

DCPKD/1831/2019/ J-6

കളക്ടറേറ്റ്, പാലക്കാട്

തീയതി. 22/03/2019.

### നോട്ടീസ്

പാലക്കാട് ജില്ലയിലെ വിവിധ താലൂക്കുകളിലും പഞ്ചായത്തുകളിലും കുടിവെള്ളവിതരണം നടത്താനുള്ള ടാങ്കർ ലോറികളിൽ ജി പി എസ് സംവിധാനം ഏർപ്പെടുത്തുന്നതിന് പ്രസ്തുത പ്രവൃത്തിയിൽ പ്രാവീണ്യമുള്ള സ്ഥാപനങ്ങളിൽ നിന്നും സീൽവച്ച ക്വട്ടേഷനുകൾ ക്ഷണിക്കുന്നു. ആവശ്യമായ വിവരങ്ങളടങ്ങിയ ക്വട്ടേഷനുകൾ 27.03.19 തീയതി വൈകുന്നേരം 3 മണിക്കുമുമ്പ് പാലക്കാട് ജില്ല കലക്ടറേറ്റിൽ ലഭിക്കേണ്ടതാണ്. നിബന്ധനകളും മറ്റു വിശദാംശങ്ങളുമടങ്ങിയ വിവരങ്ങൾ ജില്ല കളക്ടറുടെ വെബ് സൈറ്റിൽ പരസ്യപ്പെടുത്തിയിട്ടുണ്ട്. ബന്ധപ്പെടാവുന്ന ഫോൺ നമ്പർ 0491-2505207.

ജില്ല കലക്ടർ

Signature Not Verified

Digitally signed by KFI SHNA  
 KUMAR T  
 Date: 2019.03.22 11:41:06 IST  
 Reason: Approved



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## Quotation Document

The District Collector Palakkad invites sealed quotation, for providing GPS data tracking system for the vehicles ( approx.50-75) that supply drinking water at various locations of Palakkad district for a period of 3 months from 1/4/2019.

### Name of work- Supply, Installation, Testing and Commission of Vehicle Tracking System .( GPS)

Last date of submission	27/3/2019 -5 pm
Date of opening	29/3/2019 -11 am
Place of opening	Collectorate, Palakkad
Address for communication	District Collector, Palakkad

### Terms and Conditions

The District Administration reserves the right to accept or reject any or all offers without assigning any reason thereof. Any quotation received after last date and time for receipt of bids prescribed is liable to be rejected.

#### Eligibility Criteria:

The Bidder must be a Company/Propriety or Partnership Firm in the Business of GPS based works who has system integration capabilities.

#### Service support requirement

1. Successful bidder will ensure that the GPS device is installed in the vehicle at the earliest possible (max. 2-3 days) after lodging of the request and getting written communication from the District Administration.
- 2) The selected bidder shall adhere to the technical specification and guidelines provided and approved by Motor Vehicle Department Kerala/ approving authority for the Vehicle tracking

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devices.

3) Installation of Devices would be done in the vehicles at the locations mentioned by the District Administration.

4) Total Implementation period is for three Months from the date of award of contract.

5) The manpower located at central location shall monitor the whole system using monitoring tool and shall take appropriate action as soon as any fault is detected.

### Instructions

1) The rate should be quoted in the prescribed form given by the department, the rate should be inclusive of all taxes and should be valid upto six months from the date of tender acceptance.

2) All/Taxes/Duties/Royalties Charges payable on the sales/transport etc shall be payable by the supplier.

3) Where specifications/make/manufacture is not specified by this office the rates should be quoted only for the 1st class and standard quality only.

4) It should specify the name of the manufacturer and complete specification for the items quoted by him along with catalogue of the item to be submitted in the Technical Bid.

5) They should enclose along with tender an amount 5% of contract amount as performance security/security deposit. The performance security shall be returned to the vendor within 30 days of successful completion of contract/guarantee period. The amount should be in the form of DD of any Nationalized or Scheduled Bank of India payable in Palakkad in favour of District Collector, Palakkad.

6) If the bidder whose tender is accepted, fails to execute the supply order within stipulated time the Earnest Money Deposit of 1 % of such tenderer will stand forfeited to the Government.

7) In case of failure to provide the device or service as agreed by the party as per the conditions and within the stipulated time, the same articles will be obtained from the tenderer who offered next higher rates or from any other sources, as may be decided by the tender

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Inviting Officer and the loss to the Government on account of such purchases shall be recovered from the former supplier's Security Deposit/Earnest Money or bills payable. The suppliers shall have no right to dispute with such procedure.

### Deliverables

The bidder shall deliver/provide the following

1. Hardware---GPS Device, Internal battery, internal antenna
2. Web based application software with hosting services, SMS gateway, Google Maps.
3. Periodic self generated reports by the software through e mail to designated emails
4. User manuals
5. Training staffs engaged.
6. MIS reports as defined.
7. Monthly operation and maintenance
8. Capturing latitudes, longitudes of stoppages, Routes and Points.
9. Geo coding and Geo-fencing of stoppages, Routes and points.
10. Route fixing
11. GPS device installation
12. SMS/Email based alerts.
13. Customized MIS reports
14. Real time location monitoring.

### Functional Requirement

Tracking of Vehicle.

1. Supply and Installation of GPS- The successful bidder shall install GPS trackers ( with inbuilt GPRS module) in vehicles and manage the tracking of entire fleet operations on real time basis. The Bidder shall replace non functional/faulty device in given time limit from registering of complaint with new device during contract period. Technical specifications are mentioned in the document.
2. TRIP Tracking- The system shall track each and every vehicle from source to destination. The tracking shall be real time and web based. Entire set of applications and their features shall

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allow secure web based online access to obtain real time information. The secure access shall be provided through popular browser interfaces.

3. Tampering Alert- In case of tampering of any equipment, component of vehicle tracking system etc alert should be given through SMS/on screen pop up Alert with sound on about to 4 to 5 relevant mobile numbers suggested by District Collector.
4. Route deviation/ Excess stoppage alert- In case of deviation of vehicle from pre-defined routes or excess stoppage of vehicle beyond a specified time duration alert should be given through SMS to 4 to 5 relevant mobile numbers suggested by District Collector.

#### WEB based Vehicle Tracking Software

1. The application software should be hosted by the Bidder at their own cost during tender period and having all administrative rights and access to the Department.
2. The offered application software should be readily available and should be able to deliver and start implementation within the specified time frame.
3. Point data relevant to source and destination.
4. Real time report of the movement of the GPS enabled vehicles on the map to the users based on their privileges.
5. The Bidder shall maintain a dynamic reporting systems. The bidder is also expected to provide following customized MIS report as per requirements of District Establishment.
  - a) Live location of the vehicle
  - b) Working hour/Efficiency reports
  - c) Detailed activity reports
  - d) Vehicle summary
  - e) History Report (Showing path taken by Vehicle)
  - f) Trip-wise report
  - g) Route deviation report
  - h) Vehicle stoppage report
  - i) Monthly monitoring summary.

#### Dynamic Route Management

Must be able to create and assign routes based on the land marks and stoppages with option to assign single or multiple vehicles on the

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route created.

Data search system- The concern vendor should provide some text based search engine for web application for data retrieval.

### Comprehensive Maintenance and support service

Bidder has to supply operate and maintain all the items covered in the tender during contract period. Comprehensive maintenance service includes application software, parts and service/repair work/replacement of GPS devices should be done by Bidder without any additional charge. In case the supplied items are down and not working, the service provider should attend to the breakdown call within 24 hours and rectify the problem. Failing which penalty will be recovered from monthly payment and or from the Performance security. In addition to attending service, the bidder shall conduct preventive maintenance once in every month for all the items.

Backup of data from time to time and providing backup file with compliance report to Department and submission of monthly report to the District Collectorate.

### Item Description

Cost/Device (inclusive of Device rental, Installation charges, Data License, software hosting- All inclusive as per deliverables).

### Hardware specification

The GPS tracking hardware device should comply with following features

### Technical specification

Unit/Item	Specification
GSM	
Frequency	900/1800 MHz;850/1900 MHz
Power supply	9v-35v
Battery backup	At least 6 Hrs without vehicle battery

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GPSR	
Data class	Class 3
Coding scheme	CS-4
Uplink Transfer	>40kbps
Downlink Transfer	>80kbps
Protocol	NMEA0183 or any other Supporting IP like http
GPS	
Datum	WGS-84
Frequency	L1-1575.42MHz
C/A code	1.023MHz chiprate
Channels	16-20
Sensitivity	(-)158db
Position Accuracy	5-10m
Time accuracy	0.1m/s
Requisition Time	Average-0.1m/s
Velocity Range	300-500m/s

### Payment

1) 50% of the cost of device and Installation charges will be released after successful commissioning of the system and receipt of installation certificate, subject to availability of fund /receipt of fund from Government.

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- 2) Charges for providing data will be issued 15 th of every consecutive month, subject to availability of fund /receipt of fund from Government.
- 3) 50 % of the balance amount of the cost of device and Installation will be issued on successful completion of the contract.

## SUBMISSION OF QUOTATION

Bids must reach the competent authority at the address specified but not later than the time and date specified in the invitation of Bids. In the event of the specified date for the submission of bids, being declared a holiday for the office , the bids will be received upto the appointed time on the next working day.

### Late Bid

Any bid received after the deadline for submission of bids prescribed by the competent authority, will not be accepted and returned unopened to the bidder.

## BID OPENING AND EVALUATION OF BIDS

### Opening of Quotation

The District Administration will open the bids at Collectorate, Palakkad, in the presence of Bidders representatives who choose to attend on the date specified. Prospective Bidder representatives shall sign a register evidencing their attendance.

District Collector

Signature Not Verified

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BALAMURALI IAS  
Date: 2019.03.22 10:29:12 IST  
Reason: Approved

