

**PUNE METRO - P1AFC01/2019 -DESIGN, MANUFACTURE, SUPPLY, INSTALLATION, TESTING & COMMISSIONING AND COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CAMC) OF EMV BASED OPEN LOOP AUTOMATED FARE COLLECTION SYSTEM FOR PUNE METRO RAIL PROJECT AND INTEGRATION WITH OTHER PUBLIC TRANSPORT SYSTEMS PROJECT**  
**Bidders' Queries Response - Corrigendum IV**

S.No.	Volume	Clause No.	Brief Clause Description	Applicant's Query / Suggestion	Response of Maha Metro
1	Part2 : Work requirement Technical Specification	-	Gates General Functional Requirements	To be added Gate should be certified from third party with standards like Low voltage directive 2014/35/EU, Machinery Directive 2006/42/EG, EMC directive 2014/30/EU The Gate shall comply with CE certification compliance with EN 61000-6- 2(2006-03) EN 61000-6- 4(2007-09) EN 60204-1 (2007-06) <b>Justification</b> <i>There shall be some directives &amp; standard AG should be certified for better reliability</i>	Tender condition prevails
2	Part2 : Work requirement Technical Specification	-		To be added The Combination of a Direct drive Brush-less DC Motor with in-built resolver shall make it a Drive with no wear & tear components. Additionally the absence of limit Switches & Slip Clutches to ensure low wear and tear of mechanical parts to provide trouble free operation w/o the need for constant maintenance. Justification :- Gate drive technology should be mentioned as it is the important part for long lasting motor reliability	Tender condition prevails
3	Part2 : Work requirement Technical Specification	-		To be added MCBF: 10 million cycle Duty cycle: 100% <b>Justification: Life cycle of gate must be defined for region like Pune</b>	Tender condition prevails
4	Part2 : Work requirement Technical Specification	-		To be added Company should be ISO9001:2015 & ISO14001:2015 Justification: <b>OEM credential &amp; local manufacturing</b>	Tender condition prevails
5	Part2 : Work requirement Technical Specification	-		To be added Motor power consumption Std lane: 50 Watts Wide lane: 120 Watts <b>Justification:Power consumption is important, lower power consumption will save cost on UPS, power rating needed and overall AFC solution</b>	Tender condition prevails
6	Part2 : Work requirement Technical Specification	-		To be added Presence: OEM should have experience in supply of AG over 10years and should have factory setup in India for for producing Gates and entrance control products and should have local design engineering, manufacturing, spares, service support. AG to be manufactured in India with at least 45% of indigenous components. <b>Justification: Local content policy to support Make in India</b>	Refer Annexure to corrigendum IV S.N.1

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7	Annexure to corrigendum II Page 13 of 33	1.5 Agent Middle Man	Submission Requirement: Forms ELI 1.3	The Form ELI 1.3. is not available in the RFP ,Could you please clarify?	Please refer Part 1 – Bidding Procedures Section IV – Bidding Forms - 18 Form of Declaration for non-engagement of any agent, middleman or intermediary for 1.5 Agent and middle man.
8	Part2 : Work requirement Technical Specification	6.3 Cloud Hosting & 6.2 Central Computer (CC)		Please confirm that the central computer system server will be on premise whilst  Central Backoffice AFC system and DR System will be on hosted on a public cloud server.	AFC back office architecture depicted in RFP is for illustration purpose. Bidder may propose their own architecture during design phase meeting the functional requirement
9	Corrigendum II			Understand from corrigendum II that MAHA- Metro Co branded prepaid card shall be read as store value /card balance of NCMC card" 1. Does Maha Metro Co Branded prepaid Cards refer to all prepaid cards referenced in the tender?	Maha Metro Co Branded Prepaid Card refer to NCMC Cards issued from Metro premises.
10	Part2 : Work requirement Technical Specification	4.1.4 10.3.1 13.3.1	Multi-Usage smart media NFC Mobile Wallet:  Emulation of Co- Branded Prepaid/Debit/Credit cards  Mobile wallet issue by FI	Understanding from Corrigendum II , Mobile E-Wallet is equivalent to card host balance and that MAHA-Metro Co branded Prepaid cards shall be read as store value/card balance of NCMC Card"  1. Is emulation of store value /Card balance of NCMC card required? 2.What is the deference between "emulation of cards" and mobile wallet issued by FI"? for mobile wallet issued by FI , is a different payment mode expected?	1. Emulation of store value/card balance is not required. 2. Emulation of cards implies virtual representation of card (Host card emulation) on NFC enabled mobile phones. Mobile wallet issued by FI will be payment media for purchase of QR ticket and recharge of card.
11	Bidder Queries Response- Corrigendum II	S.No. 219	Non Personalized Card will be issued from TOM counters, Personalized cards will be issued through banking Channel.	1. Other Than the Personalization of Personal Information on the cards, does personalized and non-personalized card have the same specification and will operate with the same business rule and security model?	Bidder understanding is correct.