

<b>Punjab Masstransit Authority</b>			
<b>Minutes of Meeting</b>			
<b>Subject:</b>	Pre-Bid Conference On Tender For Provision, Commissioning, Installation, Calibration, Integration, Testing, And Execution of IT Systems (CCTV Surveillance, Connectivity) For Feeder Routes In Lahore.		
<b>Date:</b>	March 29, 2016	<b>Time:</b>	11:00 AM
<b>Venue:</b>	Committee Room, Punjab Masstransit Authority	<b>Chair</b> :	Mr. Muhammad Ozair Shah, General Manager Operations, PMA
<b>Participants:</b>	<p>List of Participants:</p> <ol style="list-style-type: none"> <li>1. General Manager Operations, PMA</li> <li>2. Manager IT, PMA</li> <li>3. IT Expert, PMA</li> <li>4. Manager Operations Planning, Lahore, PMA</li> <li>5. Manager Operations Technical Lahore, PMA</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.	M/s LMKT sought clarifications through e-mail having following queries:	1.	The query wise response is as under:
	<ol style="list-style-type: none"> <li>i. Normally 6 to 7 meter height of pole are used for road side video surveillance solutions, is there any specific reason to have 40 feet pole height.</li> <li>ii. Can we install camera's on existing infrastructure i.e. poles/gentries etc.?</li> <li>iii. We (Bidders) will borne all the required charges/document required by relevant department, Will PMA ensure to obtain</li> </ol>		<ol style="list-style-type: none"> <li>i. 40 ft. Pole height above ground level is requirement of PMA whereas camera height can be adjusted. However, the pole height requirement is reduced to 35 ft.</li> <li>ii. No. Bidders have to propose complete solution however during implementation phase that can be allowed as exceptional cases.</li> <li>iii. It is clarified that obtaining NOC/ROW/Power connections is responsibility of Service Provider.</li> </ol>

<p>NOC/ROW/Power connection with in due time?</p> <p>iv. We assume, in case of any delay from the relevant department to issue NOC/ROW/Power connection the duration will be excluded from project timelines.</p> <p>v. What are the requirements of video viewing, do PMA want to view new camera in their exiting video management application?</p> <p>vi. Separate application running on existing workstation is acceptable or vendor will have to provide new desktop machine for operator view.</p> <p>vii. Will PMA provide primary data center space to host server and storage etc. for this project?</p> <p>viii. Do you have existing NMS or do you need separate NMS for new implementation.</p> <p>ix. Please explain “Automatic Violation Report” do you need video analytics? If yes please specify what kind of analytics is required.</p> <p>x. Who will be responsible for provisioning of bandwidth/connectivity, computer etc. required for Government department video sharing?</p> <p>xi. Our understanding is PMA will be responsible to obtain NOC’s for cantonment/defense area and we will pay all official charges associated with these NOC’s.</p>	<p>However, PMA will facilitate in obtaining them.</p> <p>iv. It is clarified that the delay will not be counted on Service Providers end to the extent of such specific reason.</p> <p>v. It is clarified that PMA does not want to view new camera in their exiting video management application. The service provider has to propose independent viewing solution.</p> <p>vi. It is clarified that new desktops are not required as separate application will run on existing workstations available in PMA Command and Control Center, Lahore.</p> <p>vii. No. Service Provider is required make arrangements independently.</p> <p>viii. Separate NMS is required.</p> <p>ix. Sample of Automatic Violation report format is attached at Annex-B. It is clarified that video analytics are not required.</p> <p>x. All bandwidth/connectivity, computer etc. required for Government department video sharing is not the Scope of this project and will be provisioned by PMA or requesting Government department.</p> <p>xi. It is clarified that obtaining NOC’s will also be responsibility of Service Provider. However, PMA will facilitate in getting NOC’s.</p>
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<p>2. M/s Interactive Convergence sought clarification about payments to Service Provider in case of contract termination as mentioned in Service Level Agreement “Table 1: Key Performance Indicators” as under:-</p> <p style="padding-left: 40px;">“SA Below 70 is Not Permitted, May result in Termination of Contract”.</p> <p>3. M/s Inbox sought clarification about word “effective” in “2” Megapixel Outdoor IR PTZ Camera specification “Num. of effective Pixels 1920x1080 HxV”.</p> <p>4. M/s Trillium and Interactive Convergence requested for extension in bid submission time.</p>	<p>2. It is clarified that performance below 70% is not acceptable which may result in termination and without any payment to the Service Provider.</p> <p>3. It is clarified that “Num. of effective Pixels” is same as “Num. of Pixels”. However “2” Megapixel Outdoor IR PTZ Camera specification “Num. of effective Pixels 1920x1080 HxV” is amended as “Num. of Pixels 1920x1080 HxV”</p> <p>4. After discussion with all the prospective bidders it was decided that the bid submission time will not be extended.</p>
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## ATTENDANCE SHEET

PRE-BID MEETING ON PROVISION, COMMISSIONING, INSTALLATION, CALIBRATION, INTEGRATION, TESTING AND EXECUTION OF IT-SYSTEMS (CCTV SURVEILLANCE AND CONNECTIVITY) FOR FEEDER ROUTES IN LAHORE

## ATTENDANCE SHEET

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

Date: 29/03/2016

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	Interactive convergence	Kashif Nawaz	Network engineer	0321-4020730	kashif.nawaz@iacgrp.com	
2	"	Yasir Mughal	"	0300-8483055		
3	"	MURTAZA HUSSAIN	Account Manager	0305-5900032	MURTAZA.HUSSAIN@activegrp.com	
4	"	M. Asif Tareen	Asst Manager	0333-3848154	arif.tareen@iacgrp.com	
5	Interactive	M. Umer Khan	Manager	0333-3901510	umer.khan@iacgrp.com	
6	Interactive	Shahbaz Iqbal		0321-4606636	shahbaz.iqbal@iacgrp.com	
7	TRILLIUM	MOHSIN SAEEDI	MD	03008504100	mohsin@infosecurity.com.pk	
8	DWP Technologies	Usman Shahid	AM	0303-444273	usman.shahid@dwp.com.pk	
9	Techaccess Pakistan	UMAR ARIF	System Engineer	0314-4242207	umar.arif@techaccesspak.com	
10	Inbox	'	Rashid Chaudhary	0321-2488863	rashid.ch@inboxbiz.com	
11	Inbox	'	Mustasim Azhar	0333-4432449	mustasim.azhar@inboxbiz.com	
12	nitel International	'	Tahir Hameed	0333-4242649	tahir@nitelgroup.com.pk	
13	INBOX	'	ALI SHAHBAZ	0333-4466791	ali.shahbaz@inboxbiz.com	
14	Arcana Info	Atif Riaz		0302-5556623	atif.riaz@arcanainfo.com	
15	"	Imman Salim		0300-5055094	imman.salim@arcanainfo.com	

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Sr. No.	Name of Organization	Name of JV Partner (If any)	Representative's Name & Designation	Contact No.	Email Address	Signature
16	Arcana Info		Atif Riaz	0302 5556423	Atif.riaz@arcanainfo.com	
17	"		Imran Salim	0300 5255254	imran.salim@arcanainfo.com	
18			Arshad Abbas	03334848571	arshad.abbas@arcanainfo.com	
19	DWP Technologies		Raza Bahadur Qureshi	0300-4011288	Raza.Bahadur@DWP.com.pk	
20	Techaccess Pakistan		MUJAHID RAFIQUE	0300 84 77966	mujahid.yafique@Techaccesspakistan.com	
21	Techaccess Pakistan		Muhammad Faizur	0321-9998994	Faizur.Tahir@Techaccesspakistan.com	
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## VIOLATION REPORT



User Name: Imran

Date and Time: 15.03.2016 15:00

Day: Thursday

Location: Camera No.45 Between Chungi and Ghazi Bus Stop

Comments of Surveillance Officer: The Buses blocked the Road at Chungi Bus Stop for General Traffic. The four buses arrive at the same time.

# Addendum No1 to Tender Document

PROVISION, COMMISSIONING, INSTALLATION, CALIBRATION,  
INTEGRATION, TESTING, AND EXECUTION OF IT SYSTEMS (CCTV  
SURVEILLANCE, CONNECTIVITY) FOR FEEDER ROUTES IN LAHORE



**THE PUNJAB MASSTRANSIT AUTHORITY  
GOVERNMENT OF THE PUNJAB**

5<sup>th</sup> Floor, Arfa Software Technology Park (ASTP)

346-B, Main Ferozpur Road, Lahore, Pakistan.

Phone: +92 42 99028000 Fax: +92 42 9923 2541

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# **Addendum No.1 to the Tender Document**

Due to some clarifications required in the RFP document, the following addendum is hereby issued; which shall form a part and parcel of the original document titled

**"PROVISION, COMMISSIONING, INSTALLATION, CALIBRATION, INTEGRATION, TESTING, AND EXECUTION OF IT SYSTEMS (CCTV SURVEILLANCE, CONNECTIVITY) FOR FEEDER ROUTES IN LAHORE"**

, issued and uploaded on March 25, 2016. The contents of this addendum shall supersede/replace pages 16 and 68 of the original RFP document, and shall be read as part of the RFP document uploaded on the following websites:

[www.pma.punjab.gov.pk](http://www.pma.punjab.gov.pk)

[www.ppra.punjab.gov.pk](http://www.ppra.punjab.gov.pk)

## 7.2 Future Expansion Plans

After the successful implementation of feeder operation on fourteen (14) routes in Lahore, PMA will notify more routes to expand the IPTN.

<b>SUMMARY OF ROUTES</b>				
	<b>No. of Routes</b>	<b>Route Length (Km)</b>	<b>Number of Buses</b>	<b>Type of Buses</b>
<b>Phase-I</b>	14	123	200	Standard Bus/Mini Bus
<b>Phase-II</b>	12	114	166	Standard Bus
<b>Phase-III</b>	12	118	181	Standard Bus
<b>Phase-IV</b>	14	119	187	Standard Bus
<b>Phase-V</b>	18	117	192	Standard Bus/Mini Bus
<b>Phase-VI</b>	21	101	200	Standard Bus/Mini Bus
<b>Phase-VII</b>	13	259	275	Standard Bus
<b>Total</b>	<b>104</b>	<b>951</b>	<b>1400</b>	

7.3 The Punjab Masstransit Authority (hereinafter called "PMA") invites applications from bidders/Consortium (herein after called "Bidder") for the execution and completion of a project involving the provision, commissioning, installation, Calibration & Testing, Operation and Maintenance of CCTV Surveillance System, Connectivity, Data Center Server/Racks/Storages, Data Cabinet, for the Command & Control Centre and Feeder Routes in Lahore, Pakistan (hereinafter called the "Project").

7.4 The scope of work is limited to area of feeder routes in Lahore. The key components of the scope are provided below.

## 7.5 Future Expansion Plans

Once, the IT Systems solution is successfully adopted for current phase of Feeder Routes, there are plans to roll out the solution for later phases of local transport Operations Feeder Routes will be included as well.

## 8. Contract type and duration

Contract period is (06) six years, extendable based on needs, compliance to defined Service Level Agreement (SLA), satisfactory audit reports, and compliance to other requirements stated in this Tender Document, and formal contract.

## 9. Services Required

Contractual obligations of the successful bidder's (IT Systems Service Provider's roles and Responsibilities):

### IT Systems Solution Deployment and onsite technical support:

1. Procure, operate and maintain Surveillance System including all its components and peripherals, reliably and securely at all times during the course of the contract for Feeder Routes operation on roads/corridor identified by PMA to meet Performance Level mentioned in the Service Level Agreement. The scope of work in Surveillance system includes hardware and software for installation of 367 Cameras with allied Civil works such as erection of poles of at least 35 ft height etc., fixing of Cameras on Poles, PTZ Cameras, design of overall system, server, storage, network (Wireless or fiber optic), power supply (Solar or LESCO supply), replacement/upgrade of hardware and software (if required), display of live video feed on Video Wall and Workstations

<b>2 Megapixel Outdoor IR PTZ Camera</b>		<b>Yes</b>	<b>No</b>	<b>Qty</b>
Specification	Details			367
Image Sensor	2MP			
Num. of Pixels	1920 x 1080 HxV			
Lens	30 X or higher Optical Zoom			
Minimum Illumination	0.1 Lux, 0 lux (IR:ON)			
Auto Iris	DC Drive			
Video Compression	Motion JPEG, MPEG-4/H.264 High Profile			
H.264/MJPEG/MPEG4	30 FPS @ 1080p, 720p/ D1/ VGA/ QVGA			
Video Streaming	Multiple Stream			
Image Setting	Compression, Brightness, Contrast, Sharpness, AWB, AES, AGC, BLC, Day/Night Mode, WDR			
Security	Password Protection, IP Address Filtering, User Access Privilege			
Protocol	Protocol to compliant for NMS communication			
Local Storage	File Recording microSD/SDHC Card Support with 32 GB SD card or higher microSD/SDHC Auto-recovery, Reset			
Pan/Tilt Movement	Pan:360 degrees endless, Tilt 180 degrees			
IR Range	80 Meter			