

SPECIFIC PROCUREMENT NOTICE
(Procurement of Goods)
E-Procurement Notice
(Two-Envelope Bidding Process with e-Procurement)

INDIA

Tamil Nadu Road Sector Project- II

Loan No.: 8499-IN

Contract Title: Supply, Installation, Commissioning and Maintenance of Automatic Speed Enforcement System and Advanced Traffic Management System in East Coast Road (ECR – SH49) from Akkarai (km 22/300) to Mamallapuram (km 56/700)

Reference No.: IN-TNRSP-94487-GO-RFB

1. The Government of Tamil Nadu (GoTN) has received financing from the World Bank toward the cost of the **Tamil Nadu Road Sector Project- II**, and intends to apply part of the proceeds toward payments under the contract for Supply, Installation, Commissioning and Maintenance of Automatic Speed Enforcement System and Advanced Traffic Management System in East Coast Road (ECR – SH49) from Akkarai (km 22/300) to Mamallapuram (km 56/700).

2. The Superintending Engineer, ICERS cell, Highways Department, Chennai-25for and on behalf of the Governor of State of Tamil Nadu, now invites online bids from eligible bidders for Supply, Installation, Commissioning and Maintenance of Automatic Speed Enforcement System and Advanced Traffic Management System in East Coast Road (ECR – SH49) from Akkarai (km 22/300) to Mamallapuram (km 56/700). The above proposed corridor is part of the East Coast Road (ECR) in Tamil Nadu state and has been built along the coast of southern India along the shore of the Bay of Bengal, connecting Tamil Nadu's state capital, Chennai with Kanyakumari via Pondicherry and Cuddalore. The Km 22/300 to 55/800 is a four lane divided highway and beyond Km 55/800 to Km 135/500 is two lane highway with hard shoulders. The above road safety initiative focused to develop a 34.4 km section of the ECR as the first demonstration safety corridor aimed at improving driver behaviour to reduce accidents and fatalities through automated traffic speed enforcement and automatic traffic management system. The above proposed stretch of the ECR which was recently upgraded to 4-lanes running from the Akkarai Sholingapur link road intersection to Mahabalipuram which incorporates the township of Kanathur, Uthandi, Panayur, Muttukadu, Kovalam, Vada Nemmeli, Pattipulam, Devaneri and finally Mamallapuram has been chosen for this safety corridor.

The above system has to be implemented with the following objective,

- ✓ To provide Automatic Speed Enforcement System (ASES) at Four (04) locations capturing vehicles on both directions at each location along project corridor with Speed Enforcement Camera linked to Speed Measuring Radar for capturing image of every vehicle traveling above threshold speed. Data shall be transferred to Central ITS Server via High Speed

Fiber Optic Backbone.

- ✓ To provide Automatic Video Incident Detection Systems (AVIDS) at Four (04) locations capturing vehicles on both directions at each location along project corridor that automatically detect incidents such as wrong way driving, speeding, accidents and more, to ensure appropriate response. Data shall be transferred to Central ITS Server via High Speed Fiber Optic Backbone.
- ✓ To provide supply, installation, commission and maintenance of CCTV system for 10 units
- ✓ To Communicate with Road Users thru Variable Messaging Display (VMD/VMS) System installed at three (3) locations along corridor covering both directions of traffic:
 - VMD shall display the messages received on-site or from back-office via High Speed Fiber Optic Backbone
- ✓ To provide one (1) Mobile/Portable VMS Sign Board with trailer and hitch for displaying Traffic Information
- ✓ Field equipment associated with ASES, AVIDS and VMD shall be energized by conventional electrical power.
- ✓ To integrate e-challan system at Central Server and to furnish e-challan machines to police for issuing challans on site. E-challan software could be procured from National Informatics Center, NIC-India or develop the same meeting specified requirements.
- ✓ To survey, design, procurement, supply, installation, construction, configuration, testing, commissioning and maintenance of a ECR Corridor wide Optical Fiber Cable Network in the Kancheepuram District, Tamil Nadu, for building a backbone for ECR corridor, along with the associated active, passive, civil, mechanical and power components.
- ✓ To establish Control Room with central ASES/ITS central server system at a location specified by Purchaser. ASES/ITS Central Server:
 - To Procure, Install, Commission and Maintain Pre-Fabricated Container style Control Room/Command Center along with required furniture at location specified by Purchaser
 - To Procure, Install, Commission and Maintain Central Servers at Control Room with required network hardware to connect & communicate with various equipment installed such as Speed Enforcement Cameras, Speed Measuring Radars, Video Incident Detection Cameras, VMD/VMSs, e-Challan Machines via high speed fiber cable network.
 - To Procure/Develop, Install, Commission and Maintain software/applications associated with ASES, VIDS, VMD/VMS & e-Challan systems (to be procured from NIC-India thru Police Dept.).
 - To receive, analyze and manage data received from various systems/equipment such as ASES, AVIDS, VMD/VMS & e-Challan Systems
 - To Establish and Maintain e-challan processes by validating camera captured violation data on specified workstations and access vehicle data from “VAHAN” related to identified number plates of violating vehicles
- ✓ To establish Sub-Control Room and provide workstations at Kancheepuram Police district headquarter control rooms or State Traffic Planning Cell(STPC) as suggested by the Tamil Nadu Police Department to communicate with central ITS server to receive violation data and for generating challan on over speed vehicles as per speed violation rules. If the Sub-

Control Room located at away from the proposed stretch of ECR, then vendor has to provide the leased line facilitation for transfer the data from the Control Center.

- ✓ To Procure, Install, Commission and Maintain Solar Blinkers ahead of major junctions or locations identified by client.
- ✓ To procure and install Safety Roller Barrier (60 m) at location identified by client.

3. Bidding will be conducted through the National Competitive Bidding (NCB) procedures as specified in the World Bank's *Guidelines: Procurement of Goods, Works and Non-Consulting Services under IBRD Loans and IDA Credits & Grants by World Bank Borrowers, January 2011 Revised July 2014*, and is open to all eligible bidders as defined in the Procurement Guidelines. In addition, please refer to paragraphs 1.6 and 1.7 setting forth the World Bank's policy on conflict of interest.

4. Bidding documents in English are available online www.tntenders.gov.in, which is free of cost. The bidder would be responsible for ensuring that any addenda available on the website is also downloaded and incorporated.

5. For submission of the bids, the bidder is required to have Digital Signature Certificate (DSC) from one of the authorized Certifying Authorities, authorized by Government of India for issuing DSC. Bidders can see the list of licensed CA's from the link (www.cca.gov.in).

6. Bids must be submitted online www.tntenders.gov.in on or before at 3.00PM on 27.02.2019. Any bid or modifications to bid (including discount) received outside e-procurement system will not be considered. The electronic bidding system would not allow any late submission of bids. 'Technical Part' of the Bids will be publicly opened online on the same day in the presence of the bidders' designated representatives and anyone who choose to attend at the address below at 3.30PM, and this could also be viewed by the bidders online. The "Financial Part" shall remain unopened in the e-procurement system until the second public Bid opening for the financial part. In the event of the date specified for bid opening being declared as a closed holiday for the purchaser's office, the due date for opening of bids will be the following working day at the appointed time.

7. All bids must be accompanied by a Bid Security of Rs.16,50,000/- (Rupees Sixteen lakh and Fifty thousand only). Original Bid Security in approved form shall be submitted as per procedure described in paragraph 8 below.

8. The bidders are required to submit (a) payment documents towards bid security, (b) Power of attorney to sign the bid and(c) affidavit regarding correctness of information furnished with bid document while submitting bids in www.tntenders.gov.in. However bidder must furnish the original document before opening of the Technical part of the bid given above either by registered post/ speed post/ courier or by Hand, failing which such bids will be declared non-responsive and will not be opened.

9. Other details can be seen in the bidding document. The Purchaser shall not be held liable for any delays due to system failure beyond its control. Even though the system will attempt to notify the bidders of any bid updates, the Purchaser shall not be liable for any information not received by the bidder. It is the bidders' responsibility to verify the website for the latest information related to this bid.

10. The address(es) referred to above is:

**The Superintending Engineer (H), ICERS cell,
O/o the Director General, Highways Department
76, Sardarpatel Road, 1st Floor, Integrated Chief Engineers Building,
HRS Campus, Guindy, Chennai -600025, Tamil Nadu, India
Ph.No: 044-22351066**

**Superintending Engineer (H),
ICERS cell, O/o the Director General,
Highways Department**