CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING, NOIDA
MMG

Dated: 07/11/2024

CORRIGENDUM

Reference Tender No. EOI/NCMC/ITMS/01/2024-2025 dated 04/10/2024
Tender Id: 2024_DIT_828973_1

Subject: Invitation for Expression of Interest (EoI) for Empanelment of OEMs /Their Authorized Distributors/ Channel Partners Registered in India for Electronic Ticket Issuing Machines (ETIMs) and Point of Sale(PoS) Machines

Note 1: Bidder has to meet the Technical Specifications (as per EoI & all released Corrigendum thereafter) minimally (or as mentioned), else bidder may be disqualified from further evaluation.

Note 2:, Bidder is advised to refer the revised Technical Specifications as given under Appendix A and may ask their further queries/clarifications, if any, latest by 13th November,2024(3.00 pm) in the pre-bid query format as prescribed in the EoI document.

Revised schedule for document downloads and other events is given below:

The aim of this EoI is to empanel OEMs (or) their authorized Distributors/ Channel Partners of ETIM/Validators/PoS Machines registered in India for deployment of Centralized Automatic Fare Collection Systems developed by CDAC. Nature of Jobs/Services	Empanelment of OEMs and / (or) their authorized Distributor Partners of ETIM/Validators/PoS Machines registered in Ind interest in supply, installation, commissioning and ETIM/Validators/PoS Machines for implementation of C Automatic Fare Collection (CAFC) System developed by CDAC.
EoI Processing Fee (Non refundable Fee required at Stage I process at the time of bid submission)	Rs. 5900/- (Rupees Five Thousand Nine Hundred Only). Payme be done through online as per the account details given below: Name of the Beneficiary: Centre For Development of Advanced C Account Number: 171901000007860 IFSC Code: IOBA0001719 Bank Name: INDIAN OVERSEAS BANK Branch: SECTOR 58, NOIDA MSEs and Startups providing relevant certificates will be exem EOI processing fee.
Publishing Date	04/10/2024
Document download Start Date & Time	04/10/2024 at 4 PM

Date, Time & Venue for Pre-Bid Meeting	22/10/2024 from **11.00** AM onwards in Hybrid Mode (Online + 1. All the bidders must send their pre-bid queries in the desired f (Form -A) of this document by 25/10/2024 by EoD (End of Da lier. 2. Bidders can now seek their queries/clarifications by 13/11/2(3.00 pm.
Reply to additional Queries :	22/11/2024
Bid Submission Start Date & Time	27/11/2024 at 10 AM
Bid Submission End Date & Time	11/12/2024 at 3.00 PM
EoI Processing Fee submission last date	11/12/2024
Bid Opening Date, Time and Venue	12/12/2024 at 3 pm (ONLINE)
Bid Procedure	Single Cover (Technical Evaluation- Stage-I& Stage-II)
Bid Evaluation Criteria	Refer Instruction to Bidder section
Websites for downloading Tender Document, Corrigendum's, Addendums etc.	www.cdac.in, https://www.eprocure.gov.in/eprocure/app
Bid Validity	120 Days from the date of submission

Note 3: Please refer to Page 13 of EoI, Section V: ELIGIBILITY CRITERIA, Pre-Qualification Criteria-Table-I, Point (ii) for PoS Machines in Technical,

   Old Clause: MSEs and Startups producing relevant certificates must have supplied at least 2500 **ETIM** devices in any financial year during last 5 years.

   Revised Clause: MSEs and Startups producing relevant certificates must have supplied at least 2500 **POS** devices in any financial year during last 5 years.

Note 4: Below are the revised technical specifications:

Appendix A

1. Technical Specifications of OPEN LOOP ETIMs: (To be Filled by Vendor and OEM both on their Letter Heads)

S. No.	Parameter	Specification	Compliance(Yes/No)	Remarks
1	Application Processor [Note 1, 2, 3]	- 32/64bit processor - Multicore		Core: Core count: Base CPU utilization:
2	Operating System [Note 4, 5]	Android 7.0 or better and kernel version 4.0 or better		OS type & version:
3	Memory [Note 6, 7]	At least 1024MB + Base memory utilization; total memory to be a multiple of 512MB		Base memory utilization:
4	Storage [Note 8]	User/application storage requirements range from 4GB to 8GB; Upgrades must be available to satisfy the maximum requirements		Base storage: Stock free space: Upgrade options:
5	Secure Memory [Note 9]	Optional but preferred; if present, must be at least 1024B (preferred 2048B)		
6	SAM Slots	2 slots; ISO 7816 compliant		
7	Contactless Interface	HF (13.56MHz) interface with multiprotocol support - Mandatory ISO/IEC 14443-3 & 4 support - Mandatory EMV L1 support - Optional support for proprietary protocols for example Mifare, Desfire etc.		Optional support:

8	2D/QR Code Scanner [Note 10]	Scanner or Camera (at least 5MP) with auto focus - Mandatory support for scanning QR codes - Optional support for other 2D codes such as Aztec, Data Matrix etc - View finder or target indication feature		Scanner type: Scan time:
9	Audio	- Speakers with good audibility in noisy environments - Optional (preferred) volume control		Volume control: Audio formats supported:
10	RTC	RTC with separate power domain - Minimum accuracy = ±2s / day; - Desired accuracy = ±0.5s / day		Time difference one week after synchronization:
11	Communication – WAN	- Must support – 5G, 4G, & 3G (Indian telecom bands) - Dual SIM support		
12	Communication – LAN	Must support WiFi – 2.4/5 GHz, 802.11 b/g/n		
13	Bluetooth	v4.0 and above		
14	GPS	Optional (preferred)		Navigation System -
15	Display	- Display size must be at least 5 inches - Display resolution must be at least WVGA (480x768) - Display must have sunlight readability and brightness control		

16	User Inputs [Note 11]	- Mandatory capacitive touch interface with sufficient resolution to support complex UIs on unstable environments; - multi-function hardware buttons		
17	Indicators	Power/Charging/ Network Status indicator; Optionally (preferred), 1 or more user controlled LED indicators;		Indicator details -
18	Printer	- Thermal printer speed must not be below 50mm/s (preferred print speed is 70mm/s) - Must support multiple languages(English, Hindi and other Indian languages) /fonts for (English, Hindi and other Indian languages) and font sizes in a single print - Optional (preferred) paper presence sensor - Paper loading process must be fast and simple - Tear bar Support Required		Printer speed: Paper presence sensor:
19	Power Input	Wall adapter rated for Indian electrical sockets		
20	Battery [Note 11]	- Li-Ion/Li-Polymer or equivalent; - Battery capacity not less than 3400 mAh subject to an operational period of		Battery swapping possible?

		not less than 8 hours, under standard conditions; - Optionally, batteries may be swapped for extending lifetime;		
21	Environment	- Operating temperature (not charging): 0 to 50 degree C; - Operating temperature (charging): 0 to 40 degree C; - Storage temperature: -10 to 50 degree C;		
22	Physical Characteristics	- Must be rugged and resistant to shocks and rough handling; - Must be easy to grip and slip resistant; - A certain level of ingress protection is desired		Ingress protection rating
23	Accessories	Preferred list: - Gang chargers and/or docks; - On bus chargers (8-32VDC) - Extra battery packs; - Protective carry cases;		
24	Optional features	Support reading / writing on Mifare Cards (Classic, Plus, Desfire) - ISO/IEC 14443 Type-A 13.56 MHz contactless smart cards.		Closed loop cards
25	MTBF (Mean time between failures)	Please specify		
26	Mandatory Certifications: EMV L1	Please mention version & validity		Submit copy of Certificate

27	Mandatory Certifications: Rupay-qSPARC L2 Kernel	Please mention version & validity The following transaction types must be supported - Service update - Service Create - Money Add - Balance Update - Balance Inquiry - Online & Offline Purchase The following terminal types must be supported - Transit, Attended Offline with Online capability (92) and optionally Transit, Attended Offline (94)		Submit copy of Certificate
28	Other Certifications	PCI PTS v5.x or later		

Note 1: Deleted

Note 2: Deleted

Note 3: Deleted

Note 4: A better version must be interpreted to mean 'maintenance offered by developers till a later date'.

Note 5: OS must be hardened to reduce attack surfaces and patched against known exploits / vulnerabilities; this is especially true for older OS versions

Note 6: Base memory utilization is defined as the memory used (on average) as measured on a stock machine running no extra applications. A sample calculation is shown here. An Android device with the base memory utilization of 600MB will need an additional 1024MB of application memory giving a total of 1624MB; such a device should have at least 2048MB of memory (2048 being the nearest multiple of 512 greater than 1624).

Note 7: The following rules-of-thumb may be applied
- Terminals offering Android OS and 2GB RAM can be considered as compliant

Note 8: A terminal with a storage element of 4GB and a stock space utilization of 1.5GB, has 2.5GB free space satisfying the minimum storage requirement. Such as terminal must offer a upgraded 8GB storage option in order to satisfy the additional storage requirement.

Note 9: Secure memory refers to memory accessible only by privileged applications with automatic erasure on security breach

Note 10: Deleted .

Note 11: Unstable environments – A vehicle moving over an uneven surface is an illustrative example of an unstable environment vis-a-vis touch interface

Note 12: Standard Conditions – The standard test conditions may be characterized as follows

- WAN modem on for at least 50% of the time
- At least 800 paper tickets (10 lines each) issued
- Screen on for at least 50% of the time in high brightness, off for the rest;
- At least 400 Version 10 QR codes scanned
- At least 400 NCMC transaction done

Note 13: Detailed Specs and Brochures of the proposed ETIMs are to be submitted.

2. Closed Loop ETIM Specifications:

Processor	Application CPU: Single/Multi Core
Memory	1 GB RAM (or better) + 16 GB ROM (or better)
OS	Android 7.0 and above/**Linux**/Others (please specify)
Display	2-inch or better
Battery	Operational period of not less than 8 hours, under standard conditions; - Optionally, batteries may be swapped for extending lifetime;
Physical	Maximum Weight (g): 600 (including Battery)
Physical Key	Yes (Optional) ;
Printer	2 inch Thermal Printer;
Card Reader	Contactless Card Reader(MiFare, Desfire etc.)
Card Slots	1 * SIM + 2 * SAM Card Slots 2 * SIM + 1 * SAM Card Slots 1 Nano SIM + 1 Mini SAM
Communications	5G/4G/3G/2G, Serial Port/USB/WiFi
GPS	Built In (optional)
Power Input	Wall adapter rated for Indian electrical sockets
MTBF (Mean time between failures)	Please specify

3. Technical specification of Point of Sale (PoS)

Operating System	Android 7.0 and above
Processor	32/64bit processor, Multicore
Memory	At least 1024MB + Base memory utilization; total memory to be a multiple of 512MB
Storage	User/application storage requirements range from 4GB to 8GB; Upgrades must be available to satisfy the maximum requirements
Display	5.0 Inch 720 x 1280 Pixel Capacitive Touch Screen
Physical Keys	1 x ON/OFF Key	2 x Volume +/- Button
GPS	Built In (Optional)
Printer	2-inchThermal Printer Print Speed: 50mm/s
Communications	WiFi 2.4/5G, Supports Hotspot 5G/4G/3G Bluetooth 4.0 and above
Camera	5 Megapixels Auto Focus Rear Camera with optional LED Flashlight

Card Readers	Magnetic Card Reader | Smart Card (DIP) Reader | Contactless Card Reader
Battery	Rechargeable Li-ion Battery Battery capacity not less than 3400 mAh subject to an operational period of not less than 8 hours, under standard conditions; - Optionally, batteries may be swapped for extending lifetime;
Audio	1 x Speaker Volume 1 x Microphone
Physical	Maximum Weight (g) : 600 (Including Battery)
MTBF (Mean time between failures)	Please specify
Certifications	EMVCo Contact Level 1: V4.3d or later EMVCo Contact Level 2: V4.3h or later PayWave Visa Contactless level 2: V2.2b or later Mastercard Contactless Level 2: V3.1.2 or later PCI PTS: V5.x or later Mastercard Terminal Quality Management (TQM) EMV Contact-less L1 Rupay Contact-less qspark L2 Mastercard Paypass

4.

4. Additional Info (To be furnished for each proposed Hardware by Vendor and OEM on their Letter Heads)

S.No	Item	Description	Info to be Filled by Vendor	Remarks
1	Production capacity and product availability	Lead time of the product after order		
		Warranty/Guarantee Period of product		
		Lifecycle of the product		
		MTBF (Mean time between failures) of each proposed device		
		MTTR (Mean time to repair/replace failures) of each proposed device		
		Onsite Replacement/Repair time for Damaged/Malfunctional Products		
		Others		
2	Physical Properties	Dimensions		
		Weight		
3	Accessories ()			

5. Table for Vendor Info(To be Filled by Vendor and OEM on their Letter Head and signed by authorized person)

If the Vendor is Authorized Supplier registered in India

S.No	Item	Description	To be filled by Vendor	Remarks
1	Vendor Details	Name of the Vendor		
		If the vendor is authorized supplier		If the vendor is a authorized supplier / Distributor / Channel Partner then he has to provide all the mandatory certificates (like support and lifecycle for the offered product as per EoI terms in Pre-Qualification criteria from OEM also.)
		Registered Office Address		
		Head Office Address		
		OEM and Manufacturing country		
		OEM complete details		
		Supply Unit Address		
2	Company Stakeholders with complete details	MD or Equivalent		
		Other Senior Management		
		Contact person Details(Name/mail-d/contact no.)		
3	Legal entity of Vendor	Pvt. Limited		
		Joint Venture		
		LLP		
		Single Ownership		
4	Collaborators in the company and their share	Indian(%)		
		Foreign Collaborators(%)		
5	Role of Foreign Collaborator and their share/control	Finance		
		Transfer of Technology		
		Licensing/Proprietary/Patents		
		Others		

6	Product origin country along with complete details of OEM and experience			In addition to vendor OEM has to submit the certificates required by CDAC or Govt. Agency: Like Authorized vendor, Support of the product, no copyrights infringements issues etc.

Note – Here Vendor is referred as bidder under this table.

Response to Pre-Bid Queries:

Sr. No.	EoI Page No.	Section No.	Details Presenting EoI/BID Documents	Query/Suggestion/Clarification	CDAC Response
1	17	Section VI - Technical Qualification Criteria and Score Point No. 3	Experience in ETIM, machines deployment during the last 3 financial years ending 31st March,2024.	We request the Department to kindly clarify, in case for our query above where Android POS terminal meets the ETIM specification can we submit relevant POS experience and apply for both ETIM and POS categories?	**No Change. RFP Clause Prevails.** Experience criteria and technical specifications are two distinct factors in determining the score. Please refer to Appendix A Section 1: Technical Specifications of OPEN LOOP ETIMs: Particularly, point 26 Mandatory Certifications: Rupay-qS-PARC L2 Kernel. While POS may meet ETIM technical specifications, Experience of the bidder and deployment of machine cannot be compromised

					with relevant experience for ticketing in transit domain
2	18	Section VI - Technical Qualification Criteria and Score Point No. 5	The Bidder having experience of implementing and supporting AFC involving design, supply, installation, operation and maintenance of ETIM machines for public transport authority with fleet size of at least 100 buses in the last 5 years. (as on the last date of bid submission)	We request the Department to kindly consider lower weightage against this Qualification Criteria since this is unrelated to Hardware and is an optional requirement for this empanelment. Also. Since device OEMs never directly participate in AFC tenders and only supply hardware and related support.	Clause Modified as: The Bidder having experience of supply, installation, operation and maintenance of ETIM machines for ITMS/AFCS Project for public transport authority with fleet size of at least 100 buses in the last 5 years. (as on the last date of bid submission)
3	53	Annexure A: - 1. Technical Specifications of OPEN LOOP ETIMs	Technical Specifications of OPEN LOOP ETIMs	We request the Department to kindly clarify, if the ETIM specifications are met by the Android POS Terminal, can the same be considered as Open Loop ETIM?	Yes
4	59	Annexure A: - 3. Technical Specifications of Point of Sale (PoS)	Memory: 1GB DDR + 8GB eMMC 1 x Micro SD Card Slot, Supports Up To 128GB	We request the Department to kindly consider 2GB DDR + 16 GB eMMC as minimum for better long term performance.	Please Refer to Revised Technical Specifications in the Appendix A of this document
5	59	Annexure A: - 3.	Operating Sys-	We request the Department to	Please Refer

		Technical Specifications of Point of Sale (PoS)	tem: Android	kindly consider Android 10 as minimum operating system since Android 7 is obsolete.	to Revised Technical Specifications in the Appendix A of this document
6	59	Annexure A: - 3. Technical Specifications of Point of Sale (PoS)	Battery: 7.2V / 2600mAh Rechargeable Li-ion Battery	We request the Department to kindly consider 4000 mAh or above battery for better performance specially in rural/bad power supply areas. Since, larger batteries last longer their lifecycle is bette as well due to reduced Charge cycles.	Please Refer to Revised Technical Specifications in the Appendix A of this document
7	59	Annexure A: - 3. Technical Specifications of Point of Sale (PoS)	Physical: L x W x H (mm) : 175 x 82 x 62 Weight (g) : 410 (Including Battery	We request the Department to consider weight upto 500 Gms where higher battery capacity can be accommodated for better in field performance.	Please Refer to Revised Technical Specifications in the Appendix A of this document.
8	59	Annexure A: - 3. Technical Specifications of Point of Sale (PoS)	Additional Suggestion	We request the Department to kindly consider capability to connect External Antenna on the ETIM and POS devices for better in field performance	Given specifications are tentative in nature. Exact requirements may vary on case to case basis in future. External Antenna is not a mandatory requirement.
9	15	Eligibility Criteria Pre-Qualification Criteria - Table - I	Certification : The bidder should have a valid (i) CMMi Level 3 or higher OR (ii) ISO9001:2015 Certificate as on date of bid sub-	Since the requirement is for Supply of ETIMs and Related services like implementation and security of IT services along with Hardware and Manpower, We request and suggest to replace requirement of CMMi3 with ISO 20000 and ISO27000 certificates. These are more relevant for IT Project Implementation Perspective.	**Accepted.** Certification : The bidder should have a valid (i) CMMi Level 3 or higher OR (ii)

			mission		ISO9001:2015 OR iii)ISO20000: OR iv)ISO27000: Certificate as on date of bid submission
10	15	Eligibility Criteria Pre-Qualification Criteria - Table - I	Design the system as per the functional requirements of the Project. The life period of the system shall be upto 6 (six) years from the start of O & M phase and further extendable as per mutual agreement (in terms of selected technology, support for components, security considerations scalability and future upgrades, as per requirements of CDAC may examine this requirement depending on the client/business requirements and contract.	We request CDAC to clarify the expected period of service start from O & M phase. For state level project sometimes the project implementation and Go-Live may take 4 to 6 months or even higher from the date of supply of ETIM/POS. Since the scope of bidder is for Supply and Maintain of ETIMs and Manpower as well as other resources like training, will this period be considered as part of the services.	**No Change. RFP Clause Prevails.** Roll out & O&M period will depend on the client and varies from contract to contract. Therefore, tentative period is given and actuals will depend on final contract with prospective client (s) in future.
11	15	Eligibility Criteria Pre-Qualification Criteria - Table - I	The bidder must provide necessary manpower for onsite AMC and other services, if required in-	We request CDAC to clarify this scope manpower for this activity. As most of the corporations (both city and state)have their own team for Charging, Issuing of ETIMs as well as Collection of ETIMs at the depot.	Scope to provide manpower will be case on case basis. Bidder has to

			cluding charging, handling and maintaining ETIMs as per required SLA		provide manpower if required by client.
12	16	Eligibility Criteria Pre-Qualification Criteria - Table - I	Restrictions on procurement from vendor / manufacturer from countries sharing land border with India	We request CDAC to clarify if the raw material in the form of PCBs, Critical Plastics and some Sub-assemblies like raw material items are allowed to procure from the countries sharing land border with India. As we know that most of the Electronic Components and Raw material required for manufacturing in India still sourced from countries sharing land border with India.	**No Change. RFP Clause Prevails.** A bidder is permitted to procure raw materials, sub assemblies etc. from countries that share a land border with India. However, finished goods shall not be from such a country.
13	16	Eligibility Criteria Pre-Qualification Criteria - Table - I	The IP / Design / Patent should be in the name of the OEM who participate either directly or through their authorized Distributors / Channel Partners and not of any Subsidary / Parent Company	We request CDAC to re-consider this clause as most of the Indian OEMs even though manufacture and assemble products in India, Patents are not passed on to Indian Manufacture or OEM. Even through design of Firmware, Drivers, Development and Manufacture of parts and Assembly is done through Authorization.	**No Change. RFP Clause Prevails.** Idea is to avoid any IP Infringement issues. Hence Bidder is suggested to submit authorisation from the concerned authority on IP/Design/ Patent. This may be same as Manufacturer Authorization

					Form (An- nexure-X) on the same in case OEM holds own- ership; else, authorisa- tion from concerned is required along-with MAF Form (Annexure- X)
14	14	V. ELIGIBILITYCRI- TERIA; Pre-Qualific- ation Criteria-Table- I	Others: The bidder com- pany must have an average an- nual turnover of minimum One (1) Crore during the last three financial years. i.e. 2021- 2022,2022- 2023, 2023- 2024. The bidder company should have a positive net worth and re- corded profit during the last three financial years. i.e. 2021- 2022,2022- 2023, 2023- 2024	We request to please consider provisional certification for FY 23-24 certified by the auditor as the BS are still is under final audit.	**No Change. RFP Clause Prevails.** Audited statements of F.Y. 2023- 24
15	17	VI. Technical Quali- fication Criteria and Score:	3. Experience in ETIM, machines deployment during the last 3 financial years ending 31st March,2024.	We request to consider experi- ence in supply of handheld ter- minals like ETIMs for any of the Government projects so as to in- crease the participation.	Bidder's query not clear; how- ever, "EoI not bar- ring bidder to submit Government

					experience."
16	18	VI. Technical Qualification Criteria and Score:	5. Experience: The Bidder having experience of implementing and supporting AFC involving design, supply, installation, operation and maintenance of ETIM machines for public transport authority with fleet size of at least 100 buses in the last 5 years. (as on the last date of bid submission)	We request to consider experience in supply of handheld terminals like ETIMs for any of the Government projects so as to increase the participation.	Bidder's query not clear; however "EoI not barring bidder to submit Government experience."
17	57	Appendix A	26. Mandatory Certifications: Rupay-qSPARC L2 Kernel	We request to consider under process / renewal related declaration of the relevant certification.	No Change. RFP clause prevails. Not accepted since It will be a challenge, if bidder fails to achieve certification
18	59	Appendix A: 3. Technical specification of Point of Sale (PoS)	Physical: Weight (g): 410 (Including Battery)	We request to consider weight as min 550 grams.	Please Refer to Revised Technical Specifications in the Appendix of this document.
19	11	Scope of Work	Provide all necessary SDK and all Firmware / driver	We would request you to clarify whether our scope of work includes developing the software for the system, or if we are only required to supply the hardware on which the system, developed by CDAC, will be implemented?	"CDAC shall provide L3 and Transit App. Vendor shall provide all necessary SDK and all

					firmware/ driver/lib- raries and support for porting CDAC L3 and transit app on Hard- ware"
20	13	Eligibility Criteria Pre-Qualification Criteria-Table-I	i)For ETIM Ma- chines: The bid- der should have supplied at- least 500 ETIM devices in any financial year during last 5 years MSEs and Startups produ- cing relevant certificates must have sup- plied at least 250 ETIM devices in any financial year during last 5 years. ii)For POS Ma- chines: The bid- der should have supplied at- least 5000 PoS devices in any financial year during last 5 years. MSEs and Star- tups producing relevant certi- ficates must have supplied at least 2500 ETIM devices in any financial year during last 5 years.	i) We would request you to kindly consider experience of supply of at least 500 ETIM devices/ ATVM/ Kiosk in any financial year during the last 5 years. ETIM devices and ATVM kiosks offers similar functionality of providing tickets to travellers. Hence we would request you to consider our suggestion to ensure wider participation and better price discovery. ii) We would request you to kindly consider the bidder/ OEM should have supplied at-least 5000 POS devices in any financial year during last 5 years.	**No Change. RFP Clause Prevails.** ETIM is handheld device to is- sue tickets on Bus and Depots and validate tick- ets by in- spector.
21	Page	**V. ELIGIBILITY CRI-**	i) **For ETIM**	i) **For ETIM Machines:** The **bid-**	**No Change.**

	no. 13	**TERIA Pre-Qualification Criteria-Table-I**	**Machines:** The bidder should have supplied at-least 500 ETIM devices in any financial year during last 5 years MSEs and Startups producing relevant certificates must have supplied at least 250 ETIM devices in any financial year during last 5 years. ii)**For POS Machines:** The bidder should have supplied at-least 5000 PoS devices in any financial year during last 5 years. MSEs and Startups producing relevant certificates must have supplied at least 2500 ETIM devices	**der/OEM** should have supplied at-least 500 ETIM devices in any financial year during last 5 years MSEs and Startups producing relevant certificates must have supplied at least 250 ETIM devices in any financial year during last 5 years. ii)**For POS Machines:** The **bidder/OEM** should have supplied at-least 5000 PoS devices in any financial year during last 5 years. MSEs and Startups producing relevant certificates must have supplied at least 2500 ETIM devices **Justification:** The proposed changes aim to include both the bidder and OEM in the eligibility criteria, allowing a more competitive bidding process while ensuring high-quality products. This will enable companies without direct supply experience but with strong OEM partnerships to participate, ultimately benefiting the project with a wider pool of experienced suppliers.	**RFP Clause Prevails.** The Published EoI is for OEM / Channel Partners/ Authorized Distributors. Hence, OEM will be a bidder by default. The bidder has to comply with the requirements. Hence, no change. RFP conditions Prevail.
22	6	II.	Regarding Submission of Devices for Demo Purpose(Point 9th)	Details required pertaining to the parameters being covered during demonstration of the devices	Please refer to Point 9, Page 6. During the period of empanelment, CDAC may use the devices for demonstrations to various PTOs/ Authorities.

					CDAC may require empanelled party's support on device/firmware supplied etc. in case of any issue during this period.
23	6	II.	Regarding Additional Documents and Test Reports(Point 11th)	Details regarding what kind of additional documents and test reports will be required	During the evaluation, CDAC may ask for additional documents, if required, needed to justify the required capbilities. Additional Documents may be from Pre-qualifications, technical Evaluations, Product specifications etc.
24	6	II.	Regarding Royalty Rates or Quoted Price(Point 16th)	Some idea pertaining to the basis of royalty calculation(Fixed/ Slabs/Percenatge of txn value etc.) range of rates or prices will be of help basis the work/pro-position/or case to case basis	The same will be shared with the successful empan-elled party, whosoever brings op-portunity as per the EoI, case-on-case basis.

25	11	IV.(3)	Provide support for porting CDAC L3 and transit app on Hardware to be supplied, as applicable	Request to allow the POS vendor to provide its payment SDK if they have the capabililty, since if L3 app and Hardware is provided from the single vendor, there will be stability and synergy and will not require any additional certification	**No Change. RFP Clause Prevails.**
26	11	IV.(3)	Provide support for porting CDAC L3 and transit app on Hardware to be supplied, as applicable	Request to allow the POS vendor to facilitate in the payment processing or be the Payment Partner for the vendor or CDAC as a whole as this will allow for seamless transactions	**No Change. RFP Clause Prevails.** All options will be worked out case-on-case basis and will be decided by CDAC Evaluation committee at that time in line with actual requirements from prospective client(s) . However, tentative scope is already mentioned in the document.
27	14	**V**	**Regarding Positive Net Worth and Profit Recording in Last 3 years(In others section)**	**Additionally, request to consider companies which are positive in Adjusted PAT(Presently in FY 23-24)**	**No Change. RFP Clause Prevails.**
28	16	V	Restrictions on procurement from a vendor / manufacturer from countries	Request for waiver of this clause as most of the POS manufacturers currently operational are in countries sharing border with India.	**No Change. RFP Clause Prevails.** Waiver cannot be

			sharing land border with India.		provided.
29	16	VI	The bidder / OEM with foreign IP / Design/Patent.	Request for waiver of this clause too	**No Change. RFP Clause Prevails.**
30	17	VI	Experience in ETIM	Bidder should be allowed to be considered for Open Loop/ Closed Loop ETIM project at later stage, even if current Bid Submission is under POS category	**No Change. RFP conditions Prevail.**
31	18	VI	The bidder should have executed work orders with any Government Transport departments with fleet size of atleast 100 buses	As a POS provider should be allowed to participate if supplied at-least 5000 POS devices in any financial year during last 5 years. Should be considerd if any partner of the bidder must have executed order of this scale across any segment.	No Change. RFP Clause Prevails. Requirement is of ETIMs in ticketing and not POS machine. Only Bidder's experience will be counted
32	38	Annexure 6. (9)	CV(s) of Key Personnel	Please exclude the same as we are not clear on the reason for this clause s inclusion. Further, any project implemementation with SRTUs may have involvement of different Key Personnels.	**No Change. RFP conditions prevail.** This should not be an issue with the vendor. Hence No change
33	38	Annexure 6. (8)	Capability Statement	Need extended timeline for this statement submission while presentation/demo. And also more details to be furnished from CDAC s end regarding capability statement	**No Change. RFP conditions prevail.** Time is already extended.

					Should not be an issue now
34	40	Annexure 6(g)	An overview of the human resources of the Organization	What details pertaining to human resources are required here.	Key resource personnel involved in ETIM/e-ticketing/AFC business showing Name, Designations, Total Experience, Relevant experience, Roles & Responsibilities in the company.
35	60	Appendix A. (5)	Lifecycle of the product	Need clarity on this what is the meaning of lifecycle	**Here, lifecycle means the ETIM machines which will be supplied by successful empanelled parties should be working as per client's expectations (case-on-case basis) for the entire project duration without failure.** Idea is not to become dumping ground or

					use the machines which cannot be supported for the duration as requested in EoI
36	60	Appendix A. (5,6)	Additional Info and Table for Vendor Info	Should suffice if provided by vendor in case bidder is the vendor. Hence, information from OEM should not be required	**No Change. RFP conditions prevail.** Not acceptable since Life cycle support cannot be guaranteed without OEM. Similarly, for other certificates which are in the name of OEM
37	8-9	III	Deployment of Reliable,Secure and cost effective uniform CAFC solution for all the PTOs across the nation.	How is CDAC going to ensure the penetration of CFAC in the PTO market? Will there be any rate contract for selected vendor to work with SRTUs on nomination basis(without tender)	Details on Market penetration will be shared only with successful party getting empanelled through this EoI. Business models may vary case-on-case basis.
38	8-9	III	Requirements for PoS Machines in retail as well as transit sector and CDAC may enhance its	What will be the benefits of this empanalment to bidder in case of AFC Solution by SI other than C-DAC	Bidder will not only be supplying ETIM hardware but also may be part of over-

					all delivery case-on-case basis. Besides this, the empanelled party may market their ETIM with software from CDAC (after written approval) as a complete offerings without depending on 3rd party for software portion. other benefits will be detailed to empanelled parties case on case basis.
			software solutions for the same		
39	27/28	VII	Indemnification Clause	Need more clarity on the specific indemnity scenarios as the blanket indemninfication for all cases may not be possible for the Bidder.	No Change. RFP Clause Prevails.
40	10	III	Business Benefits	Need clarity on the business potential associated with the empanelment as that will help us to decide future course of action. What will be the process of getting associated with any SRTU post this empanelment?	Bidder will not only be supplying ETIM hardware but also may be part of overall delivery case-on-case basis. Besides this, the empanelled party may market

				their ETIM with soft-ware from CDAC (after written ap-proval) as a complete of-fering without de-pending on 3rd party for software portion. other bene-fits & pro-cesses will be detailed to empan-elled parties case on case basis.

OTHER TERMS AND CONDITIONS WILL REMAIN SAME.

HEAD (MMG)