

Expression of Interest for installation of GPS tracking system in Vehicles carrying EVM & VVPAT machines and its real time monitoring and tracking.

About CEO:

Chief Electoral Officer, Punjab is an independent entity, reporting to the Election Commission of India, New Delhi with an objective for setting up a truly citizen-friendly, transparent and fair system for the conduct of elections. It handles all the election related activities for conduct of General Elections to the House of People (Lok Sabha), General Elections to the State Legislative Assembly (Vidhan Sabha) and Elections of the Council of States (Rajya Sabha).

GPS tracking system in Vehicles carrying EVM & VVPAT machines:

The Election Commission of India (ECI) has been proactive in using technology for conducting fair elections. Recently EC has issued instructions for tracking the vehicles carrying EVMs & VVPATs during Lok Sabha Elections, 2019, deployed on election duty. Vehicles fitted with GPS/VTS devices will help the State Electoral Officers in ensuring better security of EVMs VVPATs by tracking vehicles carrying EVMs /VVTATS.

As per the directions of ECI, real time monitoring of movement of EVMs & VVPATs is to be ensured through GPS-enabled/ Mobile App based GPS tracking system. For this purpose, an '**EVM Control Room**' shall be established in the office of CEO and DEOs to monitor the movements of the EVMs & VVPATs through the web portal/ Mobile App.

Scope of Work:

- ✓ Supply & Installation of Vehicle Tracking System through GPS devices on vehicle deployed on election duty (**approximately 7500 vehicles**).
- ✓ A web portal for real time tracking and monitoring of vehicle movements.
- ✓ Tracking the history of all vehicles at any time.
- ✓ Multiple type of reports should be available on web portal.
- ✓ The reports should be exportable to Excel and PDF format.
- ✓ A helpdesk at CEO, DEO/RO & ARO level to monitor and provide technical support to the field staff.

Global Positioning System (GPS) Device Feature

- ✓ Real time vehicle location tracking.
- ✓ Real time vehicle status monitoring (Ignition/ Engine & Speed).
- ✓ Vehicle track replay.
- ✓ Geo-fence (Leave area / Enter area)
- ✓ History storage (From the date of installation till the completion of Elections)
- ✓ Stop/Recover Engine (Ignition/Fuel)
- ✓ Build-in backup battery (Upto 6 Hrs)
- ✓ GPS device should have internal memory for storing data of blind/ grey area and to upload the supplementary data later on when out from blind/ grey area.

Alerts

- ✓ Over speed Alerts
- ✓ Geo-fence Alerts
- ✓ Stoppage Alerts
- ✓ Device main power cut Alerts (Battery Backup)

Term & Conditions

- ✓ Server up-timing 99%, 1% during GPRS or GSM network coverage issue.
- ✓ Hosting server should be located in India.
- ✓ Installation/un-installation of devices will be done by the vendor.
- ✓ Vendor shall make sure that no damage/cutting of wiring of vehicle while installation of GPS/ VTS device.
- ✓ 100% tracking data backup should be submitted by the vendor in the office of CEO, DEOs and AROs on CDs/ DVDs/ Pen drives.

Timelines:

Installation of GPS tracking system in vehicles carrying EVMs & VVPATs machines and its real time monitoring and tracking should be completed **7 days** before the date of poll.

Training to all the concerned officers & officials should be completed 4 days before the date of poll.

Price bid form:

The agency is required to submit rates for all items as per the following table:-

Sr. No.	Activity	Amount (per Vehicle)	Applicable Taxes	Total Amount
1	Integrated solutions for installation of GPS tracking system in Vehicles carrying EVM & VVPAT machines and its real time monitoring and tracking on web portal.			
Total				

Note: Agency is required to quote for all items. In case of incomplete, conditional and partial price bid, the agency shall be disqualified. Price bid will be evaluated on total cost.

Payment terms

1. No advance payment will be made.
2. Payment will be made in Indian Rupees after fifteen working days from the receipt of the bill.

Penalties of delay and downtime:

In case of delay in installation of GPS/VTs within the timeline as defined in scope of work. 10% of the cost quoted per vehicle will be levied.

In case of lost of tracking data the penalty should be calculated on the basis of the following pattern:

Example:-

X : Rate quoted by the vendor for GPS tracking per vehicle

Y : Total minutes of tracking data required per vehicle

Z : Total minutes of lost data per vehicle.

1. Rates Per minutes **W = X/ Y**
2. Penalty = **Z * W per vehicle**

Address for submission of Expression of Interest

To,

Chief Electoral Officer, Punjab

SCO 29 - 32, Sector 17 E

Chandigarh.

For any query, please contact

Mr. Pushminder Singh, System Manager – 09855071162

Mr. Paramjit Singh, DBA – 09988293534
