

<b>Punjab Metrobus Authority</b>			
<b>Minutes of the Pre-bid Meeting</b>			
<b>Subject:</b>	Pre-Bid Conference On Tender Provision, Commissioning, Installation, Calibration, Integration, Testing, and Execution of IT Systems (CCTV Surveillance, Fiber Optic Connectivity and Video Wall) on Metrobus Corridor in Rawalpindi-Islamabad (Saddar to PM Secretariat)		
<b>Date:</b>	July 04, 2014	<b>Time:</b>	11:00 AM
<b>Venue:</b>	Committee Room, Punjab Metrobus Authority	<b>Chair:</b>	Mr. Sibtain Fazal Halim, Managing Director, PMA
<b>Participants:</b>	<p>List of Participants:</p> <ol style="list-style-type: none"> <li>1. Managing Director</li> <li>2. General Manager Operations</li> <li>3. Manager IT</li> <li>4. Financial Specialist</li> <li>5. IT Expert</li> </ol> <p>The list of prospective bidders who participated the Pre-Bid meeting is attached at Annex-A</p>		
<b>Question</b>		<b>Discussion/Decision</b>	
1. Micro Innovative Technologies and Al-Futtaim Pakistan Pvt. Ltd requested for extension in bid submission time.		1. After discussion with all the prospective bidders it was unanimously decided that the bid submission time will not be extended.	
2. Techaccess inquired that whether there is a Disaster Recovery (DR) site specified in the RFP .		2. No DR site is required.	
3. Techaces asked to clarify the scope of trainings (i.e. foreign and local trainings).		3. Only essential local training is required for the operational staff of PMA.	
4. PTCL asked about Fiber optic right of way.		4. Ducts alongwith manholes will be provided by the Purchaser for laying of fiber on MBS corridor.	

<p>5. What if more hardware is required?</p> <p>6. Page 16 Clause 8: Specify the ownership of equipment after contract period.</p> <p>7. Page 23 Point 12.6.2: Is IP Telephony System required only within the MBS or is outside connectivity also required?</p> <p>8. Page 23 Point 12.6.3: Can DC be offered outside the MBS C&amp; C Center.</p> <p>9. Is the duct available on both sides of the Bus route?</p> <p>10. Page 28 Point 14.2: As per RFP 48 Core fiber is required which is exclusive for MBS IT system only; however Internet connectivity is also required.</p> <p>11. Page 53/54 Clause 68 (Power): As the purchaser is responsible for the provision of commercial power but who will be responsible for the payment of commercial power.</p> <p>12. Page 59 Technical Evaluation Criteria: Do the all JV partner have to compliance with</p>	<p>5. Only major components and their quantities are listed in RFP. Bidder must provision any other/more equipment required to integrate the system and to make it functional in tables of section 76 &amp; 78 of RFP.</p> <p>6. Ownership of equipment will remain with service provider.</p> <p>7. IP Telephone system must support both within and outside MBS calls .</p> <p>8. DC will be co-located in a Tier3 compliant DC outside MBS C&amp;C Center. Clause No.12.6.3 is updated accordingly.</p> <p>9. No, the duct for fiber optic is only on one side.</p> <p>10. No internet connectivity is required on 48 Core fiber and Clause No. 14.2 is updated accordingly.</p> <p>11. Purchaser is responsible for payment of commercial power.</p> <p>12. No. In case of JV, marks shall be evaluated jointly for all members unless stated otherwise.</p>
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<p>each category.</p> <p>13.ZTE Pakistan Pvt Ltd. asked whether they can quote experiences/past projects of their parent company ZTE China since they are a 100% owned subsidiary</p> <p>14.Queries received during Pre-Bid meeting regarding Technical Specification.</p> <p><b>PTZ Camera (Outdoor Stations and Corridor)</b> Specify IR Range</p> <p><b>Network Video Recorder</b> The NVR should support different resolutions CIF/ 4CIF,SD/ HD, MP/ 1.3MP etc. resolutions. Storage: The NVR should have its own data storage Capacity of 30 days.</p> <p>The hardware design should be of robust nature to avoid single points of failure, preferably with redundant fans and</p> <p><b>ETHERNET SWITCHES</b> <b>Ethernet Switches (Manageable)</b> NOC</p> <p><b>Ethernet Switches (Manageable) Industrial Grade</b> Quantity 8</p> <p><b>SERVER FORM (CHASSIS) FOR BLADE SERVERS</b> Ethernet Switches: 48 Ports or Higher 10Gbps Ethernet Switch with 24 Activated Ports</p>	<p>13. Bidders cannot claim experiences/past projects of their parent company unless they bid as a JV with parent company.</p> <p>14. Following changes are made in Technical Specs:</p> <p><b>PTZ Camera (Outdoor Stations and Corridor)</b> IR 50 m</p> <p><b>Network Video Recorder</b> The NVR should support different resolutions CIF/ 4CIF,SD/ HD, MP/ 1.3MP/2.0MP etc. resolutions. Storage: The NVR should have data storage Capacity of 30 days using SAN.</p> <p>The hardware design should be of robust nature to avoid single points of failure, preferably with redundant fans and Power Supply.</p> <p><b>ETHERNET SWITCHES</b> <b>Ethernet Switches (Manageable)</b> DC</p> <p><b>Ethernet Switches (Manageable) Industrial Grade</b> Not Required deleted from RFP</p> <p><b>SERVER FORM (CHASSIS) FOR BLADE SERVERS</b> Ethernet Switches : (2*24)/(1*48) Ports or Higher 10Gbps Ethernet Switch with 24 Activated Ports</p>
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<p><b>SERVER FORM (MID RANGE BLADE SERVERS)</b></p> <p>RAM: 32 GB ECC DDR3 1866MHz RDIMM expandable up to 768 GB</p> <p><b>SAN STORAGE (500 TB)</b> Point-in- Time Copy: Comprehensive point-in-time copy <b>capability</b> supporting enterprise capabilities like incremental, space efficient and reverse snapshot functions Snapshot functionality should be included in the base system cost if not should be quoted separately</p> <p><b>STORAGE (100 TB) (Direct Attached Storage)</b> Host Interface: 4 x 6Gbps SAS port x 1Gbps iSCSI Ports</p> <p><b>Uninterruptible Power Supply (UPS) 30kVA for Control Center</b> <b>Input:</b> Nominal Input Voltage: 208V 3PH Input Frequency: 50/60Hz Input Connections: Hard Wire 5-wire (3PH + N + G) Number of Power Cords: 1 Maximum Input Current per phase: 92A Load Capacity: 30kVA</p> <p><b>Output:</b> Nominal Output Voltage: 120V, 208V 3PH Maximum Total Current Draw per Phase: 83.3A Output Connections: 1x Hard Wire 5-wire (3PH + N + G)</p> <p><b>Connectivity Specifications</b> Prospective bidders asked about Fiber Network.</p>	<p><b>SERVER FORM (MID RANGE BLADE SERVERS)</b></p> <p>RAM: 32 GB ECC DDR3 1866MHz RDIMM (expandable up to 768 GB or equivalent)</p> <p><b>SAN STORAGE (500 TB)</b> Point-in- Time Copy: Comprehensive point-in-time copy <b>capability</b> supporting enterprise capabilities like incremental, space efficient and reverse snapshot functions Snapshot functionality should be included in the base system cost if not should be quoted separately (No Licenses required)</p> <p><b>STORAGE (100 TB) (Direct Attached Storage)</b> Host Interface: 4 x 6Gbps SAS port x 1Gbps iSCSI Ports 4x8 FC Gbps FC host interface</p> <p><b>Uninterruptible Power Supply (UPS) 30kVA for Control Center</b> <b>Input :</b> Nominal Input Voltage: 380V 3PH( as per Pakistan standard)Input Frequency: 50/60Hz Input Connections: Hard Wire 5-wire (3PH + N + G) Number of Power Cords: 1 Load Capacity: 30kVA</p> <p><b>Output:</b> Nominal Output Voltage: 230VAC,380VAC 3PH Output Connections: 1x Hard Wire 5-wire (3PH + N + G)</p> <p><b>Connectivity Specifications</b> It is clarified that the Fiber optic Network is 10G Gigabit passive optical Network (GPON) refer Connectivity Specifications of RFP/Tender Document.</p>
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<p>Prospective bidders asked redundant fiber optic provisioning.</p> <p>15. Clarification is required regarding Clause No. 54 (Taxes and Duties) and Clause No. 42. (Contract Price)</p> <p>16. Clarification Regarding Tender Security, Clause No. 22 and Tender Security Form, Annexure-G</p>	<p>There is no redundant fiber connectivity therefore 1+1 self-healing configuration mode is removed from RFP.</p> <p>15. Clause No. 54 deals with all taxes and duties that are <u>leviable on the Service Provider as a business entity</u> and does not cover Sales Tax on Services to be borne by the Purchaser as final consumer of the Services. Bidders shall quote financial bid exclusive of Sales Tax on Services, which shall be dealt with in accordance with Clause No. 42, "Contract Price" and Sub-Clause No. 21.1.4.</p> <p>Also, Bidders are advised to read Clause No. 55 "Bidder to Inform Himself" regarding acquiring knowledge of the Laws/Taxes etc.</p> <p>16. Tender Security will be accepted only in the format as specified in Annexure-G and Sub-Clause No. 22.3.1 is changed as follows.</p> <p style="text-align: center;"><i>in the form of Bank Guarantee, issued by a scheduled bank operating in Pakistan, in the name of the Purchaser, as per the format provided in the Tender Document [Annexure-G] <del>or in another format acceptable to the Purchaser;</del></i></p> <p>The validity Sub-Clause No. 22.3.4 of Tender Security is changed as follows where "whichever is later" is replaced with "whichever is earlier".</p> <p style="text-align: center;"><i>The Tender Security shall have a minimum validity period of 180 days from the last date for submission of the Tender or until furnishing of the Performance Security, whichever is <del>later</del> earlier.</i></p>
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<p>17.Refer Sub-Clause No. 63.1, The IT Systems setup delivery time is one hundred and twenty (120) calendar days from the issuance of Letter of Intent (LOI) with complete deployment, commissioning and installation. Can the time begin from the issuance of Contract?</p>	<p>The Tender Security Form, Annexure-G is changed accordingly where the last sentence is updated as follows.</p> <p><i>This guarantee shall remain valid up to _____ or until furnishing of the Performance Security, whichever is <del>later</del> earlier.</i></p> <p>17. All the references in the tender document to Letter of Intent (LOI) are replaced with Acceptance Letter (LOA). Refer Clause No. 30, the Purchaser shall issue Acceptance Letter (LOA) which shall constitute as contract until execution of the formal contract. The delivery time will start from issuance of Acceptance Letter (LOA).</p>
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ATTENDANCE SHEET

PRE-BID MEETING ON Provision, Commissioning, Installation, Calibration, Integration, Testing, and Execution of IT SYSTEMS (CCTV Surveillance, Fiber Optic Connectivity and Video Wall) ON METROBUS CORRIDOR IN RAWALPINDI-ISLAMABAD (SADDAR TO PM SECRETARIAT)

ATTENDANCE SHEET

Place: Committee Room, PMA Office, 5th floor,  
Arfa Software Technology Park, Lhr

Date: 04/07/14

Time: 11:00 AM

Sr. No.	Name of Organization	Name of JV Partner (If any)	Representative's Name	Designation	Contact No.	Email Address	Signature
1	M. Saad Bashir	GCS	Saad	ABDM	0335-2232569	m.ilion.mad.Saad@qcpvt.com	Saad
2	PTCL		M. Iqbal	SE	0300 9192849	muhemmadibqbal@ptcl.net.pk	M. Iqbal
3	PTCL		Ch. Sharafat Ali	KAM	03335225333	sharafat.ali@ptcl.net.pk	Ch. Sharafat Ali
4	vital international		Zafar Nadeem	Managing Director	0300-417276	zafar@vitalgroup.com.pk	Zafar Nadeem
5	INFOTECH		Ali Shabbaz	SE	0300-8495369	ali.shabbaz@infogroup.com	Ali Shabbaz
6	Hotel Solutions		Khanam Kabeer	KAM	0322-8422777	Khanam.waheed@votel.com.pk	Khanam Kabeer
7	IndoX		Kamran	SE	0333-532017	m.kamran@indoX.com	Kamran
8	INTERACTIVE CONVERGENCE		ADMAN AK-SHAR	MANAGER	+92-51-2228511	adman.gv@icg.com	Adman Ak-Shar
9	ZTE		ASIF MALIK	GM - SALES	0374-522082	asif.malik@zte.com.cn	Asif Malik
10	Mansha forobers		M. Wassem	CSM	03218468850	wassem@manshaforobers.com	M. Wassem
11	Al-Furqan Pakistan		Mansoor	RSM	0334 88835	Shahzad.ahmed@alff.com.pk	Mansoor
12	ABMAMITO Tech		Fauzad Baidarazi	Technical Manager	0332-8448106	Fauzad.Baidarazi@abmcom.com	Fauzad Baidarazi
13	Techaccess		Mian Atif Riaz	Sales executive	0332-4153095	atif.riaz@techaccess.com	Mian Atif Riaz
14	Electric Clipped by Schneider Techaccess		Amaail Alvi	Regional Manager	0303265	amaailalvi@clipped.com.pk	Amaail Alvi
15	AGCN Pakistan		IRFAN ALI KHAN	SAM	0300-0400836	irfan.ali.khan@agcn-pakistan.com	IRFAN ALI KHAN

Place: Committee Room, PMA Office, 5th floor, Arfa Software Technology Park, Lhr Date: 04/07/14 Time: 11:00 PM

Sr. No.	Name of Organization	Name of JV Partner (if any)	Representative's Name	Designation	Contact No.	Email Address	Signature
16	Multinet Pakistan		Usman Nasir	KAM	0344 4489473	usman.nasir@multinet.com.pk	<i>[Signature]</i>
17	WorldCall Telecom		Ali Abbas Khan Niaz	Manager	0300-8403385	ali.abbas@worldcall.com.pk	<i>[Signature]</i>
18	China Railway Signal & Control	TeMcoms	Simran Pan	Director	03215154881	info@telcoms.com	<i>[Signature]</i>
19	CWS Engineering		Usman Habib	SM	0321-7878538	usman.habib@cwse.com.pk	<i>[Signature]</i>
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