S.No. 1.2	A query was made regarding the certifications of specific vendors which needs to be generalized	M/s Interactive Group	The Certifications mentioned in the bidding document or 'Equivalent' are required.
23.	33	Non-Mandatory/ Scoring requirement/ Criteria. S.No. 1.3	Different vendors raised the point that they are in process of acquiring the ISO 9001:2015 certificate which takes time. They requested to either mention ISO 9001 only or ISO 9001:2008	Various Vendors	The committee decided to allow vendors with ISO 9001 or higher ISO9001-2008 certification to participate in the bidding However, marks will be awarded as under: i. ISO 9001:2008: 3 marks ii. ISO 9001:2015: 5 marks.
24.	37	BOQ: SAN Storage with Switches	It is mentioned in the BOQ that each switch should have 24 ports activated which needs to be clarified.	M/s CNS  M/s TechAccess	Clarified to the Bidders and bidding document.

25.	37	BOQ: LED Screen	Clarification provided	UoP	SMART LED, Network. Wifi support Sony, LG, Samsung with 3 year warranty
26.	37	Compliance Sheet Sub-clause 25.1- Training	Vmware VCP NSX, CISSP, CEHv10 from authorized training center for 3 IT staff with exam vouchers.	M/s CMC	Spelling corrected in bidding document.
27.	37	24.1 IP Phone Set	Operator set(1)(128x384 backlit LCD display20 programmable dual-color buttons per module	M/s DWP	The vendors can quote higher size of LCD also.
28.	39	27. Performance Guarantee	For how much time Performance Guarantee will be retained?	Various Vendors	Performance Guarantee shall have a minimum validity period until the date of expiry of warranty period (3-Year), support period or termination of services, or fulfillment of all obligations under the contract, whichever is later.
29.	48	51. Payment Terms	Can partial payment be made before complete delivery/installation of Data Centre?	Various Vendors	Payment shall be made on complete delivery/installation/configuration of Goods/equipment after issuance of satisfactory certificate by concerned technical team.
30.	57	SAN storage with Switches Clause 6.3.28	SAN Storage should support iSCSi, IP SAN, FC SAN and NAS, having dual controller	M/s CMC	Corrected in bidding document
31.	37,58	IPBAX	Up to 4 modules for up to 120 or above contacts/extension	M/s CMC	Corrected in bidding document
32.	57	Bill of Material	Word Lot means	UoP	The vendors are required to quote the solution prices rather than per meter or per item prices.

The Bidding Document will be updated as per amendments/corrections above. The same will be uploaded on the University Website [www.uop.edu.pk](http://www.uop.edu.pk).

The meeting then ended with a vote of thanks.