

**Bidding documents of “Design, Manufacture, Supply, Installation, Testing and Commissioning,
Maintenance of NCMC EMV based Automatic Fare Collection System based on PPP Revenue model”**

ADDENDUM NO: 01, DATED 01-04-2022

Sl. No.	Part/ Volume	Page No.	Clause No.	Clause Description (relevant portion) as existing in the Tender Documents	Clause Description (relevant portion) as amended now to be read as
1	Volume 2 - Employers Requirement - Particular Specification (PS)	215-216	APPENDIX-2.3	APPENDIX-2.3 AFC system Key Dates for Surat Metro Rail Phase-1, (W=Weeks)	Please refer Annexure -1 for APPENDIX-2.3 AFC system Key Dates for Surat Metro Rail Phase-1, (W=Weeks)
2	Volume 2 - Employers Requirement - Particular Specification (PS)	14-15	2.2	2.2. Scope of Work 2.2.2.1. Procurement, Personalization and Issuance of contactless NCMC EMV smart cards & other fare media for Employer ticketing and payment for goods and services outside Employer transit in line with the National Common mobility card Specifications.	2.2.2.1. Procurement, Personalization and Issuance of contactless NCMC and EMV smart cards & other fare media for Employer ticketing and payment for goods and services outside Employer transit in line with the National Common mobility card Specifications. Issuance of GMRC cobranded NCMC from its station premises shall remain only with the successful Bidder for entire contract period.
3	Volume 2 - Employers Requirement - Particular Specification (PS)	17	2.2.3	2.2.3. The AFC system design shall meet the Surat Metro Rail Phase-I requirement for handling at least 80 stations (expandable further up to 256 station but not to be limited by any configuration parameter). The Central system shall be scalable and integrated for Gujarat metro future extensions (for data handling capacity as well as number of lines / stations / equipment and smart cards by addition of extra hardware/up gradation of existing hardware).	2.2.3. The AFC system design shall meet the Surat Metro Rail Phase-I requirement for handling at least 38 stations (expandable further up to 256 station but not to be limited by any configuration parameter). The Central system shall be scalable and integrated for Gujarat metro future extensions (for data handling capacity as well as number of lines / stations / equipment and smart cards by addition of extra hardware/up gradation of existing hardware).

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4	Volume 2 - Employers Requirement - Particular Specification (PS)	150	18.3.9. Point no. (v)	(v) Capability to process Contactless Smartcards, EMC Cards, other Transport Fare Media, Contactless Smart Tokens. etc.	(v) Capability to process Contactless Smartcards, EMV and NCMC Cards, other Transport Fare Media like QR, NFC etc., as prescribed in tender conditions.
5	Volume 2 - Employers Requirement - Particular Specification (PS)	84	6.1.1	6.1.1. Central BackOffice shall be the heart of the AFC system where all the AFC functional activities are performed. Central Back office system shall be hosted in a server physically located at GMRC premises.	6.1.1. Central BackOffice shall be the heart of the AFC system where all the AFC functional activities are performed. Central Back office system shall be hosted in a server physically located at GMRC premises or on a Cloud Service Provider Approved & Empanelled by MEITY for all National Government Compliances.
6	Volume 2 - Employers Requirement - Particular Specification (PS)	223	APPENDIX 6-Transport for the Employer and Engineers	APPENDIX 6-Transport for the Employer and Engineers	APPENDIX 6-Transport for the Employer and Engineers - Deleted
7	Volume 1 Section 3: Eligibility and Evaluation Criteria	45	Table: Eligibility Criteria for Financial Institutions (FI) (Prime Bidder): No 1	1. The Prime Bidder should be a Bank/payment scheme in India which is included in the second schedule of the Reserve Bank of India (RBI) Act, 1934.	1. The Prime Bidder shall be a Scheduled Bank under Second Schedule to the RBI Act / Payment bank licensed as per Payment Bank by RBI under Section 22 in the Banking Regulation Act.

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8	Volume 1 Section 3: Eligibility and Evaluation Criteria	45	Table: Eligibility Criteria for Financial Institutions (FI) (Prime Bidder): No 4	4. FI should have the experience of handling channels of payment gateways (web, mobile, etc.), processing NEFT/RTGS, IMPS, ATMs, IVR, SMS, UPI etc.	4. FI should have the experience of handling channels of payment gateways (web, mobile, etc.), processing NEFT/RTGS/IMPS/ ATMs/ IVR/SMS/UPI etc.
9	Volume 1 Section 3 Eligibility and Qualification criteria	45	Table: Eligibility Criteria for Financial Institutions (FI) (Prime Bidder), No - 5	5. FI should have the experience of co-branding card services with other organizations/institutions?	5. FI should have the experience of co-branding card services with other organizations/institutions OR should have issued digital cards to customers.
10	Volume 1 Section 3 Eligibility and Qualification criteria	45	Table: Eligibility Criteria for Financial Institutions (FI) (Prime Bidder), No - 7	7. The FI should have the experience of deploying & managing EMV based smart card system	7. The FI/ Consortium should have the experience of deploying & managing EMV based smart card system.

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11	Volume 1 Section 4: Bidding Forms (BF)	56	PQ FORM 3: Response to Eligibility Criteria for Financial Institution (FI) (Prime Bidder): No 2	2. The Prime Bidder should be a Bank/payment scheme in India which is included in the second schedule of the Reserve Bank of India (RBI) Act, 1934.	2. The Prime Bidder shall be a Scheduled Bank under Second Schedule to the RBI Act / Payment bank licensed as per Payment Bank by RBI under Section 22 in the Banking Regulation Act.
12	Volume 1 Section 4: Bidding Forms (BF)	56	PQ FORM 3: Response to Eligibility Criteria for Financial Institution (FI) (Prime Bidder): No 5	5. FI should have the experience of handling channels of payment gateways (web, mobile, etc.), processing NEFT/RTGS, IMPS, ATMs, IVR, SMS, UPI etc.	5. FI should have the experience of handling channels of payment gateways (web, mobile, etc.),processing NEFT/RTGS/IMPS/ATMs/IVR/SMS/UPI etc.
13	Volume 1 Section 4: Bidding Forms (BF)	56	PQ FORM 3: Response to Eligibility Criteria for Financial Institution (FI) (Prime Bidder): No 6	6. FI should have the experience of co-branding card services with other organizations/institutions?	6. FI should have the experience of co-branding card services with other organizations/institutions OR should have issued digital cards to customers.

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14	Volume 1 Section 4: Bidding Forms (BF)	56	PQ FORM 3: Response to Eligibility Criteria for Financial Institution (FI) (Prime Bidder): No 8	8. The FI should have the experience of deploying & managing EMV based smart card system	8. The FI/ Consortium should have the experience of deploying & managing EMV based smart card system.

Sl. No.	Part/ Volume	Page No.	Clause No.	Clause Description (relevant portion) as existing in the Tender Documents	Clause Description (relevant portion) as amended now to be read as
15	Volume 1 Section 3 Eligibility and Qualification criteria	46	Table: Eligibility Criteria for AFC Provider, S No - 3 (3.1)	<p>3.1) AFC providers should have experience of Design, Supply and Commissioning of contactless card AFC system in a Metro/Light Rail/Mono Rail/Tram/ Suburban stations/BRTS as following:-</p> <p>(a) Must have completed ONE work as stated above of minimum value or equal to INR 110 Crore</p> <p>Or</p> <p>(b) Must have completed TWO work as stated above each of minimum value or equal to INR 70 Crore</p> <p>Or</p> <p>(c) Must have completed Three work as stated above each of minimum value or equal to INR 55 Crore</p> <p>Note: Experience specified above that should be satisfactorily and substantially completed (at least 80%) as a prime contractor, joint-venture member or Sub-Contractor during last seven (7) years ending last day of month previous to the one in which bids are invited.</p>	<p>3.1) AFC providers should have experience of Design, Supply and Commissioning of contactless card AFC system in a Metro/Light Rail/Mono Rail/Tram/ Suburban stations/BRTS as following:-</p> <p>(a) Must have completed ONE work as stated above of minimum value or equal to INR 110 Crore or minimum 30 stations.</p> <p>Or</p> <p>(b) Must have completed TWO work as stated above each of minimum value or equal to INR 70 Crore or minimum 20 stations.</p> <p>Or</p> <p>(c) Must have completed Three work as stated above each of minimum value or equal to INR 55 Crore or minimum 15 stations.</p> <p>AND</p> <p>Must have executed one Metro AFC System with AFC Gates for at least 10 stations.</p> <p>Note: Experience specified above that should be satisfactorily and substantially completed as a prime contractor, joint-venture/ Consortium member or Sub-Contractor during last seven (7) years ending last day of month previous to the one in which bids are invited.</p>

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16	Volume 1 Section 3 Eligibility and Qualification criteria	47	Table: Eligibility Criteria for AFC Provider, S No - 4	<p>Annual Average Turnover*</p> <p>Evidence :</p> <p>Minimum average annual turnover equivalent to Rs 45 crores* calculated within the last Three financial years ending 31st March 2021.</p>	<p>Annual Average Turnover*</p> <p>Evidence :</p> <p>Minimum average annual turnover equivalent to Rs 20 crores* calculated within the last Three financial years ending 31st March 2021.</p>

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17	Volume 1 Section 3 Eligibility and Qualification criteria	47	Table: Eligibility Criteria for other consortium members other than FI and AFC Provider, S No – 3	<p>Annual Average Turnover*</p> <p>Documentary Evidence :</p> <p>Minimum average annual turnover equivalent to Rs 45 crores* calculated within the last Three financial years ending 31st March 2021.</p>	<p>Annual Average Turnover*</p> <p>Documentary Evidence :</p> <p>Minimum average annual turnover equivalent to Rs 20 crores* calculated within the last Three financial years ending 31st March 2021.</p>

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18	Volume 1 Section 4: Bidding Forms (BF)	58	PQ FORM 4.1: Response to Eligibility Criteria for AFC Provider S No 3 (3.1)	<p>3.1) AFC providers should have experience of Design, Supply and Commissioning of contactless card AFC system in a Metro/Light Rail/Mono Rail/Tram/ Suburban stations/BRTS as following:-</p> <p>(a) Must have completed ONE work as stated above of minimum value or equal to INR 110 Crore</p> <p>Or</p> <p>(b) Must have completed TWO work as stated above each of minimum value or equal to INR 70 Crore</p> <p>Or</p> <p>(c) Must have completed Three work as stated above each of minimum value or equal to INR 55 Crore</p> <p>Note: Experience specified above that should be satisfactorily and substantially completed (at least 80%) as a prime contractor, joint-venture member or Sub-Contractor during last seven (7) years ending last day of month previous to the one in which bids are invited.</p>	<p>3.1) AFC providers should have experience of Design, Supply and Commissioning of contactless card AFC system in a Metro/Light Rail/Mono Rail/Tram/ Suburban stations/BRTS as following:-</p> <p>(a) Must have completed ONE work as stated above of minimum value or equal to INR 110 Crore or minimum 30 stations.</p> <p>Or</p> <p>(b) Must have completed TWO work as stated above each of minimum value or equal to INR 70 Crore or minimum 20 stations.</p> <p>Or</p> <p>(c) Must have completed Three work as stated above each of minimum value or equal to INR 55 Crore or minimum 15 stations.</p> <p>AND</p> <p>Must have executed one Metro AFC System with AFC Gates for at least 10 stations.</p> <p>Note: Experience specified above that should be satisfactorily and substantially completed as a prime contractor, joint-venture/ Consortium member or Sub-Contractor during last seven (7) years ending last day of month previous to the one in which bids are invited.</p>

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19	Volume 1 Section 4: Bidding Forms (BF)	59	PQ FORM 4.1: Response to Eligibility Criteria for AFC Provider S No 4	<p>Annual Average Turnover*</p> <p>Evidence :</p> <p>Minimum average annual turnover equivalent to Rs 45 crores* calculated within the last Three financial years ending 31st March 2021.</p> <p>(Value to be mentioned as per PQ Form-7)</p>	<p>Annual Average Turnover*</p> <p>Evidence :</p> <p>Minimum average annual turnover equivalent to Rs 20 crores* calculated within the last Three financial years ending 31st March 2021.</p> <p>(Value to be mentioned as per PQ Form-7)</p>

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20	Volume 1 Section 4: Bidding Forms (BF)	59	PQ FORM 4.2: Response to Eligibility Criteria for consortium members other than FI and AFC Provider S No 3	<p>Annual Average Turnover*</p> <p>Documentary Evidence :</p> <p>Minimum average annual turnover equivalent to Rs 45 crores* calculated within the last Three financial years ending 31st March 2021.</p> <p>(Value to be mentioned as per PQ Form-7)</p>	<p>Annual Average Turnover*</p> <p>Documentary Evidence :</p> <p>Minimum average annual turnover equivalent to Rs 20 crores* calculated within the last Three financial years ending 31st March 2021.</p> <p>(Value to be mentioned as per PQ Form-7)</p>

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21	Volume 2 - Employers Requirement - Particular Specification (PS)	122	8.4.1	<p>8.4.1. Employer's corporate banking requirements Employer has following corporate banking requirements</p> <p>1. Salary accounts – FI shall provide salary accounts to the employees that will be working with Employer (Surat Metro Rail Phase-I Employee). FI shall provide the corporate banking services for the contract period and Employer shall manage all funds for the metro operations through this corporate account.</p> <p>2. Two Number NCMC branding poster or standees (4X3 feet) per station at Ticket office area.</p>	<p>8.4.1. Employer's corporate banking requirements Employer has following corporate banking requirements</p> <p>1. Salary accounts – FI shall provide salary accounts to the employees that will be working with Employer (Surat Metro Rail Phase-I Employee). FI shall provide the corporate banking services (including Contract/Vendor Payment Services) for the contract period.</p> <p>2. The Employer shall provide a cumulative space of around 1000 Sq.ft. per station for marketing, advertising.</p> <p>3. The Employer shall provide Space for 1 ATM per station to the FI/Consortium during contract period.</p> <p>4. Advertisement right will be provided to the Consortium on the QR Code Ticket, on screen saver of TOM, TVM, Ticket reader, Recharge Card Terminal Machine (RCTM), AFC gate display and all type of tickets.</p>

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22	Volume 2 - Employers Requirement - Particular Specification (PS)	16, 18, 189	2.2.2.13, 23.4.6,	<p>2.2.2.13. AFC Contractor to provide all consumable for the operation of ticketing system up to Hardware DLP Period (6 Years).</p> <p>2.4.2.1.8. Station computers with printers, toners and printer papers upto Hardware DLP completion period (6 Years).</p> <p>23.4.6. Maintenance and Operation Roles and Responsibility:</p> <p>Sl.No. 4: Description: Operation consumable for 6 Years.</p> <p>Contractor's Role: Provide QR paper stationary, ticket receipt paper stationary, report printing paper stationary (A3, A4), Printer Cartridge/Toner/Ink etc.</p>	<p>2.2.2.13. AFC Contractor to provide all consumable for the operation of ticketing system from the date of revenue opening of the first station and shall continue to provide same till 2 years of revenue opening of the last metro station.</p> <p>2.4.2.1.8. Station computers with printers, toners and printer papers from the date of revenue opening of the first station and shall continue to provide same till 2 years of revenue opening of the last metro station.</p> <p>23.4.6. Maintenance and Operation Roles and Responsibility:</p> <p>Sl.No. 4: Description: Operation consumable 2 years, from the date of revenue opening of the first station and shall continue to provide same till 2 years of revenue opening of the last metro station.</p> <p>Contractor's Role: Provide QR paper stationary, ticket receipt paper stationary, report printing paper stationary (A3, A4), Printer Cartridge/Toner/Ink etc.</p>

Sl. No.	Part/ Volume	Page No.	Clause No.	Clause Description (relevant portion) as existing in the Tender Documents	Clause Description (relevant portion) as amended now to be read as
23	Volume 3 - Section 8 - Particular Conditions of Contract (PCC) Part B : Specific Provisions	48	Additional Clause-PC 12 Limitations on Revenue Collection from Surat Commuters	<p>Limitations on Revenue Collection from Surat Commuters</p> <p>a) The contractor would charge the commuters for Smart Cards issuance to the extent with a maximum limit of INR 150</p> <p>b) The contractor would not charge more than INR 12 or not more than 1.8% of transaction value as the transaction charges for Smart Cards recharge by commuters</p> <p>c) The top-up transaction fees would be limited to the amount as mentioned in the point "b" for all the modes of Smart Card Recharge available such as – Add Value Machines, Top-up through ATMs, Web or mobile based recharge or any other possible mode of Smart Card Recharge that would be made available to Surat commuters</p> <p>d) The annual card fees that would be charged to GMRC commuters would be limited by the maximum cap of INR 75</p>	<p>Limitations on Revenue Collection from Surat Commuters</p> <p>a) The contractor would charge the commuters for Smart Cards issuance to the extent with a maximum limit of INR 150</p> <p>b) The contractor would not charge more than INR 12 or not more than 1.8% of transaction value as the transaction charges for Smart Cards recharge by commuters and for digital payment modes.</p> <p>c) The top-up transaction fees would be limited to the amount as mentioned in the point "b" for all the modes of Smart Card Recharge/ All tickets bought through digital modes available such as – TOM/EFO/TVM/Add Value Machines, Top-up through ATMs, Web or mobile based recharge or any other possible mode of Smart Card Recharge that would be made available to Surat commuters</p> <p>d) The annual card fees that would be charged to GMRC commuters would be limited by the maximum cap of INR 75</p>

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24	Volume 2 - Employers Requirement - Particular Specification (PS)	7	Definitions:	<p>Acronym NCMC EMV CSC : Description NCMC EMV CSC is a dual Interface EMV cards with stored value in the pre-determined secure and dedicated area in the memory of the card and at the account level of bank as per the National Common Mobility Card transit specifications.</p>	<p>Acronym NCMC EMV CSC : Description NCMC CSC is a dual Interface EMV cards with stored value in the pre-determined secure and dedicated area in the memory of the card and at the account level of bank as per the National Common Mobility Card transit specifications.</p> <p>Additional Definitions : Acronym NCMC EMV Description NCMC EMV, wherever mentioned in this Bid Document, requires that NCMC and EMV both are to be implemented</p>

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25	Volume 1	5	NOTICE INVITING TENDER	<p>Volume-1:</p> <p>NOTICE INVITING TENDER</p> <p>Key Details and Program of the Tender: -</p> <p>SI No: 7 TENDER DOCUMENTS ON SALE /DOWNLOAD OF TENDER DOCUMENTS From 16-02-2022 (from 11:00 hrs) to 04-04-2022 (up to 12:00 hrs) on e-tendering website https://gmrc.nprocure.com. Tender document can only be obtained online after registration of tenderer on the website https://gmrc.nprocure.com. For further information in this regard bidders are advised to Contact No. +91 79 23248572, Extension 527</p>	<p>Volume-1:</p> <p>NOTICE INVITING TENDER</p> <p>Key Details and Program of the Tender: -</p> <p>SI No: 7 TENDER DOCUMENTS ON SALE /DOWNLOAD OF TENDER DOCUMENTS From 16-02-2022 (from 11:00 hrs) to 04-05-2022 (up to 12:00 hrs) on e-tendering website https://gmrc.nprocure.com. Tender document can only be obtained online after registration of tenderer on the website https://gmrc.nprocure.com. For further information in this regard bidders are advised to Contact No. +91 79 23248572, Extension 527</p>
	Volume 1	7	NOTICE INVITING TENDER	<p>Volume-1:</p> <p>NOTICE INVITING TENDER</p> <p>Key Details and Program of the Tender: -</p> <p>SI No: 15 LAST DATE AND TIME FOR RECIEPT OF E- TENDER: 04-04-2022, 15:00 Hrs.</p> <ul style="list-style-type: none"> Financial Bid is to be filled up on the online portal https://gmrc.nprocure.com as mentioned in financial bid submission Technical Bid is to be submitted physically at the address mentioned below & is also to be uploaded online at https://gmrc.nprocure.com 	<p>Volume-1:</p> <p>NOTICE INVITING TENDER</p> <p>Key Details and Program of the Tender: -</p> <p>SI No: 15 LAST DATE AND TIME FOR RECIEPT OF E-TENDER: 04-05-2022, 15:00 Hrs.</p> <ul style="list-style-type: none"> Financial Bid is to be filled up on the online portal https://gmrc.nprocure.com as mentioned in financial bid submission Technical Bid is to be submitted physically at the address mentioned below & is also to be uploaded online at https://gmrc.nprocure.com

Appendix to addendum-1

Revised Appendix 2.3 to PS (Key-date)

AFC system Key Dates for Surat Metro Phase-1						
Key Date	Description	Corridor 1 *			Corridor 2 *	
		Package 1CS-1	Package 1CS-2 & 1CS3 (UG 1 & UG2)	Package 1CS-4	Package 2CS-1	Package 2CS-2
KD1	Preliminary Design Submission including Engineer's NONO/NOSC	10 W	10 W	13 W	14 W	14 W
KD2	Final Design Submission including Engineer's NONO/NOSC	15 W	15 W	19 W	20 W	20 W
KD3	Completion of Factory Acceptance Tests for all hardware and software	31 W	31 W	35 W	36 W	36 W
KD4	Delivery of All AFC system equipment at project warehouse/site	47 W	47 W	51 W	52 W	52 W
KD5	Completion of Installation Acceptance Test (IAT) and Partial Acceptance Test (PAT) for AFC sub-systems with concurrence Engineer's NONO/NOSC by the Employer's representative	72 W	72 W	77 W	78 W	78 W
KD 6	Completion of System Acceptance Tests of AFC contract, Subsystems for Integrated Testing & Commissioning required for Service Trials	78 W	78 W	99 W	99 W	99 W

NOTE: -

1. Achievement of AFC key dates depends upon civil readiness/completion and availability of access to equipment rooms, control rooms, shaft, cable tray connectivity, AFC gate area etc. on or before JANUARY - 2023.

* **Corridor 1** - Package 1CS-1 - Dream City To Kadarsha Ni Nal (Including Dream City depot) , Package 1CS-2 & 1CS3 (UG 1 & UG2) - Gandhi Baug To Kapodara, Package 1CS-4 - Shri Swaminarayan Mandir Kalakunj To Sarthana

* **Corridor 2** - Package 2CS-1 -Bheshan Metro Station To Majura Gate (Including Bheshan depot), Package 2CS-2 - Udhana Darwaja To Saroli