

Tender Name "DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF AUTOMATED FARE COLLECTION SYSTEMS OF AHMEDABAD METRO RAIL PROJECT PHASE-1" Clarification to Queries received From 29.12.2016 to 09.01.2017					IFB No. MEGA/S&T/AFC-01	
Tender Notification No: MEGA/S&T/AFC-01 Clarification Set-05 dated 11.01.2017						
Sl. No.	Part No./Section	Clause No.	Page No.	Tender Conditions	Tenderer's Query	MEGA's Clarifications/Response
1	Part 2/Section VI	3.2.1.6	PS-20	CMC Card Data Specs	Has the CMC Card Data Specs been finalized? Is the BRT contactless smart card data layout also CMC compliant and can it be used for Metro?	Minimum Standards & Specifications of NCMC are available on website of Ministry of Urban Development, Govt. of India ( <a href="http://moud.gov.in/division_work_allocation/urbantransport/mobilitycard">http://moud.gov.in/division_work_allocation/urbantransport/mobilitycard</a> ). Please refer to Appendix P of PS for general understanding. This gives an extract of BRTS specifications, which cover details of fare media. Successful Bidder will liaise with BRTS AFC system contractor for Interoperability between Ahmedabad Metro Rail and Ahmedabad BRTS for fare media. Tender Conditions Prevail.
2	Part 2/Section VI	3.2.3	PS-21	Interoperability	Is interoperability of other smart cards by BRT/AMT and other transport services for future provision?	The AFC system of Ahmedabad Metro Rail Project Phase-I is proposed to be interoperable with Ahmedabad BRTS AFC system from the first day of its operation. Tender conditions prevail.
3	Part 2/Section VI	3.2.2.3	PS-21	The Fare Policy	Does the proposed AFC solution need to cater for all the fare structures mentioned or MEGA will decide on 1to be supported?	Please refer clause no. 3.2.2.2 and 3.2.2.3 (PS-21). The fare policy is not yet decided. MEGA will provide the element to the successful bidder when the fare structure and policy is decided. Tender Conditions Prevail.
4	Part 2/Section VI	3.2.3.4	PS-22	Bank	Is Clearing House and Bank interface for future provision?	No, Your understanding is not correct. Bank interface is not future provision and it has to be implemented from the beginning. It is not related with only CCHS. However, Clearing House is a provisional item. Operation and execution of CCHS will be decided during implementation. Tender Conditions Prevail.
5	Part 2/Section VI	4.1.2.2	PS-30	Media Types	Which of the 5 specified media types are for future provision?	Clause no. 4.1.2.2 (PS-30) is self explanatory. However, bidder need to design for all types of fare media as described in various clauses of PS, e. g. clause no. 5.4 (PS-146). Tender Conditions Prevail.
6	Part 2/Section VI	4.3.15	PS-38	Basic Requirement	Is reloading of interoperable transport network, internet, mobile application, payment wallets and other mode of payment for future provision?	No, Your understanding is not correct. Tender Conditions Prevail.
7	Part 2/Section VI	4.6.2(4)	PS-41	Integration with other service providers	Does the proposed AFC solution need to cater for the fare promotions and loyalty schemes of other transit service providers?	Clause no. 4.6.2 (PS-41) is self explanatory. Tender Conditions Prevail.
8	Part 2/Section VI	4.6.8	PS-42	Park and Ride Management	What are the requirements of this other than provision of entry and exit barriers?	Please refer Appendix Q (PS-526) along with its addenda and clarifications. Tender Conditions Prevail.
9	Part 2/Section VI	4.7.3	PS-42	Time Synchronization	Is the master clock system mentioned in 4.7.1the same as the master clock of OCC? It is not advisable for the AFC equipment to have 2 different master clocks in the system as we will not know which clock value to take in the event that the 2 master clocks are out of sync.	Yes, Your understanding is correct. All AFC equipments shall be synchronized with date and time of the master clock system provided by Telecom Contractor at OCC. Tender Conditions Prevail.
10	Part 2/Section VI	5.1.1.4.1	PS-44	FG Requirements	There are 2 conflicting performance requirements on Exit AG.The 1st mentioned 40 passengers per minute while the 2nd mentioned 50. Please clarify .	No, Your understanding is not correct. It is clarified that capacity of admitting 40 passengers per minute is with a mixture of "Type A" and "Type C (Felica)" CSC and CST, whereas capacity of admitting 50 passengers per minute is with a mix of "Type A" and "Type C (Felica)" CSC only. Tender Conditions Prevail.
11	Part 2/Section VI	5.1.2.1	PS-45	Automatic Fare Gates	It was mentioned that for this project, three types of gates shall be delivered . However, the subsequent paragraph listed 5 types. Please clarify.	No, Your understanding is not correct. All 5 types of gates mentioned in clause no. 5.1.2.1 are to be provided. Please refer Addendum no. 02, ANNEXURE-9 dated 07.11.2016.
12	Part 2/Section VI	5.1.2.13	PS-46	Automatic Fare Gates	What does it mean by 7 days for online and 30 days for offline. Please elaborate.	Online: Automatic Fare Gate will store 7 days data while it is in network. Offline: Automatic Fare Gate will store 30 days data while it is not connected with network over and above 7 days online data.
13	Part 2/Section VI	5.1.2.4	PS-46	Automatic Fare Gates	Please clarify what are the types of EMV smart media that the automated gate should perform auto top up?	This shall be decided during design phase and after finalization of business rules. Tender Conditions Prevail.
14	Part 2/Section VI	5.1.2.4	PS-46	Automatic Fare Gates	Is "Auto Top Up" functionality at Gates for future provision? Clause 5.3.2.38 specifies that it is for future provision for add value at central server.	No, Your understanding is not correct. This functionality is not future provision. Clauses are self explanatory. Tender Conditions Prevail.
15	Part 2/Section VI	5.1.4.22	PS-77	TOM Methods of Payment	Please clarify if "MEGAs Contactless Smart Card" refers to the MEGA AFC system contactless smart card to be implemented in the project.	Yes, Your understanding is correct. Tender Conditions Prevail.
16	Part 2/Section VI	5.1.6.11	PS-81	TVM	TVM requires to give change in notes and coins but only accept notes and credit/debit cards as payment. The proposed TVM from XXXX does not have note recycling unit and coin hoppers. Can we counter proposed (eg, no note recycling)?	Bidder is required to comply the Employer's technical & functional requirements. However, the bidder is free to propose deviations/alternate technical solution. Tender Conditions Prevail.
17	Part 2/Section VI	5.1.6.30	PS-83	TVM	Can power-coated mild steel instead of stainless steel be acceptable?	Tender Conditions Prevail.
18	Part 2/Section VI	5.1.6.39	PS-86	TVM	Is the use of the main LCD display for maintenance acceptable?	Tender Conditions Prevail.
19	Part 2/Section VI	5.1.6.39 r) i)	PS-93	TVM banknote acceptance	Is the minimum number of denominations 5 or 6?	Minimum number of denominations are 6. It is clarified that as mentioned in Para 5.1.6.10 (PS-81) and 5.1.8.10 (PS-99), Banknote validators shall be configurable to accept up to any 6 types of bank notes out of the prevailing denominations from time to time. Tender Conditions Prevail.
20	Part 2/Section VI	5.1.8.4	PS-99	RCM	Does the RCM need to interface with the external add value system for reload done on the internet?	Clause no. 5.1.8.4 (PS-99) is self explanatory. Tender Conditions Prevail.

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21	Part 2/Section VI	5.1.10	PS-102	ENQ	The ENQ features are a subset of RCM. To save cost, can do without ENQ?	Tender Conditions Prevail.
22	Part 2/Section VI	5.1.15.2	PS-110	SCU independent of particular product or platform	Please clarify as the SCU software has to be developed on specific operating system and/or middleware.	Clause no. 5.1.15.2 is self explanatory. Tender Condition Prevail.
23	Part 2/Section VI	5.2.6.1 (Viii)	PS-119	SCU	Please confirm that HA is not required, as in the event of power failure, HA will not be of help. Only redundant power supply unit to be provided.	No, Your understanding is not correct. HA is required to eliminate single points of failure. Tender Conditions Prevail.
24	Part 2/Section VI	5.3.2.35	PS-136	Central Computer Data Storage	Is it 7-5 million transactions or 10 million transactions per day as per clause 5.1.1.4.5?	It is clarified that CC shall be able to perform 10 million transactions per day.
25	Part 2/Section VI	5.3.2.39 ii)f)	PS-138	WEB Application	Is Automatic top-up of CSC using Standing Instruction for future provision as per Clause 5.3.2.28 of central server?	No, Your understanding is not correct. Mode of Top-up for Contactless Smart Media, excluding tokens explained in clause no. 5.3.2.38 (PS-137) is part of this contract. Tender Conditions Prevail.
26	Part 2/Section VI	5.4.1.1(1)	PS-146	Types of Fare Media for CST	Will there be 2 types of CST i.e. Type A and Type C in the AFC system or will only of the 2 types be selected?	Bidder is required to submit his proposal complying the requirements mentioned in PS. Tender Conditions Prevail.
27	Part 2/Section VI	5.4.1.1(2)	PS-146	Types of Fare Media for CSC	Will there be 2 types of CSC i.e. Type A and Type C in the AFC system or will only 1 of the 2 types be selected?	Bidder is required to submit his proposal complying the requirements mentioned in PS. Tender Conditions Prevail.
28	Part 2/Section VI	5.4.2.2	PS-147	Ticket Media	Please clarify which of the 6 ticket media types are for future provision. Specifically, is EMV as a ticket media referring only to "dual interface EMV smart cards" where there is 1 interface for contactless purse for metro use and a second interface for contact or contactless media usable on other EMV terminals within the country or internationally?	Various ticket types mentioned in clause no 5.4.2.2. are proposed for use. Functionality of EMV ticket media shall be decided during design phase. Tender Conditions Prevail.
29	Part 2/Section VI	5.4.3.10 (3)	PS-148	Group Ticket	How will the amount and traffic generated by the use of group tickets tracked in the AFC reports if these are not processed at the gates?	It is clarified that clause no. 5.4.3.10 (3) refers to group ticket issued by AFC system, which is required to be validated at Gate only. Hence, AFC system shall have the required details. Please refer sl. no.15, clarification set-02 dated 25.11.2016.
30	Part 2/Section VI	5.3.2.44 & 5.3.2.45	PS-177	Power Supplies and Liaison with Employer and 3rd Parties	Should these 2 sections be continuing from page 142 for central servers?	Please refer sl. no. 01, clarification set-03 dated 03.12.2016.
31	Part 2/Section VI	13.8.7 Xi)	PS-278	Knowledge Transfer for Software	Is the Mobile Ticketing Application for future provision?	No, Your understanding is not correct. Clause no. 13.8.7 (PS-278) is self explanatory. Tender Conditions Prevail.
32	Part 2/Section VI	Appendix H	PS-361	Schedule for KD3	The hardware and software for all the 6 stages will be the same. Can the FAT be done once instead of repeating the same tests multiple times?	Please refer clause no 9.2.8 (GS-96). Tender Conditions Prevail.
33	Part 2/Section VI	Appendix Q	PS-526	Parking System	We presume an approximate parking space of a) 100 Four wheelers & 200 two wheeler per standard stations and b) 200 Four wheelers & 400 Two wheelers Matera, Kalupur Rly Station, Gujarat University, Ghee Kanta and Vadaj Stations	The work of parking system is provisional & will be decided during implementation stage. However, the bidder may propose his solution keeping in view the possible availability of space at the stations. Bidders may verify the locations physically or through maps.
34	Part 2/Section VI	Appendix Q	PS-526	Parking System	We presume One Entry & One Exit for the Standard Station (a) above and Two Entry & Two Exit for balance stations (b) above	Bidder is required to design his system based on Employer's requirements and indicate his conditions in the technical proposal. Tender Conditions Prevail.
35	Part 2/Section VI	Appendix Q	PS-526	Parking System	The parking arrangement at Depot will not have any payment mechanism and shall be for the internal use of the MEGA staff only	Yes, Your understanding is correct. Parking inside the depot will be for MEGA staff and shall not be chargeable.
36	Part 2/Section VI	Appendix Q	PS-526	Parking System	The external parking payment thru Cash, Credit/Debit card etc. shall not be routed the AFCSystem	The required parking system shall be interfaced to Ahmedabad Metro AFC System to get an integrated (Metro Parking) system. Bidder has to propose his own system design as per Employer's requirement
37	Part 1/Section III	-	EQC-13	Web Services via Internet	The web portal shall be developed be developed thru Suitable software developers. We request you to kindly remove the minimum sub contractor criteria for the Web services via internet.	It is clarified that minimum criteria to be met by Sub contractors/Manufacturers mentioned in sl. no 1 & 3, clause no. 2.5 (EQC-13) includes a simliar analogous system work in which the equipment/application is used.
38	Part 1/Section III	-	EQC-13	Communication cable & Power cables	The Communication & Power cables shall be laid thru a sub contractor who has already worked in any package in Metro/Monorail/Sub Urban rail/LRT/Tramway/BRTS projects	Your understanding is generally correct. It is clarified that minimum criteria to be met by Sub contractors/Manufacturers mentioned in sl. No 2, clause no. 2.5 (EQC-13) includes a simliar analogous system work in which Communication & Power cables are used.
39	Part 2/Section VI	1.7	PS-475	Station Server	Please provide the specifications for the LAN equipments such as switches and routers.	Please refer Appendix P of PS for general understanding. This gives an extract of BRTS specifications.
40	Part3/Section IX	-	CF-16-18	Parent Company Undertaking	To face to possible change of industrial context of companies or group of companies as per the permanent market evolution in our segment, and as per our experience in previous metro contracts in India (DMRC), we have issued the PCU from the Parent Company on the basis of an obligation to inform the Employer in the event of sales, transfer, assign the ownership of the Contractor. Please confirm that the PCU stating the obligation for the Parent Company to inform the Employer in the event of sales, transfer, assign the ownership of the Contractor shall fulfill the purpose.	Your understanding is generally correct. Tender Conditions Prevail.
41	Part3/Section IX	-	CF-19-21	Parent Company Guarantee	Since this Contract is based on a Lump Sum priced Contract, please confirm that the PCG shall be limited to an amount not exceeding the Contract price (options inclusive).	Your understanding is generally correct. Tender Conditions Prevail.
42	Part 2/Section VI	5.4 Media description	PS-146	The CSC shall be with a minimum of 8KB of memory and compliant to ISO 14443 Type A and Type C (JIS X 6319-4) having 3-DES data encryption or advanced methods and shall have a minimum composite security certification CC EAL 4 or higher.	We request you to please amend this clause as "8 KB/ 4 KB". 4 KB is sufficient for this project's requirement.	Tender Conditions Prevail.
43	Part 2/Section VI	APPENDIX H KEY & ACCESS DATES	PS-361	-	Based on the analysis, Key dates is very limited. We therefore request you to kindly reschedule these dates postponement of KD for EW/1 and NS/1 as follows; - KD1 28W - KD2 40W - KD3 108W	Key dates will remained unchanged as mention in clause no. 3 Schedule of Key Dates (PS-361). Please refer sl.no. 132, Clarification set 01,dated 07.11.2016. Tender Conditions Prevail.
44	Part 2/Section VI	Appendix L 1.1	PS-448	-	We request you to share the site office with other contractor. (ex. Signalling, PSD/PSG) Because of cost and employer's convenience.	Cost of site office is inclusive in the price for this contract and the Bidder has to quote the price accordingly at Milestone B9 of Section MS of Price Schedules. The requirement is explained in Clause No. 1.1 of Appendix L at Page No. PS-448 of Particular Specifications. Tender Conditions Prevail.