

**CHHATTISGARH STATE MARKETING CORPORATION LTD., RAIPUR,
CHHATTISGARH**

**Tender for supply installation and maintenance of GPS Software with IT related items for
Foreign and Country Liquor Shops operated by Chhattisgarh State Marketing Corporation
Ltd.**

Tender. No.: CSMCL/Tender/2019-20/ 9. .Dated: 18-11-2019

DATE OF TENDER	.	18-11-2019
LAST DATE AND TIME OF TENDER	.	09-12-2019, 3.00PM
DATE AND TIME OF OF OPENING THE TECHNICAL BID	:	09-12-2019, 4.00PM

ADDRESS OF THE TENDERER:

**Managing Director,
CSMCL Aabkari Bhawan,
Second Floor Chokra Nala,
Labhandi, Raipur,
Chhattisgarh**

Issued by-

CSMCL (Chhattisgarh State Marketing Corporation Limited) Excise
Building, Ist Floor, Labhandi, Chhokra-Nala, Raipur, Chhattisgarh

DISCLAIMER

The information contained in this Request for Proposal (“RFP”) document or Information provided subsequently to bidders or applicants whether verbally or in documentary form by or on behalf of CSMCL (Chhattisgarh State Marketing Corporation is hereinafter referred to as CSMCL), is provided to the bidder (s) on the terms and conditions set out in this RFP document and all other terms and conditions subject to which such information is provided. This RFP document is not an agreement and is not an offer or invitation by Corporation to any parties other than the applicants who are qualified to submit the bids (hereinafter individually and collectively referred to as “Bidder” or “Bidders” respectively). The purpose of this RFP is to provide the Bidders with information to assist the formulation of their proposals. This RFP does not claim to contain all the information each Bidder require. Each Bidder may conduct its own independent investigations and analysis and is free to check the accuracy, reliability and completeness of the information in this RFP. Corporation makes no representation or warranty and shall incur no liability under any law, statute, rules or regulation as to the accuracy, reliability or completeness of this RFP. The information contained in the RFP document is selective and is subject to updating, expansion, revision and amendment. It does not purport to contain all the information that a Bidder require. Corporation does not undertake to provide any Bidder with access to any additional information or to update the information in the RFP document or to correct any inaccuracies therein, which may be OEM apparent.

Corporation reserves the right of discretion to change, modify add to or alter any or all of the provisions of this RFP and/or the bidding process, without assigning any reasons whatsoever. Such change will be published on the website and it will become part and parcel of RFP.

Corporation, in its absolute discretion and without being under any obligation to do so, update, amend or supplement the information in this RFP. Corporation reserves the right to reject any or the entire Request for Proposal / proposals received in response to this RFP document at any state without assigning any reason whatsoever. The decision of Corporation shall be final, conclusive and binding on all the parties.

ABOUT CORPORATION

Chhattisgarh State Marketing Corporation Ltd. is a Government of Chhattisgarh Undertaking, incorporated with a view to conduct/regulate the retail vending of county/foreign liquor across the State of Chhattisgarh, the Corporation has commenced its business from 1st of April, 2017.

1. **DEFINITION:**

1.1 Corporation means, unless excluded by and repugnant to context or the meaning thereof, shall mean 'Chhattisgarh State Marketing Corporation Ltd.', described in more detail in paragraph above and which has invited bids under this Request for Proposal and shall be deemed to include its Successor and permitted assigns.

1.2 'RFP' means this Request for Proposal for Selection of Bidders to assist the Corporation in carrying its business in agile and transparent way.

1.3 'Bidder' means an organization submitting the proposal in response to RFP.

2. **ABOUT RFP:**

Corporation intends to deploy the following:

- A. Supply, Installation and Maintenance of GPS Software with Workstation at the CSMCL.
- B. Supply, Installation and Maintenance of Thermal Printer, Firewall, Note Counting Machine and Online UPS with accessories.

2.1 The RFP document is not a recommendation or invitation to enter the contract, agreement or any other arrangement in respect of the services. The provision of the services is subject to compliance to selection process and appropriate documentation being agreed between the Corporation and selected Agency as identified by the Corporation after completion of the selection process.

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1. SHORT TITLES USED IN THE TENDER DOCUMENT

1. Bidder	Bidder means the Service Provider Agency who makes a formal offer in pursuance of the Tender floated directly.
2. Successful Bidder	Successful Bidder means the Bidder who becomes successful through the Tender process.
3. Day	A day means a calendar day
4. Authorized Service Centre	Authorized Service Centre means a Service Centre run by the Bidder (Or through another party by entering into a valid commercial contract)
5. Cost	Cost means the total cost to be incurred towards A. Supply, Installation and Maintenance of GPS Software with Workstation at the CSMCL. B. Supply, Installation and Maintenance of Thermal Printer, Firewall, Note Counting Machine and Online UPS with accessories. C. Remote Management Devices Software.
6. Purchaser	Purchaser means CSMCL or the agencies identified by CSMCL for whom this empanelment is made through this Tender.
7. CSMCL	Procurement agency on behalf of Government of Chhattisgarh
8. Commissioning	Commissioning includes proper Software & Hardware Installation, Connection and Testing
9. End user	CSMCL or Agencies identified by CSMCL

2. SCHEDULE OF NIT

1	Tender No	
2	Tender Estimated Cost	Rs. 90 lac.
3	Name of the tender issuer	The Managing Director, CSMC Limited
4	Date of issue of tender document	11.11.2019
5	Last Date for Submission of Bids	09.12.2019 – 03:00PM
6	Date of Opening of Technical Bids	09.12.2019 – 04:00PM
7	Date of Commercial Bid opening	09.12.2018 – 04:30PM
8	Address of Communication	CSMCL, 4 th Floor, Aabkari bhawan, Labhandi, Raipur, Chhattisgarh– 492012
9	Earnest Money Deposit (EMD)	Rs. 2.70 Lakh in form of Demand Draft in favor of Managing Director, CSMCL
10	Cost of tender Form.	Rs. 10000.00

Note :- PSUs are exempted from EMD.

(Bid Document and subsequent clarifications on bid terms if any can be down loaded from CSMCL web site <https://excise.cg.nic.in/csmcl>. Bid Form downloaded from Web- site must be accompanied by DD for Rs. 10000.00 as cost of documents and the same should be kept with the TECHNICAL BID in addition to DD of Bid security (EMD)

3. **ELIGIBILITY CRITERIA**

This NIT is open to all the companies registered under Companies ACT and who are engaged in the field of IT software and are eligible to do business in Chhattisgarh under relevant Indian laws as in force at the time of bidding and meeting or exceeding all of the minimum Qualification criteria.

The Bidder must possess the requisite experience, strength and capabilities in providing the services necessary to meet the requirements as described in this tender Document. The Bidder must also possess the administrative capability, technical know-how and the financial wherewithal that would be required to successfully undertake the execution of orders during entire period of the Contract.

Any Bidder not meeting even one of the qualification criteria as mentioned below shall be summarily rejected. The Bidders shall enclose documentary evidence for fulfilling the Eligibility in the Technical Bid. If a bidder fails to enclose the documentary proof for eligibility, their bid will be summarily rejected.

S/No.	Minimum Eligibility Criteria	Proof to be submitted for fulfilling the Eligibility Criteria
1	The bidder must be Registered company and should be in existence for at least last 5 years, as on date of submission of bid.	The Bidder shall provide the registration Certificate as issued by Registrar of Companies Under Companies Act.
2	The Bidder must have a minimum average annual turnover of at least Rupees 50 Lakh in the last 3 audited financial years (FY15-16, FY 16-17 & FY 17-18) in India and should not be a loss making entity.	CA certified Audited Balance sheet and Profit & Loss account statement of the Bidder for each of the last 3 audited financial years OR Certificate duly signed by Statutory Auditor of the Bidder for total turnover in each of the 3 given years.
3	The Bidder should have all necessary licenses, permissions, consents, NOCs, approvals as required under law for carrying out its business..	A) Copies of GST registration Certificate & PAN No. B) Undertaking is provided by the bidder that he has all the requisite approval/NOC etc. as required under law to carry out its business.
4	The bidder should have completed at least one job, of worth Rs. 50 Lakh , of supply of IT/ Electronic items and integration/upgradation of software in any Govt./PSU Organization. The OEM of devices, wherever applicable, should have completed a similar project in any organization of repute.	Copy of PO placed by any of the departments of the Central, State Governments, PSUs or corporate of repute with project completion certificate.

5	Bidder should submit signed and scanned copy of the Authorization letter from the OEM/Manufacturer, which are the core of entire end-to-end setup, of GPS & RDM Software, Workstation, Firewall & UPS and its seamless integration with PSIM operational at Chhattisgarh Excise Data Centre.	- OEM Authorization Letters from GPS software OEM/OSD; PSIM OEM/OSD to be submitted along with offer. -
6	The bidder should not have been blacklisted / under a declaration of ineligibility for corrupt and fraudulent practices with any of the departments of the Central, State Governments and PSUs	An affidavit is to be submitted in this Regard
7	Estimated Cost of Work	Rs. 90 lac
8	Earnest Money Deposit (EMD)	Rs. 2.70 Lac on form of DD in favor of Managing Director, Chhattisgarh State Marketing Corporation Ltd

4. SCOPE OF WORK

CSMCL has rolled out successfully Hologram and barcode based retail sale of liquor, starting with IMFL retail outlets. Country Liquor, Beer and Bar related cases, have also been added and eventually entire sale of liquor for the state of Chhattisgarh will be 100% digitized.

All operations right from receiving of goods at retail store, inventory counting, reporting shortages and breakages and actual sale of liquor is driven by rugged mobile device along with preloaded mobile application designed and developed for CSMCL. This document outlines the Solution details of the desired GPS/GPRS based Vehicle Tracking Solution required by CSMCL for tracking their fleet effectively. The solution would be a state-of-the-art Vehicle Tracking Solution that would provide an effective and efficient tracking. The proposed business plan therefore makes the need for this solution to optimally track the fleet, even more significant. This consequentially helps in saving time and empowers the ecological aims of reducing organizational carbon footprint on earth. It automates manual processes with IT Enabled solutions which nullifies the use of physical maintenance of records thereby saves time and brings operational efficiency. In order to achieve this objective CSMCL intends to deploy the following:

- A. Supply, Installation and Maintenance of GPS Monitoring Software with Workstation.
- B. Supply, Installation and Maintenance of Thermal Printer, Note Counting Machine Firewall & Online UPS with accessories.

5. The selected bidder will be required to perform the following tasks:

- A. Supply, Installation and Maintenance of GPS Monitoring Software with Workstation.
- B. Supply, Installation and Maintenance of Thermal Printer, Note Counting Machine, Firewall & Online UPS with accessories.
- C. Supply, Installation and Maintenance of Remote Management Device Software.

CSMCL shall provide all Infrastructures such as Power, Air conditioning, access control. The bidders

are requested to visit CSMCL office and can have the information from Project manager CSMCL as per scope given in Annexure-I to III.

6. BID SUBMISSION

TENDER HAS TO BE SUBMITTED IN TWO PARTS

(A) The first part i.e. ENVELOPE "A" should contain "TECHNICAL BID WITH TECHNICAL AND COMMERCIAL TERMS WITHOUT THE PRICE"

The Documents to be Submitted in ENVELOPE "A" will be as follows :-

1. Dealers authorization as per Annexure-A
 2. Technical Specification of all items and all necessary certificates as per Annexure-I to III, duly signed and stamped
 3. Tender Terms and Conditions duly signed and stamped
 4. Bid Form (as ANNEXURE - C) duly signed and stamped
 5. Delivery Schedule PERT diagram
 6. Declaration form duly signed (as ANNEXURE - E)
 7. Un Priced " Price Bid as per Annexure D" confirming that the bidder has quoted all the line items. Piecemeal offer would not be accepted.
 8. Pre- Contract Integrity Pact duly signed and stamped (as ANNEXURE - F)
- (B) The second part of the tender namely ENVELOPE "B" should consist of the forms for the "price bid" (as ANNEXURE - D) duly filled, stamped and signed. The Tenderer would be required to give their best prices in this form and insert it in ENVELOPE "B".
- (C) Both these envelopes viz. Envelope "A" and "B" duly sealed and super scribed with the word - "ENVELOPE "A" - TECHNICAL BID AND "ENVELOPE "B" PRICE BID respectively are to be inserted in a sealed envelope marked as ENVELOPE "C" As explained above, this tender is of "TWO BID" system. First the envelope "A" will be opened on the due date and time of opening of the tender and the technical capability of the Tenderer for successfully completing the job will be evaluated. The material (item) will be evaluated for its conformity of the required specifications ONLY SUCCESSFUL TENDERER WHO QUALIFIES IN THE TECHNICAL EVALUATION FOR ALL ITEMS WILL BE CONSIDERED FOR PRICE BID OPENING. TENDERER WHO DO NOT QUALIFY IN THE TECHNICAL BID WILL NOT BE CONSIDERED FOR PRICE BID OPENING. Hence it is very essential that the Price Bid be given in the envelope "B" only.
- (D) Technical evaluation will be done in a manner as deemed fit by the CSMCL (henceforth referred as Corporation only). After opening the "Technical Bid" the Managing Director, CSMCL, Chhattisgarh, Raipur would assess the technical capability of the company and other details furnished by them, verified in a manner as deemed fit by the Corporation. The decision of the tender accepting authority viz. Managing Director, CSMCL, Chhattisgarh, Raipur in this regard shall be final.

Those who qualify in the "Technical Bid" shall only be invited to attend the opening of the "price Bid" and intimation of the date and time will be given to them accordingly.

7. AWARDING CRITERIA FOR CONTRACT

a. Suppression of facts and misleading information

- i. Information is brought to the notice of CSMCL. CSMCL shall have the right to reject the Bid and

if after selection, CSMCL would terminate the contract as the case may be, will be without any compensation to the Bidder and the EMD/ Security Deposit as the case may be, shall be forfeited.

- ii. Bidders should note that any figures in the proof documents submitted by the Bidders for proving their eligibility is found suppressed or erased, CSMCL shall have the right to seek the correct facts and figures or reject such Bids.
- iii. It is up to the Bidders to submit the full copies of the proof documents to meet out the criteria. Otherwise, CSMCL may not consider such documents.
- iv. The Bidder must quote for all the line items. Partial quote is not acceptable.
- v. The Bidder who has quoted overall lowest rate will be declared L1.
- vi. The Tender calls for full copies of documents to prove the Bidder's Experience and capacity to undertake the project.

b. Award of Contract

- i. If bidder fails to deliver the order beyond the delivery schedule as enshrined in PERT chart, **a grace period of 7 days will be allowed. However, a penalty as mentioned in service clause in this NIT will be imposed on the bidders availing grace period time (of 7 days). Further, CSMCL may reserve the right to cancel the order and terminate the contract for faulty Bidder.**
- ii. No dispute can be raised by any Bidder whose bid has been rejected and no claims will be entertained or paid on this account.

c. CSMCL reserves the right to

- i. Negotiate with the Bidder whose offer is the lowest evaluated price for further reduction of prices.
- ii. Insist on quality/specification of materials to be supplied.
- iii. Modify, reduce or increase the quantity requirements to an extent of 50% of the Maximum Tendered quantity within one year period from signing of Contract.
- iv. Change the list of areas of supply locations from time to time based upon the requirement of the purchase.

8. GENERAL TERMS AND CONDITIONS OF THE BID

Note: Bidders must read these conditions carefully and comply strictly while submitting their bids.

1. THE BIDDER IS EXPECTED TO EXAMINE ALL INSTRUCTIONS, forms, terms, and specifications in the bidding documents. Failure to furnish all information required in the bidding documents or submitting a Bid not substantially responsive to the bidding documents in any respect may result in the rejection of the Bid.
2. **THE BIDDER SHALL BEAR ALL THE COSTS** associated with the preparation and submission of its bid, and CSMCL in no case will be responsible or liable for these costs, regardless of conduct or out OEM of bidding process.
3. **PROFESSIONAL EXCELLENCE AND ETHICS.** Tendering Authority requires that all Bidders participating in this Bid adhere to the highest ethical standards, both during the selection process and throughout the execution of the contract.
- 4 **CURRENCY OF FINANCIAL PROPOSAL** shall be made in Indian Rupees (INR) only.
5. **FAILURE OF THE SUCCESSFUL BIDDER** to comply with all the requirements shall constitute sufficient grounds for the annulment of the award, in which event CSMCL may make the award to the next lowest evaluated bidder or call for new bids.
6. **AMENDMENT/CANCELLATION:** The Tendering Authority reserves the right to cancel this Tender at any time without any obligation to the Bidders. The Tendering Authority at any time, prior to the deadline for submission of Proposals, may amend the Tender by issuing an addendum in writing or by standard electronic means. The addendum will be binding on all the Bidders. Bidders shall acknowledge receipt of all amendments. To give Bidders reasonable time to take an amendment into account in their Proposals, the Tendering Authority may, if the amendment is substantial, extend the deadline for the submission of Proposals.
7. **RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS:** The Tendering Authority reserves the right to accept any bid, and to annul the bid process and reject all bids at any time prior to award of contract, without assigning any reason & 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 the action.
8. **THE TENDERING AUTHORITY RESERVES THE RIGHT TO ACCEPT ANY BID** not necessarily the lowest, reject any bid without assigning any reasons for entering into the Contract.
9. **CONDITIONAL BIDS:** If a bidder imposes conditions, which is in addition to or in conflict with the conditions mentioned herein, his bid is liable to be summarily rejected. In any case none of such conditions will be deemed to have been accepted unless specifically mentioned in the letter of acceptance of bid issued by the Tendering Authority.
10. **PERIOD OF VALIDITY.** Bids shall remain valid for **30** days after last date for bid submission prescribed by CSMCL which may be extended with mutual consent. A bid valid

for a shorter period may be rejected by CSMCL as non-responsive.

11. **NOTIFICATION OF AWARD:** Prior to the expiration of the period of the bid validity, CSMCL will notify the successful bidder in writing that its bid has been accepted. After notification of award bidder will submit Security deposit in the form of Performance Bank Guarantee and sign the Contract.
12. **ANY MATTER WHICH HAS NOT BEEN COVER EDUNDER THESE PROVISIONS** shall be governed as per the provisions of Chhattisgarh State Government Rules.
13. **PROPRIETARY RIGHTS:** The supplier shall indemnify the Purchase against all third party claims of infringement of patent, copy right, trademark, license or industrial design rights, software piracy arising from use of goods or any part thereof within India.
14. **DELAYS IN THE PERFORMANCE OF SUPPLIER'S OBLIGATION:** Any delay by the supplier in the performance of its delivery obligations shall render the supplier liable to any or all of the following sanctions – forfeiture of its performance security, imposition of liquidated damages and / or termination of the contract for default.
15. **PENALTY:** All the items should be delivered as per the schedule of delivery attached in the purchase order from the date of placement of order by CSMCL, any delay will attract penalty of 0.5% of the undelivered item value per week up to a maximum of 10% and the penalty shall be deducted from final amount payable by CSMCL against the Order.
16. **LIQUIDATED DAMAGES:** If the supplier fails to deliver any or all the goods or perform the services within the time period specified in the contract, CSMCL shall without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, (Not by way of penalty) 2% per week of the value of undelivered items maximum of 10 % and the penalty shall be deducted from final amount paid by CSMCL, CSMCL reserves the right to cancel the order in case the bidder will not deliver the equipment beyond 5 weeks after the delivery period.
17. **TERMINATION FOR DEFAULT:** CSMCL may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, terminate this contract in whole or in part and forfeit his Bid Security amount (EMD).
 - a. If the supplier fails to deliver any or all of the goods within the time period(s) specified in the contract.
 - b. If the supplier fails to perform any other obligation (s) under the contract; or
 - c. If the supplier, in either of the above circumstances does not rectify / remedy its failure within a period of 15 days (or such longer period as the CSMCL may authorize in writing) after receipt of the default notice from CSMCL. In the event CSMCL terminate the contract.

18. FORCE MAJEURE

- a. Notwithstanding the provisions of clauses 15, 16 and 17 the bidder shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligation under the contract is the result of an event of force majeure.
- b. For purposes of this clause, "Force Majeure" means an event beyond the control of the supplier and not foreseeable events may include, but are not restricted to, acts of CSMCL in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes and other acts of God.
- c. If a force majeure situation arises, the supplier shall promptly notify to CSMCL in writing of such condition and the cause thereof. Unless otherwise directed by CSMCL in

writing, the supplier shall continue to perform its obligation under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

- d. If the force majeure condition(s) mentioned above be in force for a period of 30 days or more at any times, CSMCL shall have the option to terminate the contract on expiry of 30 days of commencement of such force majeure by giving 14 days notice to the supplier in writing. In case of such termination, no damages shall be claimed by either party against the other, save and except those which had occurred under any other clause of this contract prior to such termination.

19. TERMINATION FOR INSOLVENCY: CSMCL may at any time cancel the Contract by giving written notice to the supplier, if the supplier becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to CSMCL.

20. TERMINATION FOR CONVENIENCE: CSMCL, may by 14 days time period written notice sent to the supplier, terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for CSMCL's convenience and the extent to which performance of work under the Contract is terminated and the date upon which such termination becomes effective.

21. RESOLUTION OF DISPUTES: CSMCL and the supplier 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. If, after thirty days from the commencement of such informal negotiations CSMCL and the supplier have been unable to resolve amicably a contract dispute, either party may require that the dispute be referred for resolution as per Arbitration and Conciliation Act, 1996.

22. APPLICABLE LAW: The contract shall be interpreted in accordance with the laws of India, irrespective of the place of delivery, the place of performance or place of payment under the contract. The contract shall deem to have made at the place in India from where the contract has been issued.

23. TAXES & DUTIES: Taxes and duties for the works assigned will be paid extra.

24. DEFENCE OF SUITS: If any action in court is brought against the CSMCL/ Consignee for failure or neglect on the part of the contractor to perform any acts, matters, covenants or things under the contract or for the damage or injury caused by the alleged omission of neglect on the part of the contractor, his agents, representatives or sub-contractors, workmen supplier or employees, the contractor in all such cases shall indemnify and keep CSMCL harmless from all costs, damages, expenses or decrees arising out of such action.

25. WARRANTY: All the Hardware items warranty should be 3 years and Software item should be covered for One year.

26. SPECIAL CONDITIONS OF BID

A) LOCATIONS FOR SUPPLY OF GOODS AND SERVICE:

- a. The equipment and Services under this contract shall be supplied and commissioned at the CSMCL headquarter
- b. The Supplier shall adhere to all the technical as well as commercial terms

irrespective of the location of the site.

- c. Insuring the goods in transit is the responsibility of the suppliers.
 - d. The successful Bidder shall send status report on delivery in the format to be prescribed in such intervals as may be required by CSMCL from time to time till the execution of the entire order. In case the Successful Bidder fails to carry out the warranty regulations, CSMCL would engage any other operator and carry out the service/replacement and deduct the amounts from the warranty amount retained by CSMCL as per the Payment terms or
 - e. from their pending bills or any money due or payable to them
 - f. Depending upon the ground situations and information from the District officials regarding failure in maintaining acceptance ratio/ warranty/ service delivery etc. on the bidder's part, CSMCL reserves the right to divert the supply of hardware from the allotted Successful Bidder.
 - g. The Bidder should provide all source codes and allied for management of software developed by the supplier Agency.
- B. INSURANCE:** The delivery of goods to the destination is the responsibility of the Successful Bidder only. The goods supplied under the contract should be covered for Comprehensively Insured by the Successful Bidder till delivery.
- C. ACCEPTANCE :**
The supplied Software/ Hardware should be in working condition.

D. BILLING:

The Successful Bidder shall raise the invoice in the name of CSMCL and shipping address will be the CSMCL Headquarter. A signed copy of delivery acceptance should be submitted with Invoice.

E. SUPPORT SERVICES:

1. The maintenance shall include replacement/repair of all faulty parts. The faulty items should be repaired/ restored/ replaced within 72 Hours.
2. The Purchaser reserves right to terminate the contract in the event of unsatisfactory maintenance and claim damages and Costs for non-fulfillment of contract.

F. PAYMENT TERMS

- i. All payments will be made in INR only.
- ii. 100% Payment will be released after acceptance certificate received in line with the payment terms mentioned on Purchase Order.
- iii. The Duties and Taxes as applicable at the time of supply within the Delivery Schedule specified in the Tender will be paid. In case, the Duties and/or Taxes have been reduced retrospectively, the successful bidder is liable to return the same.
- iv. The Successful Bidder will have full and exclusive liability for payment of all Duties, Taxes and other statutory payments payable under any or all of the Statutes/Laws/Acts etc. now or hereafter imposed.
- v. Bidder should be paid AMC/warranty extension at the rate quoted separately of all line items, after expiry of warranty.
- vi. Payment shall be made within 15 days of the submission of Invoices.

ANNEXURE “ A”

Certificate of Dealership/Authorization Letter/Warranty

(To be provided by the OEMs of devices as mentioned in this tender document On their Letterhead) to be enclosed with Technical bid

Date:

To,
Managing Director
CSMCL
Aabkari Bhawan Labhandi
Chokranala, Raipur,
Chhattisgarh-492001

Sir,

This is to certify that I/We am/are the Original Equipment Manufacturer in respect of the products listed below. I/We confirm that

<Name of Bidder> have due authorization from us to provide product(s) listed below and related service warranty, licensing and maintenance.

We endorse the warranty, contracting and licensing terms provided <Bidder> as per the requirement of this tender.

We further undertake that we as an OEM of the below mentioned equipments will discharge all responsibilities under warranty for the period indicated in the contract, in case the Bidder fails to do the same for any reason

We also certify that the below mentioned product being supplied by the <Bidder> meets the minimum specifications given in NIT

The authorization will remain valid till <Date of renewal of dealership>Sr.

No. Product Name1 <Fill Model number and Product name>

...

Thanking You,

Yours faithfully,

Authorized Signatory (ies)[In full and initials]: Name and Title of Signatory (ies): Name

of Bidding Company/Firm: _____

Address: _____

Bidding Company)

(Affix the Official Seal of the

Annexure “C”

BID FORM

To,
Managing Director
CSMCL
Aabkari Bhawan Labhandi
Chokranala, s, Raipur,
Chhattisgarh-492001

Sir,

Having examined the bidding documents, we undersigned, offer to supply and deliver (description of goods and services) in conformity with the said bidding documents as per the prices given in the price schedule. We undertake, if our bid is accepted, to commence delivery within (number) days and to complete delivery of all the items specified in the contract within (number) days calculated from the date of receipt of your Purchase Order.

We agree to abide by this bid for a period of 30 days from the date fixed for bid opening in instructions to bidders and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof, shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive. Dated day of
2019

Signature and Seal of the Bidder

ANNEXURE “D”
PRICE SCHEDULE

To,
Managing Director
CSMCL
Aabkari Bhawan Labhandi Chokranala,
Raipur, Chhattisgarh-492001

Bid form for bid no. Date of Opening.....

1. Wehereby offer to supply the following items at the prices and within the period indicated below :

Item	Description	Unit	Price per Unit	Total Price Exclusive of GST
(1)	(2)	(3)	(4)	(5)
A	GPS Software (As per tender specifications)	01 Set		
B	Workstation (As per tender specifications)	02 Nos.		
C	Thermal Printer (As per tender specifications)	75 Nos.		
D	Note Counting Machine (As per tender specifications)	300 Nos.		
E	Online UPS (As per tender specifications)	01 No.		
F	Firewall (As per tender specifications)	01 No.		
Grand Total (Sum of all Prices quoted in Column (5))				

2. AMC/warranty extension Rate of A, B, C, D, E, F to be quoted.

3. It is herewith certified that we have understood the instruction to bidders and also the general and special conditions of the bid and have thoroughly examined specifications and thoroughly aware of the nature of goods required and our offer is to supply goods strictly in accordance with the requirements and according to the terms mentioned in the bid.

4. Above rates are exclusive of all taxes and Rates are valid for a period of 1 year from signing date of Contract. Software subscription, wherever applicable, shall be paid annually in advance.

5. We will deliver the equipment as per required schedule given on the purchase order (requirement) received from CSMCL

6. The contract can be extended for further I year on mutually agreed terms and conditions on quoted rates.

- Note:-** a) The Bidders may prepare their bid form as per this Performa.
b) No change in the Performa is permissible.
c) No erasures or alterations in the text of the Bid are permitted. Any correction made in the bid shall bear initial by the bidder.

Date :..... 2019 (Signature and seal of manufacturer/ bidder)

ANNEXURE “ E”

DECLARATION FOR NOT BLACK LISTED

Date.....

To,
Managing Director
CSMCL
Aabkari Bhawan Labhandi
Chokranala, Raipur,
Chhattisgarh-492001

Dear Sir,

Ref.: Tender No.

I / We hereby confirm that our firm has not been banned or blacklisted by any government organization/Financial institution/Court /Public sector Unit /Central Government.

Signature of Bidder.....

Place : Name

.....

Date : Designation

.....

Seal

ANNEXURE- F

PRE-CONTRACT INTEGRITY PACT

1. GENERAL

- 1.1. This pre-bid contract Agreement (herein after called the Integrity Pact) is made on day of the month..... 20..... between, The CSMCL acting through Shri. (Designation of the officer, CSMCL) CSMCL called the "BUYER", which expression shall mean and include, unless the context otherwise requires, his successors in the office and assigns) and the First Party, proposes to procure (name of the Stores/Equipment/Work/Service) And M/s represented by Shri Chief Executive Officer (hereinafter called the "BIDDER/Seller", which expression shall mean and include, unless the context otherwise requires, his successors an permitted assigns) and the Second Party, is willing to offer/ has offered.
- 1.2. WHEREAS the BIDDER is a Private Company/Public Company/ Government Undertaking/ Partnership/Registered Export Agency, constituted in accordance with the relevant law in the matter and the BUYER is a Ministry/Department of the Government, performing its function on behalf of the Government of Chhattisgarh.

2. OBJECTIVES

NOW, THEREFORE, the BUYER and the BIDDER agree to enter into this pre-contract agreement, hereinafter referred to as Integrity Pact, to avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the Contract to be entered into with a view to:-

- 2.1. Enabling the BUYER to obtain the desired Stores/Equipment/Work/Service at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and
22. Enabling BIDDERS to abstain from bribing or indulging in any corrupt practices in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing any corrupt practices and the BUYER will commit to prevent corruption, in ay form, by its official by following transparent procedures.

3. COMMITMENTS OF THE BUYER

The BUYER commits itself to the following:-

- 3.1. The BUYER undertakes that no official of the BUYER, connected directly or indirectly with the contract, will demand, take promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.
- 3.2. The BUYER will, during the pre-contract stage, treat BIDDERS alike, and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to the other BIDDERS.
- 3.3. All the officials of the BUYER will report the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach. In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the BUYER with the full and verifiable facts and the same prima fade found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed, fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

4. COMMITMENTS OF BIDDERS

The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means an illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:-

- 4.1. The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.
- 4.2. The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage, or inducement to any official of the BUYER or otherwise in procuring the Contract of forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or dis-favour to any person in relation to the contract or any other contract with the Government.
- 4.3. The BIDDER further confirms and declares to the BUYER that the BIDDER in the original Manufacture/Integrator/Authorized government sponsored export entity of the stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BUYER or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.
- 4.4. The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payment he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.
- 4.5. The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
- 4.6. The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 4.7. The BIDDER shall not use improperly, for purpose of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposal and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.
- 4.8. The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- 4.9. The BIDDER shall not instigate or cause to instigate any third person to commit any of the acts mentioned above.

5. PREVIOUS TRANSGRESSION

- 5.1. The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the tender process.
- 5.2. If the BIDDER makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

6. EARNEST MONEY & SECURITY DEPOSIT

- 6.1. Every BIDDER while submitting commercial bid, shall deposit an amount as specified in RFP as Earnest Money/Security Deposit, with the BUYER through any of the following instruments:
 - (i) Earnest Money deposit through Bank Draft in favor of Managing Director, CSMCL, Raipur payable at Raipur
 - (ii) Security Deposit in form of Bank as per Clause of tender document
- 6.2. The Earnest Money/Security Deposit shall be valid upto a period of five years or the complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and BUYER, including warranty period, whichever is later.
- 6.3. In the case of successful BIDDER a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of Sanctions for violation shall be applicable for forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

6.4. No interest shall be payable by the BUYER to the BIDDER on Earnest Money/Security

Deposit for the period of its currency.

7. SANCTIONS FOR VIOLATIONS

7.1. Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the BUYER to take all or any one of the following actions, wherever required:-

(i) To immediately call off the pre contract negotiations without assigning any reason or giving any

compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.

(ii) To forfeit fully or partially the Earnest Money Deposit (in pre-contract stage) and/or Security Deposit/Performance Bond (after the contract is signed), as decided by the BUYER and the BUYER shall not be required to assign any reason therefore.

(iii) To immediately cancel the contract, if already signed, without giving any compensation to the

BIDDER. (iv) To recover all sums already paid by the BUYER, and in case of the Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the BUYER in connection with any other contract such outstanding payment could also be utilized to recover the aforesaid sum and interest.

(v) To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the

BIDDER, in order to recover the payments, already made by the BUYER, along with interest.

(vi) To cancel all or any other contracts with the BIDDER and the BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation/rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.

(vii) To debar the BIDDER from participating in future bidding processes of the Government of Chhattisgarh for a

minimum period of five years, which may be further extended at the discretion of the BUYER.

(viii) To recover all sums paid in violation of this Pact by BIDDER(s) to any middlemen or agent or broken with a view to securing the contract.

(ix) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.

(x) If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly

or indirectly, is closely related to any of the officers of the BUYER, or alternatively, if any close relative of an officer of the BUYER has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filling of tender. Any failure to disclose the interest involved shall entitle the BUYER to rescind the contract without payment of any compensation to the BIDDER.

The term 'close relative' for this purpose would mean spouse whether residing with the Government servant or not, but not include a spouse separated from the Government servant by a decree or order of a competent court; son or daughter or step son or step daughter and wholly dependent upon Government servant, but does not include a child or step child who is no longer in any way dependent upon the Government servant or of whose custody the Government servant has been deprived of by or under any law; any other person related, whether by blood or marriage, to the Government servant or to the Government servant's wife or husband and wholly dependent upon Government servant.

(xi) The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BUYER, and if he does so, the BUYER shall be entitled forthwith to rescind the contract and all other contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such rescission and the Buyer shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.

7.2. The decision of the BUYER to the effect that a breach of the provisions of this pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Monitor(s) appointed for the purposes of this Pact.

8. FALL CLAUSE

8.1. The BIDDER undertakes that if has not supplied/is not supplying similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Department of the Government of Chhattisgarh or PSU and if it is found at any stage that similar product/systems or sub systems was supplied by the BIDDER to any other Department of the Government of Chhattisgarh or a PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the BUYER,. if the contract has already been concluded.

9. INDEPENDENT MONITORS

9.1. The BUYER will appoint Independent Monitors (hereinafter referred to as Monitors) for this Pact.

9.2. The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

9.3. The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.

9.4. Both the parties accept that the Monitors have the right to access all the documents relating to the project/procurement, including minutes of meetings. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/Subcontractor(s) with confidentiality.

9.5. As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the BUYER.

9.6. The Monitor will submit a written report to the designated Authority of BUYER/Secretary in the Department/within

8 to 10 weeks from the date of reference or intimation to him by the BUYER/BIDDER

and, should the occasion arise, submit proposals for correcting problematic situations

10. FACILITATION OF INVESTIGATION

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information of the relevant documents and shall extend all possible help for the purpose of such examination.

11. LAW AND PLACE OF JURISDICTION

This Pact is subject to Indian Law, the place of performance and jurisdiction shall be the seat of the BUYER.

12. OTHER LEGAL ACTIONS

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the any other law in force relating to any civil or criminal proceedings.

13. VALIDITY

13.1. The validity of this Integrity Pact shall be from the date of its signing and extend up to 5 years or the complete execution of the contract to the satisfaction of both the BUYER and the BIDDER/Seller whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract.

13.2. If one or several provisions of this Pact turn out to be invalid; the remainder of this Pact shall remain valid. In such case, the parties will strive to OEM to an agreement to their original intentions.

14. The parties hereby sign this Integrity Pact at

on.....

BUYER SIGNATURE

BIDDER SIGNATURE

Name of the Officer

CHIEF EXECUTIVE

OFFICER Designation

Department / PSU

Witnesses

Witnesses

1).....
.....
.....

1).....

2).....
.....
.....

2).....

ANNEXURE- G

**LETTER OF AUTHORISATION FOR ATTENDING BID
OPENING (To reach on ____ or before date of bid opening)**

To

Managing Director
CSMCL Aabkari
Bhawan Labhandi
Chokranala, s,
Raipur, Chhattisgarh-492001

Subject – Authorisation for attending bid opening on _____(date) in the
Tender of

_____.

Following persons are hereby authorized to attend the bid opening for the tender mentioned
above on behalf of _____(Bidder) in order of preference given below.

Order of Preference	Name	Specimen Signature
----------------------------	-------------	---------------------------

I.

II

.

Alternate Representative

Signature of bidder

Or

Officer authorized to sign the bid
Documents on behalf of the bidder

Annexure-I

1. GPS Software Specifications:

It should be off-the-shelf IoT and Telematics compatible available software through which CSMCL is able manage and control their fleet across different locations. The proposed Vehicle Tracking Solution should aim at optimizing the usage of shared resources of transport industry. It should have the functionality to analyze, and fulfils the requirement of route optimization for goods transportation by trucks. It should automates manual processes with IT Enabled solutions which nullifies the use of physical maintenance of records thereby saves time and brings operational efficiency. It should be an end-to-end solution of fleet management for CSMCL with following provisions:

GENERAL SPECS:

VEHICLE TRACKING FEATURES

- **Monitoring vehicle parameters**
 - Vehicle Ignition status
 - Current Speed of the vehicle
 - Kilometre run by vehicle in a day
 - Vehicle Activity
- **Vehicle tracking**
 - Live Tracking
 - History Tracking (play and trace)
 - View location
- **Alert Management (Configurable SMS, E-mail, and Dashboard alerts)**
 - Over speed
 - Device Low power Alert
 - Main Power Removal
- **Alarm Management (Configurable SMS, E-mail, Dashboard Pop-up alarms)**
 - Power Cut-Off
- **Hardware Features supported**
 - Accuracy <5 mts
 - IP65 case rating
 - Inbuilt battery of 1100 mAh, works upto 6 hours even if disconnected from main power connection.

POLLING FREQUENCY supported

Data transfer rate through GPRS/GSM/3G/4G to the server to be done at 30 secs

DISCRETE MOUNTING supported

The GPS tracking devices should be hard-mounted into the vehicle; a permanent solution that sits inside the dashboard away from the driver's eyesight. Thus, making it more difficult to tamper with.

TIMELY UPDATES

The software should also ensure to provide timely software up gradations and firmware updates for the supported hardware units through over-the-air mode (OTA) [However for all the non-supported hardware (GPS devices), support should be provided for integration only]

TOOLS and TECHNOLOGIES (Infrastructure Set-up to be provided by CSMCL)

Web Application:

S. No.	Software Requirement	Software
1.	Application Environment	.Net Framework 4.6.2 using C#
2.	Server Operating System	Windows Server 2016
3.	RDBMS	SQL SERVER 2016
4.	Web Server	IIS 10.0 above
5.	Supported Browser (Application)	IE 9.0 above

Device Communication Server:

S. No.	Software Requirement	Software
1.	Server Operating System	Linux/Centos
2.	Application Environment	JDK 1.8 or Above
3.	Database	Mongo DB 3.4

REAL TIME POSITIONING

The software application should provide access to the real time location of the Vehicle with details of the speed, ignition status, AC status, any Alarms/Alerts generated based on the configurations.

BASIC VEHICLE TRACKING FEATURES

The software application should allow real-time monitoring of the vehicles live on the map along with their whereabouts such as the ignition status, current speed, kilometre run by the vehicle in a day, daily activity summary etc. The features should include:

- **Online tracking:** The software should show track on map of the vehicle location with location coordinate details.
- **History Tracking:** The software should allow to view the locations travelled in the past with details of the speed in which the vehicle travelled the distance. History for a vehicle could be tracked for 45 days.
- **Notifications for Over Speeding:** This notification should be sent when the vehicle is over speeding based on the pre-defined speed limit.

GEO-FENCING

The software should allow the marking of an area on the map. As soon as the vehicle moves IN or OUT of this area, alert should be generated in the system.

- **Circular or Polygon Geo-fence:** The point-of-interest can either be marked as a circle or a polygon. As soon as the vehicle moves IN or OUT of this area, alert will be generated in the system.
 - Define geo-fence boundaries for a radius of 5000 mts.
 - Mark locations in the maps - Dept. offices, Check-posts, Point books, Accused person's House/Office etc. In different colours.

DASHBOARDS

The software application should provide distinct dashboards with various details for organization to gain complete insight into the vehicle utilization, efficiency and performance.

- **Vehicle Dashboard:** The vehicle dashboard should provide a complete insight into the current status of the entire fleet and their whereabouts such as current location, current status of ignition/ac and current speed.
- **Usage Dashboard:** The usage dashboard should offers insight into the vehicle utilization. The dashboard should offers monthly cumulative data for the entire fleet which includes distance travelled, moving duration, duration of rest, idling duration. The dashboard should also offers further drill-down option to look into the individual fleets' utilization on monthly and daily basis.

DYNAMIC ROUTE CREATION AND TRIP MONITORING

The software application should allow to define routes on the basis of start and end geo-locations. Once the geo-fence for start and end location is mapped, the application provides google optimized route and facilitates automated dispatch.

- **Trip Definition:** The trip can be defined from the Start Location to End Location with the route that the vehicle is expected to travel through to complete a trip.
- **Facility of Defining the following for each trip:**
 - ETD: Expected Time of Departure from Start Location
 - RTA: Required Time of Arrival at the Destination Location
 - Geo-fences for Start Location, End Location, and defining of en-route
- **Based on the above definitions, application should calculate the following and display on Map while trip tracking:**
 - ATD: Actual Time of Departure
 - ETA: Estimated Time of Arrival based on the distance travelled, speed, and traffic conditions
- **Route Geo-fence:** The software should allow the marking of a route on the map. As soon as the vehicle deviates from the desired route, alert should be generated by the system.
- **Trip-wise Tracking:** The software should allow to define a trip and then track the vehicle as a part of the trip
- **Speed Limit Setting:** The software should allow defining various speed limits, including over speed limit.
- **Notifications: Facility for providing** Following Notifications:

- Over speeding: When the vehicle is over speeding based on the user-defined speed limits
- Exceeding Waiting Time: When the vehicle exceeds the defined waiting time in the same location,
- Tracking of estimated time of arrival to the destination based on the various parameters like vehicle speed, distance remaining, and traffic situation, etc.

Actual vs Planned Route

The software application should allow to compare between planned and actual route travelled. Also, the system should send instant alert whenever a vehicle deviates from its original pre-defined route.

Route Replay

The software application should allow to trace the route travelled by the vehicle for a trip, once it gets completed. History tracking of an individual vehicle should also allow to play or trace the route travelled by a vehicle for the specified timeframe along with location and speed.

USER MANAGEMENT

The software application should allow to assign different roles to the user such as admin, supervisor, manager etc. based on their designation in the organization and provides access control with various view/edit rights. The software application thus should supports hierarchical user management with assignment of different roles and rights.

RECORD KEEPINGS

The solution offers ready-made functionality to store various digital documents in the form of 'Master'. Any lapses and deadlines in validity of such is intimated in prior through SMS and e-mails to organization. The details are already maintained in the solution and help to reduce daily verification time.

Machine Master: The Machine Master maintains minutes of the vehicles which includes:

- Registration Number, Chassis Number, Registration Date, Insurance Details, RC Documents, Fitness Certificates, Permit Documents and other paperwork.

Chauffer Master: The Chauffer Master maintains minutes of the drivers which includes:

- Personal details such as Name, DOB, Mobile, Address; Work details such as Joining date, License Number, License Validity, AADHAR Card etc; Verification details such as Police Verification.

SOS (PANIC BUTTON)

To enhance the safety of the fleet and the drivers, external accessory such as Panic Button can be introduced which is capable of sending a distress signal in case of danger. Instant notifications are displayed in the software dashboard thus ensuring focus and priority on the vehicle.

REPORTS

The solution should provide various reports, which should help organizations to gain a complete insight into the fleet operations. The report section in the solution should include:

- **Run Report:** This report provide details about the distance travelled by a particular vehicle for a particular day. Corresponding to it additional information such as start and end location as well as moving time is also provided.
- **Alert/Event Report:** Facility for details such as ignition on-off, ac usage as well as alarms such as low battery, power cut-off, over-speed, unauthorized access etc.

- **Geo-fence Report:** This report provide details about the geo-fence in-out alerts for the point-of-interest mapped.

Note: All the reports should be downloadable in Excel and PDF Format.

FLEET MAINTENANCE SERVICES

The software should have provision for reminders for various scheduled services like::

- **Pollution-under-Control (PuC) Certificate** renewal reminders.
- **Service Calendar** – To keep records of the service due dates based on Kilometres-run, vehicle age. It should also provide functionality to keep a record of the service provided and expense incurred.
- **Fitness Certificate** renewal reminders.
- **Tax & Permit Calendar** - The various due-dates to get permits and pay Tax at Central, State and District-level can be recorded in this.
- **Insurance & Warranty Calendar** to keep a check on EMIs due, Renewals due, etc.
- **Repair and Maintenance** – To keep records of unscheduled Repairs & Maintenance like Tyre-change, Breakdown and the expenses incurred.

INTEGRATION

The software application should be seamlessly integrable into existing Chhattisgarh Excise PSIM.

PLATFORM

The Solution should be able to install and commission on CSMCL IT Infrastructure such that it is readily available on both Web as well as Mobile (Android & IOS) platforms.

MAPS:

Licensed GIS Maps(Bidder to name the OEM) should be integrated to empower the application solution with accurate and precise locations. The maps used in the application should support proper zoom levels to classify states, districts, cities, landmarks and roads. Regular updates are to be provided to enhance the map data.

FOLLOWING COMPLAINCES REQUIRED FOR THIS SOFWTARE

A. Scope of Work		
S.No.	Scope of Work :	Compliance
1	Complete training to be provided to the users for using and troubleshooting if any in the Application	
2	Application for Tracking the Vehicle wise devices from specified locations / central locations and monitoring their movements, routes etc.	
3	Required support to understand the parameters, functioning of the Application etc to be provided.	
4	It is the responsibility of the Bidder to translate the routes records of the department into required Longitudes and Latitudes, Co-ordinates etc within the time specified and to make the route fixing and geo fencing etc through the Application.	
5	The Application should provide user Administration, Access Rights on “who to know what” basis.	

6	All the standard alerts and modules should be provided.	
7	Bidder has to quote for the Monthly Cost of Man Power of 2 Support Engineers (Onsite at Datacenter as well as Offsite with remote access facility) from the kick-off meeting till the Warranty period completion. (OPTIONAL)	
8	They should also provide the list of required hardware like , Servers, workstations, LED Screens along with any other required hardware like desktop / laptop etc for the setting up of the required infra setup at centralized Control Room of the customer. The space for the Control room and also the connectivity required like internet etc and power through UPS will be provided by the department.	
9	The Engineers should co-ordinate with all the Department offices in getting the route maps , translating the same into the required Longitudes and latitudes , fixing the routes, complaints call registering , escalation to the proper channels for resolution , customization of the needs , generation of the daily and routine reports , downloading the data and reports , placing the same before the appropriate Authorities, daily data downloads , backup taking in an external media provided by the department, providing the daily data to the department, monitoring of the movement of the vehicles, imparting training to the identified staff of the department etc.	

B. The Software Application

S.No.	Requirement :	Compliance
1	A web based application to be provided	
2	User Creation, activation, de-activation, password maintenance, and role based access etc. to be provided in Admin module.	
3	Proposed solution shall have provision to create multi-level Users (Range Users, Sub-Division Users, District Users, Division Users and Head Quarter Users). These Users shall be enabled to monitor vehicles coming under their control and generate Reports pertaining to the vehicles under their control.	
4	Proposed solution shall have ability to mark locations such as the Dept. Offices, Check-posts, Point books, Accused Person's House/Office etc in different colors. Mapping the routes, touch points in the routes etc should be configurable in the Admin module.	
5	Proposed system shall have ability to locate a specific vehicle in real time to know the position and status.	
6	Proposed solution shall have ability to highlight exceptions through Alerts by monitoring of deviations such as route, arrival and departure times etc.	
7	Each Vehicle, using the supported/compatible vehicle tracking device, shall determine its precise location through GIS based GPS System and transmit the same to the Data Centre at defined intervals of time. The location has to be displayed on GIS based route maps at Central Control Room continuously.	
8	Vehicle Tracking System shall have Geo-fencing capability	

9	Creation of Geo Fences and landmarks should be very simple and should be allowed to create from the map view page itself	
10	The Vehicle Tracking System shall be able to compare the actual location of the vehicle, at any given time, with its scheduled location.	
11	Vehicle Tracking System shall provide these data on real time basis at pre-determined and configurable intervals (minimum 10 seconds) over GPRS network.	
12	Application should have module for maintaining the details of the vehicle like Registration details, Insurance details, Driver details, Maintenance schedule., etc.	
13	It shall have ability for Live tracking of all vehicles and any one or selected specific vehicles on the same dashboard view.	
14	Mobile App for mobile vigilance staff	

C. Reports		
S.No.	Requirement :	Compliance
1	The application shall provide facility to query the data and generate the reports as per the requirements.	
2	The Application shall provide facility to save queried data in Excel, PDF, CSV, TXT, XML formats.	
3	Department officials shall be enabled to generate/ download various reports specific to vehicles associated to specific locations such as the following-	
A	Position of the particular vehicle at any given point of time mapped to the land mark location, area, vehicle stop, etc.	
B	Tracking the complete route taken by a particular vehicle on timescale	
4	Application should provide, but not limited to, following MIS reports:	
A	Vehicle wise utilization report	
B	Vehicle wise trip report	
C	Vehicle wise alert report	
D	Vehicle wise GPS functioning report	
E	Vehicle wise stoppage report	
F	Vehicle wise daily distance report	
G	Vehicle wise Route Points Visit Frequency Report	
H	Grouping wise i.e. range wise , District wise reports as per the Department need	
I	Points not Visited Reports	
J	Routes not visited Reports	
K	Reports on High Impact Alert, Excess Idle Alert, Tamper Alert, Ignition Alert	
L	Reports on Geo-Fence Enter & Exit Alerts, Geo Fence Speeding Alert	
M	Web Track GPS Tracking Dashboard, Web Track Dashboard	
N	View the vehicles LIVE, Geo Fence History Report, Trip Report, Time Sheet Verification	
O	Web Track GPS Tracking Report, Vehicle Work Summary.	
P	Live Location Updates (minimum 60 sec updates which can be configured)	
Q	Mapping & Imagery	

R	Vehicles Summary Report	
S	Time Sheet Verification Report	
T	Time On Site Reports	
U	Route Points Visit Frequency Report	
V	Run reports based on visits, arrival and departure as well as Alert for any unauthorized Routes / departures	
W	Automated reports to be downloaded from the App by using the User-Id and password	
X	Replay routes driven and confirm the most efficient practices are maintained.	

D. Maps		
S.No.	Most flexible mapping technology to view the locations on the Map.	Compliance
1	Map licenses to be procured from OEM of repute having copyright certificate for spatial database	
2	Integrated maps should have at least state level zoom to street level zoom	
3	Complete road network of the designated area with road classification to be depicted on the map with styles.	
4	All the critical landmarks to be present and should be clearly displayed on the map at specific zoom levels	
5	Scale of the required GIS map of city should be minimum: 1:2000 scale for city area and 1:10,000 scale for rural area with road positional accuracy of +/- 5 m	
6	The Map OEM should have capacity to enhance map data in terms of features and attributes	

2. Workstation

Workstation with Intel Xeon 2.4GHz, 32GB RAM, Reliable Memory Technology(RMT) for detecting and isolating memory errors for minimising blue screen occurrence, DPO- AI based dynamic optimisation tool for increasing productivity , DDP- Robust malware protection tool based on AI & ML, Power Supply,2*1.2TB HDD, 8GB NVIDIA quadro, Window 10 Pro, High Resolution bundled 24" TFT, 3 year warranty. This must be certified for GIS software (as mentioned in S.No. 1 above)/PSIM running at CSMCL.

Annexure-II

2. Bluetooth Battery operated Thermal Printer:

Sr. No.	Feature	Specification	Remarks
1	Print Method	Direct Thermal	Direct thermal receipt is required for total delivery and payment purpose
2	Resolution	At least 203 dpi resolution	203 dpi is standard for mobile printer, Element energy equalizer is helpful for superior printing quality and with better print head life and result.
4	Min Memory	8MB Flash/16MB SDRAM	sufficient memory is required to load the images, fonts and Unicode (other regional languages to print on the receipt)
	Print Characteristics		
5	Print speed	50mm per second	
6	Print Width	3 inches	almost 3" is required by APMC to print the receipt
7	Print Touch	NFC enabled-One touch to pair via Bluetooth	with one tap pairing with the device and Bluetooth is useful for the worker. No extra efforts to put password from the specific location of the device. it is very helpful to invoke the application.
	Communication		

8	Cable communications	USB 2.0 Full Speed Interface with windows, Andriod/iOS Environment	high speed USB port is helpful for printing from all such kind of operating system
9	Bluetooth communication	Bluetooth 2.1 printing from Windows CE,.NET, Pocket PC, Windows Mobile, Apple devices (iOS 6,	
	Media Specifications		
11	Media Maximum Roll Size (OD)	Not more than 1.88"	
12	Maximum Media Width	3.0"	
13	Media thickness	Max. 4 mil	
14	Media Loading Fonts	Single push-button media access for simple re-loading	simple and easy paper loading mechanism is helpful for worker to save time
15	Standard Fonts	Resident fixed and scalable fonts	resident font is helpful to print italic or bold characters on the receipt.
16	Indian Language Fonts	Support at least Hindi and 1 Regional Language (in each state)fonts and characters	if you need to print receipt in Hindi or any regional language, printer should understand and print.
17	Barcode Symbologies 1D Barcode Symbologies	At least Code 11, Code 39, Code 93, Code 128, ISBT-128, UPC-A, UPC-E, EAN-8, EAN-	

18	2D Barcode Symbologies	At least PDF417, MicroPDF-417, Code 49, TLC39, Maxicode, Codablock, Data Matrix, QR code,	
	Drivers		
19	Windows Driver	Windows 2000/2003/XP, 2008,Vista, Win7, Win 8	
	Others		

4. Note Counting Machine compatible with above said

Hopper capacity: 200; Stacker capacity: 250; counting speed: 1000; LCD Display; Power Consumption: 80W

Output from these devices need to be entered on the host device software as per bidder format either on standalone mode or network mode

5. Online UPS Specifications:

S.No.	Specifications	Description
1	CAPACITY	10KVA / 9KW LOAD WITH 0.9 P.F
2	TECHNOLOGY	10KVA RACK MOUNTABLE DOUBLE CONVERSION TRUE ONLINE UPS WITH INSULATED GATE BI-POLAR TRANSISTOR (IGBT) TECHNOLOGY BASED RECTIFIER & INVERTER BOTH. UPS MUST BE HAVING DUAL MAINS INPUT CONNECTED TO TWO DIFFERENT POWER SOURCES & HOT SWAPPABLE BATERIES FOR CONTINOUS OPERATIONS WHEN THE BATERIES ARE BEING REPLACED.
3	FORM FACTOR	4U
4	AC INPUT VOLTAGE RANGE/PHASE	100-285 V WITH 1:1& 3:1OPTIONS IN SAME UPS
5	UPS EFFICIENCY in green mode AT FULL LOAD	MIN 98% OR MORE
6	INPUT FREQUENCY RANGE	40-70HZ (AUTO SENSING)
7	AC OUTPUT VOLTAGE	CONFIGURABLE FOR 220:230:240 V
8	OUTPUT FREQUENCY	50Hz± 0.01%
9	WAVE FORM	PURE SINE WAVE (OUTPUT)
10	PROTECTION	INPUT OVER VOLTAGE PROTECTION, INPUT UNDER VOLTAGE PROTECTION, OVER VOLTAGE CUT OFF. SHORT CIRCUIT PROTECTION, OVER TEMPERATURE, LOW BATERY & BATERY OVER CHARGE PROTECTION SHOULD BE PROVIDED. BUILT IN BYPASS SWITCH MUST.
11	SURGE ENERGY RATING	MIN 450 JOULES
12	SOFTWARE	UPS MONITORING SOFTWARE WITH AUTO SHUTDOWN SHOULD BE GIVEN IN OEM CD
13	OVERLOAD CAPACITY	125%1Minute 30 Second> 150% to 175%25 line cycles,> 175%5 line cycle
14	HARMONIE DISTORTION	LESS THEN 3%
15	CREST FACTOR	03:01
16	INDICATIONS & AUDIBLE ALARMS	MAINS ON, INVERTER ON, OVERLOAD, LOAD ON MAINS, LOAD ON BATERY, BATERY LOW ETC.
17	DIGITAL METERING	LCD DISPLAY FOR MEASUREMENT OF AC VOLTAGE, BATERY VOLTAGE, BATERY CURRENT, LOAD CURRENT, OUTPUT FREQUENCY ETC.
18	BATERY FEATURES	BATERY BACKUP OF 60 MIN USING 12V SMF OR FLOODED BATERY COMPATIBILITY. VAH SHOULD BE MINIMUM 19200 VAH. BATTERY AH TO BE MENTIONED ALONG WITH QUANTITY & BATTERY PARALLELING WILL NOT BE ACCEPTED. (FIRMS WILL BE BLACKLISTED FOR SUPPLING TRACTOR BATERIES OR LOCAL STICKERED BATTERY)

19	IN-BUILT CHARGER	INBUILT CHARGER SHOULD BE MIN 12AMPS OR GREATER. CHARGER AMPS TO BE MENTIONED EXTERNAL CHARGER WILL NOT BE ACCEPTED.
20	BATIERY MAKE	BATIERY MAKE:EXIDE/ROCKET/QUANTA, WITH WARRANTY CERTIFICATE FROM OEM SUITABLE RACKS & LINK CABLES HAS TO BE SUPPLIED ALONG.(FIRMS WILL BE BLACKLISTED FOR SUPPLING TRACTOR BATERIES)
21	ENVIRONMENTAL	OPERATING TEMPERATURE: 0-40C, NOISE LEVEL< SSDB
22	OTHER DETAILS	IEC 320 STANDARDS CABLE TO BE USED
23	CERTIFICATION	PRODUCT MANUAL IS MUST BE ATIACHED WITH TENDER DOCUMENTS. ISO 9001, ISO 14001, OHSAS 18001CERTIFIED AND CERTIFICATE OF ROHS COMPLIANCE PRODUCT USER MANUAL TO BE SUBMITTED ALONG WITH TECHNICAL BID. THE SAME IS INHERENTLY REQUIRED TO EVALUATE TECHNICAL SPECIFICATION. THE USER MANUAL SHOULD BE EASILY ACCESSABLE IN OEM WEBSITE

6. Firewall Specifications:

Type	
Throughput: Application Control (AVC)	250 Mbps
Throughput: Application Control (AVC) and IPS	125 Mbps
Maximum concurrent sessions	20,000; 50000
Maximum New Connections per second	5,000
Supported applications	More than 3,000
URL categories	80+
Number of URLs categorized	More than 280 million
Centralized configuration, logging, monitoring, and reporting	Multi-device Cisco Security Manager (CSM) and Cisco Firepower Management Center
On-Device Management	ASDM (version 7.3 or higher required)
Feature	Cisco ASA 5506-X w/ Fire POWER Services
Stateful inspection throughput (maximum1)	750 Mbps
Stateful inspection throughput (multiprotocol2)	300 Mbps
Triple Data Encryption Standard/Advanced Encryption Standard (3DES/AES) VPN throughput3	100 Mbps
Users/nodes	Unlimited
IPsec site-to-site VPN peers	10; 50
Cisco AnyConnect Plus/Apex VPN maximum simultaneous connections5	50
Virtual interfaces (VLANs)	5; 30
High availability	Requires Security Plus License; Active/ Standby
USB 2.0 ports	USB port type 'A', High Speed 2.0
Integrated I/O	8 x 1 Gigabit Ethernet (GE)
Dedicated management port	Yes (To be shared with FirePOWER Services), 10/100/1000
Serial ports	1 RJ-45 and Mini USB console
Solid-state drive	50 GB mSata
Memory	4 GB
System flash	8 GB
System bus	Multibus architecture
Temperature	32 to 104°F (0 to 40 °C)
Relative humidity	90 percent noncondensing
Altitude	Designed and tested for 0 to 10,000 ft (3048 m)
Acoustic noise	Fanless 0 DbA
Temperature	-13 to 158°F (-25 to 70°C)
Relative humidity	10 to 90 percent noncondensing
Altitude	Designed and tested for 0 to 15,000 ft (4572 m)
AC range line voltage	External, 90 to 240 volts alternating current (VAC)
AC normal line voltage	90 to 240 VAC
AC frequency	50/60 Hz

Dual-power supplies	None
Steady state	<u>12V @2.5A</u>
Maximum peak	12V @ 5A
Maximum heat dissipation	103 British thermal units (Btu)/hr
Form factor	Desktop, rack mountable
Dimensions (H x W x D)	1.72 x 7.871 x 9.23 in. (4.369 x 19.992 x 23.444 cm)
Weight (with AC power supply)	4 lb (1.82 kg)

