

GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA



## MINISTRY OF TRANSPORT AND HIGHWAYS

### Invitation for Request for Proposals (RFP)

#### International Competitive Bidding

<b>Date :</b>	14 <sup>th</sup> July 2024
<b>Title :</b>	Request for Proposals (RFP) for the Provision for Build, Own and Operate (BOO) Electronic Fare Collection System (EPCS)
<b>Deadline for Submission of Bid :</b>	28.07.2024, 10.00 hrs. (Sri Lanka Standard Time)

1. The Ministry of Transport & Highways ("the Purchaser") is seeking sealed proposals from eligible bidders for Build, Own and Operate (BOO) implementation of an Electronic Fare Collection System (EPCS). The contract will last for a period of 10 years.

#### Project Overview

The Ministry of Transport and Highways in Sri Lanka is undertaking a transformative project to implement an Electronic Fare Collection System (EPCS). The initiative aims to transition from a cash-based fare collection system to a more efficient, contactless electronic system. The EPCS will be integrated across various modes of public transport, enhancing convenience for passengers and operational efficiency for the transport authorities. By leveraging modern technology, the project seeks to streamline fare payments, reduce operational costs, and improve the overall public transportation experience in Sri Lanka.

#### Project Objectives

- Enhancing passenger convenience by providing a seamless, contactless travel experience with various electronic payment methods, eliminating the need for cash and improving payment speed.
- Improving operational efficiency by automating fare collection, reducing cash handling, minimizing fare evasion (fare dodging), and enabling real-time transaction processing, leading to cost savings and better service quality.
- Ensuring security and compliance by incorporating robust data encryption, fraud detection, and adherence to international security standards and local regulations to protect transaction data.
- Supporting multimodal transport integration by facilitating seamless travel across different modes of public transport with an appropriate payment method, promoting public transport use and enhancing network connectivity.
- Providing comprehensive customer support including 24/7 helpline services, multilingual support, and a contactless interface to resolve fare-related issues and streamline passenger satisfaction promptly.

#### Scope of the Works

The Electronic Fare Collection System (EPCS) comprises different functions and components designed to streamline the fare collection process in public transportation. Its main function is to automatically calculate fares based on factors such as distance traveled, type of service, time of day, and pre-defined fare structures. The primary goal of the system development is to facilitate the integration of any mode of fare (BOO) system, support all payment methods, and ensure compatibility across various POS machine technologies and software applications. The proposed system needs to efficiently handle transactions across different modes, devices, and types of connectivity. Additionally, the system should be scalable, reliable, and compatible with future systems and components. It should also ensure the stability and security of data in user interaction methods and compliance. Access to transit data should be controlled/authorized parties with proper authorization and authentication to ensure necessary data protection.

- The proposed system should be capable of accepting multiple payment methods, such as contactless smart cards, mobile payments, QR codes, and traditional magnetic stripe cards.
  - The system must allow for real-time management of fare balances, including the ability to adjust balances and track transaction history.
  - It is essential to install devices at entry and exit points to read and validation smart cards or other payment tokens.
  - The system should provide easy-to-use self-service tools for purchasing and reloading cards, checking balances, and managing other customer interactions.
  - Development of necessary apps for managing accounts, checking balances, reloading cards, planning routes, and viewing transaction history.
  - The core system will serve as the primary hub to facilitate transactions, payments, monitoring, billing, and fare tables, and connecting with external banks, mobile payment apps, POS machines, and existing smart card reader machines.
2. International Competitive Bidding will be conducted in accordance with single stage two-envelope Bidding Procedures and is open to all bidders as described in the bidding documents.
3. Only eligible bidders with the following key qualifications should participate in the bidding:
- Bidder financial and technical capabilities qualify to participate in this Procurement.
  - Bidder must submit a comprehensive proposal that includes a detailed work plan, timeline, and methodology for executing the project.
  - Bidder must comply with all specified bidding procedures and documentation requirements as outlined in the bidding documents.
  - Bidder must not have been previously blacklisted or debarred by any government or international agency.
4. To obtain further information, eligible bidders should contact:

Senior Assistant Secretary (Development)  
Ministry of Transport & Highways  
1<sup>st</sup> Floor, Colombo - Stage II,  
Sri Lanka.  
Telephone : 011 2579207/ 011 2579194 Fax : 011 2579208  
Email : [mailing@transport.gov.lk](mailto:mailing@transport.gov.lk) Website : [www.moth.gov.lk](http://www.moth.gov.lk)

5. To inspect and purchase the bidding documents in (English) eligible bidders should contact through following number:

Ministry of Transport & Highways  
1<sup>st</sup> Floor, Colombo - Stage II,  
Sri Lanka.  
Telephone: 011 2579207/011 2579194/011 2579208/011 2579209  
[www.moth.gov.lk](http://www.moth.gov.lk)

- RFP can be purchased by payment of a non-refundable fee of Sri Lankan Ru. 100,000.00 per set to bank deposit to the "Account to the Ministry of Transport & Highways", Account No: 1600001000000000, Bank of Ceylon, Colombo 02, Sri Lanka.
  - Bidding documents will be issued during normal working days from 9:00 AM to 1:00 PM, at the address under Para. 5 above, from 15.07.2024 to 17.07.2024.
6. The Proposal should be delivered to following address at or before 1:00 PM, of 20<sup>th</sup> August 2024 together with original bid security described in the bidding documents. (Please put the name of the procurement in the top left hand corner of the envelope)

The Chairman, Cabinet Appointed Negotiation Committee (CANC),  
Ministry of Transport and Highways,  
1<sup>st</sup> Floor, Colombo - Stage II, Sri Lanka.

7. The pre-bid meeting will be held on 16<sup>th</sup> July 2024 at 10:00 AM (Sri Lanka Standard Time) at the Board Room, Ministry of Transport and Highways, 1<sup>st</sup> Floor, Colombo - Stage II, Sri Lanka. Prospective bidders should attend the pre-bid meeting at their own expense.
8. The bidder shall bear all costs associated with the preparation and submission of bid and the Employer will not be responsible or liable for those costs, regardless of the outcome of the bidding process.

#### The Chairman,

Cabinet Appointed Negotiation Committee,  
Ministry of Transport and Highways,  
1<sup>st</sup> Floor, Colombo - Stage II, Sri Lanka.