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REQUEST FOR PROPOSAL
FOR
"SELECTION OF SYSTEM INTEGRATOR FOR SUPPLY, INSTALLATION, DEVELOPMENT, IMPLEMENTATION AND MAINTENANCE OF GPS BASED VEHICLE TRACKING SYSTEM"
FOR
MARKFED, CHHATTISGARH

RFP No.: _____
Date: _____

Issued by:
Managing Director
Chhattisgarh State Cooperative Marketing Federation Ltd.
Nava Raipur Atal Nagar

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DISCLAIMER

All information contained in this Request for Proposal (RFP) Document is in good interest and faith. This is not an agreement and is not an offer or invitation to enter into an agreement of any kind with any party.

Though adequate care has been taken in the preparation of this RFP Document, the interested firms shall satisfy itself that the document is complete in all respects. The information is not intended to be exhaustive. Interested Bidders are required to make their own enquiries and assumptions wherever required.

Markfed, Chhattisgarh reserves the right to reject any or all of the proposals submitted in response to this RFP Document at any stage without assigning any reasons whatsoever. CG MARKFED also reserves the right to withhold or withdraw the process at any stage with intimation to all who submitted the RFP Document response. CG MARKFED reserves the right to change/ modify/amend any or all of the provisions of this RFP Document. Such changes would be posted its website (www.markfed.cg.nic.in).

Neither CG MARKFED nor its employees and associates will have any liability to any prospective respondent interested to apply or any other person under the law of contract, to, the principles of restitution or unjust enrichment or otherwise for any loss, expense or damage which may arise from or be incurred or suffered in connection with anything contained in this RFP Document, any matter deemed to form part of this RFP Document, the award of the Assignment, the information and any other information supplied by or on behalf of CG MARKFED or their employees and bidder or otherwise arising in any way from the selection process for the Assignment.

Information provided in this document or imparted to any respondent as part of the RFP Document process is confidential to CG MARKFED and shall not be used by the respondent for any other purpose, distributed to, or shared with any other person or organization.

ACRONYMS

Abbreviation/ Term	Description
API	Application Programming Interface
MARKFED	Chhattisgarh State Cooperative Marketing Federation Ltd
CV	Curriculum Vitae
RFP	Request for Proposal
CG	Chhattisgarh
RFP	Request for Proposal
VTD	Vehicle Tracking Devices
VTS	Vehicle Tracking System
EMD	Earnest Money Deposit
BG	Bank Guarantee
SLA	Service Level Agreement
GPS	Global Positioning System
GPRS	General Packet Radio Service
SIM	Subscriber Identity Module
NIT	Notice Inviting tender

DEFINITIONS

Sl. No.	Term	Definition
1	Acceptance	"Acceptance" means the Quality certification after verification of the work done by the selected SI.
2	Agreement/Contract	The Agreement entered between the MARKFED CG and the Agency including all attachments, schedules, annexure thereto and all documents incorporated by reference therein and all amendments, corrigendum /corrigenda, changes thereto
3	Authorized Representative	"Authorized Representative" shall mean any person/agency authorized by either of the parties.
4	Bidder	"Bidder" means any firm or group of firms or companies (called consortium) offering the service(s) and/ or materials asked for in the RFP. The word Bidder, when used in the pre-award period shall be synonymous with Bidder, and when used after intimation of successful bidder shall mean the successful bidder, also called 'Vendor or Bidder', with whom MARKFED CG signs the Contract.
5	Bid/proposal	Offer by the Bidder to fulfil the requirement of the Client under the RFP/Contract for an agreed price. It shall be a comprehensive technical and commercial response to the Tender
6	Confidential Information	All information (whether in written, oral, electronic or other format) which relates to the technical, financial and business affairs, dealers, suppliers, products, developments, operations, processes, data, trade secrets, design rights, know-how, plans, budgets and personnel of each stakeholder and its affiliates which is disclosed to or otherwise learned by the other Party in the course of or in connection with this Agreement (including without limitation such information received during negotiations, location visits and meetings in connection with this Agreement);
7	Intellectual Property Rights	All rights in written designs and copyrights, moral rights, rights in databases and Bespoke or COTS Software / Pre-existing work including its up-gradation systems and compilation rights (whether or not any of these are registered and including application for registration);
8	LoI	"LoI" means Letter of Intent which shall constitute the intention of the Tenderer to place the purchase order with the successful bidder
9	Performance Security	Unconditional guarantee provided by the Bidder from a Nationalized/Scheduled Bank in favor of the buyer/client
10	Project	"Project" shall mean supply, installation, development, implementation and maintenance of GPS based vehicle tracking system for Markfed, Chhattisgarh
11	SLA	The level of service and other performance criteria which will apply to the Services delivered by the Bidder; Performance and Maintenance SLA executed as part of this Master Service Agreement
12	SI/SP /Vendor	The bidder who is qualified & successful in the bidding process and is given the award of Contract and will be referred to as System Integrator(SI)/Service Provider/Vendor
13	RFP/ Tender Document	Written solicitation that conveys to the Bidder, requirements for products/services that the MARKFED intends to buy and implement
14	Deliverables	Products, infrastructure and services agreed to be delivered by the Bidder in pursuance of the agreement as defined more elaborately in

		the RFP Implementation and the Maintenance phases and includes all documents related to the user manual, technical manual, design, process and operating manuals, service mechanisms, policies and guidelines (such as security related, etc.), inter alia payment and/or process related, source code of Web Portal, etc.
15	"Vehicle Tracking Device"	"Vehicle Tracking Device" means a GPS device to be installed on the Paddy/Rice carrying vehicles as a part of discharging its Scope of Services to be covered through the VTS to enable their tracking as per the specifications published by MARKFED
16	Markfed	Where the word 'MARKFED' is written in this RFP can be read and consider as 'Chhattisgarh State Cooperative Marketing Federation Ltd., Nava Raipur, Chhattisgarh"

FACT SHEET

Particulars	Details
Name of Purchaser	CG MARKFED
Name of the Engagement	Supply, installation, development, implementation and maintenance of GPS based vehicle tracking system for Markfed, Chhattisgarh
RFP Publication Date	08/11/2019 09:00PM onwards
Last date for pre-bid queries submission date	13/11/2019 02:00PM
Pre-Bid Meeting Date, time & venue	14/11/2019, 12:00PM
Last date & time (deadline) for submission of the bid	22/11/2019, 05:00 PM
Opening of the PQ/TQ Bid	23/11/2019, 12:00PM
Technical presentation by Bidders	To be decided
Opening of Financial Bids	To be decided
Validity of Proposal	180 days
Method of Selection	Least Cost System - LCS
Bidding in Consortium	Consortium allowed
Bid Validity	180 days from the date of opening of bid
Agreement Period	36 Months from the date of successful installation (Go-Live) of all the goods and acceptance certificate by the CG Markfed. The Agreement can be further extended by CG Markfed based on the performance of the System Integrator and Sole discretion of CG Markfed project requirement
Variation in Quantities	+/-25%
Payment frequency	Monthly basis
Tender Fees	Tender shall be downloaded free of cost from portal http://www.tenders.cg.gov.in http://markfed.cg.nic.in
Earnest Money Deposit	EMD is Rs 12,00,000 (Rs. Twelve Lakhs). EMD should be valid for 180 days from the bid last submission date. EMD should be submitted in the form ofBank Guarantee payable at Raipur.
Address & contact details for communication	Markfed, Chhattisgarh, 6th floor, CBD Building, Nava Raipur Atal Nagar

Note:

1. The date of opening of the financial bids will be intimated to the qualified Bidders through email or Telephone.
2. Markfed, Chhattisgarh reserves the right to change any schedule of bidding process.

1 INTRODUCTION

1.1 About MARKFED, Chhattisgarh

The Chhattisgarh State Cooperative Marketing Federation (MARKFED) is an Apex level Federation of Cooperative Marketing Societies in the State of Chhattisgarh. Chhattisgarh State Cooperative Marketing Federation Limited, Raipur (Registration No. 216 dated 31.10.2000) came into existence simultaneously with the creation of new Chhattisgarh State on 1st November 2000. Markfed executes the work of paddy procurement under Price Support Scheme and supply of chemical fertilizers and plant protection material to the farmers of the state as per the instructions of Government.

Chhattisgarh Markfed has an extensive network of branches in the state:

(i)Head Office 1

(ii) District Marketing Offices 27

District offices are located at all the district headquarters.

1.2 Project Background

Paddy procurement under Price Support Scheme in the state is done through 1990 procurement centers of 1333 Primary Agriculture Credit Cooperative Societies. For storage of paddy procured under Price Support Scheme, 84 storage centers have been established in the state. Primarily the lifting of paddy procured in the procurement centers is done through custom millers. Balance paddy is transported to the storage centers, in order to keep space for further procurement in the procurement centers. Disposal of paddy stored in the storage centers is done after procurement period.

Every year tenders are called by CG MARKFED at each District level, for selection of transporter for paddy transportation from society/procurement centre to storage centre and then transportation rate is approved by the District Collector. Every year approximately 1500 trucks/ vehicles are registered by selected transporters for paddy procurement. The paddy is also directly picked by rice millers from societies and these trucksare arranged by rice millers.

1.3 Project Description

- Markfed Chhattisgarh intends to introduce GPS Based vehicle tracking system for paddy transporting vehicles for bringing efficiency and transparency in logistics. As a part of this, installation of Vehicle Tracking Devices (VTD) in all trucks registered for transportationof paddy(approximately 1500) in the state is proposed to be made mandatory. All such vehicles will thus be suitably equipped with the GPS devices procured by the vehicle owners/transporters/millers. The devices will be standardized as per specifications issued by MARKFED CG.
- All the vehicle owners/transporters/millers should mandatorily equip their vehicles with GPS devices from the empaneled vendors provided by the selected SI, in order to get the specific data from GPS devices to the single platform application without any protocol compliance issue.

- The fitment of GPS device on paddy transporting vehicles shall enable on-line, real-time monitoring for tracking their movement and effective enforcement through a web-based Vehicle Tracking Application System is also proposed to be developed and deployed.
- As part of the project, a web-based application will be designed and developed to facilitate monitoring the movement of vehicles to ensure real-time route adherence using the data feeds received from GPS devices installed in paddy transport vehicles. The application solution designed by the selected SI will also be integrated with NIC software of the Markfedand will be accessible over web at Control Centre at Head Office and DMO offices of Markfed, Chhattisgarh.

1.4 Project Objective

The project "Selection of SI for supply, installation, development, implementation and maintenance of GPS based Vehicle Tracking System for Monitoring and Surveillance of Paddy Transport in the state" would have the following objectives:

- Tracking the movement of vehicles transporting paddy from procurement centre to storage centre and from procurement centre to rice miller in the State of Chhattisgarh.
- Vehicle Tracking Application to be integrated with NIC system of the MARKFED CG.
- To control the illegal evasion, delay in transportation of paddy, long route opted by drivers, which causes severe pilferage.
- Vehicles already having GPS devices installed to be integrated with the single platform application

1.5 Roles and Responsibilities of Key Stakeholders

1.5.1 Responsibilities of MARKFED CG

Sl. No.	MARKFED Responsibilities
1	Selection of SI for supply, installation, development, implementation and maintenance of GPS based vehicle tracking system, through tender procedure
2	To ensure the vehicle owners comply with the necessary conditions and discharge all their obligations as per and in accordance with the permit/pre-definedconditions
3	To take prompt penal action against vehicle owners violating pre-defined conditions related to the requirement of installation and maintenance of the VTD.
4	To provide space for installation/setup of Control Centre at Markfed HQ
5	Ensure payment to SI after receipt of invoice from SI
6	To notify that Markfed CG approved VTD installed on paddy transporting vehicles
7	To notify VTD installation to transporters/millers about the location & time

1.5.2 Responsibilities of System Integrator

Sl. No.	SI Responsibilities
1	To supply, installation, development, implementation and maintenance of the Backend System in accordance with the agreement/ scope of work entered into with the MARKFED.
2	Integration of developed application with NIC software of the MARKFED CG.
3	Empanelment with local GPS device manufacturer/provider at each district of Chhattisgarh for installation of GPS devices in the registered vehicles
4	To deploy manpower for execution and implementation of project including manpower at Control Centre for monitoring of the registered vehicles equipped with GPS devices
5	To integrate API's and get coordinates to common dashboard with existing GPS installed in vehicles (GPS hardware may be from any heterogeneous manufacturer)
6	To ensure GPS devices installed in all the registered vehicles and remain operational all the time in service and connected to the backend data centre
7	Design and execution of Training to stakeholders (Markfed staff) w.r.t implementation, operation and monitoring of Vehicle Tracking System, application developed, APIs and mapping of GPS devices to dashboard for monitoring/tracking of vehicles

1.5.3 Roles of Vehicle Owner

Sl. No.	Role of Vehicle Owner
1	To install the Markfed approved/empaneled VTD on the paddy transporting vehicles.
2	To ensure that the devices remain operational during all the time when the vehicle is deployed in service
3	Vehicle Owners already having GPS devices installed in their vehicles needs to share the model, protocol and other required details of the device to the selected SI for integration with the single platform
4	To obtain APIs from the existing device manufacturer and give live coordinates to platform for any number of heterogeneous model of GPS.

2 GUIDELINES FOR e-TENDERING

1. **Vendor / Bidder Registration on the e-Procurement System:**

- All the Users / Bidders (Manufacturers / Operator s / Suppliers / Vendors / Distributors etc.) registered with and intending to participate in the Tenders of various Govt. Departments / Agencies / Corporations / Boards /Undertakings under Govt. of Chhattisgarh processed using the Integrated e-Procurement System are required to get registered on the centralized portal https://eproc.cgstate.gov.in
- The non – registered users / bidders who are also eligible to participate in the tenders floated using the e-Procurement system are also required to be registered online on theprocurement system
- Vendors are advised to complete their online enrolment / registration process on the portal well in advance to avoid last minute hassle, it is suggested to complete enrolment at least four days before the last date of bid submission date, failing which may result in non-submission of bids on time for which vendor/end user shall be solely responsible.
- For more details, please visit https://eproc.cgstate.gov.in or call Toll free 1800 419 9140 or email helpdesk.eproc@cgswan.gov.in

2. **Digital Certificates:**

- The bids submitted online must be signed digitally with a valid Class II / Class – III Digital Signature Certificate to establish the identity of the bidders submitting the bids online. The bidders may obtain pair of Encryption & Signing Class – II / Class – III Digital Certificate issued by an approved Certifying Authority (CA) authorized by the Controller of Certifying Authorities (CCA), Government of India.
- Note: It may take up to 7 to 10 working days for issuance of Class-II/Class-III Digital Certificate, Therefore the bidders are advised to obtain it at the earliest. It is compulsory to possess a valid Class-II / Class-III Digital Certificate while registering online on the above-mentioned e-Procurement portal. A Digital Certificate once mapped to an account / registration cannot be remapped with any other account / registration however it may be inactivated / deactivated.
- The bidders are advised to keep their Digital Certificates secure to be used whenever required and comply with IT Act 2000 & its amendments and CVC guidelines.
- The digital certificate issued to the authorized user of an individual / private limited company / public limited company / joint venture and used for online bidding will be considered as equivalent to a no-objection certificate / power of attorney to the user.

3. **Online Payment:**

- As the bid is to be submitted only online, bidders are required to make online payment(s)of the Registration fee / Transaction or Service fees / Tender fee using the online payments gateway services integrated into the e-Procurement system using various payment modes like Credit Card / Debit Card / Internet Banking / Cash Card / NEFT / RTGS etc.

4. **Setup of User's Computer System:**

- In order to operate on the e-Procurement system for a bidder / user, the computer system / desktop / laptop of the bidder is required to have Java ver. 765, Internet explorer 9 / 11, latest

Mozilla Firefox with IE Tab V2 (Enhanced IE Tab) or any other latest browser. A detailed step by step document on the same is available on the home page. Also, internet connectivity should be minimum one MBPS.

5. Submit Online Bids:

- Bidders have to submit their bid online after successful filling of forms within the specified date and time as set in the tender.
- The encrypted bid data of only those bidders who have submitted their bids within the stipulated date &time will be accepted by the e-Procurement system. It is expected that the bidder completes his bid ad submit within timeline, abider who has not submitted his bid within the stipulated date &time will not be available during opening.
- Bid documents uploading during bid preparation should be less than five MB (for individual document) and over all bid documents should be less than fifty MB.

6. Submission of Earnest Money Deposit (EMD):

- The bidders shall submit their Earnest Money Deposit (EMD) asmentioned in the Notice Inviting Tender (NIT)/ RFP. Bidders also have to upload scanned copy of Earnest Money Deposit instrument along with the reference details online.

7. Opening of Tenders:

- The concerned department official receiving the tenders, or his duly authorized officer shall first open the online Earnest Money Deposit envelope of all the bidders and verify the same uploaded by the bidders. He / She shall check for the validity of Earnest Money Deposit as required. He / She shall also verify the scanned documents uploaded by the bidders, if any, as required. In case, the requirements are incomplete, the next i.e. technical and commercial envelopes of the concerned bidders received online shall not be opened.
- The concerned official shall then open the other subsequent envelopes submitted online by the bidders in the presence of the bidders or their authorized representatives who choose to be present in the bid opening process or may view opened details online.

3 INSTRUCTIONS TO BIDDERS

3.1 General

a. While every effort has been made to provide comprehensive and accurate background information, requirements and envisaged solution(s) specifications, Bidders must form their own conclusions about the solution(s) needed to meet the MARKFED's requirements. Bidders and recipients of this RFP may wish to consult their own legal advisers in relation to this RFP

b. All information supplied by Bidders as part of their bids in response to this RFP, may be treated as contractually binding on the Bidders, on successful award of the assignment by MARKFED on the basis of this RFP

c. No commitment of any kind, contractual or otherwise shall exist unless and until a formal written contract has been executed by MARKFED. MARKFED may cancel this RFP at any time prior to a formal written contract being executed by or on behalf of MARKFED CG

d. Bids shall be received by MARKFED on the e-Procurement portal before the time and date specified in the fact sheet of this RFP. MARKFED may, at its discretion, extend the deadline for submission of offers by issuing corrigendum and uploading the same on e-Procurement portal.

e. Interested bidders are required to check the e-procurement portal for RFP, corrigendum, notifications and for submission of bid. Bidders need to take prior action with regards to registration etc. as per the requirement of the e-procurement portal/website.

f. Bid shall be received only through the e-procurement portal. No other media/communication is acceptable for receipt of bids.

g. Tenderers are requested to submit their bid online in two separate envelopes marked as "Technical Envelope" and "Commercial Envelope".

3.2 Compliant Bids/Completeness of Response

a. Bidders are advised to carefully study all instructions, forms, terms, requirements and other information in the RFP. Submission of the bid shall be deemed to have been done after careful study and examination of the RFP document with full understanding of its implications.

b. Failure to comply with the requirements of this paragraph may render the bid non-compliant and the bid may be rejected. Bidders must:

   i. Include all documentation specified in this RFP

   ii. Follow the format of this RFP while developing the bid and respond to each element in the order as set out in this RFP

   iii. Comply with all requirements as set out in this RFP

3.3 Bid Preparation Cost

The Bidder is responsible for all costs incurred in connection with participation in this bid process including, but not limited to, costs incurred in conduction of informative and other diligence activities, participation in meetings/discussions/presentations, preparation of bid, in providing any additional information required by MARKFED to facilitate the evaluation process, and in negotiating a definitive contract or all such activities related to the bid process. MARKFED will in no case be responsible or liable for those costs.

3.4 Language of Proposal

The proposal prepared by the bidder, as well as all correspondence and documents relating to the tender exchanged between the bidder and MARKFED shall be in English. Information supplied in other language shall be rejected.

3.5 Bid Currency

Prices for services offered shall be quoted in Indian National Rupees (INR) only.

3.6 Proposal Validity

a. The bid shall remain valid for 180 days from the date of Bid submission. Bidder should ensure that in all circumstances, that his bid fulfils the validity condition. Any bid valid for a shorter period shall be rejected as non-responsive.
b. In exceptional circumstances, MARKFED may solicit bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing or by Fax. Bid Security/EMD shall also be suitably extended. A bidder granting the request is neither required nor permitted to modify the bid.

3.7 Rights to terminate the process

a. MARKFED may terminate the RFP process at any time and without assigning any reason.
b. Participation in this RFP does not confer any rights to the bidders. The bidder's participation in this process may result MARKFED to select a bidder for further engagement in discussions and negotiations toward the execution of contract. However, the commencement of such negotiations does not signify a commitment by MARKFED to execute a contract. The MARKFED may terminate negotiations at any time without assigning any reason.

3.8 Modification and Withdrawal of Proposals

No Proposal may be withdrawn in the interval between the deadline for submission of Proposals and the expiration of the validity period as specified in this RFP. Entire EMD may be forfeited if any of the Bidder withdraw the Bid during the validity period.

3.9 Bid Queries and Pre-bid meeting

- All enquiries from the bidders related to this Bid Document must be submitted to email id: mf_ctrlroom_raipur@gov.in only in editable excel format. The queries should necessarily be submitted as per format given in ANNEXURE-III of this RFP.
- MARKFED will host a Pre-Bid Meeting for queries (if any) by the prospective bidders. The date, time and place of the meeting are given in fact sheet of this RFP. The representatives of the bidders may attend the pre-bid meeting at their own cost. The purpose of the pre-bid meeting is to provide a forum to the bidders to clarify their doubts / seek clarification or additional information, necessary for them to submit their bid.

3.10 Issue of Corrigendum

- MARKFED will formally respond to the pre-bid queries after the pre-bid conference.
- MARKFED will endeavor to provide timely response to all queries. However, MARKFED makes no representation or warranty to the completeness or accuracy of any response; nor does MARKFED undertake to answer all the queries that have been raised by the bidders.
- At any time prior to the last date for receipt of bids, MARKFED may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the RFP Document through a corrigendum. The Corrigendum (if any) & clarifications to the queries from all bidders will be posted on the website https://www.eproc.cgstate.gov.in and www.markfed.cg.nic.in
- Any such corrigendum shall be deemed to be incorporated into this RFP. In order to provide prospective Bidders reasonable time for taking the corrigendum into account, MARKFED may, at its discretion, may extend the last date for the receipt of Proposals.

3.11 RFP Document Fees

RFP can be downloaded free of cost from the website https://www.eproc.cgstate.gov.in and www.markfed.cg.nic.in

However, Rs.5000 (Rupee Five Thousand only) in the form of a demand draft with the validity period of 03 month from the date of bid submission due date is to be submitted towards the cost of the RFP document along with the bid. Proposals received without or with inadequate online RFP /Tender Document fees shall be rejected.

3.12 Earnest Money Deposit (EMD) / Bid Security

All proposals submitted in response to the RFP document must be accompanied by an EMD of Rs. 12,00,000/- (Rupee Twelve lakh only). The EMD is to be in the form of a Bank Guarantee with the validity period of 180 days from the last date of bid submission. Scanned copy of EMD should be submitted on e-procurement portal and physical copy should be submitted to CG MARKFED by last date of bid submission as timelines given in this RFP. No exemption for submitting the EMD will be given to any agency. EMD in any other form will not be entertained.

- **EMD Refund**
  For Unsuccessful bidders: The EMD of all unsuccessful bidders would be refunded without interest by MARKFED on finalization of the bid in all respects by the successful bidder after 30 days of issuance of LoI to the successful bidder.
  For Successful bidders: The EMD, for the amount mentioned in fact sheet, of successful bidder would be returned without interest upon submission of Performance Bank Guarantee by the successful bidder.

In case bid is submitted without the bid security then MARKFED reserves the right to reject the bid without providing opportunity for any further correspondence to the bidder concerned.

- **EMD Forfeiture**

The EMD may be forfeited in any of the following circumstances:

a. If a bidder withdraws its bid during the period of bid validity.
b. In case of a successful bidder, if the bidder fails to submit the performance bank guarantee and/or sign the contract in accordance with this RFP.
c. If the Bidder tries to influence the evaluation process.
d. If the Bidder refuses to take up the job within the time specified by the MARKFED.

3.13 Mode of RFP Document Fee & EMD submission

- RFP/Tender document fees have to be submitted online through RTGS/NEFT in to the account of "Chhattisgarh Rajya Sahakari Vipnansangh Maryadit, Raipur "Account No- 2134104000000046, IFSC – IBKL0002134 of IDBI Bank and upload/submit the bank receipt online in the given attachment of e-proc website.
- Bid submission fee of INR 311 only has to be submitted online through website http://eproc.cgstate.gov.inrelated link of Chips account.
- The bidder must submit the original hardcopy of Bank Guarantee (BG) for EMD to CG Markfed before bid closure date and time, by hand/ Post, at below address:
  The Managing Director,
  Chhattisgarh State Cooperative Marketing Federation Limited
  6th Floor, Tower 'C', Commercial Complex, C.B.D.
  Sector-21, Nava Raipur Atal Nagar (C.G.) 492002, Ph. No. - 0771- 2425402
- An envelope containing EMD is to be super scribed as "EMD BG for Selection of SI for supply, installation, development, implementation and maintenance of GPS based vehicle tracking

system for Markfed, Chhattisgarh". The envelope is to be submitted physically at above mentioned address.

- A soft copy of the online transaction bank receipt for tender document fee&scan copy of BG copy also to be submitted online on eProc website at the time of online proposal submission.
- CG MARKFED should not be responsible in case of late receipt of EMD BG send through post.

3.14 Applicable Law

- The contract shall be interpreted in accordance with the laws of the Chhattisgarh Government. Governing Law and Choice of Forum:
- The laws of India shall govern this project. Any suit, action or proceeding shall be confined to the exclusive jurisdiction of Courts at Raipur, Chhattisgarh.
- Any suit/legal action filed by any third party on account of the supply made by the vendor against any item related/pertaining to this project shall be settled by the vendor at his own cost. MARKFED will NOT be a party for the same.

3.15 Contents of Bid

The two-stagebid system shall be followed in line with the procedure and terms & conditions of Chhattisgarh e-procurement. Technical and Commercial Offers should be uploaded separately through the e - Procurement portal.

Document Set	Subset	Contents
One	RFP Document fee & Earnest Money Deposit (EMD)	a. RFP Document Fee –Soft copy of online payment bank receipt of document fee to be uploadedon e-proc along with the technical bid b. Bid Security/Earnest Money Deposit (EMD) receipt. Scanned copy of EMD Bank Guarantee to be uploaded on e-proc along with the technical bid.
	Pre-Qualification Bid	Pre-Qualification bid as per the RFP along with the required supporting documents.
	Technical Bid	Technical Bid as per the RFP
Two	Commercial Bid	Commercial bid as per the RFP

a. All documents must be uploaded on the Chhattisgarh e-Procurement portal
b. Please note that Prices should NOT be indicated in the Pre-Qualification Bid or Technical Bid but should only be indicated in the Commercial Bid.
c. All the pages of the bid must be sequentially numbered and must contain the table of contents.
d. The original bid document(s) uploaded on the e-procurement portal should be clearly legible with no interlineations or overwriting.
e. No other form of bid submission/delivery would be accepted other than online bid submission on e-procurement portal. Only the original EMD for RFP document fee is to be submitted to MARKFED

3.16 Authentication of Bids

Bid should be accompanied by an authorization in the name of the authorized representative of the bidder. The authorization shall be in the form of a written power of attorney which should be submitted as part of the Technical bid.

3.17 Amendment of Request for Proposal

At any time prior to the due date for submission of bid, CG MARKFED may, for any reason, whether at its own initiative or in response to a clarification requested by prospective bidder(s), modify the RFP document by amendments. Such amendments shall be uploaded on the e-procurement portal website, through corrigendum and shall form an integral part of RFP document. The relevant clauses of the RFP document shall be treated as amended accordingly. It shall be the responsibility of the prospective bidder(s) to check the e-procurement portal website from time to time for any amendment in the RFP document. In case of failure to get the amendments, if any, MARKFED shall not be responsible. In order to allow prospective bidders a reasonable time to take the amendment into account in preparing their bids, CG MARKFED, at its discretion, may extend the deadline for submission of bids. Such extensions shall be uploaded on the e-Procurement website.

3.18 Power of Attorney

The bidder must submit a Board Resolution / notarized power of attorney authorizing the authorized signatory to act in all matters concerning the RFP and the consequent offer, if any.

3.19 Consortium

Maximum number of parties for making consortium is Two.

In case of Consortium, the Prime Bidder must be specified. Each partner of any consortium would have to own the scope of work and would be equally responsible for all the tender terms despite CG Markfed interacting with only the Prime Bidder.

Memorandum of Understanding (MOU)/Agreement among the members signed by the Authorized Signatories of the companies dated prior to the submission of the bid to be submitted in original. The MoU /Agreement shall clearly specify the Prime Bidder, stake of each member and outline the roles and responsibilities of each member. Prime Bidder is held responsible in case the other consortium members fail in their responsibilities. The complete responsibility from the submission of Bid to the successful completion of the project lies with the Prime Bidder.

4 BID OPENING AND PROPOSAL EVALUATION PROCESS

4.1 Openings of Bids

a. The Bid submitted without EMD, will be summarily rejected. Only those Bid for which EMD is received will be eligible for opening.
b. Total transparency will be observed and ensured while opening the Proposals/Bids
c. MARKFED reserves the rights to postpone or cancel a scheduled Bid opening.
d. First, Pre-qualification Proposals would be opened. Bids not accompanied with the requisite EMD or whose EMD is not in order will be rejected.
e. Technical Proposals of bidders would be opened for only those bidders who pass the Pre-qualification criteria.
f. Commercial Proposals of only those bidders would be opened whoqualifies in the Technical qualification criteria.
g. All bids would be opened in the presence of Bidders' representatives who choose to attend the same.
h. Markfed will continue the process of opening the bids of all the bidders even in case of absence of one/ all the bidders participated in the bidding process.
i. During Bid opening, preliminary scrutiny of the Bid documents will be made to determine whether they are complete, whether required RFP Document fee & EMD has been furnished, whether the Documents have been properly signed, and whether the bids are generally in order. Bids not conforming to such preliminary requirements will be prima facie rejected.

4.2 Method of Submission of Bid

The bidder shall submit his response through Bid submission to the tender on e-Procurement portal at www.eproc.cgstate.gov.in

4.3 Evaluation Process

1. The Bid Evaluation Committee (BEC) constituted by the MARKFED will evaluate the bids.
2. The Bid Evaluation Committee will review the Pre-qualification Proposal of the Bidders to determine whether the requirements as mentioned in this RFP are met. Incomplete or partial proposals are liable for disqualification. All those Bidders who qualify the Pre-qualification criteria stage will be selected for opening of the Technical Proposal.
3. The Bid Evaluation Committee will review the Technical Proposal of the pre-qualified Bidders to determine whether the Technical Proposals are fully complied with technical parameters defined in this RFP. Bids that are not complied, will be disqualified and the Bid Evaluation Committee reserve the rights to seek clarification if required.
4. The Bid Evaluation Committee will assign a Technical score to the Bidders based on the Technical evaluation criteria detailed in this RFP. The Bidders with a technical score above the threshold as specified in this RFP shall technically qualify for the commercial evaluation stage.
5. The Commercial Proposals of the technically qualified Bidders will then be opened and reviewed to determine whether the Commercial Proposals are complete and as per requirements.

6. Please note that the Bid Evaluation Committee may seek inputs from their professional, external experts in the Bid evaluation process

4.4 Selection Criteria

1. First the Pre-Qualification Proposal will be evaluated and only those bidders who qualify the requirements will be eligible for next set of evaluations.
2. The technical score of all the bidders will be calculated as per the criteria mentioned in the RFP. All the bidders who will achieve minimum 70 or more marks in the technical evaluation will be eligible for the next stage, i.e. Commercial Bid opening.

4.5 Pre-Qualification criteria (PQ)

Prequalification criteria for Bidder (individual firm) / Prime Bidder (In case of consortium) is as below. Bidder should be manufacturer/ authorized representative of a manufacturer / whole sale dealer.

Sl. No	Eligibility criteria	Documents in to submit	Document nomenclature
1	Bidder should make a payment Rs. 5,000 (Rupees Five Thousand only) towards tender document fee	Soft copy of the bank receipt for online transaction for tender document fee	PQ1_Tender fee
2	Bidder should make a payment Rs. 12,00,000/- (Rupees Twelve Lakhs only) towards Bid Security/EMD	Appropriate original hardcopy of Bank Guarantee to be submitted in envelope at CG Markfed Head Office and scan copy to be uploaded on eProc	PQ2_EMD BG
3	The sole bidder and or Consortium partner must be a Company registered under the Indian Companies Act, 1956 or 2013 OR a partnership firm registered under the Indian Partnership Act, 1932 OR a sole proprietorship firm registered under the Proprietorship Act, 1908 AND have their registered offices with legal presence in India.	• Copy of Company Registration Certificate/ Certificate of Incorporation • A registered partnership firm should furnish a copy of IT returns for the last three financial years preceding the proposal due date as proof of identity and a copy of the partnership deed executed between the partners as a proof of identity • A sole proprietorship firm should furnish the IT returns for the last three financial years preceding the proposal due date as proof of identity	PQ3_IdentityProof
4	The Sole bidder and or Consortium partner should be a GPS device manufacturer OEM/ authorized representative of a manufacturer / whole sale dealer. The bidder should be in business of supply and maintenance of the offered items in India for a minimum of 3 years period as on bid submission date. In case the	• Self-declaration certificate • MAF form (in case of bidder is not the OEM)	• PQ4-1_SelfDec • PQ4-2_MAF

	bidder is not the Original Equipment Manufacturer, the Manufacturer's Authorization Form specific to this tender should be submitted with this bid		
5	The Sole bidder or prime bidder in case of consortium should have an annual financial turnover of at least INR 03 crore in last three financial years (FY 18-19, FY17-18, and FY 16-17) from IT software or GPS related Services, as on bid date	• Audited Balance Sheets and P/L statement for last three financial years • Certificate from the CA	• PQ5-1_Audited sheet • PQ5-2_PLStatement • PQ5-3_CAcertificate
6	Bidder and Consortium Partner should have positive net worth as on bid submission date	• Certificate from the CA	• PQ6-3_CAcertificate
7	The bidder /Consortium Partner should have in-house development of GPS based Vehicle Tracking Software (monitoring dashboard) and should have valid CMMi level 3 or higher/ ISO 9001: 2015 certification	• Copy of valid CMMi/ISO certification	• PQ7_CAcertificate
8	The bidder /Consortium Partner should have experience in execution of minimum 1 projects of worth 75 lakhs in supply, installation, maintenance of GPS based complete solution (hardware + software) supply & installation of GPS hardware devices and, development/customization of vehicle tracking system, monitoring dashboard and reporting for any Central Govt./State Govt. Dept./PSU/Quasi Govt. organizations/ Private sector organizations in India	Copy of Work Order AND Project Completion Certificate/ Customer satisfaction certificate/ Certificate for Go-Live of project along with detailed scope of work	• PQ8-1_WorkOrder • PQ8-2_CompletionCertificate
9	The bidder /Consortium Partner should have executed similar GPS Vehicle Tracking Systems softwarewithGPS deviceinstallation for any Central /State Govt. Dept./PSU/ Quasi Govt. organizations/Private sector organizations in India as per below criteria: (a) At least 1500 vehicles in a single project and presently up & running with Central /State Govt. Dept./PSU/ Quasi Govt. organizations **OR** (b) In case of multiple projects out of 1500 vehicle, minimum 500 vehicles experience for Central /State Govt. Dept./PSU/ Quasi Govt. organizations	Copy of Work Order AND Project Completion Certificate/ Customer satisfaction certificate/ Certificate for Go-Live of project along with detailed scope of work	• PQ9-1_WorkOrder • PQ9-2_CompletionCertificate
10	The bidder shall not be under a declaration of ineligibility for corrupt or fraudulent practices nor should have been black listed by any Govt.	Self-declaration certificate signed by the authorized signatory, in the prescribed format	• PQ10_BlackList

	or Govt. undertaking organization at the time of submission of the bid		
11	The bidder should have valid GST number	Copy of valid GST registration	• PQ11_GST
12	The bidder should have valid PAN number	Copy of PAN	• PQ12_PAN

4.6 Technical Qualification criteria (TQ)

Sl. No.	Evaluation Criteria	Scoring Parameter	Maximum Score
1	The bidder /Consortium Partner should have executed similar GPS Vehicle Tracking Systems softwarealong withGPS deviceinstallation for any Central /State Govt. Dept./PSU/ Quasi Govt. organizations/Private sector organizations in India as per below criteria: (a) At least 1500 vehicles in a single project and presently up & running with Central /State Govt. Dept./PSU/ Quasi Govt. organizations **OR** (b) In case of multiple projects out of 1500 vehicle, minimum 500 vehicles experience for Central /State Govt. Dept./PSU/ Quasi Govt. organizations	• 1500-2500total vehicles = 10 marks • 2501-3500 vehicles = 15 marks • 3501 or more = 20 marks	20
2	The bidder /Consortium Partner shall have past experience in single Vehicles Tracking project worth 75lakhs in Government/ Public Sector Undertaking having the following all scopes: • Supply and maintenance of Vehicle Tracking application • Procurement, Supply, Installation and maintenance of GPS devices at diverse location at large scale • Integration of heterogeneous GPS to common platform for Route creation/updation and geofence mapping	• Each project 5 mark, maximum 3 projects =15 marks	15
3	The bidder /Consortium Partner should have valid CMMi level 3 or higher / ISO 9001: 2015 certification	CMMi Level 3:> 5 marks CMMi Level 5:> 10 marks OR ISO 9001: 2015 :>10 marks	10
4	Proposed Team Strength as mentioned in this RFP. Submit CV of the mentioned resources for evaluation	• Project Manager: (10 Marks x1 CV) • VTS Software Developer(2.5marks X 2CV)	15
5	Technical Presentation	• Understanding scope of the project: 10marks • Approach, Methodology for execution: 15 marks • Demonstration Proof of concept through similar work undertaken: 15 marks	40
TOTAL			**100**

- **The bidder has to score minimum of70 out of 100 in the Technical evaluation, failing which it will not qualify, and its financial bid will not be opened.** Submit the project details as per ANNEXURE-VII

4.7 Commercial Bid

4.7.1 Opening of Commercial Bid

1. The Commercial bids will not be opened by Bid Evaluation Committee until the complete evaluation of the Technical Bids.
2. Bid Evaluation Committee will open the Commercial Bids of only Technically Qualified Bidders, designated representatives of the Bidder who choose to attend, at the date, time and place, as decided and communicated by CG MARKFED.
3. Commercial Bids from bidders who have failed to qualify in evaluation of the technical bid will not be opened.
4. Authorization letter in the name of the person attending bid opening meeting needs to be submitted on the letterhead of the Bidder during bid opening.
5. If there is any discrepancy in the commercial bid it will be dealt as per the following:
    1) If, in the price structure quoted for the required goods/services/works, there is discrepancy between the unit price and total price (which is obtained by multiplying the unit price by the quantity) the unit price shall prevail and the total price corrected accordingly.
    2) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail, and the total shall be corrected.
    3) If there is a discrepancy between words and figures, the amount in words shall prevail.
    4) If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date up to which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of markfed, the bid is liable to be rejected.

If the Bidder does not accept the correction of errors, its bid will be rejected and the EMD may be forfeited.

4.7.2 Commercial Bid Evaluation (L1 based selection)

1. The Commercial Bid of only the technically qualified Bidders will be opened for evaluation.
2. The final score will be calculated through Least Cost Selection method
3. Of all the commercial bids opened, the bidder whose commercial bid is lowest (hereby referred to as L1 Bidder) will be considered eligible for negotiations and award of contract after the negotiations.
4. If there is a discrepancy between words and figures, the amount in words shall prevail. For any other calculation/ summation error etc. the bid may be rejected.
5. Format for Commercial bid is provided in ANNEXURE of this RFP.
6. Bidders shall give the required details of all applicable taxes, duties, other levies and charges etc. in respect of direct transactions between MARKFED and the bidder.
7. Bidders shall quote for the entire scope of contract on an “overall responsibility” basis such that the total bid price covers all the bidder’s obligations mentioned in or to be reasonably inferred from the bidding documents in respect of providing the product/services.
8. Prices quoted by the bidder shall remain firm during the entire contract period and not subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.

9. In the event that there are two or more bidders have offered the same lowest Evaluated Bid Price, the bidder securing the highest technical score will be adjudicated as the "Best responsive bid" for award of the Project. The successful Bidder would be awarded the letter of Intent followed by Work Order.
10. In case more than one Bidder have offered the same lowest Evaluated Bid Price and they have the same technical score, MARKFED will determine the Successful Bidder out of such Bidders in a manner as considered appropriate by MARKFED and his decision in this regard shall be final and binding on all Bidders.
11. Failure of the successful Bidder to agree with the Terms & Conditions of the RFP / Contract shall constitute sufficient grounds for the annulment of the award, in which event MARKFED may invite the next best bidder (L2) for negotiations or may call for fresh RFP.

4.8 Award of Contract

1. **MARKFED Right to Accept any Bid and to Reject any or All Bids**
   MARKFED reserves the right to accept or reject any Bid, withdraw the bidding process and reject any or all bids at any time prior to Award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for MARKFED's action.

2. **Letter of Acceptance**
   Prior to the expiration of the period of bid validity, MARKFED will notify the successful bidder in writing or by fax or email, that its bid has been accepted. The Letter of Acceptance will constitute the formation of the contract. Upon the successful Bidder's furnishing of Performance Security, MARKFED will promptly notify each unsuccessful Bidder.

3. **Signing of Contract**
   MARKFED shall notify the successful bidder that its bid has been accepted. The successful bidder shall enter into contract agreement with MARKFED within the time frame mentioned in the Letter of acceptance to be issued to the successful bidder. After signing of the Contract Agreement, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

✓ MARKFED may also like to reduce or increase the quantity of any item furnished in the Scope of Work of this RFP. Accordingly, total contract value may change on the basis of the unit rates defined in the commercial proposal.

4.9 Performance Bank Guarantee

a. The successful bidder has to deposit PBG deposit within fifteen (15) working days from the date of receipt of notification of award.
b. Performance Bank Guarantee (PBG) must be unconditional and irrevocable from a Nationalized/Scheduled Bank, payable on demand, for the due performance and fulfilment of the contract by the bidder.
c. The performance guarantee will be denominated in the currency of the contract and shall be in the form of Bank Guarantee and shall be in the favor of "MD, Markfed, Chhattisgarh".
d. This performance bank guarantee will be for an amount equivalent to 10% of contract value. All charges whatsoever such as premium; commission etc. with respect to the Performance Bank Guarantee will be borne by the bidder.
e. The Performance Bank Guarantee will remain valid until the end of three months (90 days) after the completion of the contract with successful bidder.
f. Subject to the terms and condition in the Performance Bank Guarantee, three months after the contract completion, the Performance Bank Guarantee will lapse automatically.
g. The Performance Bank Guarantee may be discharged/ returned by MARKFED upon being satisfied that there has been due performance of the obligations of the Bidder under the contract. However, no interest shall be payable on the Performance Bank Guarantee. The Format for Performance Bank Guarantee is provided in ANNEXURE-XII of this RFP.
h. In the event of the Bidder being unable to service the contract for whatever reason MARKFED would invoke the PBG. Notwithstanding and without prejudice to any rights whatsoever of MARKFED under the contract in the matter, the proceeds of the PBG shall be payable to MARKFED as compensation for any loss resulting from the bidder's failure to complete its obligations under the Contract. MARKFED shall notify the Bidder in writing of the exercise of its right to receive such compensation within 30 days, indicating the contractual obligation(s) for which the Bidder is in default.
i. MARKFED shall also be entitled to make recoveries from the bidder's bills, performance bank guarantee, or from any other amount due to him, the equivalent value of any payment made to him due to inadvertence, error, collusion, misconstruction or misstatement.

5 GENERAL TERMS AND CONDITIONS

5.1 Force Majeure

1. Force Majeure would include natural and unavoidable catastrophe that interrupts the expected course of events.
2. The bidder shall not be liable for liquidated damages or termination for default, if and to the extent that, his delay in performance or other failure to perform his obligations under the contract is the result of an event of Force Majeure.
3. For purposes of this clause, "Force Majeure" means an event beyond the control of the bidder and not involving the bidder and not involving the bidder's fault or negligence and not foreseeable. Such events may include, but are not restricted to, instances of, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes which would have an impact on MARKFED.
4. If a Force Majeure situation arises, the bidder shall promptly notify MARKFED in writing of such conditions and the cause thereof. Unless otherwise directed by MARKFED, the bidder shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
5. The Force Majeure circumstances and events shall include the following events to the extent that such events or their consequences (it being understood that if a causing event is within the reasonable control of the affected party, the direct consequences shall also be deemed to be within such party's reasonable control) satisfy the appropriate definition as per this agreement. Without limitation to the generality of the foregoing, Force Majeure Event shall include the following: classes of events and circumstances and their effects.
6. Natural events ("Natural Events") to the extent they satisfy the foregoing requirements including:
    a. Any material effect on the natural elements, including lightning, fire, earthquake, cyclone, flood, storm, tornado, or typhoon;
    b. Explosion or chemical contamination (other than resulting from an act of war);
    c. Epidemic such as plague;
    d. Any event or circumstance of a nature analogous to any of the foregoing.
7. Other Events (Political Events) to the extent that they satisfy the foregoing requirements including:
    a. Act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, blockade, embargo, revolution, riot, insurrection, civil commotion, act of terrorism or sabotage;
    b. Strikes, work to rules, go-slows which are either widespread, nation-wide, or state-wide and are of political nature;
    c. Any event or circumstance of a nature analogous to any of the foregoing.

5.2 Limitation of Liability towards CG MARKFED

The Service Provider's liability under the resultant Agreement shall be determined as per the Law in force for the time being. The Service Provider shall be liable to MARKFED for loss or damage occurred or caused or likely to occur on account of any act of omission on the part of the Service Provider and its employees, including loss caused to MARKFED on account of defect in goods or deficiency in services on the part of Service Provider or his agents or any person / persons claiming through or under said Service Provider. However, such liability of Service Provider shall not exceed the total value of the Agreement.

5.3 Conflict of Interest

The Service Provider shall disclose to MARKFED in writing, all actual and potential conflicts of interest that exist, arise or may arise (either for the Service Provider or its team) in the course of performing the Services as soon as it becomes aware of such a conflict. Service Provider shall hold MARKFED's interest paramount, without any consideration for future work, and strictly avoid conflict of interest with other assignments.

5.4 Resolution of Disputes and Arbitration

a. Disputes and arbitrations will be addressed in accordance with the Arbitration and Conciliation Act, 1996"
b. MARKFED and the selected bidder shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
c. If, after thirty (30) days from the commencement of such informal negotiations, MARKFED and the selected Bidder have been unable to amicably resolve dispute, either party may require that the dispute be referred for resolution to the formal mechanisms, which may include, but are not restricted to, conciliation mediated by a third party acceptable to both, or in accordance with the Arbitration and Conciliation Act, 1996.
d. All Arbitration proceedings shall be held at Raipur, Chhattisgarh, and the language of the arbitration proceedings and that of all documents and communications between the parties shall be in English.

5.5 Bidder not to Benefit from Commissions, Discount

The payment of the bidder shall constitute the payment in connection with this Contract or the Services, and the bidder shall not accept for their own benefit any trade commission, discount, or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations under the Contract, and the bidder shall use their best efforts to ensure that the Personnel and agents of either of them similarly shall not receive any such additional payment.

5.6 Right to vary quantity

a. At the time of award of contract, the quantity of goods, works or services originally specified in the bidding documents may be increased/decreased not more than +-25% of the total no. of vehicles specified in the commercial quotation. It shall be without any change in the unit prices or other terms and conditions of the Bid and the bidding documents.
b. If the MARKFED does not procure any subject matter of procurement or procures less than thequantity specified in the bidding documents due to change in circumstances, the bidder shall notbe entitled for any claim or compensation except otherwise provided in the bidding document.
c. Repeat orders for extra items or additional quantities may be placed, if it is provided in the bidding document, on the rates and conditions given in the contract if the original order was given after inviting open competitive bids. Delivery or completion period may also be proportionally increased.

5.7 Taxes and Duties

1. The SI shall be entirely responsible for all taxes, duties, license fee, Octroi, road permits etc. incurred until delivery of the contracted Goods/services at the site of the user or as per the terms of tender document if specifically mentioned.
2. If during the period of contract any upward revision of Service Tax/VAT/Octroi is made by the Central or State government, the vendor is entitled to claim the same subject to production of proof of payment. Similarly, in case of any downward revision of the taxes, the benefit goes to the Authority.

5.8 Insurance

It is suggested that the goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery up to user site.

5.9 Transportation

Transporting goods to the site(s) shall be arranged by the selected System Integrator at his own cost.

5.10 GPS Hardware Installation

The System Integrator is responsible for all unpacking, assemblies, wiring, connecting, cabling and installation of GPS devices to the CG Markfed registered millers/transporters vehicle. The System Integrator will test all GPS hardware operations and accomplish all adjustments necessary for successful and continuous operation of the GPS devices at all installation sites i.e., all the storage centres of CG Markfed.

5.11 Prices

Prices charged by the SI for goods (GPS device) delivered and services performed under the contract shall not vary from the prices quoted by the System Integrator in its bid, with the exception if any price adjustments authorized in special conditions of contract or in the request for bid validity extension, as the case may be.

5.12 Termination for default

1. CG MARKFED, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the System Integrator, may terminate the Contract in whole or in part:
    a. if the System Integrator fails to deliver any or all of the Goods/services within the time period(s) specified in the contract, or within any extension thereof granted by the MARKFED or
    b. if the System integrator fails to perform any other obligation(s) under the Contract or
    c. If the System Integrator, in the judgment of the MARKFED has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

2. In the event the CG MARKFED terminated the contract in whole or in part, CG MARKFED may procure, upon such terms and in such manner as it deems appropriate, goods or services similar to those undelivered, and the System Integrator shall be liable to the CG MARKFED for any excess costs for such similar goods or services.

5.13 Warranty

1. The successful bidder warrants that the goods and services supplied under the contract are new, unused, and are the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The System Integrator further warrants that all goods and services supplied under this contract shall have no defect arising from design, materials or workmanship or from any act or omission of the System Integrator, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
2. CG Markfed/user shall promptly notify the System Integrator in writing of any claims arising under this warranty. Upon receipt of such notice, the System Integrator shall, within the period specified in GCC and with all reasonable speed, repair or replace the defective goods and services or parts thereof, without costs to the user.

6 SCOPE OF WORK

6.1 SCOPE OF PROJECT

The agreement period would be of three (03) years after Go-live. The agreement period can be further extended at the sole discretion of the MD, MARKFED CG, based on the performance of the system integrator and requirement of the project.

The indicative scope of work for the bidder is as follows:

Sl. No.	Tasks to be done by SI
1	SI should procure, supply, install/ dismantle the GPShardware devices to the identified transporter vehicles of CG Markfed
2	Procurement, Supply, Installation, Configuration and Maintenance of GPS hardware devices of all the identified vehicles of transporter registered with MARKFED where GPS device is not installed
3	Design, Development / Customization, Installation, Configuration and mappingof GPS Vehicle Tracking System with monitoring dashboard to provide configurable alerts to the system seamlessly in real-time basis. Monitoring Dashboard software should be open source
4	Integration of GPS VTS application with existing NIC software for optimization and authentication purpose. VTS should be mapped with Delivery Order (DO)/ Transport Order (TO) , Truck details, etc.
5	Setup of Control Centre at CG Markfed HQ for Tracking, Monitoring and Reporting
6	Technical Manpower deployment at Control Centre and support manpower at each DistrictMarkfed Storage Centre or any other location decided, for installation& dismantling of GPS devices of identified vehicles
7	Operations & Maintenance of entire system environment (Software & Hardware warranty & maintenance support) for 3 years
8	Execution of training to MARKFED staff for successful implementation and operation, as and when required

Detailed Scope of Work

6.1.1 GPS Hardware

- The selected SI need to install, configure, mapping of data to VTS dashboard within timeframe set by CG MARKFED
- The selected SI shall be responsible for all unpacking, assemblies, wiring, cabling and installation of GPS devices to identified vehicles
- The selected SI shall be responsible for transportation of goods (GPS hardware/related items) to the identified site(s) at his cost
- The selected SI shall be required to provide SIM for enabling GPRS on the GPS Device and will have to make payments for the periodic bill
- GPS device is required to hold data for at least 90 days
- In case of damage happened to the installed GPS device, the SI shall have to submit a report within 24 hours of its status and monitor its replacement or otherwise by the vehicle owner.
- In case the vehicle owner forces his way to the device then it should become evident from the breach or tampering of the device and action would be taken against the vehicle owner.
- All licenses required for installation and operation of the system shall be procured in the name of CG MARKFED
- The Bidder shall be responsible for updation and upgradation (if required) of all Hardware for successful operation of the Project during the Contract Period.
- If incase the existing (old) GPS system of vehicles doesn't integrated on to the single platform designed by the SI then the vehicle should be installed with the new GPS with the consent of the transporter and CG MARKFED
- To ensure protocol integration support to CG MARKFED enlisted VTD units fulfilling the pre-defined criteria, and in case CG MARKFED requires for any upgrades on firmware/OTA changes, the same has to be provided without any charges
- To ensure that the enlisted VTDs should integrate with the VTS Application and Paddy Procurement NIC software
- In case of malfunctioning of GPS, the responsibility to replace lies with SI within stipulated Time Frame
- The GPS device should be fitted in such a way that it cannot be tampered, removed or damaged.
- The repair / replacement (as the case may be) would be the responsibility of the SI. Also, it would be the responsibility of SI to collect the faulty devices from the field
- In case any of the device models becomes obsolete, the SI shall offer new item/model with the same make and same or higher specification at no additional cost to the department
- All data generated during the operation period shall be the property of CG MARKFED
- License/Ownership of GPS device, if procured on rental basis then it would be of selected SI

6.1.2 Vehicle Tracking System-Application

- The proposed VTS application should be Open Source application and should require minimum effort in configuration to match the
- The selected SI shall perform the detailed assessment of the system and gathered project specific requirement from the CG MARKFED
- Based on the requirement basic trial of application shall be started and customized the same as feedback received from the CG MARKFED
- The selected SI shall perform the software development, configuration, customization, testing and implementation of the end-to-end application
- The selected SI shall design the testing strategy and plan including traceability matrix, Test Cases and conduct testing of various components of the software developed/customized
- The selected SI shall prepare all documentation as per latest industry standards and should incorporate necessary version control mechanism whenever any major changes are made in the solution, during the life time of project
- The selected SI shall be responsible for the integration with existing NIC software
- The selected SI shall be responsible for updation and upgradation (if required) of all software for successful operation of the project during the Contract Period.
- VTS application should have ticketing module. The ticketing tool has to give the complete picture on day to day functionality along with the unsolved tickets and the reasons. For every ticket there has to be a valid explanation from the Transporter/ Vehicle owner. If the Transporter/ vehicle owner fails to give the explanation within 24 hours the same has to be brought to the notice of the Markfed.
- SI has to provide the provision to recover the data at any given point of time.
- SI needs to provide the SMS gateway integration for SMS alert/notification at specific pre-defined set of criteria. SMS gateway to be provided by the CG Markfed NIC technical partner
- The selected SI shall replace non- functional/faulty device in given time limit
- The selected bidder shall Provide Map Data of Chhattisgarh State on 1:5000 (cm) scale with the following details as selectable layers with their names superimposed (on selection)
- License/Ownership of software would be of selected SI
- Common GPS data format for software applications, example-GPX i.e., GPS Exchange format

6.1.3 Hosting environment for VTS application:

- The selected SI shall be responsible for hosting of developed VTS application at their own Cloud platform or Data Centre
- The selected SI shall be responsible for storage of data and to manage the storage capacity
- The selected SI shall be responsible for data security, virus-malware attack into the VTS application
- CG Markfed plans to procure the cloud services PaaS platform Cloud Service Providers. After that, the hosting of VTS applications and related databases can be migrated to CG Markfed cloud platform and the selected SI would assist during the transition period

6.1.4 Continuity plan

The Bidder should propose and follow business continuity plan in case of system is non-operational due to any reason like:

- Connectivity problem
- Hardware failure
- Any such issue

Continuity plan should have various alternatives like:

- Off line operations.
- Redundant connectivity, etc.

6.1.5 Establishment of Control Centre

- Basic setup facility such as electricity, sitting arrangements, internet connections should be provided by CG MARKFED, at Nava Raipur Head Quarter
- The selected SI shall be responsible for providing Control Centre infrastructure at a CG MARKFED HQ office to monitor the movement of paddy transporting vehicles
- The selected SI shall be responsible for complete set up of Control Centre including the display Screens, control computer hardware, along with all other necessary hardware/equipment's, software's (OS, antivirus, etc.)
- The selected SI shall be responsible for supply of Branded OEM 65-inch TV screen for monitoring dashboard and IT hardware items such as laptop/desktop, etc., for team deployed by SI at Head Office.

6.1.6 Operations & Maintenance

- Bidder shall be responsible for Operations & Maintenance of entire system environment (Software & Hardware warranty & maintenance support) after "Go-Live sign-off" date initially for a period of 3three years (including Go-Live period) and extendable in case of mutual agreed &/ CG Markfed sole decision.

6.1.7 Training

- The selected SI needs to submit the User manual/ SOP material for VTS training purpose
- The selected SI have to provide training at single location, CG MARKFED HQ
- Department will provide the necessary space for training
- Approx. ten (10) number of users for training

6.1.8 Manpower Deployment

- The selected SI shall employ and deploy such qualified and experienced Personnel as required to carry out the Services
- The details CVs of the following resources are to be submitted as a part of Technical bid
- The selected SI needs to deploy resources of below mentioned category:
  1) Project Manager for overall responsible for monitoring and successful implementation of project

2) Software team for development/customization of VTS as per specific requirement of MARKFED
3) Control Centre operator for monitoring, tracking and reporting from VTS dashboard
4) One Field engineer at each83 Storage Centre level for procurement, installation, support and maintenance of GPS hardware devices to identified trucks of CG MARKFED

- The resource type, their minimum educational qualification and minimum years of relevant experience as required under this project are as below:

Sl. No	Role	Basic Qualification	Nos. Required	Period of requirement
1	Project Manager	BE/ B. Tech and or MBA with at least 6 years of relevant experience	01	Till GO-LIVE period at CG Markfed HQ
2	Software Developer	BE / B. Tech /BCA/MCA with 04 yrs. of IT application development experience out of which minimum 2 years of exp. in development, customization and maintenance of VTS application	02	Till GO-LIVE period at CG Markfed HQ
3	Control Centre Operators	Graduate in any discipline and having minimum 1yr experience in customization of VTS software, mapping of VTS, reporting and monitoring skills	01	After Go-live period to till project contract period
4	Field technician	Minimum 12th pass/Diploma holder	83	Immediate Deployment at each storage centre after procurement of GPS devices at CG markfed nominated service centres

- The above-mentioned list of resources is not an exhaustive list.
- The selected SI needs to deploy adequate number of resources meeting the assignment requirement, ensuring execution of the assignment in a time bound manner, which would be define by CG MARKFED

6.1.9 GO-LIVE

"Go-Live/System Go-Live" shall mean that the successful completion of installation of GPS devices at all the identified vehicles and VTS application is ready in all respect i.e. Development, configuration, testing, and operational. This implies that the software can now be used by all the end users together as defined in the detailed Functional Requirement

Specifications and SoW of this RFP document. For successful Go- Live, issuance of FAT and Acceptance certificate of the overall solution by the CG MARKFED is mandatory.

6.1.10 Operation & Maintenance Phase

1. Debugging & fixing of problems arising in the running applications.
2. Tuning and code changes for optimal performance.
3. Enhancement/modification in modules as change in business rules.
4. Data Validation/correction
5. Fix the operational problems
6. Backup data
7. MIS Reports
8. Training
9. GPS device mapping
10. GPS device service and maintenance

6.1.11 Functional Requirement Specification of VTS

Refer to ANNEXURE-I

6.1.12 Minimum Technical Specification of VTD

Refer to ANNEXURE-II

7 SERVICE LEVEL REQUIREMENTS& PAYMENT SCHEDULE

7.1 Project Milestones, Deliverables and Timelines SLA

Below depicted the Project Timelines SLA will be applicable to the milestones/deliverables which are to be achieved during the (1) Implementation Phase & (2) Operations and Maintenance Phase (03 yrs. Extendable for another 02 yrs.) for the Project, by the selected SI.

Sl. No	Milestone	Activity/Task	Deliverables	Timelines (in days)
1	Issue of work Order/ LoI			Within 07 days
			Acceptance to LoI& Manpower Deployment	T
	Manpower deployment	Deployment of manpower	Deployment of manpower at CG Markfed Head Office	T+3
2	Signing of Contract		Signed Agreement	T+7
3	Project Kick-Off	Requirement gathering, Understanding of project requirements	• Revised FRS • Project Implementation Plan Report	T+4
4	Empanelment with GPS device supplier/manufacturer/vendor	Empanelment with minimum 3 GPS devicemanufacturer/supplier	Copy of Empanelment agreement	T+7
5	Setup of Control Centre	Establishment of Control Centre at MARKFED HQ office	CC establishment certificate with hardware sizing details	T+10
6	Development/Customization of VTS, Desired MIS reports, Routes creation and Geo fencing	Development/Customization of proposed VTS application and dashboard configuration	VTS & Dashboard UAT certificate	T+14
7	GPS device installation	Installation of GPS devices to all the identified vehicles throughout the Chhattisgarh state	GPS devices Installation report District wise (Installation report to be signed by Vehicle Owner/Driver& DMO)	T+21
8	Mapping of all GPS devices (existing GPS devices + Newly installed devices by SI)	Mapping of all the GPS devices to single platform of VTS application for tracking and monitoring	Mapping report	T+21
9	UAT	Perform the various test modules, i.e., regression testing, load testing, functional testing of GPS device vehicles tracking	UATsignoff	T+28

10	GO-LIVE and training	Successfully installation, on-boarding & mapping of all the VTD and implementation VTS application as per SoW	GO-LIVE certificate issued by CG MARKFED. FAT Report mentioning the total nos. of GPS devices mapped, for signoff	T+30=T1
11	O&M Phase	Operation and Maintenance Support (Hardware & Software)	Reporting, mapping, customization as per requirement of MARKFED	T1+3 yrs.

7.2 Payment Schedule

1. Payment to the agency would be made on monthly rental basis quoted in the financial bid.

Sr. No	Payment Details	Payment Frequency
1	Monthly payment proposed for each GPS based Vehicle Tracking Device along with SIM card and monthly recurring charges. The cost includes all the charges such as hosting, manpower deployed at HQ & field level, Software customization, maintenance, etc., for meeting all the requirements of the scope of the project.	Monthly rental

2. CG MARKFED shall verify the report submitted by the System Integrator and deduct the money for non-compliances from the monthly amount to be paid to the bidder.
3. The performance guarantee amount shall be paid to the bidder after the closure of the project after deducting the non-compliances amount/ dues if any.
4. Monthly rental payments will be released after subtracting penalties, if any, on monthly basis at the end of each month, as per the monthly rate specified by the bidder in their financial bid.
5. All the Delivery Challans/Installation Reports to be Counter signed by the respective Officials as designated by the CG Markfed.

7.3 Service Level Agreement

- The bidder shall comply with the following Service Level Agreements (SLAs) provided in the below table during the currently of the project.
- 99.9% uptime of the GPS device and VTS application should be available.

Service	Specification	Time Frame / Penalty
Hardware Functionality	If any non-functionality is reported in any part of the device seriously affecting the business transaction, then the component/ device has to be replaced with the spare device for continuity of the Services.	1. Within 6 hours of reporting at the helpdesk, for replacing the component/ device and making it functional. If the hardware functionality of reported GPS device is not operational according to the SLA, then Rs. 100/-per device, per day If more than 25% of GPS devices not working properly (due to GPS hardware failure) then the CG Markfed shall terminate the contract and forfeit the PBG.
SoftwareFunctionality	Dysfunction in the software affecting seriously the services /transactions. Not able to track the live location of the mapped GPS devices	Resolution within 6 hours from thetime of reporting/identification of the issue If the software is not operational according to the SLA, within prescribed time, a penalty of Rs.5, 000/-would be imposed per hour. If the delay exceeds one weeks, then the CG markfed shall terminate the contract and forfeit the PBG.
GO-LIVE	If GO-LIVE is not carried as per timelines SLA	5% of total project cost will be fined and additional Rs.10000 per week. Further, if GO-LIVE can't achieved within defined project timelines, then Contract may be terminated and PBG may be forfeited

8 ANNEXURE

8.1 ANNEXURE-I: FRS for VTS

Functional Requirement Specification – GPS based Vehicle Tracking System (VTS)	
Sl. No.	**Functionality**
A	**General**
1	The VTS application will be a web-based application and also support mobile platform (android)
2	The VTS application developed in Open Source should be given preference
3	The VTS application should have open standard databases such as SQL and should also be compatible to support proprietary databases like MS-SQL, Oracle etc.
4	VTS application should be COTS and required minimum configuration to meet the client requirement
5	The VTMS application should be developed to support Mobile platform and should facilitate navigation through smart-phones and tablets.
6	VTS application should support both English & Hindi language. It should be bi-lingual
7	The VTS application should have provision for self-generated periodic reports through email to designated email IDs.
8	Capturing latitudes, longitudes of Stoppages and Routes
9	Geo-coding and Geo-fencing of Stoppages, Routes, procurement Centre and storage centre and rice miller location
10	Route fixing
11	Facility to track defined vs. actual movement of vehicles, capture deviations if any.
12	Facility to view vehicle movements real-time on digital maps
13	Facility for playing back the recorded details of the vehicle movement along the authorized route
14	Exception recording/ actions (off-route detection, geofence deviation).
15	VTS application should have capability to receive and process the data feeds from the on-board devices transmitting data
16	Capability to create client specific and general business rules like unauthorized stoppage, deviation from routes, speed etc.
17	The tracking data will be kept live in the system for at least 24 months.
18	Provide capability to view a single vehicle or multiple vehicles on a map in real time.
19	VTS shall display precise location of different vehicles in different arears.
20	Information elements that needs to be captured at the minimum shall include longitude, latitude, physical location with date and time stamps, and overlay this on a map.
21	Provide real time tracking and monitoring of the vehicle movement
22	Provide history tracking and trail of movement of a specific vehicle
23	Facility to create geo fences in the back end.
24	Real time monitoring of multiple vehicles / trucks in a single dashboard with below features • Heterogeneous GPS device tracking • Alert Management

	• Trip Management • Actual Distance Measurement • Delay deliverable time • Route deviation monitoring. • Geofencing • Tampering Alert • Ability to support/track minimum 3000 vehicles
25	AIS-140 certified for Vehicle Location Tracking Unit/Device for uniformity in protocol for smooth mapping at VTS platform
B	**Alerts& MIS**
1	Provide facility of alert generation in the backend
2	Ability to define new alerts on specific events
3	Alert receive from the on-board devices in case of tampering
4	Vehicle moves out of its designated route or area
5	Data feed not received from the on-board device
6	Provide facility to define rules for alerts and their delivery mode like SMS, email, pop-up etc.
7	Management of notifications to various stakeholders by way of email or SMS
8	Facility to generate standard MIS reports based on stakeholder requirements
9	Facility to generate pre-defined customized MIS reports based on stakeholder requirements
10	Management of delivery of periodic reports to various stakeholders
C	**GPS Device Mapping& Management**
1	Capability to update the on-board devices' firmware from the backend
2	Capability to configure on-board device parameters from the backend.
3	Capacity to support maximum number of protocols/models of GPS devices from different manufacturers
4	Integrate the new vehicle tracking device model by developing the module for integrating the protocol of new device vendor.
5	Facility to add new vehicles and new On-board devices in the system
6	Capacity of tracking minimum 5000 vehicles at a time
7	VTS should allow for empaneled device vendor/dealer registration
8	Create user login for the device vendor as an admin for his own user/ sub-vendor.
9	System should allow the device vendor to upload the master data of the device such as: Device IMEI, Model number, Software version, Device serial number (if available)
10	At the time of fitment of device into vehicle, device vendor user should • Map the device IMEI with the vehicle number • Upload the permit owner details in the system • SIM details • Activate the device and start the tracking of the device
11	For integrating the new device vendor of vehicle tracking unit, system must support the integration of data received from devices
12	The system should have the functionality to replace/upgrade the on-board device and maintain the audit trail of any changes

13	System should also facilitate the change of device firmware as well as the change of configuration data of the device.
14	VTS should be able to send a configurable e-mail alerts to the device vendor regarding the health & performance of devices belonging to each device vendor.
15	The vendor dashboard should have ability to show various detail at pertaining to devices install.
16	The tracking device must use GPS technology for acquiring the position of the vehicle & GPRS technology for transmitting the same to the central data base server with a facility to automatically switch to SMS in the event of non-availability of GPRS connectivity.
17	To ensure protocol integration support to MARKFED enlisted VTD units fulfilling the pre-defined criteria, and in case MARKFED requires for any upgrades on firmware/ OTA changes, the same has to be provided without any charges.
D	**User Management & Access Control**
1	Ability to create new users and assign a specific role in VTS
2	Facility to create user level/roles for access to data/modules
3	Registration of users
4	To identify and control the state of users that will have the right to log into the application and use it.
5	Provide feature of activating or deactivating any users
6	Ability to query and filter users that are currently logged in network, and control user login counts and login times.
7	Allow for robust password control and recycling of password allotment to people
E	**Maps, Route and Geo-fence**
1	The VTS should have a feature to search/ show a group of vehicles on the map and also should allow searching/ showing of geo-fences, landmarks, addresses on the map, allowing it to be searched from a search bar on the map window
2	The map engine should support tiling catching to provide faster response.
3	Geo-fencing capability such as polygon geofence, route geofence etc.
4	Facility to create routes using google KML files
5	Mapping of route with origin destination pair
6	The vehicle will be tracked based on the route configured in the system for the origin destination pair as per transit permit of that vehicle
7	VTMS shall have GIS Maps extension to allow plotting different markups and indications on a map view using vehicle and spatial map layers. It shall allow the user to zoom and p an freely through the map, and be able to present visualizations on GIS map data as per MIS dashboard requirements / formats
8	The VTS application should support integration with different types of Maps, GIS Maps a nd the required maps for route navigation (Google maps / Digital maps / Customized ma ps licenses) have to be provided by the successful bidder at their cost.
F	**Audit Features**
1	Auditing and reporting to meet internal security and compliance requirements
2	Should provide auditing and reporting of profile data, change history, and user Permissions

3	The Role Based Access Control (RBAC) must be based on a centralized authorization policy for all subsystems
4	Able to generate the history data of last one year
5	Maintenance of all needful audit requirement log data
G	**Integration**
1	Integration with existing NIC Software/ database
2	SMS Gateway integration to send bulk SMS to the groups/individuals through manual or system generated facility
3	Email Gateway integration
4	Integration with different APIs provided by heterogeneous GPS device manufacturer
H	**Help Desk/Grievance**
1	Ability to log the complaint through the telephone/email/web portal related to: • Request for installation of GPS devices • Fault of GPS devices
2	Generate the ticket number for every complaint received over phone & other source and make entry into VTS Grievance module
3	After resolution of complaint, ticket should be closed and a message should be deliver to the complainant
4	The proposed helpdesk solution must support tracking of SLA
5	

8.2 ANNEXURE-II: Technical Specification of GPS device

Sl. No.	Minimum Technical Specification of VTD
A	**General Features**
1	GPS with any augmentation type i.e. GAGAN (Location, speed, heading, timestamp) data polling and sending frequency capability of less than or equal to 10 sec.
2	Location on demand on GPRS/SMS
3	Non-volatile memory to store min 10,000 positional log
4	Configurable backup SMS facility in case of GPRS failure
5	Capability to send serving and adjacent cell ID as well as network measurement report (NMR)
6	Should be able to send data to at least 2 IP addresses simultaneously
B	**GPS Module Specifications**
1	Parallel GPS Receiver -20-Channel or more
2	Acquisition sensitivity: equal to or better than (-)148 dBm
3	Tracking sensitivity equal to or better than (-)165 dBm
4	Accuracy of Less than 6m Positional Accuracy 2DRMS (on ground) or 2.5 m CEP (on ground)
5	Hot start <5s
6	Warm start:< 30s
7	Cold start < 40 s
8	Outputs as per NMEA 0183
9	A-GPS
C	**Communication Module/ Network Specifications**
1	In - Built Quad-band GPRS module/Modem
2	The device should support the M2M embedded SIM & M2M Robust Plastic SIM to Survive the automotive operational requirement such as vibration, temperature and humidity and provide Long life span with I. At least 10 years life II. High stress memory support > 2Million E/W cycles per file III. Outside of HSM 500k E/W cycles
3	Multi Slot GPRS
4	GPRS class 10 or above
5	Should support all – SMS, Voice, Data, GPRS, TCP/IP with multi network switching and OTA network update.
6	Devices need to support at least 2 different network provides for GPRS connectivity. The device should try and shift between various service providers in case of GPRS failure.
D	**Power Characteristics**
1	Power Source –Vehicle Battery Input voltage range 8 – 32 volts
2	Battery backup of minimum of 4 hours @ 60 seconds transmission
E	**Environmental Variables**
1	Temperature range; -10° C to 85° C

2	Humidity Level: 5% to 95% non-condensing
3	Dust, temperature, vibration and water resistant, Tamper proof
4	IP 67 rated or better
5	Automotive grade unit with components and manufacturing process as required for automotive use.
F	**Antennae**
1	Should have internal GPRS antenna
2	Should have internal GPS antenna
G	**Port/Sensors (External I/O**
1	4 or more digital inputs
2	2 or more digital outputs (for relays, sirens etc.)
3	1 or more analog inputs (For analog input like fuel, temperature etc.)
4	Ignition Sensing
5	1 nos RS232 port
6	3 Axis Accelerometer
H	**Geofencing**
1	Should be capable of storing 15 or more Geo-fences
2	Facility to update Geo-fence master in the device over the air
I	**Other Features**
1	Device should be capable of sending a packet to at least 2 different IP's.
2	Status LED's to indicate Power, GPS, and GPRS status.
3	Over the Air Download of firmware as well as configuration parameters.
4	Remote administration & firmware update over the air.

8.3 ANNEXURE-III: Format for sending Pre-Bid Queries

Name of Bidder/Company
Address of Head Office
Mobile no. of the bidder's representative
Email Id of the bidder's representative
Date of Pre-Bid Queries submission
RFQ name & Tender no.

Sl. No.	Clause No.	Pg. No.	Content of RFP Requiring Clarification	Change Requested/ Clarification required

Note: Please send pre-bid queries in format as specified above in editable excel through email before due date & time. Otherwise queries would not be considered.

8.4 ANNEXURE-IV: Pre-Qualification Cover letter

Pls submit this as a part of Pre-Qualification Bid

(To be submitted on the letterhead of the bidder)

Place:

Date:

To,

The Managing Director,
MARKFED,
NAVA RAIPUR ATAL NAGAR, CHHATTISGARH

Subject: Submission of proposal in response to the RFP for "selection of SI for supply, installation, development, implementation and maintenance of GPS based vehicle tracking system for Markfed, Chhattisgarh"

Ref: RFP No.:

Dear Sir,

Having examined the RFP, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to provide the professional services as required and outlined in the RFP for the Selection of SI for supply, installation, development, implementation and maintenance of GPS based vehicle tracking system for Markfed, Chhattisgarh".

We attach hereto our responses to pre-qualification requirements and technical & commercial proposals as required by the RFP. We confirm that the information contained in these responses or any part thereof, including the exhibits, and other documents and instruments delivered or to be delivered to MARKFED, Chhattisgarh is true, accurate, verifiable and complete. This response includes all information necessary to ensure that the statements therein do not in whole or in part mislead the MARKFED, Chhattisgarh in its short-listing process.

We fully understand and agree to comply that on verification, if any of the information provided here is found to be misleading the selection process, we are liable to be dismissed from the selection process or termination of the contract during the project, if selected to do so.

We agree for unconditional acceptance of all the terms and conditions set out in the RFP document and also agree to abide by this tender response for a period of 180 days from the date of submission of bid. We hereby declare that in case the contract is awarded to us, we shall submit the contract performance guarantee bond in the form prescribed the RFP.

We agree that you are not bound to accept any tender response you may receive. We also agree that you reserve the right in absolute sense to reject all or any of the products/ services specified in the tender response.

It is hereby confirmed that I/We are entitled to act on behalf of our company/ corporation/ firm/ organization and empowered to sign this document as well as such other documents, which may be required in this connection.

_____

Signature of Authorized Signatory (with official seal)

Name:

Designation:

Address:

Telephone & Fax:

E-mail address:

8.5 ANNEXURE-V: Format to share bidder's particular

Pls submit this as a part of Pre-Qualification Bid

Name of the Bidder:
Name of the Project:

Sl. No.	Information	Details
1	Name of Bidding firm:	
2	Address and contact details of Bidding firm:	
3	Firm Registration Number and Year of Registration	
4	Web Site Address	
5	Status of Firm/ Company (Public Ltd., Pvt. Ltd., Proprietorship/ partnership firm)	
6	Company's Service Tax Registration No. (GST)	
7	Company's Permanent Account Number (PAN)	
8	Company's Turnover for last FY 2018-19	FY 2018-19:
9	Company's Net WorthProfitability for the last FY	FY 2018-19:
10	Whether Manufacturer?	
11	Whether authorized dealer/ Service Provider?	
12	Name, Designation and Address of the contact person to whom all references shall be made regarding this RFP:	
13	Telephone number of contact person:	
14	Mobile number of contact person:	
15	Fax number of contact person:	
16	E-mail address of contact person:	
17	EMD Details	Amount in INR: DD/BG No. & Date Name of the Issuer Bank: Valid up to:

8.6 ANNEXURE-VI: Format to share bidder's Turnover details

Pls submit this as a part of Pre-Qualification Bid

Name of the Bidder:
Name of the Project:

Turnover Details

(Submit on company letter head)

Sl. No.	Financial Year	Turnover from IT/ITES/Supply of GPS Devices, Development, Customization of Vehicle tracking system	Net worth of Company
	(1)	(2)	(3)
1	FY 2018-19		
2	FY 2017-18		
3	FY 2016-17		

Note:

1. Turnover in areas other than mentioned above shall not be considered for evaluation.

2. Please attach audited Balance Sheets and IT return statements to confirming the figures mentioned in columns (2).

3. Bidder should submit the Audited balance sheet / Profit & Loss statement / certificates from CFO of the Company duly audited by the Charted Accountant and certified by the Company Secretary for all the above stated three financial years, as per PQ criteria of this RFP.

Place: Bidder's signature

Date: Seal

8.7 ANNEXURE-VII: Project Experience

Pls submit this as a part of Pre-Qualification Bid

Name of the Bidder:
Name of the Project:

Project Experience

(Submit on company letter head, for each separate project)

Particulars	Details
Name of Client Department	
Contact details and address of the department	
Value of the Project (in Rs.)	
Date of Start of Work (DD/MM/YY)	
Date of Completion of Work (DD/MM/YY)	
Brief Description of Work	
No. of vehicles wherein VTS software implemented along with GPS devices installed	**No. of vehicles in Government Project:** **No. of vehicles in Private Project:**
Enclosures submitted: Yes/No	

Note:

1. Please submit supporting documents to support the claim and the certificates must be signed by the signatory authorityof the organization clearly indicating his/her name, designation and contact details such as Telephone Number, Fax number, email-id etc.

2. Please attach certificate from the client for the successful completion & implementation of project.

Place: Bidder's signature

Date: Seal

8.8 ANNEXURE-VIII: Format for declaration by the bidder for not being Blacklisted

Pls submit this as a part of Pre-Qualification Bid

(To be submitted on the letterhead of the bidder)

Place:

Date:

To,

The Managing Director,
MARKFED,
NAVA RAIPURATAL NAGAR, CHHATTISGARH

Subject: Submission of proposal in response to the RFP for "selection of SI for supply, installation, development, implementation and maintenance of GPS based vehicle tracking system for Markfed, Chhattisgarh"

Ref: RFP No.:

Dear Sir,

I, authorized representative of _____, hereby solemnly confirm that the Company _____ is not banned by the Government of Chhattisgarh/ Any other state government/ Government of India which includes any Government Department, Public Sector Undertakings of the Government, Statutory Boards formed by the Government, Local Bodies in the State, Co-operative Institutions in the State, Universities and Societies formed by the Government for any reason as on last date of submission of the Bid. In the event of any deviation from the factual information/ declaration, MARKFED, Government of Chhattisgarh reserves the right to reject the Bid or terminate the Contract without any compensation to the Company.

Thanking you,

Yours faithfully,

_____

Signature of Authorized Signatory (with official seal)
Date:
Name:
Designation:
Address:
Telephone & Fax:
E-mail address:

8.9 ANNEXURE-IX: Technical Bid Cover letter

Pls submit this as a part of Technical Qualification Bid

(To be submitted on the letterhead of the bidder)

Place:

Date:

To,

The Managing Director,
MARKFED,
NAVA RAIPURATAL NAGAR, CHHATTISGARH

Subject: Submission of proposal in response to the RFP for "Selection of SI for supply, installation, development, implementation and maintenance of GPS based vehicle tracking system for Markfed, Chhattisgarh"

Ref: RFP No.:

Dear Sir,

Having examined the RFP, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to provide the professional services as required and outlined in the RFP for "Selection of SI for supply, installation, development, implementation and maintenance of GPS based vehicle tracking system for Markfed, Chhattisgarh "

We attach hereto the technical response as required by the RFP, which constitutes our proposal. We undertake, if our proposal is accepted, to adhere to the implementation plan (Project schedule) for providing Professional Services in "Selection of SI for supply, installation, development, implementation and maintenance of GPS based vehicle tracking system for Markfed, Chhattisgarh ", put forward in RFP or such adjusted plan as may subsequently be mutually agreed between us and MARKFED or its appointed representatives.

If our proposal is accepted, we will obtain a Performance Bank Guarantee issued by a nationalized bank in India, for a sum of equivalent to full value of the contract value for the due performance of the contract.

We agree for unconditional acceptance of all the terms and conditions set out in the RFP document and also agree to abide by this tender response for a period of 180 days from the date of submission of Bid and it shall remain binding upon us with full force and virtue, until within this period a formal contract is prepared and executed, this tender response, together with your written acceptance thereof in your notification of award, shall constitute a binding contract between us and MARKFED.

We confirm that the information contained in this proposal or any part thereof, including its exhibits, schedules, and other documents and instruments delivered or to be delivered to MARKFED is true,

accurate, and complete. This proposal includes all information necessary to ensure that the statements therein do not in whole or in part mislead MARKFED as to any material fact.

We agree that you are not bound to accept any tender response you may receive. We also agree that you reserve the right in absolute sense to reject all or any of the products/ services specified in the tender response.

It is hereby confirmed that I/We are entitled to act on behalf of our company/ corporation/ firm/ organization and empowered to sign this document as well as such other documents, which may be required in this connection.

CERTIFICATE AS TO AUTHORISED SIGNATORIES

I_____, the Company Secretary of _____, certify that_____ who signed the above Bid is authorized to do so and bind the company by authority of its board/ governing body.

Date:

Signature:

(Company Seal) (Name)

8.10 ANNEXURE-X: Commercial Proposal Submission Form

[Location, Date]

To:

The Managing Director,
MARKFED,
NAVA RAIPURATAL NAGAR, CHHATTISGARH

Subject: Submission of proposal in response to the RFP for "Selection of SI for supply, installation, development, implementation and maintenance of GPS based vehicle tracking system for Markfed, Chhattisgarh"

Dear Sirs:

We, the undersigned, offer to provide the for [Insert title of Assignment] in accordance with your Request for Proposal dated [Insert Date], and our Technical Proposal.

Our attached Financial Proposal is for the sum of [Insert amount(s) in words and figures].

This amount is inclusive of the Domestic taxes such as --------- (Indicate the amounts against each). We hereby confirm that the financial proposal is unconditional, and we acknowledge that any condition attached to financial proposal shall result in reject of our financial proposal.

Our Financial Proposal shall be binding upon us subject to the modifications resulting from Contract negotiations, up to expiration of the validity period of the Proposal.

We understand you are not bound to accept any Proposal you receive.

THANKING YOU,

Yours faithfully,

_____

Signature of Authorized Signatory (with official seal)
Date:
Name:
Designation:
Address:
Telephone & Fax:
E-mail address:

8.11 ANNEXURE-XI: Detailed Commercial Form

Sl. No.	Description	Qty. (Nos.)	Monthly charges per device (excl. GST) In INR	Total monthly charges (excl. GST) in INR	Total monthly charges (incl. GST)
A	B	C	D	F	G
				F=C*D	G=F+(F*18%)
1	Monthly payment proposed for each GPS based Vehicle Tracking Device along with SIM card and monthly recurring charges. The cost includes all the charges such as hosting, manpower deployed at HQ & field level, Software customization, maintenance, etc., for fulfilling all the requirements as per scope of the project defined in RFP	1500			

Grand Total in Words (with taxes):

_____

- **The total cost quoted above shall be released on monthly basis.**

Place:
Date:

Bidder's Signature
(with seal)

8.12 ANNEXURE-XII: EMD Bank Guarantee

Bank Guarantee Format for Earnest Money Deposit (EMD)

(To be provided in original on stamp paper of value required under law duly signed by authorized representative of Bank)

Tender Ref.

Date:

To,

The Managing Director,
MARKFED,
NAVA RAIPUR, ATAL NAGAR, CHHATTISGARH

This Deed of Guarantee executed at _____ by _____ (Name of the Bank) having its Head / Registered office at_____, and having one of its branches at _____ Chhattisgarh (hereinafter referred to as —"the Guarantor") which expression shall unless it be repugnant to the subject or context thereof include its heirs, executors, administrators, successors and assigns;

In favor MD, MARKFED, Government of Chhattisgarh, having its office at 6th flr, CBD Building, Nava Raipur, Chhattisgarh – _____, (hereinafter referred to as —"CG MARKFED") which expression shall unless it be repugnant to the subject or context thereof include its heirs, executors, administrators, successors and assigns;

Whereas Name of the bidder _____ Ltd., a Company / partnership firm / proprietorship concern registered under the _____(name of the relevant act/law under which incorporated) having its registered office at _____ (hereinafter called —"Bidder" which expression shall unless it be repugnant to the subject or context thereof include its executors, administrators, successors and assigns) has submitted its Proposal for award of — "Selection of SI for supply, installation, development, implementation and maintenance of GPS based vehicle tracking system for Markfed, Chhattisgarh" vide Invitation for Tender Document No _____ dated _____ issued by MARKFED CG, Government of Chhattisgarh (hereinafter referred to as —"the Project").

Whereas in terms of the Invitation for Tender Document No _____dated_____ (hereinafter referred to as Tender Document) issued by MARKFED, the Bidder is required to furnish to MD MARKFED an unconditional and irrevocable Bank Guarantee for an amount of INR _____ (INR _____ only) as Earnest Money Deposit and the Guarantor has at the request of the Bidder agreed to provide such Guarantee being these presents:

Now this Deed witnessed that in consideration of the premises, we, _____ Bank hereby agree, declare, undertake and guarantee as follows:

1. We as primary obligor hereby irrevocably, unconditionally and without reservation guarantee the due and faithful fulfilment and compliance of the terms and conditions of the tender by the said Bidder and unconditionally and irrevocably undertake to pay forthwith to MARKFED an amount not exceeding INR _____ (INR ____ only) without any demur, reservation, recourse, contest or protest and without reference to the Bidder, if the Bidder has failed to comply with and fulfil all or any of the terms and conditions contained in the tender. A letter from MARKFED stating that the Bidder is in default in the due and faithful fulfilment and compliance with the terms and conditions contained in the tender shall be final, conclusive and binding on the Bank, in respect of the forfeiture of the Earnest Money Deposit and the amount due and payable under this Guarantee.
2. This Guarantee shall remain in full force and effect for a period of 180 (One hundred and Eighty) days from the _____ (Proposal Due Date).
3. Subject to clause 1 above, any claim for payment under this Guarantee shall be in the form of a written declaration by MARKFED,CG.

4. We.....Bank further agree that MARKFED shall be the sole judge as regards the determination as to whether the Bidder is in default of due and faithful fulfilment and compliance of the terms and conditions contained in the Tender and the decision of MARKFED in this regard shall be final and binding on us, notwithstanding any differences between MARKFED and the said Bidder and/or any dispute between MARKFED and the Bidder pending before any Court, Tribunal, Arbitrator or any other authority.
5. MARKFED shall have the full liberty without affecting in any way the liability of the Bank under this Guarantee from time to time to vary any other terms and conditions of the said Tender document or to extend the time frame for completion of bidding process or the period of fulfilment and compliance with the terms and conditions contained in the said Tender document by the said Bidder or to postpone for any time and from time to time any of the powers exercisable by it against the said Bidder and either to enforce or forbear from enforcing any of the terms and conditions contained in the said Tender document or the securities available to MARKFED and the bank shall not be released from its liability under these presents by any exercise by MARKFED of the liberty with reference to the matters aforesaid or by reason of time being given to the said Bidder or any other forbearance, act or omission on the part of MARKFED or any indulgence by MARKFED to the said Bidder or of any other matter or thing whatsoever which under the law relating to sureties would but for this provision have the effect of releasing the Bank from its such liability.
6. Any notice by way of request, demand or otherwise hereunder shall be sent by courier or by registered mail to the Bank, addressed as aforesaid.
7. We undertake to make the payment on receipt of your notice of claim on us addressed to _____ (name of Bank along with branch address) and delivered at our above branch that shall be deemed to have been duly authorized to receive the said notice of claim.
8. It shall not be necessary for MARKFED to proceed against the said Bidder before proceeding against the bank and the Guarantee herein contained shall be enforceable against the bank, notwithstanding any other security which MARKFED may have obtained or obtained from the said Bidder, shall at the time when proceedings are taken against the bank hereunder, be outstanding or unrealized.
9. We _____ Bank lastly undertake not to revoke this guarantee during its currency except with the previous express consent of MARKFEDin writing and agree that any change in the constitution of the Bank or the said Bidder shall not discharge our liability hereunder.
10. The Bank declares that it has the power to issue this guarantee and the undersigned have full powers to do so on behalf of the Bank.

Date _____ day of _____ 2019

Signature of the Issuing / Authority with seal

CORPORATE SEAL

For _____ Bank

Note: A covering letter of confirmation is also to be given by the bank along with this bank guarantee.

8.13 ANNEXURE-XIII: Performance Bank Guarantee

For Contract Performance Bank Guarantee

Ref: _____ Date: _____

Bank Guarantee No.: _____

To,

The Managing Director,
MARKFED,
NAVA RAIPUR, ATAL NAGAR, CHHATTISGARH

Ref:

Dear Sir,

PERFORMANCE BANK GUARANTEE – For "Selection of SI for supply, installation, development, implementation and maintenance of GPS based vehicle tracking system for Markfed, Chhattisgarh"

WHEREAS

M/s. (name of Bidder), a company registered under the Companies Act, 1956, having its registered and corporate office at (address of the Bidder), (hereinafter referred to as "our constituent", which expression, unless excluded or repugnant to the context or meaning thereof, includes its successors and assigns), agreed to enter into a Contract dated …….. (Hereinafter, referred to as "Contract") with you for "Selection of SI for supply, installation, development, implementation and maintenance of GPS based vehicle tracking system for Markfed, Chhattisgarh", in the said Contract.

We are aware of the fact that as per the terms of the Contract, M/s. (name of Bidder) is required to furnish an unconditional and irrevocable Bank Guarantee in your favour for an amount of 10% of the Total Contract Value, and guarantee the due performance by our constituent as per the Contract and do hereby agree and undertake to pay any and all amount due and payable under this bank guarantee, as security against breach/ default of the said Contract by our Constituent.

In consideration of the fact that our constituent is our valued customer and the fact that he has entered into the said Contract with you, we, (name and address of the bank), have agreed to issue this Performance Bank Guarantee.

Therefore, we (name and address of the bank) hereby unconditionally and irrevocably guarantee you as under:

In the event of our constituent committing any breach / default of the said Contract, and which has not been rectified by him, we hereby agree to pay you forthwith on demand such sum/s not exceeding the sum of 10% of the Total Contract Value i.e.,……..<in words> without any demur.

Notwithstanding anything to the contrary, as contained in the said Contract, we agree that your decision as to whether our constituent has made any such default(s) / breach (es), as aforesaid and the amount or amounts to which you are entitled by reasons thereof, subject to the terms and conditions of the said Contract, will be binding on us and we shall not be entitled to ask you to establish your claim or claims under this Performance Bank Guarantee, but will pay the same forthwith on your demand without any protest or demur. This Performance Bank Guarantee shall continue and hold valid till 180 days after completion of the Contract Period, subject to the terms and conditions in the said Contract.

We bind ourselves to pay the above said amount at any point of time commencing from the date of the said Contract until 6 months after the completion of Contract Period.

We further agree that the termination of the said Agreement, for reasons solely attributable to our constituent, virtually empowers you to demand for the payment of the above said amount under this guarantee and we would honour the same without demur.

We hereby expressly waive all our rights: Requiring to pursue legal remedies against MARKFED; and For notice of acceptance hereof any action taken or omitted in reliance hereon, of any defaults under the Contract and any resentment, demand, protest or any notice of any kind.

We the Guarantor, as primary obligor and not merely Surety or Guarantor of collection, do hereby irrevocably and unconditionally give our guarantee and undertake to pay any amount you may claim (by one or more claims) up to but not exceeding the amount mentioned aforesaid during the period from and including the date of issue of this guarantee through the period.

We specifically confirm that no proof of any amount due to you under the Contract is required to be provided to us in connection with any demand by you for payment under this guarantee other than your written demand. Any notice by way of demand or otherwise hereunder may be sent by special courier, telex, fax, registered post or other electronic media to our address, as aforesaid and if sent by post, it shall be deemed to have been given to us after the expiry of 48 hours when the same has been posted. If it is necessary to extend this guarantee on account ofany reason whatsoever, we undertake to extend the period of this guarantee on the request of our constituent under intimation to you.

This Performance Bank Guarantee shall not be affected by any change in the constitution of our constituent nor shall it be affected by any change in our constitution or by any amalgamation or absorption thereof or therewith or reconstruction or winding up, but will ensure to the benefit of you and be available to and be enforceable by you during the period from and including the date of issue of this guarantee through the period.

Notwithstanding anything contained hereinabove, our liability under this Performance Guarantee is restricted to 10% of the Contract Value, and shall continue to exist, subject to the terms and conditions contained herein, unless a written claim is lodged on us on or before the aforesaid date of expiry of this guarantee.

We hereby confirm that we have the power/s to issue this Guarantee in your favor under the Memorandum and Articles of Association / Constitution of our bank and the undersigned is / are the recipient of authority by express delegation of power/s and has / have full power/s to execute this guarantee under the Power of Attorney issued by the bank in your favour.

We further agree that the exercise of any of your rights against our constituent to enforce or forbear to enforce or any other indulgence or facility, extended to our constituent to carry out the contractual obligations as per the said Contract, would not release our liability under this guarantee and that your right against us shall remain in full force and effect, notwithstanding any arrangement that may be entered into between you and our constituent, during the entire currency of this guarantee.

Notwithstanding anything contained herein:

Our liability under this Performance Bank Guarantee shall not exceed 10% of the Total Contract Value. This Performance Bank Guarantee shall be valid only from the date of signing of Contract to 180 days after the End of Contract Period; and
We are liable to pay the guaranteed amount or part thereof under this Performance Bank Guarantee only and only if we receive a written claim or demand on or before 180 days after the completion of Contract Period.

Any payment made hereunder shall be free and clear of and without deduction for or on account of taxes, levies, imports, charges, duties, fees, deductions or withholding of any nature imposts.

This Performance Bank Guarantee must be returned to the bank upon its expiry. If the bank does not receive the Performance Bank Guarantee within the above-mentioned period, subject to the terms and conditions contained herein, it shall be deemed to be automatically cancelled.

This guarantee shall be governed by and construed in accordance with the Indian Laws and we hereby submit to the exclusive jurisdiction of courts of Justice in India for the purpose of any suit or action or other proceedings arising out of this guarantee or the subject matter hereof brought by you may not be enforced in or by such count.

Dated …… this ……. Day …… 2019

Yours faithfully,

For and on behalf of the …… Bank,

(Signature)

Designation
(Address of the Bank)

Note:
This guarantee will attract stamp duty as a security bond.
A duly certified copy of the requisite authority conferred on the official/s to execute the guarantee on behalf of the bank should be annexed to this guarantee for verification and retention thereof as documentary evidence in the matter.

8.14 ANNEXURE-XIV: Manufacturer Authorization Form

On company letter head

Tender Ref. No. &date:

The authorization should be in the nature of a letter, memorandum or certificate regularly granted by the manufacturer to its channel partners, authorized solution providers, system integrators, distributors, etc. specific letter issued for the purposes of this tender. Such communication should include statements / undertakings from the said manufacturer to the followingeffect:

1. Guarantee and warranty coverage in respect of the goods and services manufactured by the said manufacturer shall be honored by that manufacturer, their channel partners, distributors, authorized service centers as the case maybe.

2. The manufacturer updates the bidder and their technical personnel with relevant technical literature, training and skill transfer workshops etc. on a regularbasis.

3. The manufacturer provides back to back technical support to the said bidder on a continuingbasis.

4. The said bidder is authorized to provide service and solutions using hardware, firmware and / or software as the case maybe.

Note: The letter of authority should be signed by a person competent and having the power of attorney to bind the manufacturer.

Authorized Signatory

8.15 ANNEXURE-XV: Check list of bid documents

Sl. No	Eligibility criteria	Online bid envelope	Compliance (Y/N)
1	Soft copy of the bank receipt for online transaction for tender document fee	PQ	
2	Scan copy of BG of Rs. 12,00,000/- (Rupees Twelve Lakhs only) towards Bid Security/EMD. Annexure- XII	PQ	
3	The sole bidder and or Consortium partner must be a Company registered under the Indian Companies Act, 1956 or 2013 OR a partnership firm registered under the Indian Partnership Act, 1932 OR a sole proprietorship firm registered under the Proprietorship Act, 1908 AND have their registered offices with legal presence in India. • Copy of Company Registration Certificate/ Certificate of Incorporation • A registered partnership firm should furnish a copy of IT returns for the last three financial years preceding the proposal due date as proof of identity and a copy of the partnership deed executed between the partners as a proof of identity • A sole proprietorship firm should furnish the IT returns for the last three financial years preceding the proposal due date as proof of identity	PQ	
4	The Sole bidder and or Consortium partner should be a GPS device manufacturer OEM/ authorized representative of a manufacturer / whole sale dealer. The bidder should be in business of supply and maintenance of the offered items in India for a minimum of 3 years period as on bid submission date. In case the bidder is not the Original Equipment Manufacturer, the Manufacturer's Authorization Form specific to this tender should be submitted with this bid. As per Annexure-XIV • Self-declaration certificate • MAF form (in case of bidder is not the OEM)	PQ	
5	The Sole bidder or prime bidder in case of consortium should have an annual financial turnover of at least INR 04 crore in last three financial years (FY 18-19, FY17-18, and FY 16-17) from IT software or GPS related Services, as on bid date. As per Annexure-VI • Audited Balance Sheets and P/L statement for last three financial years • Certificate from the CA	PQ	
6	Bidder and Consortium Partner should have positive net worth since last three FY (FY 18-19, FY17-18, and FY 16-17). • Certificate from the CA	PQ	
7	The bidder /Consortium Partner should have in-house development of GPS based Vehicle Tracking Software (monitoring dashboard) and should have valid CMMi level 3 or higher / ISO 9001: 2015 certification.	PQ	

	• Copy of valid CMMi/ISO certification		
8	The bidder /Consortium Partner should have experience in execution of minimum 1 projects of worth 75 lakhs in supply, installation, maintenance of GPS based complete solution (hardware + software) supply & installation of GPS hardware devices and, development/customization of vehicle tracking system, monitoring dashboard and reporting for any Central Govt./State Govt. Dept./PSU/Quasi Govt. organizations/ Private sector organizations in India. • Copy of Work Order AND Project Completion Certificate/ Customer satisfaction certificate/ Certificate for Go- Live of project	PQ	
9	The bidder /Consortium Partner should have executed similar GPS Vehicle Tracking Systems software with GPS device installation for at least 1500 vehicles in a single project and presently up & runningfor any Central /State Govt. Dept./PSU/ Quasi Govt. organizations/ Private sector organizations in India. • Copy of Work Order AND Project Completion Certificate/ Customer satisfaction certificate/ certificate Go live for project	PQ	
10	The bidder shall not be under a declaration of ineligibility for corrupt or fraudulent practices nor should have been black listed by any Govt. or Govt. undertaking organization at the time of submission of the bid. Annexure-VIII • Self-declaration certificate signed by the authorized signatory	PQ	
11	The bidder should have valid GST number • Copy of valid GST registration	PQ	
12	The bidder should have valid PAN number • Copy of PAN	PQ	
13	PQ Cover letter, as per Annexure-IV	PQ	
14	Bidders Particulars, as per annexure-V	PQ	
15	Technical Bid Cover Letter. Annexure- IX	TQ	
16	Projects Experiences for TQ, as per Annexure-Annexure-VII	TQ	
17	Commercial Proposal Submission Form. Annexure-X	Price Bid	
18	Detailed Commercial Form. Annexure-XI	Price Bid	
19	Soft Copy of Technical Presentation	At the time of technical presentation	

8.16 ANNEXURE-XVI: List of Storage Centres for deployment of field engineer

CG MARKFED-DISTRICT STORAGE CENTRES				
Sl. No.	**District Name**	**Sl. No.**	**Fertilizer Storage Centres**	**Paddy Storage Centres**
1	Raipur	1	Aarang	1. Abhanpur
		2	Mandirhasaud	2. Kurudbhata (Lakhauli)
		3	Siltara	3. Jaunda (Rajim)
		4	Tilda	4. Tilda
		5	Kharora	5. Dharsiwa
		6	Abhanpur	6. Baktara (Mandirhasaud)
		7	Nawapara	
		8	Dharsinwa	
2	Gariyaband	9	Rajim	7. KundelBhata
		10	Fingeshwar	
		11	Chhura	
		12	Devbhog	
		13	Gariyaband	
		14	Mainpur	
3	Balodabazar	15	Simga	8. Kasdol
		16	Bhathapara	9. Bhatapara
		17	Balodabazar	10. Hathband
		18	Kasdol	
		19	Bhatgaon	
		20	Palari	
		21	Tarenga	
4	Mahasamund	22	Mahasamund	11. Pithaora
		23	BagBahara	12. Basna
		24	Pithaura	13. Bagbahara
		25	Basna	14. Mahasamund
		26	Saraypali	15. Saraypali
5	Dhamtari	27	Dhamtari	16. Chitod
		28	Bhakhara	17. Devari (Bhakhara)
		29	Bhathagaon	18. Nagari Sihawa
		30	Magarload	19. Bhakhara
		31	Nagari	20. Bhatagaon (Kurud)
				21. Bhoyana
				22. Bhoyana (Javargaon)
6	Durg	32	Durg	23. Aarasnara
		33	Selud	24. Kaudiya
		34	Patan	25. Jevara Sirsa
		35	Dhamdha	26. Thengabhath
		36	Hathkhoj	27. Basin
				28. Selud
7	Balod	37	Balod	29. Jagatara
		38	Arjunda	30. Dhobanpuri
		39	Gundardehi	31. Fundabhata
		40	Gurur	
8	Bemetara	41	Bemetara	32. Lenjwara (sarda)
		42	Nawagarh	
		43	Hathkhoj (Berla) B	
		44	Dhamdha (Saja) B	

CG MARKFED-DISTRICT STORAGE CENTRES				
Sl. No.	**District Name**	**Sl.No.**	**Fertilizer Storage Centres**	**Paddy Storage Centres**
9	Rajnandgaon	45	Rajnandgaon	33. Kalkasa
		46	Dongargaon	34. Ghotiya
		47	Bandhabazar	35. Thelkadih
		48	Chhuriya	36. Bhandhabazar (Sevtatola)
		49	Dongargarh	37. Bijabhath (Laxmi Nagar)
		50	Khairagarh	38. Madurakahi
		51	Gandai	39. Singhola
		52	Pachpedhi (Thelkadih)	
10	Kabirdham	53	Kawardha	40. Dhabarabhat
		54	Pandriya	41. Bazarcharbhata
		55	Sahaspur Lohara	
11	Jagdalpur	56	Jagdalpur	42. Chhotedevara
		57	Bakawand	43. Jagdalpur
		58	Tikralonhaga	
12	Kondagaon	59	Kondagaon	44. Kondagaon
		60	Makadhi	
		61	Keshkal	
13	Narayanpur	62	Narayanpur	
14	Dantewada	63	Gidam	45. Gidam
15	Sukma	64	Sukma	46. Krishi upaj mandi
		65	Konta	
16	Bijapur	66	Bijapur	
		67	Bhopalpattnam	
17	Kanker	68	Narharpur	47. Kanker
		69	Charama	48. Kanker – 2
		70	pakhanjur	49. Bhanupratappur
		71	Kanker	50. Lakhanpuri
		72	Bhanupratappur	
18	Bilaspur	73	Sakari	51. Pendraroad
		74	Pendraroad	52. Bilha
		75	Kota	53. Bharnibhatha
		76	Takhatpur	54. Mandiprangan Kota (Semartala)
		77	Ratanpur	55. Mopka
		78	Lohrasi	56. Semartala
		79	Jayramnagar	
		80	Umariya	
19	Janjgir	81	Janjgir	57. Bodasagar (Shero)
		82	Pamgarh	58. Mandi prangan Sakti
		83	Akaltara	59. Mill Prangan Janjgir
		84	Champa	60. Govt. Land Akaltara
		85	Sakti	61. Govt. Land Dabhara
		86	Dhabhra	
		87	Baradwar	

CG MARKFED-DISTRICT STORAGE CENTRES				
Sl. No.	**District Name**	**Sl. No.**	**Fertilizer Storage Centres**	**Paddy Storage Centres**
20	Mungeli	88	Mungeli	62. Pendri
		89	Lormi	63. Mungeli (Gitpuri)
		90	Sargaon	64. Mungeli (Aaraiband – 2)
				65. Mungeli (Aaraiband)
				66. Lormi
				67. Hathkera
21	Korba	91	Urga	68. Katghora
		92	Katghora	69. Dongaribhatha (Urga)
22	Raigarh	93	Raigarh	70. Kharsiya
		94	Kharsiya	71. Baramkela
		95	Gharghodha	72. Loharsingh
		96	Baramkela	73. Hardi
		97	Sarangarh	
		98	Dharamjaygarh	
23	Jashpur	99	Jashpur	74. Patthalgaon
		100	Baghicha	
		101	Kunkuri	
		102	Patthalgaon	
24	Sarguja	103	Ambikapur	75. Ambikapur (chikhalidih)
		104	Sitapur	76. Sitapur
25	Balrampur	105	Ramanujganj	77. Dakwa
				78. Rajpur Samiti Parisar
				79. Ramanujganj Mandi
26	Surajpur	106	Surajpur (Nawadhgiri)	80. Cold Storage Parisar
		107	Bisharmpur	81. Surajpur (Devnagar)
		108	Pratappur	82. Surajpur (Patarapara)
27	Koria	109	Janakpur	83. Chhinddandh
		110	Baikunthpur	
		111	Badhgaon	