

Punjab Masstransit Authority			
Minutes of Meeting			
Subject:	Pre-Bid Conference On Tender For Development, Implementation, Operations, and Long-Term Maintenance of Proven Globally Deployed Automated Fare Collection and Bus Scheduling System (AFC-BSS) for Multan Metrobus System and Feeder Routes		
Date:	September 07, 2015	Time:	03:00 PM
Venue:	Committee Room, Punjab Masstransit Authority	Chair:	Mr. Muhammad Ozair Shah, General Manager Operations, PMA
Participants:	<p>List of Participants:</p> <ol style="list-style-type: none"> 1. General Manager Operations, PMA 2. Manager IT, PMA 3. IT Expert, PMA 4. Manager Operations Technical, Lahore, PMA <p>The list of prospective bidders who participated the Pre-Bid meeting is attached at Annex-A</p>		
Question		Discussion/Decision	
1. LMKT, Interactive Convergence, AGCN, Infocom, SI Global Solutions and Techaccess Pakistan requested for extension in bid submission time and delivery time.	1. After discussion with all the prospective bidders and as per their agreement it was decided that the bid submission time and delivery time will not be extended.		
2. Clarification regarding Clause No. 17 (Joint Venture/Consortium) that whether an Agreement deed is required or Memorandum of Understanding (MOU) would be sufficient for bid submission.	2. It is clarified that Memorandum Of Understanding (MOU) would also be acceptable for bid submission and Sub-Clause No. 17(a) is changed as follows <i>The Tenderers may form a joint venture of maximum four Tenderers/bidders. An Agreement Deed <u>legally executed to that effect, or a Memorandum of Understanding (MOU)</u>, signed by all the partners shall be submitted with the bid.</i>		
3. Clarification regarding access point to the feeder route bus for maintenance in case any	3. The maintenance staff of the Service Provider will attend to the problem in the AFC-BSS equipment		

<p>AFC-BSS equipment installed in the feeder bus (i.e OBU, validator(s)) malfunctions.</p> <p>4. Clarification regarding location of Command & Control Center that will be developed by the Purchaser in Multan.</p> <p>5. Clarification regarding fare media to be used on feeder routes.</p> <p>6. Clarification regarding start of operations of AFC-BSS services on metrobus stations and feeder routes.</p> <p>7. Clarification regarding number of resources required on each sale point for card sales and recharge facility.</p>	<p>installed in the bus at the feeder routes terminals (ends of feeder routes) once the bus reaches there; upon completing/aborting its trip.</p> <p>4. The Command & Control Center will be developed at Chungi # 9.</p> <p>5. Only Smart Cards will be used on the feeder routes. The requirement of adequate solution for short/occasional or single journeys, based on re-usable RFID cards or RFID tokens is for metrobus system only as there will be no retention of fare media in the feeder routes system as opposed to metrobus corridor. The Sub-Clause 13.3 is changed as</p> <p style="padding-left: 40px;"><i>---For short/occasional or single journeys <u>on metrobus system only</u>, Bidder must propose adequate solution based on re-usable RFID cards or RFID tokens.---</i></p> <p>6. Fully functional AFC-BSS setup is required for both 21 metrobus stations and 11 feeder routes within 120 calendar days and the related stipulation under Clause 74, Special Stipulations is changed as</p> <p style="padding-left: 40px;"><i>Fully functional AFC-BSS setup for 21 stations of PMA <u>and 11 feeder routes</u> within 120 Calendar Days from the issuance of LOA.</i></p> <p>7. Just one (01) resource per shift for card sale and recharge facility on each sale point is required and following detail is added under Sr.8 of Clause 76, Price Schedule / Bid Price / Form of Bid</p> <p style="padding-left: 40px;"><i>(including but not limited to setting-up, provisioning and maintaining all hardware, software, data communication, network, security components, top-up/POS machines, card sale, card recharge etc.)</i></p> <p style="padding-left: 40px;"><i>1 person for card sales and recharge facility (per shift, in each sale point) at all times during PMA operating hours)</i></p> <p>Similarly under Clause 75, Technical Evaluation</p>
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<p>8. Clarification regarding number of turnstiles required</p> <p>9. Clarification regarding number of additional validators that may be required during expansion of feeder routes in the subsequent phases.</p> <p>10. Clarification regarding variation in number of entry and exit points on metro stations and provisioning of station design.</p>	<p>Criteria, Section Compliance sheet for Bids following detail is added</p> <p><i>Sr#16: Operations in Buses</i> <i>Sr#17: Operations in Sale Points</i></p> <p>8. 126 turnstiles are required on 21 metrobus stations. The Sub-Clause 13.1 is changed as</p> <p><i>---Turnstiles have been proposed on every station which makes the total of approximately 144126 operational turnstiles at any given time.---</i></p> <p>9. The mentioned additional validators quantity (508) required during expansion of feeder routes in the subsequent phases is changed to 515 in Sub-Clause 6.3 of Tender Scope and Sub-Clause 9.53 of Services Required is changed as</p> <p><i>---300 Driver Consoles having GPS trackers and 508515 validators for (300 additional buses (215 standard and 85 mini buses) on other feeder routes in the next phases)---</i></p> <p>10. All the stations have Single Entry and Exit design. The station design drawings showing positions of turnstiles, Ticket Office, Data Cabin etc of a typical At-Grade station and an Elevated station is attached at Annex-B.</p>
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ATTENDANCE SHEET

PRE-BID MEETING ON DEVELOPMENT, IMPLEMENTATION, OPERATIONS AND LONG-TERM MAINTENANCE OF PROVEN GLOBALLY DEPLOYED AUTOMATED FARE COLLECTION AND BUS SCHEDULING SYSTEM (AFC-BSS) FOR MULTAN METROBUS SYSTEM AND FEEDER ROUTES

ATTENDANCE SHEET

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

Date: 07/09/2015

Time: 3:00 PM

Sr. No.	Name of Organization	Name of JV Partner (If any)	Representative's Name & Designation	Contact No.	Email Address	Signature
1	INBOX LTKT		JAUDDAT SHAIKH	03368567131	jshaike@lmtk.com	Jauddat
2	LTKT		Noorman	03368567147	mnali@lmtk.com	Noorman
3	Inbox		Rashid Raudhary	0321-2428863	rashid.cheinboxbiz.com	Rashid
4	Inbox		Shahjed Akbari	0300-8242565	shahjed.akbari@inboxbiz.com	Shahjed
5	Inbox		Zia Saleem	0300-8221984	zia-saleem@inboxbiz.com	Zia Saleem
6	INTERACTIVE		Adnan Akbar	03018556656	adnan.akbar@icgv.com	Adnan
7	PTCL		Syed Murad Ali	03064334333	SYED.MURAD@PTCL.NET.PK	Syed Murad
8	PTCL		Ahmad Manjoor	0300-8477196	ahmed.manjoor@ptcl.net.pk	Ahmad
9	Techaccess		MUSSAB KHAKWANI	03025556510	mussab.khakhani@techaccesspak.com	Mussab
10	Techaccess		Hasan Afzal	0307-6444008	hasan@techaccesspak.com	Hasan
11	ZTE		Sohail - Account Manager	0321-4582268	sohailaslam@zte.com.cn	Sohail
12	AGEN Pakistan		Nadeem - Sr. Manager	0300400832	nadeem.arkhet@agen-pakistan.com	Nadeem
13	Techaccess		IRFAN AKHTAR	0302-5550082	irfan.arkhet@techaccesspak.com	Irfan
14	WATEEN		WAGAR ALI	03204143056	wagar.ali@wateen.com	Wagar
15	infocom		Shahzada Kamran	03214774999	shahzada.kamran@infocommtech.com	Shahzada Kamran

ATTENDANCE SHEET

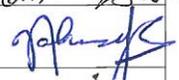
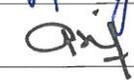
PRE-BID MEETING ON DEVELOPMENT, IMPLEMENTATION, OPERATIONS AND LONG-TERM MAINTENANCE OF PROVEN GLOBALLY DEPLOYED AUTOMATED FARE COLLECTION AND BUS SCHEDULING SYSTEM (AFC-BSS) FOR MULTAN METROBUS SYSTEM AND FEEDER ROUTES

ATTENDANCE SHEET

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

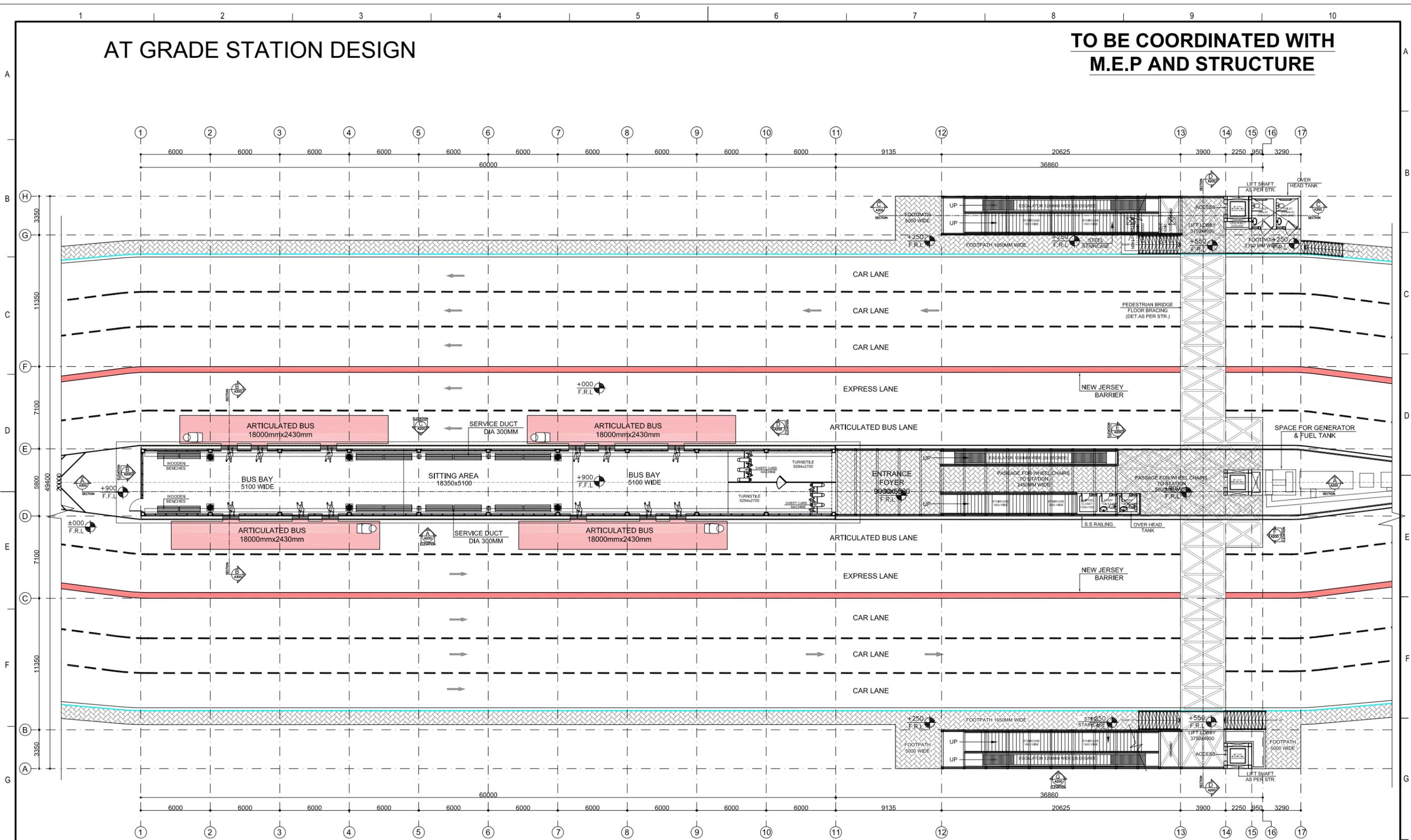
Date: 07/09/2015

Time 3:00 PM

Sr. No.	Name of Organization	Name of JV Partner (If any)	Representative's Name & Designation	Contact No.	Email Address	Signature
16	Interactive Group		Saqib Saleem	03337142092	saqib.saleem@iacgrp.com	
17	" " "		HAMZA Burney	0321-5371144	Hamza.Burney@iacgrp.com	
18	Systems Limited		SHAHID GHAFFAR / Consultant	0333-4220782	Shahid.gaffar@systems-ltd.com	
19	SI Global Solution		NOMAN SAID	0321-297444	ceo@siglobalsolutions.com	
20	Interactive Group		MIRZA Asif	0300-4840331	asif.bang@iacgrp.com	
21						
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AT GRADE STATION DESIGN

TO BE COORDINATED WITH
M.E.P AND STRUCTURE



GROUND FLOOR PLAN

Drawing file path & name: \\STORAGE-SERVER14 - In-Progress\2730-Bus Rapid Station Multan_01-Stations 01-Bzu Station at Grade_1 Arch_03 Construction Dwg\2730-1-1-3-A100C1.dwg
 User and Plot Date: Kamran - Wed, 22 Jul 2015 - 6:01pm

Client: **MULTAN DEVELOPMENT AUTHORITY**
GOVERNMENT OF THE PUNJAB

Project: **CONSTRUCTION OF METRO BUS SYSTEM MULTAN**

Building Name: **AT GRADE STATION**
BAHAUDDIN ZAKARIA UNIVERSITY

S. No.	Date	Issuance	Checked	Issued	S. No.	Date	Revisions	Drawn	Checked
C1	July 15	INCREASED STATION WIDTH FROM 4.2M TO 5.8M							
C0	May 15	ISSUED FOR CONSTRUCTION							

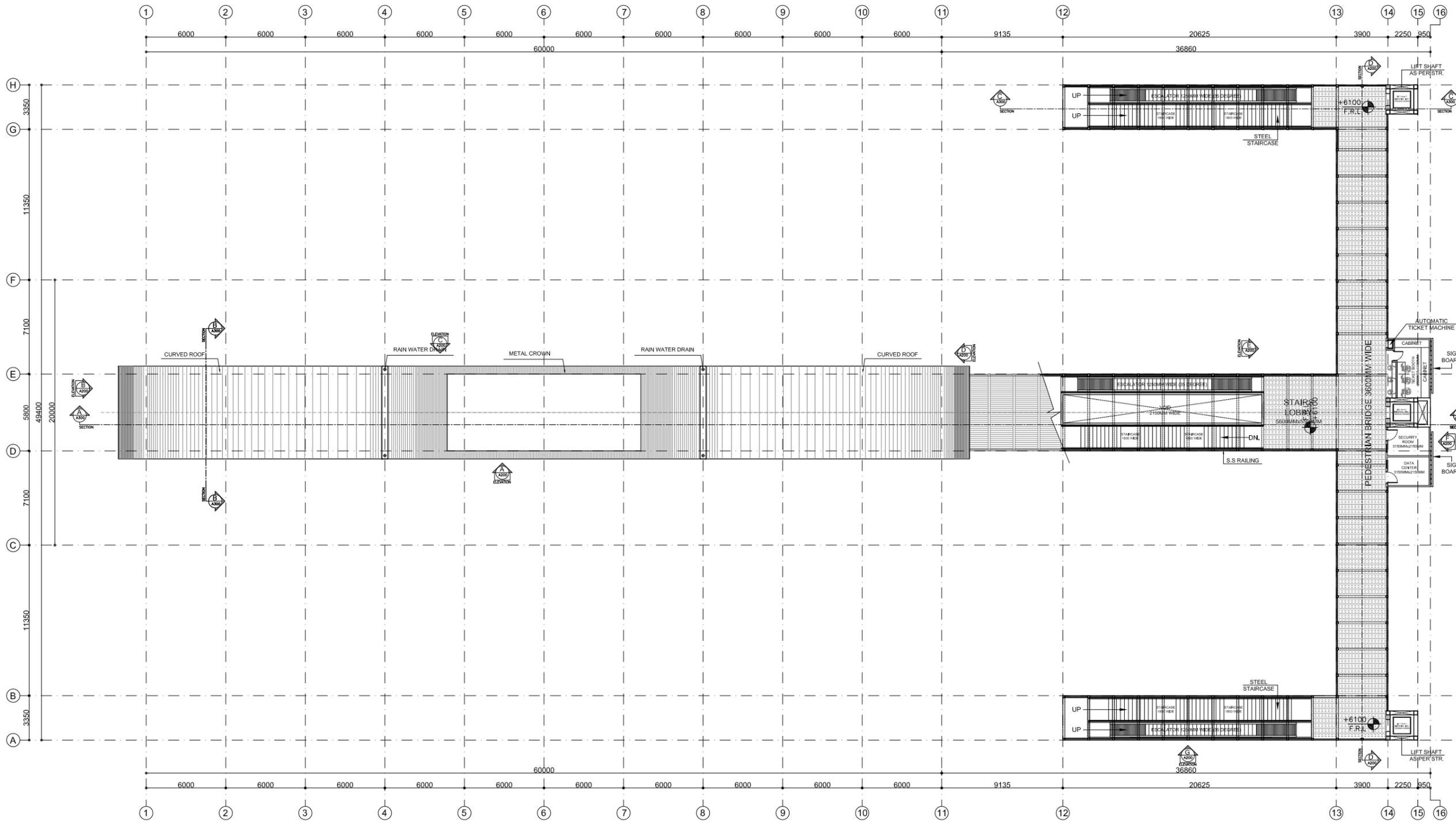
Design By: FARVAL KHAN
Checked by: FATIMA ZEHRA AUSAT
Coordinated By: SYED AQUL AHMED

Called By: KAMRANZUNAIRA	Date: May-15	Scale: 1:150	File No: 2730
Checked by: FATIMA ZEHRA AUSAT	Plot No: ---	Project No: 2730	Rev No: C1
Coordinated By: SYED AQUL AHMED	Rev No: ---	Dwg No: A100	
Design By: FARVAL KHAN			
Electronic File Name: 2730-1-1-3-A100C1			

Consultant: **OSMANI**
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OSMANI & COMPANY (PVT.) LTD.
Consulting Engineers - Architects - Planners
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ISLAMABAD RAWALPINDI LAHORE MULTAN FAISALABAD PAKISTAN PAKISTAN PAKISTAN PAKISTAN PAKISTAN

AT GRADE STATION-DATA CABIN/CENTER AND TICKET BOOTH

TO BE COORDINATED WITH
M.E.P AND STRUCTURE



Drawing file path & name: \\STORAGE-SERVER\14 - In-Progress\2730-Bus Rapid Station Multan_01-Stations 01-Bzu Station at Grade_1 Arch_03 Construction Dwg\2730-1-1-3-A1001.dwg
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Client:



MULTAN DEVELOPMENT AUTHORITY
GOVERNMENT OF THE PUNJAB

Project:

**CONSTRUCTION OF METRO
BUS SYSTEM MULTAN**

S.No.	Date	Issuance	Checked	Issued	S.No.	Date	Revisions	Drawn	Checked
C1	July,15	INCREASED STATION WIDTH FROM 4.2M TO 5.8M							
C0	May,15	ISSUED FOR CONSTRUCTION							

Building Name: **AT GRADE STATION
BAHAUDDIN ZAKARIA UNIVERSITY**

Drawings Title: **ARCHITECTURE
PEDESTRIAN BRIDGE LEVEL PLAN**

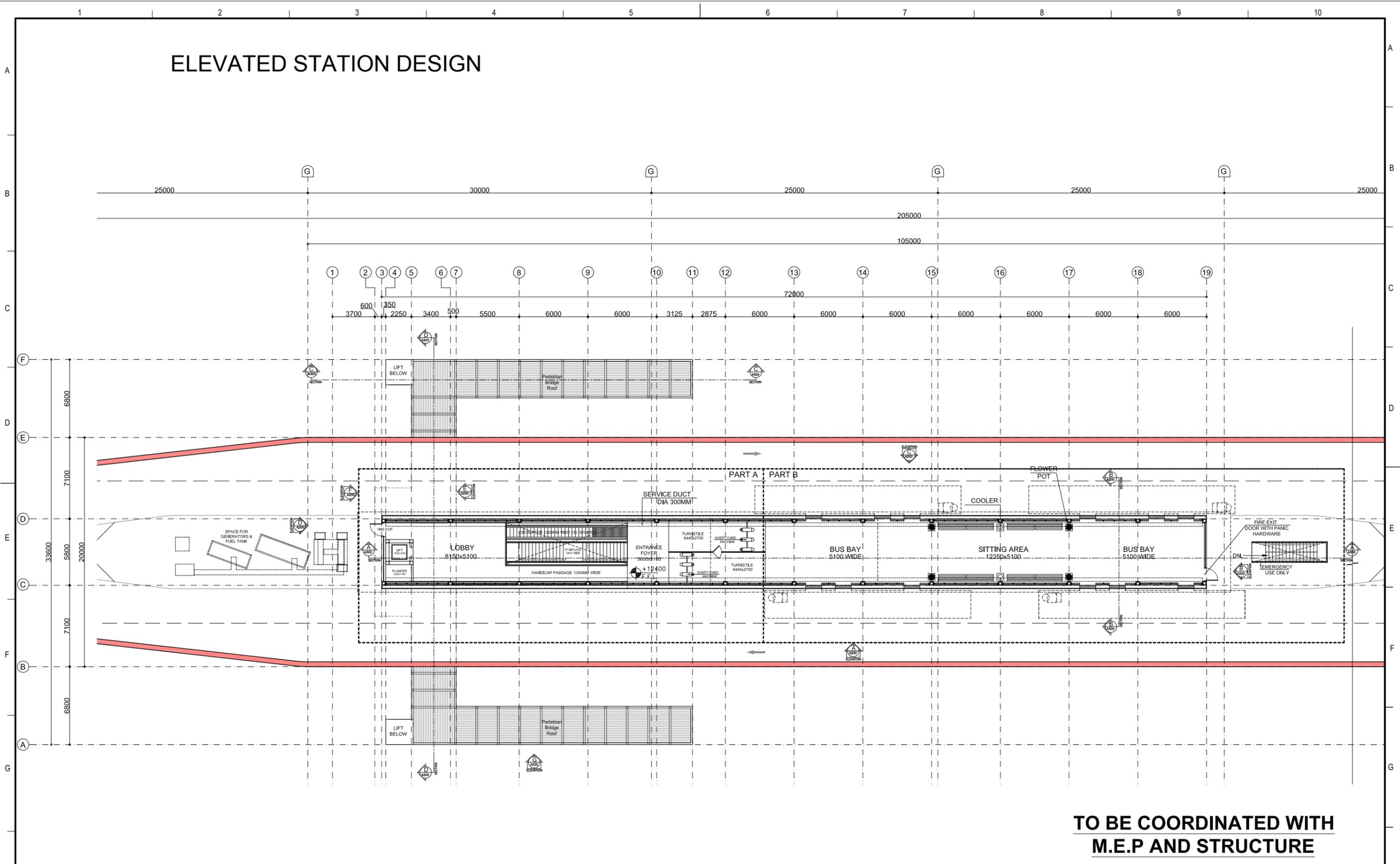
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Checked by:	FATIMA ZEHRA AUSAT	Plot No.:		Project No.:	2730		
Coordinated By:	SYED AQUIL AHMED	Rev No.:	C1	Dwg No.:	A101		
Design By:	FARYAL KHAN	Electronic File Name:	2730-1-1-3-A1001				

Consultant:



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ISLAMABAD RAWALPINDI LAHORE MULTAN Faisalabad
PAKISTAN PAKISTAN PAKISTAN PAKISTAN PAKISTAN

ELEVATED STATION DESIGN



**TO BE COORDINATED WITH
M.E.P AND STRUCTURE**

Client:  **MULTAN DEVELOPMENT AUTHORITY**
GOVERNMENT OF THE PUNJAB

Project: **CONSTRUCTION OF METRO
BUS SYSTEM MULTAN**

S.No.	Date	Issuance	Checked	Issued	S.No.	Date	Revisions	Drawn	Checked
C1	July,15	INCREASED STATION WIDTH FROM 4.2M TO 5.8M							
C0	May,15	ISSUED FOR CONSTRUCTION DRAWING							

Building Name: **ELEVATED STATION
NORTHERN BY PASS**

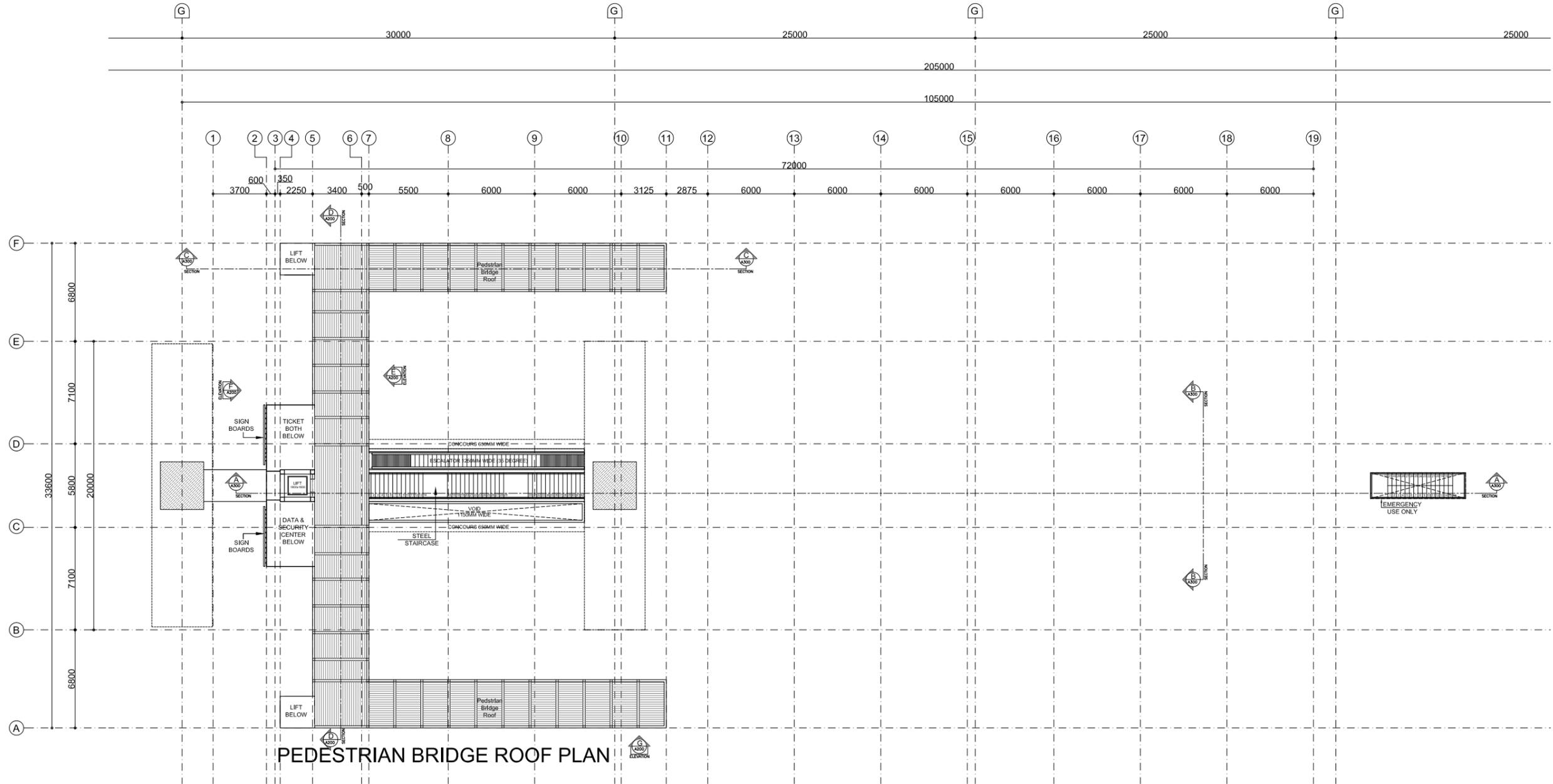
Drawings Title: **ARCHITECTURE
STATION LEVEL PLAN**

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Checked by: FATIMA	Plot No: ---	Project No: 2730	
Coordinated By: AQUL	Rev No: C1	Dwg No: A103	
Design By: FAYRAL	Electronic File Name: 2730-1-4-3-A1001		

Consultant:  **OSMANI**
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PAKISTAN PAKISTAN PAKISTAN PAKISTAN PAKISTAN

Drawing file path & name: \\STORAGE-SERVER14 - In-Progress\2730-Bus Rapid Station Multan_01-Stations 04-Northern By Pass Elevated Station_1 Arch_03_Construc\2730-1-4-3-A1001.dwg
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ELEVATED STATION-DATA CABIN/CENTER AND TICKET BOOTH



**TO BE COORDINATED WITH
M.E.P AND STRUCTURE**

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Client:  **MULTAN DEVELOPMENT AUTHORITY**
GOVERNMENT OF THE PUNJAB

Project: **CONSTRUCTION OF METRO
BUS SYSTEM MULTAN**

S.No.	Date	Issuance	Checked	Issued	S.No.	Date	Revisions	Drawn	Checked
C1	July,15	INCREASED STATION WIDTH FROM 4.2M TO 5.8M							
C0	May,15	ISSUED FOR CONSTRUCTION DRAWING							

Building Name: **ELEVATED STATION
NORTHERN BY PASS**

Drawings Title: **ARCHITECTURE
PEDESTRIAN BRIDGE ROOF PLAN**

Called By: KAMRAN	Date: April-15	Scale: 1:150	Job File: OCL100
Checked by: FATIMA	Plot No: ---	Project No: 2730	
Coordinated By: AQUL	Rev No: C1	Dwg No: A102	
Design By: FAYRAL	Electronic File Name: 2730-1-4-3-A100C1		

Consultant:  **OSMANI & COMPANY (PVT.) LTD.**
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Addendum No1 to Tender Document

DEVELOPMENT, IMPLEMENTATION, OPERATIONS AND LONG-TERM MAINTENANCE OF PROVEN GLOBALLY DEPLOYED AUTOMATED FARE COLLECTION & BUS SCHEDULING SYSTEM (AFC-BSS) FOR MULTAN METROBUS SYSTEM AND FEEDER ROUTES



THE PUNJAB MASSTRANSIT AUTHORITY

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URL: www.pma.punjab.gov.pk



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

"DEVELOPMENT, IMPLEMENTATION, OPERATIONS AND LONG-TERM MAINTENANCE OF PROVEN GLOBALLY DEPLOYED AUTOMATED FARE COLLECTION & BUS SCHEDULING SYSTEM (AFC-BSS) FOR MULTAN METROBUS SYSTEM AND FEEDER ROUTES"

, issued and uploaded on August 30, 2015. The contents of this addendum shall supersede/replace pages 11, 22, 23, 31, 55, 59 and 64 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

www.ppra.punjab.gov.pk

4. Headings and Titles

In this document, headings and titles shall not be construed to be part thereof or be taken into consideration in the interpretation of the document and words importing the singular only shall also include the plural and vice versa where the context so requires.

5. Notice

5.1 In this document, unless otherwise specified, wherever provision is made for exchanging notice, certificate, order, consent, approval or instructions amongst the Contractor and the Purchaser, the same shall be:

5.1.1 in writing;

5.1.2 issued within reasonable time;

5.1.3 served by sending the same by courier or registered post to their principal office in Pakistan or such other address as they shall notify for the purpose; and

5.1.4 The words "notify", "certify", "order", "consent", "approve", "instruct", shall be construed accordingly.

6. Tender Scope

6.1 Punjab Masstransit Authority (PMA), Government of the Punjab (The Purchaser), invites/requests Proposals (hereinafter referred to as "the Tenders") for the Development, Implementation, Operations, and Long-Term Maintenance (on turnkey basis) of proven, globally deployed Automated Fare Collection and Bus Scheduling System (AFC-BSS).

6.2 In the first phase, the AFC-BSS solution needs to be rolled out for approximately 21 stations of Metrobus (1 platform at each station, and 6 turnstiles at each platform) having off-board ticketing and 11 feeder routes having onboard ticketing, on which 100 mini-buses will be operated. As a policy, one (01) validator shall be provided in Mini buses and two (02) in standard buses. In Phase I, only 100 mini buses with 100 validators and 100 driver consoles having GPS trackers will be operated on the 11 feeder routes. The AFC vendor is also required to ensure sale of cards and recharge of card at twelve (12) localities specified by the PMA on the feeder routes in the city, either by setting up their own offices/shops or through collaboration with already established offices/shops or combination thereof. The AFC vendor is also required to provision and maintain fifteen (15) handheld ticket validators for spot checking, to facilitate PMA assigned ticket inspectors.

6.3 The Purchaser intends to augment the existing system by adding the following components in subsequent phases within the first three (03) years from the commencement of operations.

- 300 Driver Consoles having GPS trackers and 515 validators for (300 additional buses (215 standard and 85 mini buses) on other feeder routes in the next phases)
- 15 additional sale points on other feeder routes
- 20 additional handheld ticket validators for spot checking

The Contractor upon receiving a written order from the Purchaser shall incorporate the additional services into the existing system. Payments for the additional services shall be made against quoted rates on prorated basis from the date of commissioning for the remainder of the contract. If such phases are undertaken by the Purchaser after three (03) years of

52. The Contractor's representative shall visit the country of bus manufacturer and fully coordinate with Bus Service Provider and manufacturer for installation of Driver Console Units/Onboard Bus Units (OBU), Validators and fare evasion system in buses. The fare evasion system will only be installed in feeder buses and must be able to detect entry and exit of passengers. It shall generate an indication in the Driver Console /Onboard Bus Unit (OBU) to inform the driver when any passenger Taps-in the smart card.

53. The Purchaser intends to augment the existing system by adding the following components in subsequent phases within the first three (03) years from the commencement of operations.

- 300 Driver Consoles having GPS trackers and 515 validators for (300 additional buses (215 standard and 85 mini buses) on other feeder routes in the next phases)
- 15 additional sale points on other feeder routes
- 20 additional handheld ticket validators for spot checking

The Contractor upon receiving a written order from the Purchaser shall incorporate the additional services into the existing system. Payments for the additional services shall be made against quoted rates on prorated basis from the date of commissioning for the remainder of the contract. If such phases are undertaken by the Purchaser after three (03) years of commencement of operations, the Contract may be extended accordingly with mutual consent of both parties. However, during such extension(s) of the Contract the payment shall be made at quoted rates on prorated basis.

10. Key Service-level parameters

Any breach of defined service levels will entail penalties which shall not exceed more than 10% of the monthly payments to the Contractor. Service level parameters are outlined in Annexure-J.

11. Revenue collection and payment mechanism

1. An escrow account shall be opened by the PMA in the Bank of Punjab. **The escrow account will be jointly operated by authorized representatives of PMA, the AFC-BSS Service Provider, and Bus Operator.**
2. The contractor shall arrange printing of the cards/tokens, based on card/token design specified by PMA
3. Sale of tickets (cards/tokens) shall be the responsibility of the contractor.
4. For activation and subsequent recharging of cards (Smart cards) and tokens, the contractor shall arrange "Bulk Initialization Machines (BIM)", and place BIMs at premises specified by PMA.
5. BIMs, and/or top-up/Point of Sale (POS) machines will only initialize/top-up media if there is sufficient balance available. Contractor must first transfer sufficient balance amount into the Government Escrow Account, and the Bank of Punjab will subsequently notify e-credit to be made available to the AFC-BSS service provider for charging of BIM/POS machine.

6. Payments from the Escrow Account will be made to Bus Operator based upon agreed policies, formulas, and reconciliation reports from AFC-BSS.
7. Payments from the Escrow Account will also be made to AFC-BSS Service Provider.
8. If there is surplus balance in the Escrow Account, the amount will be retained by PMA. If there is deficit in the Escrow Account (that is, the two service providers cannot be paid) then PMA will pay the deficit amount from its own account.
9. Regular third-party audit (financial as well as technical) to be made an integral part of the project

12. PMA Responsibilities

1. Provide fare structure, user roles, and business rules to AFC-BSS service provider
2. Provide AFC-BSS service provider necessary project site so that AFC-BSS service provider can perform its obligations in a timely manner
3. Attempt to grant timely approvals and make timely payments
4. Contract signing, Contract Payments and monitoring project operations

13. Key components of the solution

13.1 Turnstiles

All PMA stations will have guarded entry and exit enforced via turnstiles. However, the choice of turnstiles proposed must be governed by factors including robustness, reliability, maintainability, cost effectiveness and conformance to international standards and safety of passengers.

Turnstiles have been proposed on every station which makes the total of approximately 126 operational turnstiles at any given time. Each station will have one platform, with 6 turnstiles 3 each for entry and exit.

In-order to ensure there are no ticketless travelers within the system, the bidder shall provide manpower at turnstiles at all times during operations.

13.2 Validators

Each turnstile needs to be equipped with validator(s) for each type of media to be used. As a policy, on feeder routes each mini bus needs to be equipped with one(01) validator and each standard bus needs to be equipped with two(2) validators for onboard ticketing through RFID Smart card. The Validator in the bus shall be used both for Tap-in and Tap-out.

13.3 Fare Media / Tickets

RFID Smart Cards (stored value) for long term planned repeated journeys is a must, coupled with passenger registration module. For short/occasional or single journeys **on metrobus system only**, Bidder must propose adequate solution based on re-usable RFID cards or RFID tokens.

Required number of cards/tokens necessary to efficiently serve passenger volumes must be in stock with the chosen vendor at all points of time – this is must to ensure that no shortages of fare media occur at any given time. At no point should the tickets/tokens be short at any PMA

complies with the following conditions:

- a. The Tenderers may form a joint venture of maximum four Tenderers/bidders. An Agreement Deed **legally executed to that effect, or a Memorandum of Understanding (MOU)**, signed by all the partners shall be submitted with the bid.
- b. One partner of formulated joint venture will be designated the lead partner and would be get into legal contract with Purchaser and would be liable to incur liabilities, receive payments and receive instructions for and on behalf of any or all partners. A power of attorney to that effect, legally executed, signed by all the partners shall be submitted with the Tender/bid.
- c. There must be at least one locally registered company (Partner) of good repute, with relevant experience and proven track record, in the joint venture.
- d. All the partners shall be jointly and severally liable for the execution of the Contract in accordance with the terms and conditions of the Contract. The Tender, and in case of successfully qualifying both technical and financial evaluation, the Contract Deed, to that effect, shall be signed by the lead partner.
- e. Partners other than the lead would also be bound by the terms and conditions of the contract.
- f. No partner of the formulated Joint Venture can be replaced or removed without the prior approval of the Purchaser.

18. Examination of the Tender Document

The Tenderer is expected to examine the Tender Document, including all instructions and terms and conditions thereof.

19. Amendment of the Tender Document

19.1 The Procurer may, at any time prior to the deadline for submission of the Tender, at its own initiative or in response to a clarification requested by the Bidder(s), amend the Tender Document, on any account, for any reason. All amendment(s) shall be part of the Tender Document and binding on the Bidder(s).

19.2 The Procurer shall notify the amendment(s) in writing to the prospective Tenderers.

19.3 The Procurer may, at its exclusive discretion, amend the Tender Document to extend the deadline for the submission of the Tender, in which case all rights and obligations of the Procurer / Purchaser and the Tenderers previously subject to the deadline shall thereafter be subject to the deadline as extended.

20. Preparation / Submission of Tender

20.1 The Tenderer is allowed to bid for complete services only.

20.2 The Tenderer is not allowed to bid for partial services.

20.3 The Tender and all documents relating to the Tender, exchanged between the Tenderer/bidder and the Purchaser or Procurer, shall be in English. Any printed literature furnished by the Tenderer/bidder in another language shall be accompanied by an English translation which shall govern for purposes of interpretation of the Tender.

20.4 The Tender shall be submitted accompanied by the prescribed Forms, Annexes, Schedules, Charts, Drawings, Documents, Brochures, Literature, detailed design, operations and maintenance plan and detailed project plans with milestones etc. which shall be typed, completely filled in, stamped and signed by the Tenderer or his Authorized Representative. In case of copies, signed and stamped photocopies may be submitted.

74. Special Stipulations

SCHEDULE-A, SPECIAL STIPULATIONS	
For ease of Reference, certain special stipulations are as under:	
Tender Security	<p>The Contractor shall furnish the Tender Security as under:</p> <p>in the form of Bank Guarantee, issued by a scheduled bank operating in Pakistan, in the name of the Procurer, as per the format provided in the Tender Document; for a sum of Ten (10) Million; denominated in Pak Rupees;</p> <p>Have a minimum validity period of one hundred and eighty days (180) from the last date for submission of the Tender or until furnishing of the Performance Security, whichever is later</p>
Performance Security	<p>The successful Contractor shall furnish Performance Security as under:</p> <p>within ten (10) working days of the receipt of the Acceptance Letter from the Purchaser;</p> <p>in the form of a Bank Guarantee, issued by a scheduled bank operating in Pakistan, as per the format provided in the Tender Document to the Purchaser;</p> <p>denominated in Pak Rupees;</p> <p>Have a minimum validity period of one year from the date of Award Notification or until the date of expiry of yearly support period.</p> <p>The technically and financially successful tenderer submit a sum equivalent to 10% of the one (01) year contract value, on a yearly basis, with an undertaking to renew the Bank Guarantee before the end of each year, one month before the expiry period of the submitted bank guarantee.</p>
Start operation of Services after installation, configuration, deployment, commissioning, testing, and training	Fully functional AFC-BSS setup for 21 stations of PMA and 11 feeder routes within 120 Calendar Days from the issuance of LOA.
Liquidated damages for failure / configuration of Services by the Contractor	If the Contractor fails / delays in performance of any of the obligations, under the Contract / violates any of the provisions of the Contract / commits breach of any of the terms and conditions of the Contract the Purchaser may, without prejudice to any other right of

	items 1 through 13 above – for 6 years (software support, maintenance of equipment, data network, and overall responsibility of solution)		
15	Operations at Ticket Sales Offices and at Turnstile Locations (Including cash handling)	At least 1 person for ticket sales and at least 1 person for access control at turnstiles (per shift at each station) at all times during PMA bus operating hours.	
16	Operations in Buses (Including cash handling)	1 person for ticket sales, card sales, passenger facilitation, guidance etc (per shift in each bus) at all times during PMA bus operating hours for initial three (03) months of operations.*	
17	Operations in Sale Points (Including cash handling)	1 person for card sales and recharge facility (per shift at each sale point) at all times during PMA bus operating hours.*	

The mandatory requirements given above must be adhered to in order to qualify for evaluation against the criteria given. The component quantities marked as * will be used for feeder routes operations.

	<p>recharge facility at 12 PMA designated localities on feeder routes in the city, to facilitate passengers on feeder routes</p> <p>(including but not limited to setting-up, provisioning and maintaining all hardware, software, data communication, network, security components, top-up/POS machines, card sale, card recharge etc.)</p> <p>1 person for card sales and recharge facility (per shift, in each sale point) at all times during PMA operating hours)</p>	
9	<p>Monthly Service Charges for provisioning and maintaining 15 handheld ticket validators for spot checking, to facilitate PMA assigned ticket inspectors</p>	
10	<p>Monthly Service Charges for placing human resources for passenger facilitation, guidance, securing installed validator etc in 100 mini-buses on feeder routes for initial three(03) months of operations</p> <p>1 person for passenger facilitation/guidance/ticket sales/card sales etc (per shift, in each bus) at all times during PMA operating hours)</p>	
TOTAL		Y

* **Monthly service charges (Y)** must remain same throughout the contract period except for Sr. No 10 that will be applicable only for first three (03) months of operations unless the Purchaser extends the requirement in writing.

Important note:

- i. The financial bid is inclusive of all applicable taxes, as per Laws of the Government of Pakistan, but is exclusive of all Sales Tax on Services which shall be added by the Purchaser over and above the quoted amount, as applicable/required under the relevant Tax Laws, to arrive at the contract price. Accordingly, the Contract Price shall be subject to adjustments for change in rate of Sales Tax on Services as and when applicable.
- ii. Installation of equipment along with successful testing and commissioning will be the responsibility of bidder for which bidder may not propose price separately.
- iii. No advance payments will be made. Monthly payments will be made on a prorated basis by the Purchaser taking into account the number of stations and number of buses for which AFC-BSS has been successfully provisioned.
- iv. New stations and/or on-board bus modules may be added at any time during the contract period at the same average monthly service charge (per Station, per bus, as the case may be) as mentioned above in Price Table.

Date _____

Place _____

(Company Seal)

In the capacity of

Signature of authorized person
Name: