

**M.P. State Electronics Development Corporation Ltd.**  
(A Govt. of M.P Undertaking.)

**Revised Tender Document**

**For**

**Global Positioning System (GPS) based Vehicle Tracking system for the Food and Civil  
Supplies Department of the Government of Madhya Pradesh**

(Tender no. MPSEDC/MKT/2011/207)

(All pages of this document except for Commercial-bid to be submitted in original duly signed on each page along with the technical bid envelope. The Commercial bid in original is to be enclosed in a separate sealed envelope)

**M.P. State Electronics Development Corporation Ltd.**

(A Govt. of M.P Undertaking.)  
147, Zone-I, M.P. Nagar, Bhopal-462011 (M.P.)  
Ph.0755-2769816, 2769823  
Fax: 0755-2769824

## Technical Bid

### INVITATION FOR BIDS

Addl. Chief General Manager, MPSEDC Ltd., Bhopal invites sealed bids, under two envelopes system, from bidders for GPS based vehicle tracking system for the Food and Civil Supplies Department of the Government of Madhya Pradesh. Interested bidders may obtain further information from the office of MPSEDC Ltd. Bhopal Bids are invited for the work mentioned hereunder:

<b>S.N</b>	<b>Items</b>	<b>Description</b>
a	Scope of Work	GPS based Vehicle Tracking System for the Food and Civil Supplies Department of the Government of Madhya Pradesh The details of the Scope is Given in Annexure 1
b	Cost of bid document	Rs.5000.00 (non-refundable) by Demand Draft/Cash
c	Postal charges	Rs.100.00(MPSEDC LTD. shall not be responsible for any postal delay
d	Sale of bid documents	Date 7-10-11 to 1.12.11 (Between 10.30 AM to 5.30 PM)
e	Last date of submission of bid	Date 2.12.11 up to 3.00 PM.
f	Date of opening of technical bid	Date 2.12.11 at 4.00 PM.
g	EMD	Rs.2,00,000/- in the form of Demand Draft from a scheduled bank in favour of MPSEDC Ltd payable at Bhopal. or Bank Guarantee.
h	Place of opening of bids:	Office of MPSEDC LTD., 147, Zone-1, Maharana Pratap Nagar, BHOPAL (M.P.)
i	Address for communication:	MPSEDC LTD., 147, Zone-1, Maharana Pratap Nagar, BHOPAL (M.P.)

**Note;** Tender can be downloaded from the website [www.mpsedc.com](http://www.mpsedc.com). In case tender form has been downloaded from the website, the bidder will have to enclose a Demand Draft of Rs.5000/- (Rupees Five thousand only) of any scheduled bank in favour of MPSEDC Ltd. payable at Bhopal along with the tender.

**\*Any future Corrigenda/Information shall be posted only on our website [www.mpsedc.com](http://www.mpsedc.com)**

## Letter for Submission of tender

To  
MPSEDC  
147 Zone I, M P Nagar  
Bhopal (M P)

Dated ----- ,2011.

Ref: "GPS based Vehicle Tracking System for the Food and Civil Supplies Department of the Government of Madhya Pradesh against tender No MPSEDC /Mkt/2011/ 207 dated 7.10.11 due for opening on 2.12.11

Dear Sir,

Having examined the tender document relating to the GPS based Vehicle Tracking System for the Food and Civil Supplies Department of the Government of Madhya Pradesh as detailed in your tender, Terms & Conditions and scope of procurement, Specifications etc., and having understood the provisions and requirements relating to the procurement and all other factors governing the tender, We hereby submit our offer for the GPS based vehicle tracking system for the Food and Civil Supplies Department of the Government of Madhya Pradesh in accordance with terms and conditions and confirm our acceptance to execute the order within the time period specified in the tender document, at the rates quoted by us in the accompanying Technical & commercial Bid.

If, after the tender document is accepted, we fail to complete the commissioning of the items as per the order; we agree that, M/s. MPSEDC LTD. Bhopal shall have full authority to forfeit the earnest money and cancel our order with no obligation on their part.

We confirm having deposited earnest money of Rs 2,00,000/- (Rupees Two lakh only) by Demand Draft No.....dated ..... drawn on .....Bank ..... Branch attached hereto.

or

We confirm having deposited earnest money of Rs 2,00,000/- (Rupees Two lakh only) in the form of Bank Guarantee No..... dated..... drawn on Bank .....Branch attached hereto.

and general information required is as per annexure attached.

We further confirm that –

- i. We have successfully executed orders of similar nature and we have sufficient experience and financial strength in handling orders of this value.
- ii. We have sufficient qualified manpower and necessary materials and after sales support to execute the order efficiently in the specified time schedule.
- iii. The quoted rates shall be valid till the completion of the order but not less than 90 days.
- iv. We further confirm that all chapters of the tender documents have been read, understood and signed and there is no deviation/discrepancy

Signature of the Bidder  
With stamp and date

### GENERAL INFORMATION AND EMD DETAILS

1	EMD /Bank Guarantee Details DD No and date: Amount in Rs. Name of the Bank:	
2	Name and Address of the Bidder: (Should have an office in Madhya Pradesh or should promise to open in one month if the work is allotted)	
3	Contacts:	
4	Telephones:	
5	Fax:	
6	E-mail:	
7	Mobile No:	
8	Category of the Bidder (Whether company, partnership firm or Proprietary concern)	
9	Name of Chief Executive Officer and Telephone No.	
10	Year of Establishment	
11	Sales Tax /Commercial Tax/ CST nos.	
12	Income Tax PAN/GIR No.	
13	Yearly Turnover of the Last 3 years.	
14	Name and Address of the Banker	
15	List of major Clients and the size of orders executed	

Note: Separate sheets may be attached wherever necessary.

Signature of the Bidder  
With stamp and date

## **Terms and Conditions**

Contents of Bidding Documents for GPS based Vehicle Tracking System for the Food and Civil Supplies Department of the Government of Madhya Pradesh, the bidding procedures and the terms of contract are prescribed here in under:

### **1 Eligibility Criteria:**

- a. Bidder The Bidder must be a Company/Propriety or Partnership Firm in the Business of GPS/GIS based works. The system integrator/Consortium is allowed but on the condition that they would have a consortium partner who is in the business of GPS/GIS based work.

In case of Consortium, the Prime Bidder must be specified.

There should be a valid agreement between all members of Consortium clearly defining the Roles & Responsibilities of each member of Consortium.

All the Consortium members shall be signatories to the Contract Agreement & Service Level Agreement and shall be Jointly & Severally responsible for the Project.

The Prime Bidder cannot be a Consortium member of any other Consortium.

- b. Bidder or any member of Consortium must have executed at least One GPS based Vehicle Tracking system orders of value Rs. 50 Lakh or more. (Attach order copy)
- c. The company or all members of Consortium must have an average turnover of Rs 1.00 Crore in the past three years from the business of GPS based vehicle tracking system or GIS and GPS based monitoring system of any description (Submit balance sheet of the previous years for the purpose of verification) or engaged in the business of Information Technology. Certificate from the Chartered Accountant must be submitted if the Bidder has other businesses in the company.
- d. The company or all members of Consortium must be profitable and must have positive net worth.
- e. The bidder or any member of consortium should have an office established in the state of MP (attach copy of MPST/CST/TIN issued by M.P. Commercial Tax Department) or provide an undertaking that if the bidder is selected as successful , he would open an office and procure all the statutory registration from Commercial tax Dept within a period of 3 months from the date of issue of LOI.

### **2. Amendment in Bidding Document by the Competent Authority**

At any time prior to the deadline for the submission of bids, the competent authority may, for any reason, whether on its own or in response to a clarification requested for by a prospective bidder, modify the bidding document by way of amendment(s).

The prospective bidders having received the bidding documents will be notified of the amendment(s) so made in writing or by Fax and such amendments shall be binding on them.

In order to allow reasonable time to the prospective bidders for taking into account such amendment(s), in the preparation of their bids, the competent authority, at its discretion, may extend the deadline for the submission of bids.

### **3. Bid Price**

The bidders shall indicate the price on the prescribed Price Schedule, including item-wise and final Bid Price of the items listed

Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and shall not be subject to variation on any account.

A bid submitted with an adjustable price will be treated as non-responsive and rejected.

**4. The EMD may be forfeited:**

If a Bidder withdraws its bid during the period of bid validity specified by the bidder on the bid Form: or In case of a successful Bidder, if the Bidder fails:

- (i) To accept the order
- (ii) To furnish performance security
- (iii) If the supplier, after accepting the purchase order fails to deliver the material/services as per the order.

5. Any alterations, erasures or overwriting shall be valid only if the person or persons signing the bid initial them.

**6. Technical requirements**

The technical specifications as per Annexure V are the minimum configuration required. Higher specifications may be considered but no price weight-age for higher specifications shall be considered.

**7 Service support requirement**

Has been detailed at Annexure I Successful bidder will ensure that the GPS device as prescribed by MPSEDC is installed in the vehicle within Three days of the Call Centre (155343 phone number and the CRM system known as Telesamadhan) logging a request of the vehicle owner.

- b. The service support will require strengthening to suit the concerned Departments requirement. The acceptance for doing so with no extra cost is to be submitted along with the bid.

**SUBMISSION OF BIDS**

**8. Sealing and Marking of Bids**

The bidders shall submit EMD, technical bid (containing the technical specifications offered and original copy of commercial bid in separate sealed envelopes all the above envelopes shall be sealed in one main envelope). All the envelopes should be distinctly marked EMD, technical bid, and commercial bid.

**9. Deadline for Submission of Bids**

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

**10. Late Bid**

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

**BID OPENING AND EVALUATION OF BIDS**

**11. Opening of Bids**

Since it is a Two-bid system, Technical bid and EMD envelope will be opened first by the Committee constituted for this purpose. If the technical bid specifications offered, EMD and

deviations asked (if any) are found in order, the Committee will open commercial bid only for the eligible bidders.

The Committee will open the bids, in the presence of Bidders' representatives who choose to attend on the date specified at the following location:

M.P. State Electronics Dev. Corporation Ltd  
147, Zone-I, Maharana Pratap Nagar, BHOPAL-462011

Prospective Bidder representatives shall sign a register evidencing their attendance.

In case, the commercial bid is not opened on the same or next day of opening of technical bid the Committee may decide to open the commercial bid on subsequent dates. In such case the date, time and place of opening of commercial bid will be intimated to the bidders or their representatives.

## **12. Preliminary Examination**

Before starting evaluation, the bids will be examined to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order. In case of computational error the basic price will prevail.

If bid is determined as not substantially responsive, the competent authority will reject it and only the substantially responsive commercial bids will be considered.

The process of evaluation of bid is as follows:

- (i) The Committee, appointed by the MPSEDC LTD, will first verify that the Bank Draft for Bid Security is in order and as per requirement of the bid. The Committee will examine the bid on Eligibility Criteria as specified. The scrutiny of technical proposals will be based on the Evaluation Criteria provided in this bid document.
- (ii) The commercial bid will be opened only for the proposals, which are found eligible and technically acceptable by the Committee and approved. On the day specified for the opening of bid, the Committee, appointed by the MPSEDC LTD., will open the commercial bids of eligible bidders and scrutinize the same minutely.
- (iii) After scrutiny, the MPSEDC LTD. After having examined the proposal may accept the same or accept the bid price of any other bidder found suitable or reject all or any proposal. The decision of the MPSEDC LTD. In this regard shall be final and binding.

## **13. Performance Security**

The successful bidder shall be required to submit performance guarantee equivalent to 10% of the order value for the satisfactory performance/completion of the complete order (5 years), in the form of bank guarantee with MPSEDC LTD or Concern deptt.

## **14. Contacting the Competent Authority**

Any effort on part of a Bidder to influence the Competent Authority or members of Technical/Monitoring committee, in its decisions on bid evaluation; bid comparison or contact award may result in rejection of the bidder's bid.

## **15. Payment:**

Payment: Payment shall be released by MPSEDC on monthly basis as per the tendered rate after deduction of penalties as specified in Annexure III.

## **16. General**

- (i) Bid form shall be duly filled in, signed and complete in all respects
- (ii) The price should be inclusive of all expenses except taxes. The entire Tax liability shall be borne by MPSEDC.

(iv) The successful bidder will install the system as detailed in the Annexure II within 120 days of the receipt of the work order from MPSEDC.

(i) Penalty- In case of delay in execution of the order, the concern MPSEDC may as its option either:

Recover from the supplier/contractor as agreed towards liquidated damages a sum @ ½% (half percent) of the price of any part of the project not implemented for a week, or Part thereof subject to maximum of 10% (ten percent). OR get the work completed from elsewhere on account and at the risk of supplier, the part not delivered.

OR

Cancel the contract reserving concern MPSEDC right to recover damages

The inner and outer envelopes shall be addressed to the competent authority at the following address:

The Additional Chief General Manager  
M.P. state Electronics Dev. Corpo. Ltd  
147, Zone-I, Maharana Pratap Nagar, BHOPAL-462011

The envelopes shall also indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared "late."

If the outer envelope is not sealed and marked, the competent authority will assume no responsibility for the bids, misplacement or premature opening.

Telex; cable facsimile or fax bids will be rejected.

Conditional bids are liable to be rejected.

MPSEDC LTD. does not bind itself to accept the lowest or any other tender and reserve the right to accept or reject any or all the tender in full or in part without assigning any reason.

**Bid Submission Format**

<b>S.No</b>	<b>Description</b>	<b>Monthly Guaranteed Revenue (MGR) in Figures</b>	<b>Taxes</b>	<b>Monthly Guaranteed Revenue in Words</b>
1	<p>The cost to MPSEDC as detailed in the Scope (Annexure 1) and the Hardware and Software, manpower and GPRS service as detailed in Annexure 2 should be converted into a monthly guaranteed revenue which will be paid after the Data Center is established and all the trucks are fitted with GPS and on compliance with the SLA as defined in Annexure 3. It should be noted that amount will be deducted from the monthly guaranteed revenue if the Bidder fails to comply with the SLA.</p> <p>The tenure of the contract will initially be for the period of Five years and can be extended for a period of Three years.</p>			
	<p>Total Project cost for Five years = MGR*5*12</p>			

## Scope of work

GPS based Vehicle Tracking system for the Food and Civil Supplies Departments and other Departments that may become clients. The selected bidder will be required to perform the following tasks:

1. Establish a Data centre at Bhopal in the space provided by MPSEDC and with specifications as detailed at Annexure IV. All IT & non IT devices for Data Centre shall be provided by bidder except Generation set equipment and Fire Extinguisher which shall be provided by MPSEDC. Electric Raw Power will be provided by MPSEDC which will be metered and payment of bill shall be made by MPSEDC.

Presently the Data Center is located at second floor, Baghwan Complex, Plot No.214, Zone-I, M.P.Nagar, Bhopal in the Network Operating Center of the State Wide Area Network. However, the entire facility will be shifted to the newly constructed building and, therefore, the Bidder should keep in mind while making the quote.

2. Provide and customise software as per the following details:
  - a. Provide Map Data of Madhya Pradesh on 1:50,000 scale with the following details as selectable layers with their names superimposed (on selection);
    - i. Geographical Boundaries
      - a) State,
      - b) District,
      - c) Block,
      - d) Tehsil,
      - e) Village Panchayat
      - f) May have to update the boundaries if new administrative entities are created by the government;
    - ii. Name as point data of the Administrative headquarter;
    - iii. Roads with their names on mouse over- Roads including National Highways, State Highways, major District roads, village roads and other roads need to be displayed on the map
    - iv. Point data relevant to the Food and Civil Supplies Department (this is not an exhaustive list and more may be added) shall be provided
      - a) Source (FCI and other storage) and destination (Shops and temporary storage) of food and kerosene;
      - b) Data relating to the vehicles engaged in the transport & distributions of food grains and Kerosene in the State.
      - c) Point data of 4 other Departments who may opt to become client as a layer;

The GIS mapping is required to be completed within 2 months of the installation of Vehicle Trafficking System.

- b. Real time report of the movement of the GPS enabled vehicle on the map to the users based on their privileges.

The bidder will be required to maintain a dynamic reporting system where concerned dept be allowed to create their reports based on the available data base. The bidder is also expected to provide customized MIS report as per requirement.
3. Create user management system on the software with rights and privileges as defined by the Departments. Application software is required to be common for all the depts and has option for customization & allows for changes as and when required. However, the point data source/destination can be different. The application should be customizable and should
4. Rights to the user to enter the Vehicle Data for monitoring together with the source, destination, track to be followed. The formats (tentative) will be provided to the Bidder during the prebid meeting. The scope of the development of the software would not be restricted to the formats made available and the user departments may modify, add and delete a format as per requirement.
5. The bidder may be required to integrate the system so developed with enterprise GIS software that the State may develop. The details of Enterprise GIS software is provided in tender Document uploaded on [www.mpsecd.com](http://www.mpsecd.com).

6. The vehicle owner will be responsible for providing the GPS of the standards that are prescribed by the Department. However it will be responsibility of Bidder to inspect, certify for compliance with specification, seal and make tamper proof a GPS device provided by the vehicle owner on the vehicle to be used for transporting food material and kerosene. The device will be installed and made tamper proof by the vendor and, therefore, cost is to be included in the monthly guaranteed revenue. In case of malfunctioning of GPS, the responsibility to replace it lies with vehicle owner.
7. The Bidder to fit the first 200 trucks with GPS device so that its integration with the central server can be tested. As far the acceptability of the Data Centre is concerned, MPSEDC will accept the Data Centre only after the 200 vehicles fitted with GPS device are able to communicate with the central server for 15 days. At the end of the 15<sup>th</sup> day of successful demonstration, the Monthly Guaranteed Revenue will be initiated and the Corporation will provide to the Bidder an acceptability report. Therefore, the following will be the steps that needs to be observed:-
  - a. The Data Centre will be provided and MPSEDC would ensure compliance with the tender specification.
  - b. 200 trucks will be provided by the Food and Civil Supplies Department which will be fitted with the GPS device. 80% of the trucks should communicate with the central server at least once after which MPSEDC will issue a Letter of Acceptance which will be the starting date for commencement of Monthly Guaranteed Revenue.
  - c. There will be two types of functions like those engaged in transportation and those engaged for distribution. These two categories should be flagged in the application.
8. The bidder will be required to randomly and periodically (Quarterly) inspect the GPS and certify for it being tamper proof and comply with specifications. The checking of the vehicle will be taken place at the source and destinations are going to be the go-downs and warehouses of the Foods and Civil Supplies Corporation. We are defining a minimum checking and, therefore, in order to clarify the periodic checking, intensity of the vehicle checking will be once in every quarter.
9. GPS device supplier to provide GPRS protocol to the successful bidder. The bidder will be required to provide SIM for enabling GPRS on the GPS Device and will have to make payments for the periodic bill. The SIM being used for any other purpose would result in that the amount of money being deducted from the vehicle owner's charges. GPRS device is required to hold data for at least 30 days.
10. The Bidder will be required to provide dynamic customized queries that are based on the data base. The Bidder will be required to configure and provide query based on the requirements.
11. The Bidder will be required to provide the reports generally as follows:
  - a) Report on the number of trips made by the truck/tanker supplying PDS material to the delivery point
    - for this each truck/tanker would need to be mapped with the delivery points of PDS material; the delivery and supply points will have to be defined in the system and the trip count would be the number of times the vehicle enters the delivery point (Zone) after leaving the supply point (Zone)
  - b) There should be facility in the report generating system to give reports on the delivery point wise and total allotment received at the various delivery points of the district.
  - c) Facility to specify through geofencing areas of special concern - like petrol pumps in the route of the kerosene tankers - when any of the tankers are in the special concern zone, the vehicle should be highlighted and there should be a suitable alert for the control room. Similarly there should be a facility to specify safe zones where the vehicle can opt to stop for necessities according to previously delineated plan
  - d) SMS alerts on the total of allocations received delivery point wise - that is by sending an SMS to a designated number there should be a report generated on the supply made in a particular defined period
  - e) SMS alerts according to specification if the vehicle stops at a specific location for a specific

- time - lower time in zone of special concern and higher time elsewhere. The alert can be escalated as per time and designed hierarchy - from DSO to Collector to Commissioner  
Food
- f) SMS alerts to specified numbers when the vehicle enters and leaves their jurisdiction - like SDMs, DM
  - g) All of the above is in addition to the real time GPS based display of the location, direction, speed etc of the vehicle and a 30 day history of the track followed savable separately
12. In case of damage to the GPS device already installed, the bidder shall have to submit a report within 24 hours of its status and monitor its replacement or otherwise by the vehicle owner. The import of this provision is that the tamper proofing should be sufficiently strong and should not allow the vehicle owner to transgress. In case the vehicle owner forces his way to the device then it should become evident from the breach or tampering of the device. In case the vehicle owner forces his way into the device, action would be taken against the vehicle owner.
  13. The tenure of the contract will initially be for a period of five years stating from the date when the Data Centre becomes operational and 100 trucks are fitted with GPS and have commenced communication with the central server. The contract can be extended for a period of 3 years based on mutual agreement and satisfactory performance.
  14. All licenses required for installation and operation of the system shall be procured in the name of MPSEDC Ltd.
  15. The Bidder shall be responsible for updation and upgradation (if required) of all Software and Hardware for successful operation of the Project during the Contract Period.
  16. All data generated during the operation period shall be the property of GoMP/MPSEDC Ltd.
  17. After the completion of the Contract, all Software and Hardware shall be handed over to GoMP/MPSEDC Ltd. at no cost.
  18. All the Hardware/Software, supplied/installed should be IPV6 ready.
  19. The bidder shall be required to demonstrate an application on a general platform like Google Maps for one district as a proof of concept within one month of issue of work order.

**Annexure II**

**TECHNICAL SPECIFICATIONS and cost sheet for the Datacenter**

	Name of the Hardware and Specification	Qty	Description of the product offered	Unit Cost	Taxes	Total Cost
1	Chassis for Blade Server can accommodate 6 or more Blades Page 15 & 16	1				
2	Blade Servers Intel Xeon Page 17	3				
3	Router Page 18 and 19	1				
4	Switch Page 20	1				
5	KVM Switch	1				
6	Storage System (SAN + NAS) 5 TB Page 20 and 21	1				
7	UPS 5KVA with 1 hrs backup Page 22	1				
8	Tape Drive Page 20	1				
9	Operating System Server Class	3				
10	Database Processor Licence	As per Requirement				
11	Map Server	1				
12	Antivirus (Server)	1				
13	Map Data Server	1				
14	Customised software with user management	1				
15	Cost of SIM	2000				
16	Monthly rental for GPRS Charges	2000 X 12 X 5				
17	Manpower for Data centre Management	2 X 12 X 5				
18	Installation (tamper proof) of GPS device provided by the vehicle owner	2000				
19	Periodic inspection of the GPS device	2000 X 2 X 5				
20	Any other Item/Items required to complete the system (Specify)					
Total Cost of Data centre, GPRS and installation and inspection of GPS						

**Service Level Agreement (SLA) Parameters & Penalties:**

	Item	Uptime Required	Penalty
1	Data centre Uptime	98.50 % uptime will be required and will be calculated on a monthly basis. Scheduled Downtimes will be allowed only during 22:00 Hrs to 06:00 Hrs of the consecutive days. Scheduled Downtime will be allowed only after seeking written permission and will usually take place on the night of Sundays. The allowed 01.50 % Downtime will accrue as 10 Hours and 48 minutes in a month of 30 days. This allowable Downtime will not accrue on a single day and in a day the maximum time that will be continuously allowed for Data Centre Downtime will not be more than 2 Hours.	<ol style="list-style-type: none"> <li>1. For every hour of extra Downtime other than that allowed (more than 10 hours 48 minutes in month or 2 hours in a day), Rs.5,000.00 will be deducted from the monthly guaranteed revenue.</li> <li>2. If the Downtime on a single day exceeds 8 Hours, Rs.1,00,000.00 will be deducted from the guaranteed revenue.</li> <li>3. If the Downtime exceeds 1 day, Rs.2,00,000.00 will be deducted from the guaranteed revenue for each 1 day of Downtime.</li> <li>4. If the Downtime exceeds 3 days, the monthly guaranteed revenue of the Bidder will be forfeited.</li> <li>5. If the Downtime exceeds 1 week, the Performance Bank Guarantee will be forfeited and the contract will be terminated and the assets will become the property of MPSEDC.</li> </ol>
2	GPS and GPRS Uptime	<ol style="list-style-type: none"> <li>1. The vehicle owner will submit a request for configure the vehicle fitted with GPS equipment through the call centre. The Bidder should configure GPS device alongwith installation of SIM within 3 days of the request transferred to the Bidder and should get the device inspected by an authorised person of the concerned Department.</li> <li>2. The Bidder should inspect the GPS equipment within 6 calendar months of the installation of device.</li> <li>3. The Bidder should ensure the installed GPS device must communicate with the central server through GPRS at least once every day.</li> <li>4. The refresh rate for the GPS would be 15 minutes or 3 KM whichever is earlier</li> </ol>	<ol style="list-style-type: none"> <li>1. For every day of delay in configuration, an amount of Rs. 100.00 will be imposed as penalty for an individual request for configuration.</li> <li>2. For every one week of delay in inspection of the GPS equipment beyond six calendar months, an amount of Rs. 100.00 will be imposed as penalty.</li> <li>3. On the GPS device that is on transportation duty not communicating with the central server above 24 Hours, a penalty of Rs. 100.00 per day will be imposed on the Bidd</li> </ol>

## Specification of the Hardware and Software

### Blade Chassis

Item	Description
Chassis Properties	Solution to house minimum Six number of blade servers in smallest number of enclosures. Support for two socket and four socket blades in the same enclosure
	Same enclosure should support Intel Xeon and AMD Opteron based blades.
	Should support simultaneous housing of Ethernet, FC, iSCSI, IB interconnect fabrics offering Hot Pluggable & Redundancy as a feature
	Should be able to perform comprehensive system data collection and enable users to quickly produce detailed inventory reports for managed devices. Software should save the Reports for further analysis.
	Should provision for a single console to monitor multiple enclosures
	Should support simultaneous remote access for different servers in the enclosure
	Enclosure should be populated in a way to include provision for 10% additional no. of servers being provided initially.
Interconnect	2 * 10 Gbps Ethernet switch with at least 8 uplink external ports
	Fibre channel Pass-through for FC connectivity
	Support for at least 3 redundant interconnect bays with support for Ethernet, FC, IB fabrics.
	The enclosure should be populated fully with power supplies of the highest capacity of the Chassis. Power supplies should have redundant configuration. Should offer choice of a single phase or 3 phase power subsystem for flexibility in connecting to Hardware Installation power enabled with technologies for lower power consumption
Power Supply	Chassis to be populated with adequate number of fans/blowers for total load on full capacity of the chassis.
Cooling	Each blade enclosure should have a cooling subsystem consisting of redundant hot pluggable fans or blowers enabled with technologies for improved power consumption and acoustics
Warranty	5 years comprehensive warranty, 24 x 7 supports with 4 hrs response time.
Rack for enclosure	42U standard rack with sufficient cooling fans and power distribution unit appropriate ratings for the blade enclosures should be provided
Management Software	Software Licenses for a fully populated Blade Enclosure should be given.
	Provide proactive notification of actual or impending component failure alerts. Should support automatic event handling that allows notification of failures via e-mail.
	Should support scheduled execution of OS commands, batch files, scripts, and command line apps on remote nodes
	Should be able to perform comprehensive system data collection and enable users to quickly produce detailed inventory reports for managed devices. Software should save the Reports in some format for further analysis.

Item	Description
	Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.
	The server performance monitoring software should be able to detect, analyzes, and explain hardware bottlenecks. Also it should be able to log the data over time and allow it to replay the same in a short time frame for performance analysis.
	User friendly GUI/ console-based deployment to set up and install multiple OS and application configurations in individual blade server.
Deployment Software	Comprehensive web enabled system management tool that monitors the system health, environment, critical action etc, With its own data engine to store status reports, alerts and error notifications ,Complete Administration of the blade enclosure from a standard web-browser With event logging, detailed server status, alert forwarding, Remote graphical console, remote power control / shutdown, virtual floppy and CD for remote boot and configuration, virtual text and graphical control, automatic IP configuration via DHCP/DNS/WINS with the blade system should have the capability of managing all the blades in the Enclosures Simultaneously capable of monitoring both physical and virtualized environments with single sign-on capability for all devices in the enclosure

## **Server (Blade)**

<b>Item</b>	<b>Description</b>
Processor	2 * Intel Xeon Six Core 5650 (@ 2.66 GHz) Processor module or better
	Server class chipset featuring Nehalem processors to be capable of supporting at least two processors.
Memory	24 GB DDR3 RDIMMs memory and scalable to 192 GB.
	Should support Advanced memory protection technologies like ECC.
Local Disk	2 * 300 GB Hot pluggable SAS Hard Disk
	Storage controller capable of providing RAID 0, 1 configurations
Ethernet Network	Dual port 10 Gbps Ethernet port with TOE per server
Fibre Channel HBA	Dual Port 4 Gbps FC HBA mezzanine card
Supported Operating System	Should support Industry-led operating system platforms including Windows Server 2003,2008, Red Hat Enterprise Linux, Oracle Enterprise Linux, Sun Solaris, Virtualization software like VMware/ Hiper V. Microsoft window server 2008 is allowed on OS layer. The OS supported and provided should be latest versions.
Management	Should provide remote management capable of providing graphical interface, virtual media and multi-factor authentication.
	Server management software capable of providing role-based security, alerts of critical component failure (Hard drive, memory, CPU) and notify the same using email, pager, SMS.
	Should provide for a 5 year Pre-Failure hardware warranty with 4 hour response times.
	Should support scheduled execution of OS commands, batch files, scripts, and command line apps on remote nodes
	Should be able to perform comprehensive system data collection and enable users to quickly produce detailed inventory reports for managed devices. Should support the reports to be saved in HTML, CSV or XML format.
	Should help to proactively identify out-of-date BIOS, drivers, and Server Management agents and enable the remote update of system software/firmware components.

## Router

Features	Specifications Required
Hardware Architecture	Multiple services (Data, voice, video)
	Technologies like IP, MPLS etc
	Modular Chassis
Interface / Slots Supported	Shall support variety of interfaces like <ul style="list-style-type: none"> <li>▪ V.35 Serial</li> <li>▪ E1 Port</li> <li>▪ ISDN BRI</li> <li>▪ Fast Ethernet</li> <li>▪ STM 1</li> </ul>
Interface Requirements	4 x Fast Ethernet Interfaces 2 x E1 Port
Memory	RAM 128 MB upgradeable to 256 MB or more
	Inbuilt / Flash Memory 32 MB, upgradeable to 64 MB or more
Security	GRE and IP Sec 3DES/AES VPN for configuration of VPN tunnels.
	Encryptions, IP Sec 3DES/AES
	NAT, PAT
	Access control - Multilevel
	Support for Standard Access Lists to provide supervision and control.
	Controlled SNMP Access using ACL on router to ensure SNMP access only to identified NMS/EMS
	Controlled SNMP access through the use of SNMP with MD5 authentication.
	Multiple Privilege Levels for managing & monitoring
	Support for RMON 1 & 2 groups as and when required
	Support for Remote Authentication User Service (RADIUS) and AAA
Routing Protocols	PPP CHAP support. PAP (optional)
	Static Routes
	RIPv1, RIPv2
	OSPFv2 and v3.
	BGP4, IS-IS
Protocols	Route redistribution between any of the above protocols
	PPP, Multi-link PPP
	HDLC
	IPv4, IPv6
	MPLS
IP Accounting	VRRP / HSRP
	Using external Hardware/software infrastructure
	Packet & Byte Counts
	Start & End Time Stamp
	Network Time Protocol
	Input & Output interface ports.
	Type of service, TCP Flags & Protocol
	Source & Destination IP addresses
Source & Destination TCP/UDP ports	
Management	Accessibility using Telnet, SSH, Console access.
	Easier Software upgrades through network, using FTP, TFTP, etc.
	SNMPv1, snmpv2/v3
	Configuration management through CLI, GUI based software utility and using web interfaces. GUI tools shall be provided.
	Event and system history logging functions shall be available.

Features	Specifications Required
	Support for Syslog Server required Support pre-planned timed reboot to upgrade Hardware to a new software feature and plan the rebooting as an off-peak time. Shall support boot options booting from remote Network node.
QoS	ToS, CoS, Queuing, prioritizing
Debug & Diagnostics	IP Precedence, Policy based routing Display of input and output error status on all interfaces Display of Dynamic ARP table Display of physical layer line status signals like DCD, DSR, DTR, RTS, CTS on all interfaces Display of Routing table Trace-route, Ping, extended PING
Physical	Router should be mountable on 19" Rack
	All necessary power cords, adapters, data cables, connectors, CDs, manuals, brackets accessories, wire managers, etc. should be provided
Performance	minimum 0.2mpps

## Network Switch

Features	Specifications Required
Interface /Slots	1 x 8 ports 10x100 FE
VLAN features	IEEE 802.1Q VLAN encapsulation
	Dynamic Trunking Protocol (DTP) or equivalent
	Minimum 255 VLAN
Management	Accessibility using Telnet, SSH, Console access.
	SNMPv1, snmpv2/v3
Standards	IEEE 802.1x support
	IEEE 802.3x full duplex on 10BASE-T and 100BASE-TX ports
	IEEE 802.1d Spanning-Tree Protocol
Power Supply	Internal power supply 230 Volt 50Hz input
Miscellaneous	All necessary power cords, adapters, data cables, connectors, CDs, manuals, brackets accessories, wire managers, etc. should be provided

## Tape Library

- Offered Tape Library shall support Native data capacity of 6TB (uncompressed) expandable to 12 TB (compressed).
- Tape Library shall provide web based remote monitoring capability.
- The Tape Library unit shall be configured with FC **LTO Gen 5** Tape Drives.
- Tape Drive Architecture in the Library shall conform to Ultra3 SCSI standards.
- Offered **LTO 5** drive in the Library shall conform to the Continuous and Data rate matching technique for higher reliability.
- Offered **LTO 5** drive in the library shall offer optional WORM support and embedded AES 256 bit Encryption support.
- Offered Library shall be provided with a hardware device like USB key, separate appliance etc. to keep all the encrypted keys in a redundant fashion.
- Offered **LTO 5** drive shall have native speed of 120MB/sec and a compressed speed of 240 MB/sec for 2:1 compression.
- Tape Library shall provide Fiber connectivity to SAN Environment.
- For optimal Performance. Tape Library shall provide 4Gbps Native FC interface connectivity to SAN switches.
- Tape Library shall be offered with minimum of 24 slots.
- Tape library shall support removable magazine and mail slot.

## Storage System (SAN + NAS)

- The storage solution must be multiprotocol (CIFS, NFS, iSCSI, FCP, )
- The storage array should support industry-leading Operating System platforms & clustering including: Windows Server 2003 (Enterprise Edition), Windows Server 2008, Sun Solaris, HP-UX, IBM-AIX, Linux and Novell NetWare.
- Offered Array should have usable 5 TB capacities with protection against dual disk failure with no performance penalty on 300 GB FC / SAS drives and should be scalable to at-least minimum of 120 numbers of Drives. It should support FC / SAS and SATA Disk Drives
- The storage solution should support UNIX/firmware based operating system, dual, redundant, hot-pluggable; active-active array controllers.
- Storage array shall be based on latest PCI-e technology to ensure that there is no IO bottleneck.
- Controllers shall be true active-active.
- Offered Storage Array shall be configurable in a No Single Point of configuration including Array Controller card, Cache memory, FAN, Power supply etc.
- The storage array should have a minimum of 4 GB cache out of which atleast 1 GB should be unseable write cache.
- Storage box shall support atleast 20000 cached IOPS.
- Storage box shall support more than 1200MB/sec sequential bandwidth.
- Offered Storage shall have minimum of 4 host ports and 4 device ports 8 SAS lanes for Servers and disk connectivity.
- Offered storage shall be end to end 4Gbps.

- The storage array should support RAID 10, 5 and 6.
- The storage array should support 4/6Gbps dual-ported 300/450GB hot-pluggable Enterprise FC/ SAS and S-ATA drives.
- Offered storage shall have Switching support for disk drives for better performance and lower arbitration.
- The storage array should support virtualization at the storage controller level.
- In case of power failure, storage subsystem shall have the Capability to keep the uncommitted information inside cache for at-least 72 hours or in a de-staged fashion.
- The Storage Array should support incremental resynchronization between Primary and Snapshot / clone volume.
- In case of Disk failure inside the storage subsystem, Disk re-building time shall not have any relation with the number of disk drives in the disk group for better recovery time and to avoid performance issues.
- Offered storage shall support non-disruptive online firmware upgrade for both Controllers and disk drives.
- Must support block-level incremental replication of data over TCP/IP using FCIP for DR
- Must be able to clone data rapidly while minimizing physical storage space consumption without using additional space upon creation of the clone; only changes to the clone's data should take up space
- Must be able to grow/shrink data volumes without application downtime
- Must support thin provisioning of data as part of the normal storage provisioning process; thin provisioning should not place any restrictions on storage volumes
- The system hardware must be upgradable for higher performance and capacity with no data movement or migration required.
- The system must simultaneously support NAS (CIFS and NFS) and SAN (FC and iSCSI) connectivity.
- The storage system's operating system must be certified by a qualified third party or the OEM should give a certificate for the same on the OEM letter head.

## TECHNICAL SPECIFICATIONS UPS 5 KVA ON-LINE, 1 HOUR BACKUP

	<b>Description/ Parameter</b>	<b>Specifications Required</b>
01	Input Voltage Range	230v + 15 -30 % Single Phase
02	Input Frequency Range	47 Hz To 53 Hz
03	Output Voltage Regulation	230 V $\pm$ 1%
04	Output Frequency	50 Hz $\pm$ 0.1% Free Running 50 Hz $\pm$ 6% synchronized to mains
05	Output Power Rating	5000 VA/4000 Watts
06	Output Waveform	Sine Wave
07	Total Harmonic Distortion For Linear And Non-Linear Loads	Less than 5%
08	Overload Capacity	110 % For 10 Minutes 150 % For 1 Minute
09	Transient Response For 100% Step Load	$\pm$ 10% With Recovery Within 3 Cycles.
10	Efficiency Overall Inverter	Better than 85% Better than 90%
11	Crest Factor	3:1
12	Operating Temperature	0-50 degrees Centigrade
13	Relative humidity	0 % to 95%, non condensing
14	Battery Charger	Built In Float Cum Boost Charger With CC & CV Mode. Should be able to charge a fully discharged battery in 10 hours
15	Protections	-Input And Output Under Voltage And Over Voltage Protection -Output Short-Circuit Protection- -Output Overload Protection- -Full Isolation Between Input & Output.
16	Indications	Mains ON, Charger ON, Battery Low, Inverter ON, System Trip/ Inverter Trip
17	Alarms	-Low Battery -Mains Failure
18	Metering	Input Voltage, Output Voltage and Current, Battery Voltage And Current.
19	Power management software	Software suite CD ROM (Bundled with UPS)
20	Nominal DC Voltage	(To Be Specified)
21	Backup Time	1 Hour on Full Resistive Load Of 4000 Watts
22	No. Of Batteries	(To Be Specified)
23	Type Of Batteries	Sealed, maintenance free
24	Capacity Of Batteries	Minimum 8190 VAH
25	Make Of Batteries	(To Be Specified Only reputed makes will be considered)
26	Manual Bypass	To Be Provided
27	Static Bypass	To Be Provided with changeover within 4 ms
28	Audible noise	Not more than 55 dbA
29	Accessories	Power cables, media, manageability software, documentation etc
30	Supported os for manageability software	Windows 2003 server, win 2000 pro, Win Xp, Windows Vista
31	Warranty	Five Years on site including Batteries.
32	Redundancy	Option for operating two UPS systems in parallel redundant mode with load sharing to be made available if required.

## FORMAT FOR BID SECURITY

To

The Managing Director  
Madhya Pradesh State Electronics Development Corporation  
147, Zone I, MP Nagar,  
Bhopal (MP)

Dear Sir,

At the request of our client(s), ----- and acting upon its / their instructions, the undersigned issuing bank (the "Issuing Bank") hereby provides this irrevocable guarantee (the "Guarantee") in the amount of ----- (the "Guaranteed Sum") issued in the favour of Madhya Pradesh State Electronics Development Corporation (the "MPSEDC").

Subject to the other provisions contained in this Guarantee, the Corporation may demand payment of the Guaranteed Sum from the Issuing Bank in full (or in such part thereof as may be demanded) by submitting a written demand by the Authorized Signatory of the Corporation (each such demand, a "Payment Demand"), stating the amount of payment demanded and that there has been a breach by the Bidder of any of its obligations under the Tender No ----- issued by the Corporation on ----- pursuant to which the Corporation invited proposals to undertake the Project.

The Corporation shall be entitled to submit as many Payment Demands as it deems necessary, it being understood that, where the amount demanded under any Payment Demand, or the aggregate of the amounts demanded under all Payment Demands submitted, exceeds the Guaranteed Sum, the Issuing Bank shall only be required to pay to the Corporation an amount equal to the Guaranteed Sum.

The Issuing Bank shall honour all Payment Demands made by Corporation under the terms of this Guarantee, and agrees to pay the Guaranteed Sum in full (or in such part thereof as may be demanded) upon first demand and delivery of each Payment Demand, provided that the form of the Payment Demand and the manner in which it is submitted conform to the provisions established in the preceding paragraph and that such Payment Demand is submitted before the Expiration Date (as defined hereunder below).

Each Payment Demand must be submitted during days and hours when the Issuing Bank is open for business in Bhopal, Madhya Pradesh. The Issuing Bank agrees to pay the funds requested in each corresponding Payment Demand to Corporation in immediately available funds no later than forty eight (48) hours after the hour in which the Payment Demand was submitted by Corporation, excluding any hours during days on which the Issuing Bank is not open for business in Bhopal, Madhya Pradesh, and provided that the documentation presented satisfies the requirements contained in this Guarantee. The Issuing Bank shall make all payments under this Guarantee with its own funds. If the Payment Demand fails to comply with any of the requirements established in this Guarantee, the Issuing Bank will immediately notify Corporation in writing at the address listed herein for Corporation, or at the address provided in writing by Corporation to the Issuing Bank for such purpose. The Issuing Bank shall explain in such notice in what respect the Payment Demand does not comply with the terms of this Guarantee and shall return the Payment Demand to Corporation. The Corporation may resubmit any Payment Demand so returned. All payments that the Issuing Bank makes to Corporation hereunder shall be made by electronic transfer in immediately available funds to the bank account specified by Corporation in the corresponding Payment Demand.

This Guarantee shall expire on the first of the following dates (the "Expiration Date"):

(a) -----

(b) following the return of this original Guarantee by Corporation to the Bidder, the date upon which the Bidder delivers it to the Issuing Bank.

Corporation may not submit any Payment Demand to the Issuing Bank once this Guarantee has expired, nor shall the Issuing Bank be obligated to make any payment hereunder in respect of any Payment Demand submitted after this Guarantee has expired.

Corporation's rights under this Guarantee are not transferable, except that such rights may be transferred by Corporation to any other Ministry or Corporation of Corporation or to entities affiliated with the Government, it being understood that such entities include any company or agency that is controlled by Corporation or is under the common control of another company or agency with the Government.

All charges of the Issuing Bank related to the issuance or performance of this Guarantee (including, but not limited to, the negotiation, payment, extension or transfer hereof) shall be borne by the Bidder and under no circumstances shall be charged to Corporation by the Issuing Bank.

This Guarantee shall be governed by and interpreted in accordance with the laws of India. The High Court of Jabalpur shall have exclusive jurisdiction over any controversy arising hereunder. Any communication from Corporation or any other body of Corporation with respect to this Guarantee shall be in writing and delivered by hand, with receipt confirmed, to the address at which Payment Demands are to be delivered.

Yours faithfully,

(Authorised Representative of the Issuing Bank)

[Seal of Issuing Bank]

## FORMAT FOR PERFORMANCE BANK GUARANTEE

### PERFORMANCE GUARANTEE

Ref. No. \_\_\_\_\_ Bank Guarantee No \_\_\_\_\_ Dated \_\_\_\_\_

To,

The Managing Director

M P State Electronics Development Corporation Limited

147, Zone I, Maharana Pratap Nagar,

Bhopal 462011, Madhya Pradesh, India

(A) Whereas Madhya Pradesh State Electronics Development Corporation Limited (MPSEDC) has declared [M/s ..... the "Prime Bidder / Consortium"] as successful Bidder for ----- as per Tender No. -----, [the "Prime Bidder / Consortium"] and MPSEDC have agreed to enter into an Agreement (the "Agreement") in accordance with the provisions of the TENDER including all subsequent amendments thereof.

(B) The TENDER requires the Prime Bidder / Consortium to furnish a Performance Security to MPSEDC in a sum of Rs.----- (Rupees -----) (the "Guarantee Amount" i.e equivalent to 10% of the bid value) as security for due and faithful performance of its obligations, under and in accordance with the Agreement, during the execution Period (as defined in the Tender).

(C) We, \_\_\_\_\_ through our Branch at \_\_\_\_\_ (the "Bank") have agreed to furnish this Bank Guarantee by way of Performance Security.

NOW, THEREFORE, the Bank hereby, unconditionally and irrevocably, guarantees and affirms as follows:

1. The Bank hereby unconditionally and irrevocably guarantees the due and faithful performance of the Prime Bidder / Consortium's obligations during the execution Period, under and in accordance with the Agreement, and agrees and undertakes to pay to MPSEDC, upon its mere written demand from time to time, and without any demur, reservation, recourse, contest or protest, and without any reference to the Prime Bidder / Consortium, such sum or sums upto an aggregate sum of the Guarantee Amount as MPSEDC shall claim, without MPSEDC being required to prove or to show grounds or reasons for its demand and/or for the sum specified therein.
2. A letter from MPSEDC, under the hand of the Managing Director of MPSEDC or it's authorized representative that the Prime Bidder / Consortium has committed default in the due and faithful performance of all or any of its obligations under and in accordance with the Agreement shall be conclusive, final and binding on the Bank. The Bank further agrees that MPSEDC shall be the sole judge as to whether the Prime Bidder / Consortium is in default in due and faithful performance of its obligations during the Construction Period under the Agreement and its decision that the Prime Bidder / Consortium is in default shall be final, and binding on the Bank, notwithstanding any differences between MPSEDC and the Prime Bidder / Consortium, or any dispute between them pending before any court, tribunal, arbitrators or any other Corporation or body, or by the discharge of the Prime Bidder / Consortium for any reason whatsoever.
3. In order to give effect to this Guarantee, MPSEDC shall be entitled to act as if the Bank were the principal debtor and any change in the constitution of the Prime Bidder / Consortium and/or the Bank, whether by their absorption with any other body or corporation or otherwise, shall not in any way or manner affect the liability or obligation of the Bank under this Guarantee.
4. It shall not be necessary, and the Bank hereby waives any necessity, for MPSEDC to proceed against the Prime Bidder / Consortium before presenting to the Bank its demand under this Guarantee.
5. MPSEDC shall have the liberty, without affecting in any manner the liability of the Bank under this Guarantee, to vary at any time, the terms and conditions of the Agreement or to extend the time or period for the compliance with, fulfillment and/ or performance of all or any of the obligations of the Prime Bidder / Consortium contained in the Agreement or to postpone for any time, and from time to time, any of the rights and powers exercisable by MPSEDC against the Prime Bidder / Consortium, and either to enforce or forbear from enforcing any of the terms and conditions contained in the Agreement and/or the securities available to MPSEDC,

and the Bank shall not be released from its liability and obligation under these presents by any exercise by MPSEDC of the liberty with reference to the matters aforesaid or by reason of time being given to the Prime Bidder / Consortium or any other forbearance, indulgence, act or omission on the part of MPSEDC or of any other matter or thing whatsoever which under any law relating to sureties and guarantors would but for this provision have the effect of releasing the Bank from its liability and obligation under this Guarantee and the Bank hereby waives all of its rights under any such law.

6. This Guarantee is in addition to and not in substitution of any other guarantee or security now or which may hereafter be held by MPSEDC in respect of or relating to the Agreement or for the fulfillment, compliance and/or performance of all or any of the obligations of the Prime Bidder / Consortium under the Agreement.
7. Notwithstanding anything contained hereinbefore, the liability of the Bank under this Guarantee is restricted to the Guarantee Amount and this Guarantee will remain in force for the period specified in paragraph 11 below (including the period of agreement and six months period for demand or claims) and unless a demand or claim in writing is made by MPSEDC on the Bank under this Guarantee, not later than the date of expiry of this Guarantee, all rights of MPSEDC under this Guarantee shall be forfeited and the Bank shall be relieved from its liabilities hereunder.
8. The Performance Security shall cease to be in force and effect upto Six Months after the agreement period provided the Prime Bidder / Consortium is not in breach of this Agreement. Upon request made by the Prime Bidder / Consortium for release of the Performance Security along with the particulars required hereunder, duly certified by a statutory auditor of the Prime Bidder / Consortium, MPSEDC shall release the Performance Security forthwith.
9. The Bank undertakes not to revoke this Guarantee during its currency, except with the previous express consent of MPSEDC in writing, and declares that it has the power to issue this Guarantee and the undersigned has full powers to do so on behalf of the Bank.
10. Any notice by way of request, demand or otherwise hereunder may be sent by hand, Fax or post addressed to the Bank at its above referred Branch, which shall be deemed to have been duly authorized to receive such notice and to effect payment thereof forthwith, and if sent by post it shall be deemed to have been given at the time when it ought to have been delivered in due course of post and in proving such notice, when given by post, it shall be sufficient to prove that the envelope containing the notice was posted and a certificate signed by an officer of MPSEDC that the envelope was so posted shall be conclusive.
11. This guarantee will remain in force up to (Date) and any demand in respect thereof should reach the Bank not later than the above date.
12. Our liability under this Bank Guarantee shall not exceed and is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only).
13. Unless the demand/claim under this guarantee is served upon us in writing before ---- day of \_\_\_\_\_ all the rights of MPSEDC under this guarantee shall stand automatically forfeited and we shall be relieved and discharged from all liabilities mentioned herein above."
14. This Guarantee shall come into force with immediate effect and shall remain in force and effect up to \_\_\_\_ day of \_\_\_\_ or until it is released earlier by MPSEDC pursuant to the provisions of the Agreement.

We undertake to pay the MPSEDC up to the above amount upon receipt of its first written demand, without the MPSEDC having to substantiate its demand.

Signed and sealed this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ at \_\_\_\_\_.

SIGNED, SEALED AND DELIVERED  
For and on behalf of the BANK by:  
(Signature)  
(Name, Designation & Address)

WITNESS

-----

(Signature)  
Full name and official Full name, designation and Address with Bank stamp

## Proforma for Agreement between MPSEDC and Selected Bidder

(To be executed on Stamp paper as per legal requirement)

THIS AGREEMENT made on the \_\_\_\_\_ day of \_\_\_\_\_ 2009 between M P State Electronics development Corporation Ltd (Name of MPSEDC) having its registered office at 147, Zone I M P Nagar Bhopal MP of one part and M/s \_\_\_\_\_ having its registered office at \_\_\_\_\_ [hereinafter called "System Integrator (SI)"] of the other part.

WHEREAS MPSEDC has desired that certain Goods and services viz \_ Supply, Installation, Commissioning and Operation of GPS based vehicle tracking system for the Food and Civil Supplies Department of the Government of Madhya Pradesh as per the Scope of work & specifications given in the tender document, referred below, and has accepted a Tender by the SI (Wide LOI no ----- dated ----- ) for the supply of those goods and services for the sum of \_\_\_\_\_ (Contract Price in Words and Figures) (hereinafter called "the Contract Price").

Whereas the SI has accepted the offer of MPSEDC Wide Letter no ----- dated ----- in response to the LOI no ----- dated ----- issued by MPSEDC.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have same meanings as are respectively assigned to them in the Conditions of Tender referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement,
  - a. ----
  - b. ----
  - c. ---- etc
3. In consideration of the Payments to be made by MPSEDC to the SI as hereinafter mentioned, the SI hereby covenants with MPSEDC to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Tender Document.
4. MPSEDC hereby covenants to pay the SI in consideration of the provisions of the goods and services and the remedying of defects therein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed in the Tender Document.
5. The following terms & conditions shall apply in addition to the terms & conditions given in the tender document and shall over ride the conditions given in the tender document No RFP No \_\_\_\_\_.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ at \_\_\_\_\_.

(Signature)

Full name, designation and official address with stamp

(Signature)

Full name, designation and official address with stamp

WITNESS NO. 1

Full name, designation and official address with stamp

WITNESS NO. 2

Full name, designation and official address with stamp

## Specifications of GPS Device

System GSM	900/1800/1900 MHZ Tri-band GSM & GPRS
System GPS	20 Channel High Sensitivity GPS receiver supporting NMEA 0183 with Receiver sensitivity of -160 dBm
GPS Accuracy	Less than 5 Meters
Output	Class 4 (2W for GSM 900) Class 1 (1W for GSM 1800/1900)
SIM (RUIM) Interface	External/Internal SIM 1.8V & 3V
SMS	Should Support Text
GPRS Packet Data	Class 10; Coding Scheme CS1 to CS4
Memory	In case of loosing connection the device should store a minimum of 1000 records and once the connection is established the device should send the stored data via GPRS.
LED Indication	Power, GSM, GPS
Connectors/Switches	RS-232 Serial/USB/Mini USB/Micro USB SIM Card Holder Antenna & Connector for GPS & GSM with appropriate cable
Battery	Minimum 1000 mA/HR Li-ion or Li- Polymer Battery
Battery Life	50 Hours with 96 Coordinates per day 400 Hours in Sleep/Standby mode
External Power Supply	DC input voltage range (10V – 30V)
Temperature	Operating: - 10°C to +55°C Storage: - 40°C to +85°C
Humidity	5% - 85% RH
Software	PC Utility for configuring the unit, Should have facility for Local & Remote Configuration
Accessories	All accessories required for installing & operating the device in Vehicle should be supplied.

मध्य प्रदेश में स्थित भारतीय खाद्य निगम के बेस डिपो

क्र	भारतीय खाद्य निगम	क्र.	राजस्व जिले	प्रदाय केन्द्र बीपीएल/एएवाय/एमडीएम	बेस डिपो के नाम
1.	ग्वालियर	1	ग्वालियर		ग्वालियर
		2	भिण्ड		दतिया
		3	दतिया		
		4	शिवपुरी		
		5	मुरैना		मुरैना
		6	शयोपुरकलां	शयोपुरकलां	
		7	गुना		अशोकनगर
		8	अशोकनगर		
2.	इंदौर	9	इंदौर		इंदौर
		10	धार	धामनोद	
		11	बड़वानी		
		12	झाबुआ	मेघनगर	
		13	अलीराजपुर	अलीराजपुर	
		14	खंडवा		खंडवा
		15	बुरहानपुर		
		16	खरगौन	खरगौन	
3.	उज्जैन	17	उज्जैन		उज्जैन/देवास
		18	शाजापुर		
		19	मंदसौर		
		20	नीमच		
		21	देवास		देवास
		22	रतलाम		रतलाम
4.	भोपाल	23	भोपाल		भोपाल
		24	सीहोर		भोपाल/इटारसी
		25	राजगढ़		भोपाल/देवास
		26	बैतूल		बैतूल
		27	होशंगाबाद		इटारसी
		28	हरदा		
5.	सागर	29	सागर		सागर
					बीना
		30	दमोह		दमोह
		31	विदिशा		विदिशा/सागर/भोपाल
		32	रायसेन		
		33	नरसिंहपुर		नरसिंहपुर
					गाडरवाड़ा
6.	सतना	34	सतना		सतना
		35	पन्ना		सतना/कटनी
		36	सीधी	सीधी	

		37	रीवा		रीवा
		38	टीकमगढ़		निवारी
		39	छरतपुर		हरपालपुर
		40	सिंगरौली		
7.	जबलपुर	41	जबलपुर		जबलपुर
		42	मण्डला	मण्डला	
		43	डिण्डोरी	डिण्डोरी	
				शाहपुरा	
		44	सिवनी	सिवनी	
				लखनादौन	
		45	बालाघाट	बालाघाट	
		46	कटनी		कटनी
		47	छिंदवाड़ा	छिंदवाड़ा	
				पाँदूना	
		48	शहडोल		शहडोल
		49	उमरिया		शहडोल / कटनी
		50	अनुपपुर		

### मध्य प्रदेश में स्टेट सिविल सप्लायज कार्पोरेशन के जिलेवार प्रदाय केन्द्र

जिला	प्रदाय केन्द्रों की संख्या	प्रदाय केन्द्रों का नाम
भिण्ड	4	भिण्ड, गोहद, मेहगांव, लहार
मुरैना	6	मुरैना, अम्बाह, पोरसा, जौरा, कैलारस, सबलगढ़
श्यापुरकलॉ	3	विजयपुर, श्यापुरकलॉ, कराहल
ग्वालियर	2	ग्वालियर, डबरा
शिवपुरी	3	शिवपुरी, करैररा, पिछौर
गुना	4	गुना, राधौगढ़, आरोन, बीनागंज
अशोकनगर	2	अशोकनगर, मुंगावली
दतिया	3	दतिया, सेंवड़ा, भाडेर
इंदौर	4	इंदौर, महु, देपालपुर, सावेर
धार	6	धार, बदनावर, कुक्षी, धामनोद, मनावर, राजगढ़
झाबुआ	3	झाबुआ, मेघनगर, पेटलावद
अलीराजपुर	2	अलीराजपुर, जोबट
खरगौन	5	खरगौन, सनावद, कसरावद, भीकनगांव, करही
बड़वानी	4	बड़वानी, सेधवा, अंजड़, पानसेमल
खण्डवा	3	खण्डवा, छनेरा (हरसूद) खालवा
बुरहानपुर	1	बुरहानपुर
उज्जैन	6	उज्जैन, महिदपुर, तराना, खाचरोद, बड़नगर, नागदा
मन्दसौर	4	मन्दसौर, शामगढ़, पिपल्यामंडी, सीतामउ
नीमच	2	नीमच, मनासा
रतलाम	4	रतलाम, जावरा, आलौट, सैलाना
देवास	5	देवास, सोनकच्छ, खातेगांव, कन्नौद, बागली
शाजापुर	5	शाजापुर, शुजालपुर, नलखेड़ा, आगर, सुसनेर

भोपाल	2	भोपाल, बैरसिया
बैतूल	4	बैतूल, मुलताई, भैंसदेही, आठनेर
सीहोर	5	सीहोर, आष्टा, नसरुल्लागंज, इछावर, बुधनी
रायसेन	9	रायसेन, सलामतपुर, उदयपुरा, गैरतगंज, बाड़ी, बरेली, सिलवानी, औबेदफल्लागंज, बेगमगंज
विदिशा	6	विदिशा, गंजबासौदा, कुरवाई, सिरोंज, लटेरी, शमशाबाद
राजगढ़	5	राजगढ़, ब्यावरा, नरसिंहगढ़, सारंगपुर, खिलचीपुर
होशंगाबाद	5	होशंगाबाद, इटारसी, पिपरिया, बानापुरा, सोहागपुर
हरदा	3	हरदा, खिरकिया, टिमरनी
सागर	5	सागर, खुरई, बीना, देवरी, रहली
दमोह	3	दमोह, हटा, तेन्दुखेड़ा
टीकमगढ़	4	टीकमगढ़, निवाडी, जतारा, बल्देवगढ़
छतरपुर	5	छतरपुर, हरपालपुर, बड़ामलहेरा, लोड़ी, चंदला
पन्ना	4	पन्ना, पवई, अजयगढ़, अमानगंज
जबलपुर	1	जबलपुर
कटनी	2	कटनी, सिहोरा
नरसिंहपुर	4	नरसिंहपुर, गोटेगांव, करेली, गाडरवारा
छिन्दवाड़ा	5	छिन्दवाड़ा, पांडूना, सौसर, तामिया, अमरवाड़ा
सिवनी	4	सिवनी, लखनादोन, घूमा, पलारी
मण्डला	4	मण्डला, नैनपुर, बिछिया, निवास
डिंडोरी	1	डिंडोरी
बालाघाट	5	बालाघाट, बारासिवनी, बैहर, कंटगी, लालबर्वा
रीवा	4	रीवा, चाकघाट, मउंगज, सिरमौर
सतना	4	सतना, नागौद, मैहर, अमरपाटन
सीधी	2	सीधी, मझौली
सिंगरौली	3	बैढन, चितरंगी, देवसर
शहडोल	4	शहडोल, बुढार, ब्यौहारी, जयसिंहनगर
अनूपपुर	3	अनूपपुर, कोतमा, राजेन्द्र ग्राम
उमरिया	2	उमरिया, मानपुर
योग	189	

### मध्य प्रदेश के केरोसीन डिपो

क्र	स्थान	जिला	आई. ओ. सी.	बी.पी.सी.	एच. पी. सी.
1	भोपाल / बकानिया	भोपाल	1	1	1
2	मांगलिया	इन्दौर	1	1	1
3	राउ	ग्वालियर	1	1	1
4	भिटौनी	जबलपुर	1	1	1
5	इटारसी	होशंगाबाद	1	0	0
6	रतलाम	रतलाम	1	0	0
7	नरियावली	सागर	1	0	1
8	जयन्त	सीधी	1	0	0
	<b>योग</b>		<b>8</b>	<b>4</b>	<b>5</b>