

Ref: HLL/PCD/HP/05/14-15/

Date: 30.08.2014

To

Sub: Procurement of “Automatic Vehicle Location Tracer (AVLT)” for and on behalf of Mission Director-cum-Member Secretary, National Health Mission (NHM), Kasumpti, Shimla, Himachal Pradesh.

Ref: Tender enquiry no. HLL/PCD/HP/05/14-15 dated 30/08/2014

Sealed quotations are invited from the bonafide suppliers having experience in the field of supplying Automatic Vehicle Location Tracer(AVLT) under scope of the referred tender enquiry.

The rate of the equipment should be quoted strictly as per the technical specification, other terms & conditions attached with this limited tender enquiry document.

It is requested to quote the best possible price. The quotations in a sealed envelope should reach this office on or before the stipulated date and time as mentioned in the Tender Enquiry Document enclosed herein.

Thanking You
For HLL Lifecare Limited

Head (P&CD)

Encl: Limited Tender Enquiry Document

Tender Enquiry No.: HLL/PCD/HP/05/14-15

Date: 30/08/2014

LIMITED TENDER ENQUIRY

Procurement & Consultancy Services Division of HLL Lifecare Limited, for and on behalf of Mission Director-cum-Member Secretary, National Health Mission (NHM), Kasumpti, Shimla, Himachal Pradesh invites sealed tenders, from eligible and qualified tenderers for supply of Automatic Vehicle Location Tracer (AVLT). Eligible bidders are requested to submit their best offer along with complete technical details in line with the commercial Terms & Conditions as detailed below read with Annexure I to X.

❖ **INSTRUCTIONS TO BIDDER (ITB)**

- 1.0** All quotation/s and subsequent Correspondence should be sent to the address given below:
Head (P&CD),
HLL Lifecare Ltd.
Procurement & Consultancy Services Division
B-14A, Sector-62, Noida-201 307
Phone: 0120-4071500; Fax: 0120-4071513

Note: Bidders not received any direct enquiry from HLL may participate in this tender by downloading the Tender Enquiry from the website www.lifecarehll.com or www.eprocure.gov.in with prior intimation to the above address.

- 2.0** The 1st envelope superscribed with “Technical Bid, Signed copy of Tender Enquiry Document and EMD” shall contain EMD and relevant documents mentioned herein.

The 2nd envelope superscribed with “Price bid with Name of item(s) offered” shall contain the ‘Price schedule’.

Both envelopes may be placed in separate 3rd envelope superscribed with “Tender No. & Date of Opening”.

Tender/s received in any other mode or without requisite EMD is liable to be summarily rejected.

- 3.0** Tender should reach this office on or before 15.09.2014 upto 02:30 PM. Technical bids shall be opened on the same day at 03:00 PM, in presence of the representative of firm(s) who may choose to be present. Price bids of techno-commercial responsive bidders shall be opened later on with intimation to techno-commercial responsive bidders.

- 4.0** In the event of any of the above mentioned dates being declared as a holiday/closed day for the Tender inviting organization, the tenders will be received/opened on the next working day at the appointed time.

- 5.0** Late tender/telegraphic tenders & tenders over email shall not be considered and no claim, whatsoever will be accepted.

6.0 TENDER VALIDITY:

The Rates should be valid for acceptance of order at least for **60 days** from the date of opening of Techno-Commercial tender.

- 7.0** The tenderer should sign & stamp each page of this tender enquiry document as a token of having read, understood and accepted the terms & conditions contained herein.
- 8.0** The tenderer shall submit an affidavit as per format given in **Annexure-IX**
- 9.0** The Manufacturer or their Authorised agent can participate in this tender. In case the tender is submitted by an agent other than the principal company, a Manufacturer's Authorisation shall be given in the Format as **Annexure-VII**.
- 10.0** The bidder shall provide their past major supplies year wise. The copies of latest/recent Supply orders for supply of Products along with end users certificate for satisfactory performance of the offered product as detailed below:
- (i) The Manufacturer should have supplied and installed in last **five years** from the date of Tender Opening, at least 33% of the quoted quantity of the similar equipment meeting major parameters of technical specification which is functioning satisfactorily. The proof of acceptance and/or satisfactory installations issued by consignee/purchaser shall be accepted for this qualification criterion.
 - (ii) The Tenderers quoting as authorized representative of the manufacturer meeting the above criteria 2 (i) should have executed at least one contract in the last five years from the date of tender opening of similar equipment meeting major parameters of technical specification which is functioning satisfactorily, anywhere in India of any manufacture. The proof of acceptance and/or satisfactory installations issued by consignee/purchaser shall be accepted for this qualification criterion.

These should be placed in Envelope 1.

11.0 PRICES:

- Prices quoted in INR only should be 'Firm & Final' for full quantity, inclusive of all levies prepaid up to consignee end, inclusive of all charges like packing & forwarding, loading, unloading, transit insurance, all duties & taxes, any other incidental expenses, installation and commissioning of the equipment at consignee site.
- In case the quotation does not indicate clearly whether the Prices are firm or not, the quoted Price shall be deemed as firm & final. The overwriting should be avoided in the quotation.
- Excise duty, Sales Tax and other levies, if applicable, should be indicated clearly with their present rates. In case applicable taxes, duties etc., are not indicated clearly, it would be assumed that the same are included in the basic rates.
- Octroi / Entry Tax / Tax by local Municipal body shall be re-imbursed at actual if not exempted. Where ever required, the tenderer should obtain the Octroi exemption certificate, road permit & entry tax exemption certificate from the consignee much in advance to avoid payment of such local taxes or duties.
- A certificate indicating that the rates quoted are same as charged to other Govt./PSU's for similar supplies made in recent past should accompany the bid (with proof of order copies) in support of its price reasonability in Envelope 2.

Prices should be quoted clearly as per Price Schedule in Annexure-III.

12.0 EARNEST MONEY DEPOSIT (EMD):

- Tenderer shall furnish along with its tender, earnest money for an amount as shown in the 'LIST OF REQUIREMENT' in **Annexure-I**.

- The earnest money shall be furnished in one of the following forms. EMD furnished in any other form shall not be accepted.
 - (i) **Account Payee Demand Draft**
 - (ii) **Banker's cheque**
 - (iii) **Bank Guarantee**
- The demand draft or banker's cheque shall be drawn on any scheduled bank in India, in favour of the "HLL Lifecare Limited", payable at New Delhi".
- If the EMD is submitted in form of Bank Guarantee it should be as per format given in **Annexure-IV**
- **Quotations received without requisite EMD shall be summarily rejected.**
- EMD of unsuccessful tenderers will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after finalization of the resultant contract. EMD of successful tenderer's will be returned without any interest, after receipt of performance security from that tenderer.
- The tenderers who are currently registered and, also, will continue to remain registered during the tender validity period with Directorate General of Supplies & Disposals or with National Small Industries Corporation for the specific goods as per tender enquiry specification shall be eligible for exemption from EMD. Vague stipulations in the Registration Certificate such as "to customers' specification" etc. will not be acceptable for exemption from furnishing of earnest money. In case the tenderer falls in these categories, it should furnish copy of its valid registration details (with DGS&D or NSIC, as the case may be).

13.0 **PRODUCT SPECIFICATIONS:**

Brand/model name and type of Product being offered by the Firm must be clearly mentioned in the offer. Tenderer should confirm that the stores offered conform strictly to relevant specifications asked in this Tender Enquiry Document at **Annexure-II**. Deviations, if any, are to be clearly mentioned. Complete product specifications, technical details, illustrations, literature, printed pamphlets/leaflets etc and Manufacturers price list, if any, must accompany the quotation in Envelope1.

- 14.0 Unless specifically mentioned to the contrary in the offer itself, it will be assumed that all terms and conditions mentioned in this enquiry are acceptable to the tenderer.
- 15.0 The tender quotation of the Supplier not in conformity with the above conditions is liable to be rejected.
- 16.0 HLL reserves the right to reject or accept any or all tender(s) without assigning any reason or to place the order for part or full quantity.
- 17.0 The firms are advised to submit the compliance statement with respect to technical specification asked in the tender enquiry in the following format along with Technical bid failing which their offer will be treated as incomplete and are liable to be ignored.

Format of compliance statement:

Para of Tender Enquiry specification	Compliance to Tender enquiry Specification Yes/ No (in case 'Yes', please mention reference page/Para no. to catalogue/data sheet)	In case of non Compliance deviation From T/E Specification to be indicated in Unambiguous terms
(1)	(2)	(3)

- 18.0** Bidders may please note that complete Tender Enquiry Document is available on our website <http://www.lifecarehll.com/tender> or www.eprocure.gov.in and submit its tender by utilizing the downloaded document.

❖ GENERAL CONDITIONS OF THE CONTRACT (GCC)

1.0 INSPECTION:

The purchaser reserves the right for inspection and testing the quality & standards of the stores for assessment of quality before dispatch to the consignees or at the consignee end wherever required.

2.0 DELIVERY PERIOD FOR SUPPLY, INSTALLATION & COMMISSIONING:

In the event of placement of Supply order, the bidder shall supply the stores **within 45 days** of order. The time and date of delivery stipulated in the schedule shall be deemed to be the essence of the contract and delivery must be completed not later than the date as specified in the contract.

Installation and commissioning, wherever required, shall be completed **within 30 days** of handing over the site of installation complete in all respect by the consignee. The delay on the part of supplier in regard to installation will attract the provisions of liquidity damages clause.

3.0 LIQUIDATED DAMAGES:

In the event of placement of an order, if the Supplier fails to deliver, install and commission the stores in full or part thereof within the delivery period as stipulated in Clause 2.0 above, the Purchaser reserves the right to levy Liquidated Damages @ 0.5% (Half percent) per week of the amount of the undelivered stores for delay in supplies subject to maximum 5% of value of the supply Order. Once the maximum is reached, the purchaser may consider termination of the contract and purchase the same from elsewhere, at the risk and cost of the Supplier.

4.0 PAYMENT FOR SUPPLY PORTION:

Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract in the following manner.

(A) On delivery:

90% payment of the contract price shall be made on receipt of goods in good condition and upon the submission of the following documents:

- (i) Three copies of supplier's invoice showing supply order number, goods description, quantity, unit price and total amount
- (ii) Consignee Receipt Certificate in original issued by the authorized representative of the consignee(s) (Format attached as **Annexure-V**)
- (iii) Warranty Certificate
- (iv) Inspection Certificate by the designated authority
- (v) Country of origin in case the item is of foreign origin

(B) On Acceptance:

Balance 10% payment would be made against 'Final Acceptance Certificate' (Format attached as **Annexure-VI**) to be issued by the consignee(s) subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise.

5.0 TRANSIT INSURANCE:

Rates quoted being door delivery basis, the Supplier shall be fully responsible till full material is received in good condition up to destination. As such the Supplier shall dispatch the material duly insured and expenses on this account shall be borne by the Supplier.

6.0 WARRANTY:

- (a) Products to be offered as per 'LIST OF REQUIREMENT' shall be warranted for a period of **one year** from the date installation. If manufacturers guarantee/warranty stands for longer duration, the longer guarantee/warranty period shall be applicable.
- (b) The Supplier shall be responsible to replace the material free of cost at site in whole or in part if found defective in any respect after receipt at site or during normal & proper usage or storage/maintenance for which the Consignee/Purchaser shall give prompt written notice. Such replacements shall be effected by the Supplier within a reasonable time actually required to do so which in no case shall be more than 15 days.
- (c) The above provisions shall also equally apply to the material replaced by the Supplier under this Clause, in case the same is again found to be defective after its replacement.
- (d) If the Supplier fails to act with requisite promptness and thereby entails avoidable loss to the purchaser, it shall be liable to suitable action as deemed fit during the Operative Warranty period

7.0 PERFORMANCE SECURITY FOR SUPPLY PORTION:

In the event of placement of order, within seven (7) days from date of the issue of Supply order by the purchaser, the supplier, shall furnish performance security to the purchaser for an amount equal to ten percent (10%) of the total value of the contract, valid up to two (2) months beyond the period of warranty in the **given proforma (Annexure-VIII)**. Performance security shall be in the form of Account Payee Demand Draft/Fixed Deposit Receipt or Bank Guarantee in favour of "**Mission Director-cum-Member Secretary, National Health Mission (NHM) Kasumpti, Shimla-171009, Himachal Pradesh**".

8.0 FORCE MAJEURE:

If at any time, during the currency of the contract, the performance in whole or in part by either party or any obligation under this contract shall be prevented or delayed by reason of any war, hostility, acts of public enmity, civil commotion, sabotages, fires, floods, explosions, epidemics, quarantines, restrictions, strikes, lock outs or acts of God (herein after referred to as 'the events') then provided, neither party has any claim for damage against the other in respect of such non-performance or delays in performance, deliveries under the contract shall be resumed as soon as possible if any of the events have ceased to exist within one month of expiry of contract delivery period. After this, the purchaser may cancel the contract at its discretion without any financial repercussion on either side.

9.0 APPLICABLE LAW & RESOLUTION OF DISPUTES:

The contract shall be governed by and interpreted in accordance with the laws of India for the time being in force. Any dispute arising out of or in connection with this tender, Jurisdiction of the court will be at New Delhi, India.

LIST OF REQUIREMENTS**Part I:**

Sl. No	Name of the Item	Total Qty	EMD Amount (Rs.)
1	Automatic Vehicle Location Tracer(AVLT)	79	50,000

Part II: Required Delivery Schedule:

Delivery shall be within **45 days** from date of Notification of Award. The date of delivery will be the date on which the goods are delivered to the consignee's site (Tenderers may quote earliest delivery period).

Installation and commissioning, wherever required, shall be completed **within 30 days** of handing over the site of installation complete in all respect by the consignee.

Part III: Scope of Incidental Services:

Installation & Commissioning, Supervision, Demonstration, Trial run, Training for operation and trouble shooting to the technicians /operators of the Consignee.

Part IV:

The supplier shall keep sufficient stock of spares for repair / replacement against warranty during warranty period and supplies to be made against any order within 15 days after completion of warranty for a period of 3 years.

Part V:**Required Terms of Delivery and Destination.**

Delivery required at Consignee Site at:

**The Operator of National Ambulance Service (NAS)-108
GVK-Emergency Management & Research Institute,
J P Motors Building, Vill Anji Barog, Bye pass road,
District-Solan, Himachal Pradesh**

Transit Insurance would be borne by the Supplier from warehouse to the consignee site.

NB: The consignee will ensure timely issue of Entry Tax/ Octroi Exemption Certificates, Road Permits, etc., wherever applicable, to the suppliers.

ANNEXURE-II

TECHNICAL SPECIFICATIONS

Page (1 to 10)

Vehicle Mount Smart Device

Core Functions

- **Automatic Vehicle Location and Tracking (AVLT)**

- Please find AVLT specs – Annexure-10

- **Computing**

- Data entry will be done on the forms pre-loaded. The asked question (Field query) and entered data should be visible on the LCD screen of the device.
- The entered data should be sent to the respective fields of the database table predefined
- The device should display the messages from the server. Certain fields in the forms have to be pre populated with ambulance and device specific data from the Server side.

Note: Based on the answers /choices selected in the forms the queries must be changed as per the predefined logic

Example:

“What is the Case? ” And the reply selected is “Pregnancy” the next question “MALE or FEMALE should not be asked. However this logic will be provided by GVKEMRI

- **Integration with Vehicle Systems**

The AVLT should have ability to interface sensor ports (analog/digital/serial)

- Fuel (Analog)
- Ignition (engine on/ off) (Analog/digital)
- Speed (Digital)
- Engine Oil (Analog)
- Biometric (Digital /serial)
- 2 spare ports
- RS 232 port to connect the Computing device/Medical device
- Navigation Screen input (serial/Digital): The AVLT should transmit and receive GPS Co-ordinates to and from the Navigation screen. It has to acquire its current location from AVLT and destination from the server or choice entered in Keypad (touch screen if applicable)

Note: The Ports should be on the AVLT device.

- **Integration with Medical devices**

- Some of the medical devices already purchased have to be interfaced with devices having windows Operating system (XP, VISTA or 7) The device specifications could not be finalized as the medical device’s compatibility is yet to be confirmed by the medical device manufacturer.

Auxiliary functions

The auxiliary functions mentioned below might be enabled on the same smart device or on an add-on device to the VMD. In case of add-on devices, the vendor has to ensure the connectivity and power supply to the same.

- **Biometric Identification**
 - Local registration
 - Logs to be sent to the server with time stamp, latitude & longitude from the GPS
 - Audio alert for authentication In, out & registration.
 - Employee ID, IN/OUT Visual display on the screen.
- **Navigation**
 - The shortest distance map from vehicle's current location to the destination should be displayed on the screen
 - Options should be available for selecting the destination both from the server side and the ambulance side logs should be available in reportable format to know who has selected the destination
 - Option to enter Points of interest (POI), waypoints and landmarks should be available. The data transmitted should have the GPS coordinates
 - Entry of text in landmarks, POI and selection for of options on the screen for destination can be though the AVLT keypad
 - The navigation unit should acquire its current position(GPS coordinates) from the AVLT unit
 - Navigation unit should display the current location (acquired from AVLT)

Hardware Specifications

- All the devices have to be motion tolerant and in IP 54 standard.
- The device should weigh less than 2.2kg.
- Please note that AVLT should be detachable from the vehicle with only single cable disconnection.
- The device must have a fuse and voltage regulation inbuilt to withstand power fluctuations.

AVLT

- PFA the Annexure for detailed specification
Note: The keypad for AVLT has to be stand-alone keypad as defined in the specs

Computing device

- LCD Screen
 - 3 inch LCD with character display 40 characters X 6 lines
 - LED Backlit

- Last entered option(custom AVLT keys) should be displayed
- Alpha-numeric Keypad
 - The alpha-numeric keypad will be used for data entry of the forms pre-loaded.
 - GVK EMRI will provide the various data entry templates. The vendor is expected to pre-program the data capturing screens and enable capture of data through the keypad. The data template and the data entered in the form should be displayed on the LCD.
 - The key pad should be standard QWERTY
 - Numeric keypad should be separate this should be compatible for making phone calls as well
 - The entered data should be sent to the respective fields of the database table predefined
 - Dedicated hot button to start the data entry
 - Two keys for the up& down to select the forms among the pre loaded forms
 - Enter key to go to next field and select the appropriate form
 - Submit and save key to save the form(completed or partially filled) and submit
 - "YES" and "No" keys
- Audio
 - Audio chip to save and play pre- recorded files
 - Speaker to play the message and listen to the call
 - 3.5mm audio jack to connect the headset
 - Microphone built in and external 3.5mm female jack to connect

Biometric

- Motion tolerant Finger print reader
- Local processing (on board) to authenticate on the 3 inch display with the employee ID and an pre recorded audio prompt.
- Local memory of at least 300 finger prints
- Scratch resistant glass
- Remote updating of the finger prints from server (i.e. finger print of the employee joined in HO should be transmitted and saved locally on biometric unit of assigned ambulance).
- Required Software and Biometric device must be provided to each state Head office cost for the device to be quoted separately.

Navigation

- Screen
 - Screen should be of 5 inches(diagonal) or larger with LED backlight, 170 degrees viewing angle
 - The navigation unit should acquire and update its current position on Map from the AVLT unit at the same frequency of transmission to server

Note: Vendor may use the Navigation screen itself for the Computing device at his discretion to avoid multiple screens

- **Maps**

- The maps should be loaded on to the device and be able to update remotely and manually
- The maps will be supplied by GVKEMRI

AVLT Feature	Brief description of the feature	Remarks	Ability to provide the feature (Yes/No)
Old features			
1 Start of Trip	To know the time of start of trip	Mandatory	
2 Reaching Scene	Time at which ambulance has reached the emergency scene	Mandatory	
3 Start from scene	Time at which ambulance has started to move after picking up patient	Mandatory	
4 Reached Hospital	Time at which the ambulance has reached hospital	Mandatory	
5 Start from Hospital	Time at which the ambulance has started from a hospital after admitting patient	Mandatory	
6 Back to base	Time at which the ambulance has reached the base	Mandatory	
7 Refuel	To know the time and day the vehicle went for refuelling	Mandatory	
8 Demo	To know the time and day the vehicle went for Demo	Mandatory	
9 Accident	To know the time and day the vehicle met with accident	Mandatory	
10 Maintenance	To know the time and day the vehicle went for any planned/scheduled maintenance activity	Mandatory	
11 Break Down	To know the time and day the vehicle breakdown	Mandatory	
12 End button	To know the end time of any trip	Mandatory	
Additional features			
13 Fuel sensor	To know the quantity of available fuel in litres in fuel tank	Mandatory	
14 Idle time	To know how much time the vehicle was idle meaning ignition off	Mandatory	
15 Speed alert	Once a vehicle crosses a prescribed speed limit, an alert has to be generated to prompting the pilot to slow down	Mandatory	
16 Schedule service alert	An alert has to be generated after the vehicle a specified number of kilometers	Mandatory	
17 Display the shortest route	To display the shortest path to the destination using GPS	Mandatory	
18 KMPL	To know the mileage of the vehicle	Mandatory	
19 Minor repairs intimation	To get the intimation of time and location of the minor repair(puncture etc)	Mandatory	
20 Log book	To enter the logbook details(odometer readings, fuel refilled.. etc)	Mandatory	

21	Single SIM card for communication	To use the AVLT SIM card for data connectivity via Laptop	Mandatory	
22	Disconnection alerts	Battery disconnection, Tampering with any part of device or its accessories	Mandatory	
23	Field visit	To get geo-tagged biometric attendance of the person who visited the ambulance	Mandatory	
24	PCR input	To enter the PCR details	Mandatory	
25	Biometric attendance (with Geotagging)	To get the biometric(fingerprint) attendance along with the location details	Mandatory	
26	Medical Equipment - Maintenance	To know the status/existence of the equipment in ambulance	Mandatory	
27	Medical Consumables - Stock Reports	To enter the closing stock	Mandatory	
28	Expiry Items - details	To enter the details of about to expire medical items (3 months shelf life)	Mandatory	
29	Odometer (get Vehicle odometer)	To get the odometer reading (GPS Odometer)	Mandatory	
1	Geo fencing (may be required to link with electronic governor)	Geographically marking the border co-ordinates of a location on map to limit/monitor vehicle movement	Optional	
2	License of pilot (linked to ignition and validity)	To know if the Pilot is holding a valid license	Optional	
3	Oxygen level sensor	To know the level in the oxygen cylinder	Optional	
4	Engine oil level sensor	To know if engine oil is available	Optional	
5	Engine temperature sensor	To know the Engine temperature	Optional	
6	Authorized start (Only the authorized pilot should be able to start the ambulance)	To ensure vehicle is started only by authorized personnel	Optional	
7	Breath analyzer :Identify the drunken (alcohol consumed) driver	To know if the person has consumed alcohol	Optional	
8	RFID	To know if the equipment is available/ existent in ambulance	Optional	

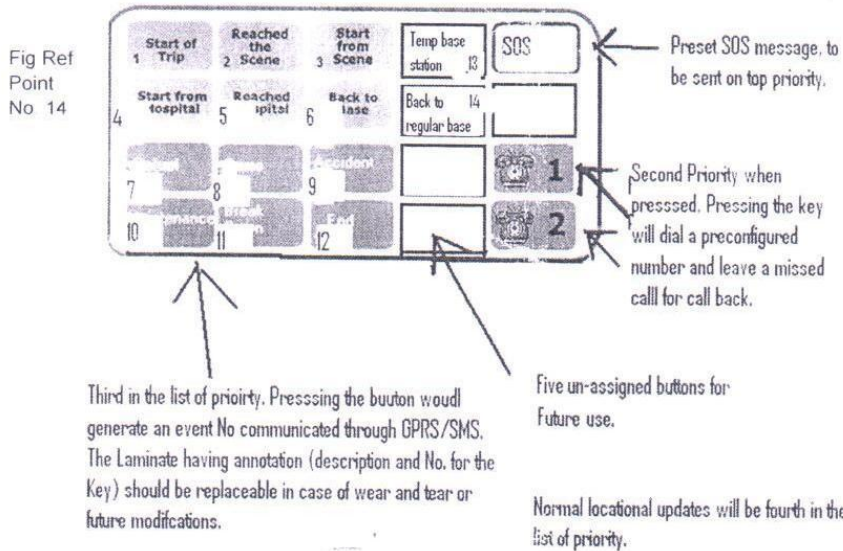
Technical Specifications for AVLT		
Sr.No.	Category	Requirements to be met for Pilot
1.a	AVLT Hardware features	AVLT should have Quad band GSM/GPRS Modem equivalent or better, with internal Flash Memory.
		Built in Antennas for the GPS and GSM/GPRS connections are required.
		AVLT unit must support any GSM card in India (different geographies may require SIM cards from different service providers) and should support all GSM networks anywhere in India
b		The GPS receiver must have fast minimum 12 channels and the following re-acquisition functionality in terms :Cold start < 45 Sec, Warm start <=38 sec, Hot start <=12 sec, Signal re-acquisition = 100ms.
		The device should have alerts on the following - low battery and power supply, disconnection of power supply, tampering with any input.
c		AVLT equipment should not undergo 'sleep mode' or 'dead mode' in any situation and should have auto refresh/awake functionality due to movement or any other vibrations. (4. During PoC the units will be tested without any auto sleep mode. Later if required, GVKEMRI may ask the vendor to configure the devices with auto sleep mode (when the vehicle stationary for more than certain period, etc.)
d		AVLT should have the following features : Tamper proof/ dustproof /water ingress resistant (Spill Proof) .The device should perform reliably in mobile environment of ambulance. It must be certified to be operable and stored for -40C to +60C.
		Power input should support 8v to 28v
		Accessories as required by GVK-EMRI along with required software should be provided by vendor as and when required.
e		Vendor has to install the Server side equipment at GVK-EMRI with required software ensuring the data is being captured from the vehicle device
f	Internal backup battery should be Li-ion providing 6 hours of backup.	
g	AVLT should have ability to communicate via RS232 / USB to a tablet / computing device (specification separate) the support data entry.	
2	Sensitivity of AVLT devices	AVLT Should have high tracking sensitivity (least count around 10 Meters for Lat and Long and 10 Deg for Orientation) with built in GPS Antenna.
3.a	Acquisition of data	In case of no coverage problem the AVLT should be able to log upto 12000 logs (3 days of data) on the inbuilt memory and these shall be transmitted when back into network coverage area. The store and forward mechanism in no case should result in loss of data packets.
		When GPRS is not available and SMS is available the data needs to be stored at the same frequency as GPRS however transmission through SMS should be every one minute
		Immediate shifting to SMS mode when GPRS is not available and sending SMS for every 1 minute is required
3.b		The data packet received at the server end should have the following fields.Unit ID, Latitude, Longitude, Speed, Time Stamp, Distance travelled and Orientation (azimuth) , all analog and digital inputs, of the vehicle. Gps fix.
	Keypad event is a priority message and should be transmitted immediately.	

		Forms that are filled in the tablet / computing device and biometric identification data need to be transmitted as a special packet compatible to the database available at EMRI
		All information coming from the AVL device (location information and special event information through event keys) shall be available with unit ID mapped to any of the vehicle parameters such as vehicle No, SIM NO, Unique ID predefined by GVK-EMRI.
5	Capture of location data	All Way-out points and special event points out of AVL (Latitude, Longitude) should be of Decimal Degrees-WGS84 format and should contain minimum of 6 decimal places and should not contain any Null Lat or Null longs.
6	Capture of location data	When an Ambulance traverses the same point more than once, at different times, the coordinates that are sent by the AVL should not vary in their projection on any reference map data more than 10 Meters. This also applies to forward and backward passes (either X, or Y coordinates as appropriate) while passing or halting at the same landmark.
7.a	Data transmission	AVLT data should coming to server should have 2 options, one is to GVK-EMRI premises directly from the devices without an intermediate server, second is through service providers servers. Details of alternative options with their costing also needs to be suggested. The vendor is suggested to give two options while costing. i.e. 1) Data to be sent to GVK-EMRI server directly from the devices and 2) From the service provider server to GVK-EMRI server.
9.a	Configuration parameters	AVLT Vendor should have a Provision of a mapping table (master table) through a software to map AVL Ambulances with their Locations IDs at the GVK-EMRI Server side.
		Each AVL device should be able to store primary and backup IP settings, the IP settings should be configurable from the server side. All alert parameters within the device and transmission intervals should be configurable from server side. Firmware upgrades should be possible from server side.
b		Server side application supplied by the vendor has to provide the functionality necessary for adding and deleting of units to the system, switching-off units within the system, update time interval for messaging, start-stop the updates and other AVL system maintenance functions.
c		The AVL device should be capable of transmitting data with minimum time gap of 10-12 seconds (this will be tested in Pilot) and should be configurable from the server side for higher time intervals. The captured data should come into the server in the designated M-SQL table.
10.a		AVLT device should have key pad as illustrated in the picture. Pressing these buttons shall trigger transmission of strings depicting special events. These message strings related to special events should be distinguishable from normal waypoint messages. Special event key shall trigger the same string as a typical way point message with a prefix of the key number. Customized keyboard should have 16 + 2 + 2 keys, Back light with LED indicator and buzzer on Key pressing.

	Hardware and Device functionality	<p>Any time these buttons are pressed an unique identifier for the button pressed needs to be generated along with the location coordinates and date and time stamp and passed on to the AVLT server. This is first priority transmission.</p> <p>The key pad should have proper plastic or Rubber contact key (similar to the ones used on mobile phones). the key pad should also have a LED button with a buzzer so that the key pressed will trigger the light/ buzzer which can be seen even in the night</p>
b		The AVLT device should capture the movement in & out from GPRS covered zone to non-GPRS coverage and it's return to GPRS coverage area with the location coordinates and Date and time stamp.
11.a	Installing Hardware and software components	AVLT components must be capable of being installed and operational as specified on any of the GVK-EMRI ambulances. Arranging specific mounting accessories etc. at the places inside the vehicle and at server end with their configurations as specified by GVK-EMRI is the responsibility of the vendor.
11.b		During initial installation, Configuration and Integration of the solution, vendor's experts have to physically available at respective GVKEMRI's campus...
12	Interfaces from AVLT to other equipments	The AVLT should have Ability to interface 8 sensor ports (analog /digital/serial)
13	Licensing	Vendor needs to accomodate Perpetual license for Server side software and device usage. Updates and upgrades should be free in the maintenance period and further yearly maintenance schedule and cost should be provided, the vendor needs to include the Customization of Server side Software in his scope (supplied by Vendor) as per the requirements of GVK EMRI .
14	Product Architecture	Vendor has to provide the Architecture of the product /Solution and all technical documents /help files
15.a	Server side application	Server side application should support SQL Server 2000/2005 and in the table structure provided by GVK-EMRI and must work ideally with any OS.
15.b		Vendor should install his web services or remote services at AVLT server in EMRI, to pull the data into SQL Server from the respective devices.The application has to provide an interface to monitor any AVLT unit statistics such as avg throughput, GSM.GPRS channel transmission and reception statistics and host activity statistics for monitoring the health and performance of the devices.
16	Updates and technical support	Vendor has to provide necessary technical support firmware updates etc., throughout the warranty/AMC period according to the application up gradation.
17	Support	Vendor should make available a technical representative at GVK-EMRI state office for the Pilot evaluation and later during the implementation phase as per the terms of the P.O.
18.a	Documentation	Flow of data from AVLT to EMRI-AVLT server, should be provided in the form of document. Vendor should indicate and be able to provide support even after the contract is over/agreed for termination so that the equipments an server side software supplied to EMRI could be utilized by EMRI.
b		Detail description should be provided with respect to the Key alerts from Keypad and data tables and columns created in SQL table.

19	Training	Training the EMT, Pilot & supervisory staff on installation, use & Troubleshooting of AVLTs (including related user / admin manuals)
	Certifications	one or more of 'JL, CE, FCC certifications are required
	SLA	The service provider has to hold spares and additional units at respective service centers and any faulty or damaged equipment should be replaced and the problem later analyzed.
	SLA	The Service Provider has to provide a replacement turnaround time of 24 - 48 hours depending on state.
	Desirable	RFID and CANBUS
20	Warranty	01 year warranty for manufacturing defects

All SLA's with penalty clauses and escalation matrix etc



ANNEXURE-III

PRICE SCHEDULE**PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN LOCATED WITHIN INDIA**

1	2	3	4	5					6
Sr. No.	Brief Description of Goods	Country of Origin	Quantity (Nos.)	Price per unit (Rs.)					Total Price (at Consignee Site) basis (Rs.)
				Ex-factory/ Ex-warehouse/ Ex-showroom/ Off-the shelf (Including discounts, Packing/Forwarding, etc.)	Excise Duty (if any) [%age & value]	Sales Tax/ VAT(if any) [%age & value]	Any other charges (please specify)	Unit Price (at Consignee Site) basis	
				(a)	(b)	(c)	(d)	(e) = a+b+c+d	4 x 5(e)

Total Tender price in Rupees: _____

In words: _____

Note: -

If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail.

Name _____

Business Address _____

Place: _____

Signature of Tenderer _____

Date: _____

Seal of the Tenderer _____

BANK GUARANTEE FORM FOR EMD

Whereas _____ (hereinafter called the “Tenderer”) has submitted its quotation dated _____ for the supply of _____ (hereinafter called the “tender”) against the purchaser’s tender enquiry No. _____ Know all persons by these presents that we _____ of _____ (Hereinafter called the “Bank”) having our registered office at _____ are bound unto _____ (hereinafter called the “Purchaser) in the sum of _____ for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this _____ day of _____ 20____. The conditions of this obligation are:

- 1) If the Tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- 2) If the Tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
 - a) fails or refuses to furnish the performance security for the due performance of the contract or
 - b) fails or refuses to accept/execute the contract or
 - c) if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition(s).

This guarantee will remain in force for a period of forty-five days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

.....
(Signature with date of the authorised officer of the Bank)

.....
Name and designation of the officer

.....
Seal, name & address of the Bank and address of the Branch

CONSIGNEE RECEIPT CERTIFICATE
(To be given by consignee's authorized representative)

The following store (s) has/have been received in good condition:

- 1) NOA No. & date : _____
- 2) Supplier's Name : _____
- 3) Consignee's Name & Address
with telephone No. & Fax No. : _____
- 4) Name of the item supplied : _____
- 5) Quantity Supplied : _____
- 6) Date of Receipt by the Consignee : _____
- 7) Name and designation of Authorized
Representative of Consignee : _____
- 8) Signature of Authorized Representative
of Consignee with date : _____
- 9) Seal of the Consignee : _____

Proforma of Final Acceptance Certificate by the Consignee

NO _____

Date _____

To

M/s _____

Subject: Certificate of commissioning of equipment/plant.

This is to certify that the equipment(s)/plant(s) as detailed below has/have been received in good conditions along with all the standard and special accessories and a set of spares (subject to remarks in Para no.02) in accordance with the contract/technical specifications. The same has been installed and commissioned.

- (a) Contract No _____ Dated _____
- (b) Description Of The Equipment(S)/Plants: _____
- (c) Equipment(S)/ Plant(S) Nos.: _____
- (d) Quantity: _____
- (e) Bill of Loading/Air Way Bill/Railway Receipt/ Goods Consignment Note no _____ dated _____
- (f) Name of the vessel/Transporters: _____
- (g) Name of the Consignee: _____
- (h) Date of commissioning and proving test: _____

Details of accessories/spares not yet supplied and recoveries to be made on that account.

Sl. No.	Description of Item	Quantity	Amount to be recovered

The proving test has been done to our entire satisfaction and operators have been trained to operate the equipment(s)/plant(s).

The supplier has fulfilled its contractual obligations satisfactorily ## or

The supplier has failed to fulfill its contractual obligations with regard to the following:

- a) He has not adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specifications'.
- b) He has not supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the period specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).
- c) The supplier as specified in the contract has not done training of personnel.

The extent of delay for each of the activities to be performed by the supplier in terms of the contract is

The amount of recovery on account of non-supply of accessories and spares is given under Para no.02.

The amount of recovery on account of failure of the supplier to meet his contractual obligations is _____ (here indicate the amount).

(Signature)

(Name)

(Designation with stamp)

Explanatory notes for filling up the certificate:

- i) He has adhered to the time schedule specified in the contract in dispatching the documents/drawings pursuant to 'Technical Specification'.
- ii) He has supervised the commissioning of the equipment(s)/plant(s) in time, i.e. within the time specified in the contract from date of intimation by the Purchaser/Consignee in respect of the installation of the equipment(s)/plant(s).
- iii) Training of personnel has been done by the supplier as specified in the contract.
- iv) In the event of documents/drawings having not been supplied or installation and commissioning of the equipment(s)/plant(s) having been delayed on account of the supplier, the extent of delay should always be mentioned in clear terms.

MANUFACTURER'S AUTHORISATION FORM

To,
Head (P & CD)
HLL Lifecare Limited
Procurement and Consultancy Division
B-14 A, Sector -62, Noida -201307, Uttar Pradesh

Dear Sir,

Ref. Your TE document No _____, dated _____

We, _____ who are proven and reputable manufacturers of _____ (*name and description of the goods offered in the tender*) having factories at _____, hereby authorise Messrs _____ (*name and address of the agent*) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than Messrs. _____ (*name and address of the above agent*) is authorised to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also hereby extend our full warranty as per clause 6 of the General Conditions of Contract, read with modification, if any, for the goods and services offered for supply by the above firm against this TE document.

Yours faithfully,

[Signature with date, name and designation]
for and on behalf of Messrs _____

[Name & address of the manufacturers]

Note: 1. This letter of authorisation should be on the letterhead of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.
2. Original letter may be sent.

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY

**Mission Director-cum-Member Secretary,
National Health Mission (NHM)
Kasumpti, Shimla-171009, Himachal Pradesh**

WHEREAS _____ (Name and address of the supplier) (Hereinafter called “the supplier”) has undertaken, in pursuance of contract no _____ dated _____ to supply (*description of goods and services*) (herein after called “the contract”).

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of. _____ (*Amount of the guarantee in words and figures*), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid upto two months beyond the period of warranty. Initially valid for 41 months from the date of Notification of Award, i.e. upto ----- (*indicate date*)

.....
(*Signature with date of the authorised officer of the Bank*)

.....
Name and designation of the officer

.....
Seal, name & address of the Bank and address of the Branch

Annexure- IX

AFFIDAVIT REGARDING NON BLACK LISTING OF THE FIRM

I/We, (Name) _____ contractor/partner/sole proprietor (*strike out the word which is not applicable*) of (Firm) _____ do hereby declare and solemnly affirm to that the individual firm/companies are not black-listed by the Union or state Government or any partner or shareholder thereof are not directly or indirectly connected with or has any subsisting interest in business of my/our firm

Address _____
DEPONMENT _____

I/We do hereby solemnly declare and affirm that the above declaration is true and correct to the best of my knowledge and beliefs. No part of it is false and nothing has been concealed.

Dated:

DEPONMENT

(Note: - To be furnished on the non judicial stamp paper duly attested by the Oath Commissioner/Executive Magistrate)

CHECKLIST**Name of Tenderer:****Name of Manufacturer:**

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
1. a.	Have you enclosed EMD of required amount for the quoted schedules?			
b.	In case EMD is furnished in the form of Bank Guarantee, has it been furnished as per Annexure IV?			
c.	In case Bank Guarantee is furnished, have you kept its validity for a minimum of 105 days from Tender Opening			
2	Whether all the Pages are signed & properly tagged with all documents and enveloped properly sealed?			
3.	Are you a SSI unit, if yes have you enclosed certificate of registration issued by DGS&D or NSIC			
4. a.	Have you enclosed clause-by-clause technical compliance statement for the quoted goods vis-à-vis the Technical specifications?			
b.	In case of Technical deviations in the compliance statement, have you identified and marked the deviations?			
5.	Have you submitted copy of the order(s) and end user certificate as desired in point no. 10 of ITB			
6.	Have you submitted manufacturer's authorization as per Annexure-VII			
7.	Have you kept validity of 60 days from the Tender Opening date as per the TE document?			
8.	Have you furnished Income Tax Account No. as allotted by the Income Tax Department of Government of India?			
9.	Have you intimated the name and full address of your Banker (s) along with your Account Number			
10.	Have you fully accepted payment terms as per TE document?			
11.	Have you fully accepted delivery period as per TE document?			

Sl No.	Activity	Yes/ No/ NA	Page No. in the TE document	Remarks
12.	Have you submitted the certificate of incorporation?			
13.	Have you accepted the warranty as per TE document?			
14.	Have you accepted all terms and conditions of TE document?			
15.	Have you furnished Annual Report (Balance Sheet and Profit & Loss Account) for last three years prior to the date of Tender opening?			
16.	Have you submitted affidavit regarding non black listing of the firm as per Annexure-IX			

N.B.

1. All pages of the Tender should be page numbered and indexed.
2. The Tenderer may go through the checklist and ensure that all the documents/confirmations listed above are enclosed in the tender and no column is left blank. If any column is not applicable, it may be filled up as NA.
3. It is the responsibility of tendered to go through the TE document to ensure furnishing all required documents in addition to above, if any.

(Signature with date)

(Full name, designation & address of the person duly authorised sign on behalf of the Tenderer)

For and on behalf of

(Name, address and stamp of the tendering firm)