



KERALA ELECTRICAL & ALLIED ENGG. CO. LTD.

(A Govt. of Kerala Undertaking)

Corporate Office, 7th Floor KSHB Office Complex

Panampilly Nagar ,Kochi – 682 036

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EXPRESSION OF INTEREST

Expression of Interest is invited for engaging experienced and financially sound technology partner for manufacturing GPS Enabled Vehicle tracking and monitoring unit. Interested firms can submit their applications with necessary documents to prove their credentials to the General Manager (Business Development Centre), Kerala Electrical and Allied Engineering Co. Ltd, 7th Floor, Housing Board Building Complex, Panampilly Nagar, Kochi – 682036, Kerala. A brief technical requirement of the vehicle tracking and monitoring unit is given below.

Hardware

General Features

- AIS140 certified vehicle tracking and monitoring unit
- Real-time tracking with IRNSS/GPS/GLONASS
- Serial port(RS232)
- Large battery backup of 1000MAH
- 4 Digital inputs,2 Digital outputs
- 3 Axis accelerometer and 3 Axis gyro meter
- Supports embedded sim
- ARAI certified
- Rugged and environment proof abs casing with IP66

Hardware Features

- GSM,GPS,IRNSS modules
- 4hr internal battery backup

- Nominal Voltage:(12V±1V,24V±2V)
- Input voltage range:10V to 32V
- Reverse polarity protection
- Ripple Voltage tolerance:3V
- Operation temperature:25°Cto+65°C

Software Spec

- Records speed and its violation
- Calculate and record speed from GPS data
- Internet / Cloud Update (Every5seconds)
- Alerts for over speeding, harsh acceleration, sudden braking
- Communicates with 3 IP's at a time
- 40000 back up logs stored in the devices
- 16 different Alerts, Emergency Button
- Software update over the air
- SMS fall back for data failures
- Ignition status detection
- Network switching with 2 networks

Communication Interface

- GSM/GPRS/IRNSS/GPS/GLONASS –Modules Can be selected
- Serial Communication
- 5 Digital IO's and 2 Analog inputs
- Ability to add blue tooth if needed

Web and Mobile App

Features

- Live track and other IVMS features
- Full journey management, route, Geo fencing

- Work orders, dispatch management, issue management
- Service, fuel, parts, inspections management
- Almost all logistics, fleet management capability
- Event in box-Safety in box, Event History
- Vehicle-Vehicle List, Vehicle Assignment, Watched Vehicles, Dispatch List, Trip list, Manage GPS Device.
- Drivers-Driver list, inspection history, item failures, Schedules, Forms
- Issues-Issues list, faults, Recall.
- Reminders-Service Reminders, Vehicle Renewals, Contact Renewals
- Service-Service History, Work Order, Service tasks, Shop directory
- Fuel-Fuel history, Manage Fuel Cards
- Contacts &Users-Contact list, User Management, Vendor list
- Parts & Inventory-Parts list, Bulk Management Parts, Purchase Orders
- Booking-Passengers List, Ticket Booking
- Reports-Vehicles Reports, Contacts, Parts, Vehicle Assignment, Inspection
- Service, work order, issues

Technology

- Aws cloud and cutting edge technology assure scalability
- Publicly and privately deployable
- Can store data of any size for indefinite time

Interested manufacturers may submit their proposal to the undersigned with proof of experience, turn over and other credentials on or before 10.12.2019.

General Manager (Business Development Centre)