

**INVITATION OF TENDER FOR FABRICATION ON 7 NOS. OF FORCE TRAVELER BASE VEHICLES OF 3350 WHEEL BASE TO CONVERT THEM INTO MOBILE HEALTH UNITS (MHU)**

---

**GVK Emergency Management and Research Institute**

Gujarat-108 Emergency Management Centre, Naroda -Kathwada Road,  
Naroda, Ahmedabad-382 330

Phone: 079-22814896, Email: [ashish\\_muley@emri.in](mailto:ashish_muley@emri.in)

**General brief about GVK EMRI:**

GVK Emergency Management and Research Institute (GVK EMRI) was established as a not-for-profit Organization. GVK EMRI is a Society, registered under the provisions of Andhra Pradesh Societies Registration Act, 2001, in February 2005 and provide services free of cost through a toll free number '108' to every citizen of our country under Public Private Partnership (PPP) frame work. Vision of GVK EMRI is to support and build capabilities to save one million lives per annum nationally and establish GVK EMRI as a premier Research and Training Institute.

GVK EMRI, under the Public-Private-Partnership, has made substantial progress over the last 10 years in providing Emergency Response Services across the country and presently operate over 10000 state-of-the-art ambulances in 15 States and 2 Union Territories viz Andhra Pradesh, Telangana, Tamil Nadu, Karnataka, Goa, Gujarat, Dadra Nahar Haveli Daman & Diu, Chhattisgarh, Assam, Meghalaya, Uttarkhand, Himachal Pradesh, Uttar Pradesh, Rajasthan and Arunachal Pradesh to provide pre-hospital care covering a population of 750 million. Everyday GVK EMRI is serving on an average 24,000 emergencies (41 million emergencies attended since inception) and saving over 750 lives every day and cumulatively have saved more than 15 lakh lives since the launch of the services and provide direct employment to over 42,000 associates while continuing to be a not-for-profit organization.

GVK EMRI's innovative approach has revolutionized the concept of Emergency Services in India. The organization to its credit has pioneered the first of its kind inventions in India such as providing a Single Toll-Free number (108) for initiating the emergency response and a comprehensive coverage of emergencies involving Medical, Police and Fire departments, In-ambulance Pre-hospital care to mitigate the effects of medical emergency of the victim under the guidance of a specially trained Emergency Physician, Research and Training etc. Today "108" is synonymous with the best-in-class emergency service and has been acknowledged as the most efficient, speedy, reliable and professional service provider in the category.

With increased focus on research and analytics and collaborations with internationally renowned institutions like Stanford School of Medicine, GVK EMRI has plans to significantly enhance the overall emergency management scenario - further reducing individual suffering.

Objectives of Contract:

All the Ambulances operated by GVK EMRI in different States of India, a base vehicle will be procured by GVK EMRI or Govt of particular state will provide the base vehicle .Hence these vehicles need to be fabricated as per our operational requirement basing on the specifications.

Bids are invited from reputed Fabricators ,The specifications for fabrications along with detailed descriptions were given in the Annexure.

Important dates and deadlines for tender are given below.

TENDER REFERENCE	:	<u>GUJ/ET/MHUFAB/7/1617(RT)</u>
ONLINE SALE OF TENDER DOCUMENT	:	30.12.2016 , onwards
LAST DATE FOR ONLINE SUBMISSION OF TENDER DOCUMENT	:	05.01.2017 at 18:00 Hrs
LAST DATE & TIME FOR PHYSICALY RECEIPT OF EMD AND SUPPORTING DOCUMENT AT OUR OFFICE	:	06.01.2017 at 14:00 Hrs
TIME AND DATE FOR OPENING OF TENDER <u>TECHNICAL BID</u>	:	06.01.2017 at 16:00 Hrs
TIME AND DATE FOR OPENING OF TENDER <u>COMMERCIAL BID</u>	:	After Technical Evaluation
COST OF THE TENDER DOCUMENT	:	Rs. 5000/- (Five Thousand Only)

Online e-tenders are invited by **GVK Emergency Management and Research Institute**, a Nodal agency for Govt. of Gujarat (Dept. of Health & Family Welfare) for providing emergency response services in the state of Gujarat from reputed vehicle Manufacturers / Body builders / Mould Manufacturers for Fabrication of **7 Nos (Force Traveller on 3350 wheel base)**. Ambulance Base Vehicles. The technical specification of Vehicle Fabrication, Supplies, Tender conditions and other details are given in this tender document.

The online tender documents can be downloaded from website <https://www.nprocure.com> for online price bids.

Bidders who wish to participate in this tender will have to register on <https://emri.nprocure.com>. Further Bidders who wish to participate in online tender will have to procure Digital Certificate as per Information Technology Act 2000 using which they can digitally sign their electronic bids. Bidders can procure the same from (n) code solutions, a division of GNFC Ltd., who are licensed certifying authority by Govt. of India and they will assist them in procuring the same at below mentioned address. Bidders who already have a valid Digital Certificate need not procure a new Digital Certificate.

Manager (Marketing),  
(n) Code Solution-A division of GNFC Ltd.  
301, GNFC Infotower, S.G.Road, Bodakdev,  
Ahmedabad-380054 (GUJARAT)  
Phone: 079-26854511, 26854512, 26854513  
Fax: 079-26857321

**Only Online bids will be considered and no tender bids in other (Physical) form will be entertained.**

Tender Guidelines

1. Definitions

- PO - Purchase Order
- GVK EMRI - GVK Emergency Management and Research Institute
- EMD - Earnest Money Deposit
- DD - Demand Draft
- BG - Bank Guarantee
- BC - Banker's Cheque
- Purchaser - GVK EMRI, Gujarat.
- Tenderer - Bidders who have submitted Valid Tender Document
- Supplier - Successful Bidder (s), to whom, the tender quantity is distributed
- SBU - Strategic Business Unit
- Sample - One Piece Manufactured by Bidder
- PMMA - Poly Methyl Methacrylate
- OEM - Original Equipment Manufacturer
- Bidder - OEM or Authorized Trading partner such as dealers / distributors

2. Tender Fee, EMD and Supporting Documents can be physically submitted, duly signed by proper authority on each page of the Tender documents and the Annexure there in, to GVK EMRI Ahmedabad Office at Naroda Kathwada Road, Ahmedabad as per above schedule.

*3. Other General instructions to be followed by bidders.*

**ARTICLE - 1: COST OF BIDDING**

The bidder shall bear all costs associated with the preparation and submission of the bid and GVK EMRI will, in no case, be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

**ARTICLE - 2: LANGUAGE OF BID**

English language only.

**ARTICLE - 3: PHYSICAL SUBMISSION OF DOCUMENTS COMPRISING THE BIDS**

Sealed prequalification cover containing Earnest Money in a separate cover along with IT returns and financial statements for last three years, Excise Duty/Sales Tax/VAT registration certificate, Copy of PAN/TIN, relevant manufacturing licenses and satisfactory certificates for the similar business work from existing reputed customers to be submitted at our office.

**ARTICLE - 4: BID PRICE (ONLY ONLINE)**

- a. **Firm Price**
- b. Unit prices shall be considered correct in the event of any discrepancy with regard to total price, if any.
- c. **Price Basis:** The Prices shall be based as defined elsewhere in the tender document inclusive of all taxes & duties.

**ARTICLE - 5: PERIOD OF VALIDITY OF BIDS**

- a. Bids shall be kept valid for six months from the opening of commercial bid. A bid valid for a shorter period may be rejected by GVK EMRI as non-responsive. The period can be extended mutually.
- b. In exceptional circumstances, GVK EMRI may solicit the bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing or by cable or Telex/Fax. A bidder granting the request will not be required nor permitted to modify substance of his bid or change the price.
- c. The Earnest Money deposited by successful bidder shall be forfeited if the bidder does not accept the order with agreed terms and conditions or does not execute the order after acceptance thereof within the completion schedule mentioned in the tender. Earnest Money deposited by the successful bidder shall be returned on submission of Contract Performance Guarantee.
- d. The Earnest Money of the unsuccessful bidders will be refunded after the finalization of tender.

**Tender will be evaluated in three stages:**

a. Preliminary evaluation:

I. Please refer Preliminary evaluation process as per Annexure-VIII

II. All vendors are requested to strictly submit the documents in sequence as per preliminary evaluation criteria.

b. Technical evaluation :

All vendors who meet the preliminary criterion and submit technical bids conforming to the technical evaluation criterion will be shortlisted for commercial evaluation.

The vendor should provide the satisfactory certificate and technical evaluation certificate or any other proof stating his work quality provided by earlier customers he worked with for the same kind of vehicle & specification.

Tender committee may scrutiny the details provided by the vendor and will decide the eligibility of the vendor to next stage.

Compliance certificate should be provided by the vendor for all the technical spectations line item wise as per Annexure-II

GVKEMRI shall consider the information furnished by vendor on technical requirements as sufficient and qualify the vendor for price bid opening. If, at any stage of pre-supply and post supply period, if it is found that any information furnished by the vendor is either false or hidden or fabricated, such vendor may be blacklisted by GVKEMRI and prohibited from participating in any of future tenders for a period of 10 years. GVKEMRI may at its sole discretion will use services of a third party to verify the authenticity of the data furnished by vendors

d. commercial evaluation

Commercial Bids of the vendors, who qualify in the Technical Bid Evaluation, will be opened online. L-2 and other qualified vendors will be contacted only if L-1 vendors fail in delivery schedules/any other tender terms and conditions.

**4. General Terms and Conditions for Fabrication of MHU.**

1. MHU Fabrication: Annexure -II
2. Workmanship Criteria for acceptance: Annexure -III
3. Medical Equipments to be supplied and installed: Annexure-V
4. Drawing - Diagrams - Annexure IV

## 5. Eligibility Criteria :

### Mandatory:

- i. India based reputed Vehicle Manufacturers and body builders for Ambulances, Mobile Medical Units, Mobile Health Units, Fire Fighters Fabricators are eligible to participate in the tender.
- ii. Only vendors who have turnover of at least Rs. 20 Lacs per year, during the last three financial years are eligible to participate in the tender. Exclusively from making of fabrication in Ambulances are eligible to participate in the tender. However tender committee to decide on any representation.
- iii. Only vendors who have prior experience in fabricating Ambulances, Mobile Health Units and Fire Fighters with FRP interiors are eligible to participate in the tender.
- iv. Only one bid will be accepted from a Group of companies and entities .
- v. Participating vendor should not have any legal (civil or criminal) cases pending Against them in any of courts in India. GVKEMRI may ask the successful bidder to provide proof from competent authorities before release of PO. For tender evaluation a declaration on bidder's letters head is sufficient

### Desirable:

- i. Vendors having prior experience in supply of medical equipments with fabrication will be given preference.
  - ii. Vehicle manufacturers capable of supplying fully built ambulance as per specifications will be preferred.
  - iii. Vendors having their in-house tool room and plastic processing facility will be given a preference.
  - iv. GVK EMRI reserves the right to approve the design/layout and to carry out changes in fabrication during the fabrication of whole supply of tender quantity.
6. The bidders will need to submit the satisfaction certificates, specifically referring to the following parameters, in case the bidder has fabricated ambulances for GVK EMRI in the past :-
- a) Adherence to delivery schedules as per the Purchase Order
  - b) Quality parameters-FRP paneling quality, finishing, electrical, A/C and painting
  - c) Service satisfaction certificates, if any complaints attended
  - d) Availability of the technicians in the respective State/Locations
  - e) Satisfaction certificate on the above subjects from not less than Head of Fleet department or COO of the state in respective state.(Particular format is not mandatory)

7. The bidder who has failed to deliver the vehicles on time earlier will not be given 100% order even if the said bidder emerges as technically qualified L1 bidder. GVK EMRI Tender Committee reserves the right to distribute order quantity among multiple vendors based on timely completion requirements to launch the ambulances in service and past experience with vendors in terms of QUALITY, DELIVERY and AFTER SALES SUPPORT.
- 8 GVK EMRI reserves the right to levy penalty of maximum of 25 % of PO value for deviations from the technical specifications of the tender and warranty services.
- 9 All successful bidders have to furnish a PBG for 10% of PO value failing which the EMD shall be forfeited. EMD

**1. Submission of tenders:**

- i) The Tender Fee, EMD and Supporting document should contain all the required registration / licenses, manufacturers experience, relevant satisfactory certificates, financial statements and IT returns for the past 3 years with all tender documents duly signed on each page by proper authority and should be submitted physically as mentioned in schedule above to GVK EMRI GUJARAT, Naroda Kathwada Office.
- ii) Online Tenders without physical submission of Tender Fees, EMD and Supporting Documents duly signed will not be considered and will be summarily rejected.
- iii) Tender should quote his price (Only Online) in the scheduled format supplied in the online tender form. Tenders received in any other form will not be entertained.
- iv) Bidders seeking any clarification may forward their queries through mail on e-mail id mentioned in contact details within 24 hours from date of tender floated.
- v) No Conditional offer will be considered and will be liable to be rejected.
- vi) The Tenderer will have to provide bifurcated cost of all equipments when demanded by GVK EMRI before placing the purchase order to decide in case of any change/betterment of MHU functionality.
- vii) All the items supplied will be covered for minimum 1 Year onsite warranty from the date of supply.

2. **Validity of the tender:** The tenders quoted shall remain valid for a period of One year from the date of opening of tenders and can be extended on mutual agreement.

**3. EMD Amount:**

- i) EMD in the form of a Demand Draft for an amount Rs. 1, 00,000/- (Rs. One Lac Only) in favor of "GVK Emergency Management and Research Institute" payable at Ahmedabad to be submitted physically in a sealed cover labeled as "EMD COVER".



- ii) The EMD will be withheld until the finalization of the tender and will be adjusted against performance guarantee for the successful bidders.
- iii) Successful Tenderer who fails to supply vehicles within the stipulated time shall not be eligible for refund of EMD.
- iv) For unsuccessful tenderer the EMD will be returned after completion of Tender process.

#### 4. Price:

- i) The final price quoted in the online bid should be inclusive of **FABRICATION COST along with All the Equipments** mentioned in tender document. The price offered in the online tender should be as per the FINANCIAL BID format consisting of all costs, duties and taxes applicable, including transit insurance for collection from GVK EMRI/OEM Ware House and to delivery at Ahmedabad or any other location as specified by GVK EMRI.
- ii) The Transportation cost for collection from Ahmedabad to works of vendor & return delivery of vehicles to be included in the cost of Fabricated Vehicle & to be mentioned separately in commercial bid
- iii) All costs and tax components should be shown separately in the Invoice. GVK EMRI may claim back the taxes and duties wherever permissible.
- iv) Items provided by OEM, but not required by GVK EMRI will be vendor's property.
- v) Bidders while bidding should consider the scrap/salvage value of the unwanted additional accessories/ fitments of OEM's vehicle to be removed if any.
- vi) GVKEMRI may at its sole discretion may negotiate with the L-1 vendor to further reduce the prices; in case it is felt that L-1 prices are more than prevalent market prices or any other reason in the interest of respective state Governments.

#### 5. Technical evaluation

- i) Technical evaluation of the supplied vehicles tendered will be done by a Technical Committee constituted by GVK EMRI and Govt. of Gujarat.
- ii) Tenders submitted with technical specifications mentioned in this tender form will only be considered.
- iii) Committee during technical evaluation may visit the works and ask for samples for similar jobs carried out by the bidder to evaluate the technical capabilities.
- iv) Bidder shall be asked to demonstrate the vehicles during the technical evaluation phase within a short notice for technical assessment.

- v) The Medical equipments to be installed will be evaluated and approved by the committee (Brand, Quality, performance etc.) before the bulk supply.
- vi) A prototype Van with all equipments will have to be offered for approval to the technical committee as per the delivery schedule prior to bulk supply.

## 6. Warranty:

- A) The manufacturer should provide onsite warranty of minimum 1 year or as per OEM whichever is higher from the P.O completion date, against any defect in fabrication, electrical wiring and equipments used like; Siren, Amplifier, LED tub light, Inverter & supplied medical equipment etc, provided in the fabrication of the ambulance.
- B) The inverter supplied with fabrication (Preferable M/s Luminous eco volt 1050 VA sine wave as a process of standardization in all our ambulances).
- C) Fabrication will be covered under unconditional on-site warranty for a period of one year and Vender has to attend defects within a week from the date of intimation. If vender fails to attend the defects with in prescribed time limits then Rs 250 per day will be recovered till defect attended satisfactorily.

Note: Time lines for rectification under warranty: Point no 11(D) above is applicable for all the rectification and repair work .If the defect is not attended within week time, the same will be attended locally without any prior information to vender and the repair cost would be recovered from any outstanding bills or deposit, also GVK EMRI is not liable to return the defective material

In case vendor desire to call vehicle at his workshop during the tenure of onsite warranty for repair, then the vendor has to bear all the transportation cost , if transportation done by GVK EMRI, the charges towards the same @ Rs 7.00 per km (distance of location to workshop to and fro charges) and also the time restriction vide para 11(D) above will be applicable.

- D) For stickering work bidder will be responsible for 2 years in case if any quality defects & the quality of colors (specifications will be provided by GVK EMRI).

7. GVK EMRI neither recommends any third party vendor for fabrication, medical equipments and any other work related to this project and GVK EMRI is not responsible for any technical and/or commercial disputes between Third Party and Tenderer.

8. **Opening of online tenders:** Tenders submitted online will be opened as per schedule mentioned above for Technical bids and for Commercial bids after evaluation of technical bid.

9. **Delivery / Supply schedule:** The successful Tenderer has to supply all fabricated vehicles (including Prototype) within 30 days of Po issuance

10. **Re-Allocation / Cancellation of tender:** In case of failure or on the part of the successful tenderer to fabricate and deliver the vehicles with in the stipulated date mentioned in the purchase order, GVK EMRI may cancel the purchase order in full, or part, and re-allot the same to next lowest tenderer who otherwise fulfills all conditions **And any extra expenditure involved due to this change will be recovered from vendor's deposit /out standing/available dues/EMD/Security Deposit.**
11. **Order Quantity:** The actual order quantity may increase or decrease as mentioned in tender quantity; the delivery schedule will be amended keeping the same time lines in the Purchase Order for increased quantity. The tender Quantity may be divided among multiple vendors in case of need.
12. **Liquidated damages for late delivery:**
- 12.1 GVK EMRI will levy/deduct for delayed fabrication of ambulances, a penalty of Rs. 1,000/- per unit per day on successful tenderer, who is given the purchase order, and who fails to deliver the fabricated vehicles as per the delivery schedule. The maximum L.D. for delayed supply will be charged within a ceiling of 10% of PO value.
- A. Penalty for Rs 1000/- per Vehicle per day Upto 7 delay days
  - B. Penalty of Rs.2000/- per vehicle per day Between 8 To 15 delay days
  - C. Penalty of Rs.3000/- per vehicle per day Between 15 To 30 delay days
  - D. Beyond 30 days PO may be cancelled and PBG will be forfeited at the sole discretion of GVKEMRI.
- 12.2 Once the maximum price reduction is reached, termination of the contract may be considered. Non-performance of the contract provisions shall make the successful bidder liable to be disqualified to participate in any tender for the next 5 years, in addition to forfeiture of Security Deposit and other penal actions.
- 12.3 **Alternative Purchase**  
If the successful Bidder fails to execute the order within the stipulated time, the Tender Inviting Authority will beat liberty to make alternative arrangements for purchase of the Mannequins for which the purchase orders have been placed, from any other source or from the open market, at the risk and cost of the supplier. This would be in addition to any other penalties including forfeiture of security deposit.
- 12.4 **TRANSPORTATION**  
Transportation of goods and transit insurance upto the specified destination will be by road or as specified in the PO and shall be in supplier's scope.

13. The base vehicle if procured separately by GVK EMRI to be delivered at selected fabricators premises by the OEM of base vehicle. The fabricator will be responsible for pre receipt inspection with format supplied by GVK EMRI and or any discrepancies with the tools, accessories etc supplied with base vehicle. If the vendor observes any such discrepancy, he should reject acceptance with written intimation to GVK EMRI, Gujarat.
14. Any damage observed in base vehicle during fabrication work needs to be get repaired by vendor through authorized dealer of vehicle manufacturers at his own risk and cost otherwise this repair amount will be deducted from their bills/outstanding and actual date of delivery of vehicle will be considered after this satisfactory repairs only.
15. Stage inspection and Pre-delivery Inspection: Stage wise inspection will be carried out by GVK EMRI and after final inspection at works of the vendor vehicles will be delivered to GVK EMRI.
16. **Payment terms:** 25% of payment will be made along with Purchase Order against bank guarantee for 25% of order value (valid for 3 months), 70% within 30 days of delivery, inspection, acceptance of fabricated vehicle and submission of invoice. 5% payment will be released on receipt of Performance Security Deposit as per clause no. 17.

**17. Performance Security Deposit:**

The successful bidder, shall be required to submit **Performance Security Deposit of 10% of the order value** in the form of Performance Bank Guarantee in favor of "GVK Emergency Management Research Institute, Gujarat", payable at Ahmedabad valid for a period of 1 year from the date of completion of order. The Bank Guarantee shall be returned on completion of the Warranty period of the goods supplied.

However, if the supplier fails to execute the order or fails to perform the services as per contract, in addition to other penal actions, the Bank Guarantee shall be encashed & the amount forfeited.

18. **Liability of GVK EMRI:** As the payment against the supplies under this agreement will be made by GVK EMRI on behalf of and upon release of funds from respective State Government, It is expressly understood and agreed by, between the SUPPLIER and the GVK EMRI that the GVK EMRI is entering into this Agreement solely on behalf of respective State Government. In particular, it is expressly understood and agreed that though the respective State Governments / Government of India are not a party to this Agreement and have no liabilities, obligations or rights hereunder, any delay in the release of vendor payments, for the supplies made under this tender, solely depend on timely receipt of funds for the same from the respective state governments. The SUPPLIER expressly agrees, acknowledges and understands that the GVK EMRI is not responsible for any delays in the release of funds from respective state governments for what so ever reason it may be and shall not hold GVKEMRI responsible for delayed

payments and GVKEMRI shall not be liable for any acts, omissions, commissions, breaches or other wrongs arising out of the contract. Accordingly, the SUPPLIER hereby, expressly waives releases and foregoes any and all actions or claims, including cross claims, impleader claims or counter claims against the GVK EMRI arising out of this Agreement and not to sue GVKEMRI for any reason, as to any manner, claim, cause of action or thing whatsoever arising of or under this Agreement. However, GVK EMRI will persuade with respective State Government to enable the timely payment to respective Supplier

19. **Ethics:** Any attempt by a tenderer to obtain confidential information, enter into unlawful agreement with competitors or influence the committee or the Contracting Authority during the process of examining, clarifying, evaluating and comparing tenders shall make the tender submitted by that tenderer liable for rejection.
20. **Jurisdiction:** All disputes arising out of or in connection with this tender shall be referred to law courts with Ahmedabad Jurisdiction only.
21. **Power of Cancellation:** GVK EMRI reserves the right to cancel the tender notification and reject any or all the tenders, at any time during the process of receipt, evaluation, and finalization of tenders, without assigning any reason what-so-ever.
22. **Ownership of tenders:** All designs, drawing submitted remain property of GVK EMRI.
23. **Force Majeure:** If at any time during the validity of the Contract, the performance in whole or in part by either party of any obligation under this Contract shall be prevented or delayed by reasons of War, Hostility, Acts of Public Enemy, Civil Commotion(s), Sabotage, Fire(s), Flood(s), Explosion(s), Epidemic, Quarantine Restrictions, Acts of State or Acts of God, hereinafter referred to as eventualities, then the Contract period will get extended for the period of Force Majeure, provided Notice of the happenings of any such eventualities is given, supported by a certificate of appropriate authority or Chamber of Commerce by either party to the other within 15 days from the date of occurrence thereof. Neither party shall by reason of such eventualities be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non performance or delay in performance. Work under this contract shall resume as soon as practicable after such eventualities have come to an end or ceased to exist and the decision of the Company as to whether the work has to be resumed shall be final and conclusive. Should one or both parties be prevented from fulfilling their contractual obligations by state of Force Majeure lasting continuously for a period of at least three months, the parties shall consult each other regarding further continuation of the Contract.
24. **Fraud & Corruption:**  
The bidders, suppliers and contractors shall observe the highest standard of ethics during bidding and during performance of the contract. For the purposes of this provision, the following acts shall be considered as corrupt and / or fraudulent practices.

- “Corrupt Practice” means offering, giving, receiving, or soliciting directly or indirectly, of anything of value to influence the action of an official in the procurement process or in contract execution.
- “Fraudulent Practice” means misrepresentation or omission of facts in order to execution of contract.
- “Collusive practice” means a scheme or arrangement between two or more bidders, with or without the knowledge of the purchaser, designed to establish bid prices at artificial, non-competitive level.
- 1. “Coercive Practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process or in execution of a contract.

During the process of evaluation of a bid or proposal for award of a contract, if it is detected that a bidder directly or through agent has engaged in corrupt, fraudulent, collusive or coercive practice in competing for the contract in question, then a) the bid shall be rejected and b) declare the firm ineligible for a specific period or indefinitely to participate in a bidding process.

In the bid document itself, an undertaking from the bidders may be obtained in the format at ANNEXURE- IV.

## **25. Saving Clause**

No suit, prosecution or any legal proceedings shall lie against Tender Inviting Authority or any person for anything that is done in good faith or intended to be done in pursuance of tender.

**26. Arbitration Clause:** In case of any dispute, the decision of COO GVK EMRI Gujarat will be final and honored.

## **27. Termination:**

**27.1 Termination:** GVK EMRI reserving right to terminate this contract without cause by issuing 30 days prior notice to supplier.

**27.2** The supplier also terminate this contract by issuing 60 days prior notice to the purchaser, however, there shall be no termination by supplier within initial six months of this contract.

**ANNEXURE I**  
**TENDER FORM**  
**(For the fabrication of MHU)**

1. Name of the fabricator (Organization):
  
  
2. Name of the Chief Officer & Address:
  
  
3. Address of the registered office of the Fabricator:
  
  
4. Address of the Factory / Plant:
  
  
5. Number of employees:

Description	No. Available
No. available	
Sheet metal technicians	
FRP work/ ABS thermoforming technicians	
Mechanical fitters	
Welders	
Electricians	
Painters	
Carpenters	
Managerial staff	

6. Number of vehicles fabricated in 2015-16

(Please attach pictures of vehicles, list of customers and Purchase orders)

7. Turnover in last three Financial Years

(Please submit company profile on separate sheet)

8. EMD details with tender form Rs.1,00,000/- In words (Rs.One Lacs only) - DD.No / Bank Guarantee: \_\_\_\_\_; Name of the Bank and Issued branch: \_\_\_\_\_

9. Declaration by the tender: I have gone through all the tender conditions and I agree to abide by the same.

SIGNATURE OF THE  
TENDERER WITH DESIGNATION & OFFICE SEAL

Enclosures: All Annexure duly signed and stamped.



## **Annexure II**

### **CONVERSION OF BASE VEHICLE INTO Mobile Medical Unit**

#### **Part A: Scope of Fabrication work:**

##### **1) Storage equipments basic parameters**

- 1) Laminated ply wood cabinet for storage (Medicines, medical equipments, diagnostic equipment etc.). All wooden cabinets to be reinforced with aluminum/Mild Steel L shaped structure of 1 inches X 1 inches at inner side at a gap of 300 mm between reinforcements.
- 2) Material for side wall of each cabinets: Laminated, FR & Marine grade 19 mm thickness plywood of IS: 15061-2002 approved automobile grade Magnus/ Greenply / Century or equivalent make.
- 3) Material for partition & drawers for each cabinets: Laminated, FR & Marine grade 12 mm thickness plywood of IS: 15061-2002 approved automobile grade Magnus/ Greenply / Century or equivalent make.
- 4) All drawers should be of full depth and should have proper rails and locks of recommended brand to secure them against unintended opening during motion of the ambulance.
- 5) The hardware like locks, catchers, hinges, handles should be of "Ebco", HETTICH or equivalent. Sliders are to be of heavy duty for sustaining material load and operational usage.
- 6) Please refer drawings for Location and measurement of all cabinet.
- 7) All the Sizes of the drawers should be in accordance to basic storage requirement and as specified in dimension.
- 8) The horizontal sides of plywood cabinets to be covered with appropriate size PVC strips of matching colour.

##### **Storage 1: (Paramedics/compounders table cum storage)**

- a. For storage 1:- Dimensions (Illustrative): L-900 mm x W- 460 mm x H- 800 mm.
- b. The table consists of 1 cupboard and 2 drawers.
- c. The cupboard should have internal partition with provision of 1 nos. 3 pin socket for printer.

##### **Storage 2: (Store for medicines and medical instruments).**

- a) For Storage 2:- to be developed as wooden cabinet of L-430mm x W-460 mm x H-1480 mm. The total wooden cabinet at RHS to be divided into 05 drawers and one cupboard with door at top.

- b) The Cupboard drawers should have 1 partition with appropriate bracket and Velcro for fixation of Microscope and Vaccine Carrier to secure its damage during vehicles in motion.

**Storage 3: Patient examination bed cum storage**

- a. Dimensions: L-1730mm x W-550 mm x H-680 mm.
- b. The patient bed cushion should be minimum 100 mm thick of high density Foam cushion to be provided for comfort and the same should be upholstered with non absorbent PVC leather cloth of IS -1259 (class-A, grade I) of silver gray color.
- c. The patient bed should have 03 drawers along with patient bed.
- d. Below the drawers there should be a sliding door cabinet with two compartments. In upper compartment a provision of fitment of inverter and at lower side a battery box with door in RHS body panel of the ambulance should be provided.
- e. There should be a provision of 1 light inside the Sliding door
- f. **In the battery box:** For ease in regular maintenance a Sliding tray battery fitment structures; capable of holding 2 nos. 100 amp batteries should be provided.
- g. Adjacent to the sliding drawers a semi open able drawers for 2 dustbins should be provided.

**Storage 4: Lab Technician examination table cum storage**

- a. Dimensions: L-1080 mm x W-550 mm x H-680 mm.
- b. The Lab technician examination table should have 01 nos. drawers along with table. The drawer should be of full depth of table with dimension of L- 435mm X H - 150mm from the top.
- c. Below the drawers there should be a sliding door cabinet. Inside the cabinet, provision should be made for fixation of Centrifuge machine with proper Stand (bracket) & Velcro to secure its damage during vehicles in motion.
- d. **Wash Basin:** Stainless Steel (SS) wash basin Figure (5) with SS water tap of Jaguar, Italia make supplying water through Motorized Pump (12 V DC power operated, heavy duty), to pump the water from the fresh water tank @ 2 Lt / minute.
- e. **Fresh Water Tank and Drain Water Tank:** Both made of 3mm thick, food grade plastic, to be mounted underneath the lab technician table. One for inlet water supply to the wash basin tap and the Second for collection of waste water from wash basin. Each water tank should be of 20 ltrs capacity. The waste water tank should be fitted with controlled drainage facility to drain the waste water as and when required. Both the Tanks should be easily removable for any sort of Maintenance and Cleaning purpose.

**2) Seating space for MHU staff during movements-(with Seat belts) .**

- i. The 3 nos. seating provision to be provided Figure (6). In which 2 nos. should have single seating capacity & 1 nos. should have two persons seating capacity.
- ii. Seats should have capacity to bear 200 kg weight,
- iii. The seat to be placed on side wall with MS support of 08 mm inside the FRP. The FRP Sidewall to be designed with dip for accommodating the foldable seat during movement and proper metal locking arrangements to be provisioned to hold the folded seat firmly without vibration, during movement.
- iv. Please refer diagram for dimensions of each seats
  - v. All seat cushion should be minimum 70 mm thick or higher density Foam to be provided for comfort
  - vi. All the seats cover in vehicles to be provided with non absorbent PVC leather cloth of IS -1259 (class A, grade I) seat covers (of grey color) with perfect fitting and easy to replace facility.
  - vii. Steel reinforcement of the squad bench to take direct load on structure rather than FRP.
  - viii. Back rest should be minimum 50 mm thick should be provided in concurrence with squad bench at the left side wall panel
  - ix. It should have suitably placed waist locking belts.
  - x. Back rest and seat will be a combination of MS Plate and cushion foam. The foam will with non absorbent PVC leather cloth of IS -1259 (class A, grade I) seat covers (of grey color) with perfect fitting and easy to replace facility.

**Foldable Seat for medical officer in Driver compartment:**

- i) Dimensions: Depth =410mm, Width =540mm and Seat height=380mm, Back Rest Height=550mm.
- ii) Powder coated MS pipes of 3/4 inch diameter & 1.5 mm wall thickness to be used.
- iii) It should have one waist locking belt.
- iv) Seat cushion should be minimum 70 mm thick or higher density Foam to be provided for comfort
- v) The seat cover to be provided with non absorbent PVC leather cloth of IS -1259 (class A, grade I) seat covers (of grey color) with perfect fitting and easy to replace facility.
- vi) In folding condition proper passage should be provide for the entry Figure (7) of patient in mobile health unit.

### 3) Flooring

- i) A water proof and fire retardant marine ply board *with* 19 mm thickness automobile grade IS: 15061-2002 approved, preferably Magnus Chequered plywood IS: 315:64:2010) (is to be used for flooring with maximum two joints coming around the centre of the body. The flooring should be provided with antirust coating before start of the flooring work.
- ii) A non static, mark resistant, scuff proof and safety flooring material LG-CS301 or Veekay or Wonder floor 1.6 mm product code 554902 or EQUIVALENT APPROVED BY TECHNICAL COMMITTEE) to be glued properly without entrapped air bubbles and without any joints anywhere.
- iii) All floor level moldings, edging and trim shall be sealed to prevent fluids from seeping under cabinets, walls and ply board.

### 4) Interior paneling work:

#### a. Wall panel

- i. Complete interior paneling of the 02 sidewalls, both sides of the partition wall between patient cabin and driver cabin, roof (of both patient and driver cabin) & back door panels should made from Fire Retardant grade FRP sheets of minimum 03 mm thickness.
- ii. Adequate provisioning to be made in the FRP Panels for open able glass sliding windows.
- iii. The complete interior should be edgeless and suitable for easy cleaning / scientific fumigation / treatment of disinfectants. The panels must be suitably formed using the appropriate FRP processing technology so as to match to the contour of the vehicle and looks aesthetically pleasing.
- iv. The panels for each of the surfaces should be produced as modular with minimum joints either along the length or the width of the panels to accommodate future repairs and maintenance works. The approval of client is required before execution of work regarding the paneling layouts. The quality of joint should be homogeneous to suit the hygiene requirements of MHU compartment; all the joints should be tool based for aesthetics.
- v. The minimum thickness at any point of the panels should not be less than 3 mm. The ceiling, both the sidewalls, both sides of the partition wall should be produced in one single piece matching to the dimension of the patient compartment dimension of the ambulance.
- vi. Between the interior conversion panels and the internal surface of the base vehicle body there should be adequate insulation of appropriate grade to have a good climatic control environment inside the vehicles.
- vii. The FRP panels are to be reinforced with steel rib cage and all Interiors,

internal sides, cover to close the wheel hump and roof should be paneled in **Fire Retardant Fiber Reinforced Plastic** (FRP) minimum 3 mm thick, Chopped Strand Mat / Isophelic Polyesters / Gel Coat (Naphtha / Saint Gobin or equivalent) with superior quality PU PAINT SWAN WHITE COLOUR in painting. Anti corrosive plating is necessary for the cage

- viii. Dual insulations - PUF / PU 12 mm insulation and thermo cool 50mm thick (Both in two layers) for reduction of heat and noise within the patient compartment, insulating material should be non-toxic, non-settling type, vermin proof, mild dew proof and non hygroscopic body and paneling to be provided
- ix. The joint of one panel to the other must be suitably engineered so that all the joints are functionally hygienic and protected from any ingress of liquids and any other medical secretions of any kind. The joints should be finished in such a way so that these appear aesthetically appealing.
- x. The panels should be molded keeping in view the aesthetic aspect for electrification and other fitments as per utility and layout of the patient compartment.
- xi. There may be minor variations in the mentioned dimensions of various storage, seating and other fitments depending upon the actual space available in the rear compartment of base vehicle. In such cases, any deviations need to be processed under approval of GVK EMRI technical team.
- xii. The material specified for interior paneling is Fire Retardant grade FRP of white color.
- b. All the Panels, Equipments & storages Mounted and Provision for Medical Equipments to be Mounted, shall have 6 mm thick Mild Steel (MS Fe 410) sheet reinforced behind the specified area. The MS sheet should be MIG welded to the body of the Vehicle structure as per Automobile standards and **be anti corrosive plating and coated with Primer to avoid any rusting.**
- c. **Partition wall:** Partition wall: cold rolled 40X20X0.8 MM MS rectangular hollow tubes should be made a frame structure to hold the partition walls of 3 mm FRP

sheets on both sides of the tubical structure. Partition wall has to be PU painted on both sides.

- d. A seamless appearance and finish is desirable to keep the ambulance bacteria free in services.

#### 5) General Criteria:

- i. Gap between the FRP internal Panels and the external vehicle body shell should be stuffed with (50mm thick) sand witch of PU foam and Thermocol sheets to provide perfect insulation and prevention of heat absorption.
- ii. Provision for placement of electrical switches/sockets/fans/foldable seats to be made available with the FRP panels as per placement details and dimensions provided.
- iii. Provision for I.V hooks & holders 2 no. should be made on the ceiling just above the storage -3(Patient examination bed).

#### 6) Head- racks and grab rails in the ceiling

##### a. Head Racks:

- I. 2 nos. Headracks figure (9/10) for storage to be provided in the MHU, please refer drawings for position and measurement.
- II. Made in FRP (min 3mm thick) and required Powder coated MS reinforcement to be provided. **Inner** surface is to be pasted with soft heatlon sheet of 4mm thickness. Anti corrosive plating should be given to the reinforcement plate and coated with primer and paint
- III. The Head rack should have suitable closures to cover the opening which are easy/comfortable to operate and do not have any sharp edge at the openings.

##### b. Grab Rails:

- i. A 2040 mm long pipe of 30mm dia. made of stainless steel (SS) be placed as grab rail on the Ceiling with proper supports at four places.

- ii. 2 nos; 610mm long pipe edgeless grab rail of 30mm dia. made of SS is placed as Grab Bar one near the LHS rear door at Storage cabinet Figure (2) and other at the LHS wall beside LHS door, with firm support at the ends.
- iii. The grab rail should have capacity to withstand pulling force of 200 kgs.

### **7) Fire extinguisher mounting:**

A proper heavy duty bracket support (powder coated on MS structure) should be provided beside storage 1 for placing a fire extinguisher.

### **8) Portable Oxygen Bottle mounting**

A proper heavy duty bracket support (powder coated on MS structure) should be provided inside the seat near entry door for placing a portable oxygen Bottle.

### **9) LEDTV mounting:**

A proper heavy duty bracket support (powder coated on MS structure) for LED TV should be provided on Rear LHS Window facing outward direction. The LED TV should be vibration free to secure its damage during vehicles in motion.

### **10) Foldable Table and Chair Fitment:**

A proper heavy duty bracket support (powder coated on MS structure) for foldable table and chair should be provided on partition wall in pilot compartment. The Table And chair should be properly locked to its position with Velcro and Toggle Clamps.

### **11) Curtains:**

Provision of Dark blue colour sliding curtains should be provided at surrounding patient examination bed and window.

### **12) Water Dispenser:**

A water Dispenser of 10 Liters capacity is to be provided above washbasin area with appropriate fixing bracket and Velcro for safety during movement of vehicle.

## Part B: Scope of Fabrication (Electrical) Work:

### 1. Inverter:

- i. True sine wave Make- M/s Luminous (1050) VA inverter is preferable as a standardized equipment for all our ambulances.
- ii. Inverter Capacity - 900 watts / (1050) VA,
- iii. Input Range - AC 180 V – 250 V / DC 10.8 V - 14.1 V
- iv. Frequency - 50 Hz
- v. Power Factor - 0.8
- vi. Output Voltage – 220(+/-)10% (regulated output from full charge battery voltage to low charged battery voltage)
- vii. Waveform - Single Pulse PWM
- viii. Efficiency - 85%
- ix. Charger - Heavy duty CC/CV type with current limit at 12A with wide input range (150V-270A)
- x. Integrated AC/DC supply inside the vehicle synchronous with alternator.
- xi. All the electrical Wiring should be done in consultation with the Inverter Manufacturer's recommendation, and should provide certification to prove this.

### 2. Internal lights, sockets, switches and other electrical equipments:

- i. (4Nos) power LED automotive light fixtures for internal lighting from authorized and reputed light manufactures only and built in 12V DC powered, each on a separate circuit. Approved by GVK EMRI
- ii. 220V AC / 5 amp - 3 pin (8 Nos) and 12V DC-Round sockets (3 Nos) power source with. Crabtree or equivalent modular switches.
- iii. The position of Switch & Socket assembly would be near tables & patient examination bed.
- iv. External charge port with spring loaded lid. Has to be located under pilot seat.
- v. Separate switches to be provisioned for individual lights, fans, LED TV and individual sockets.
- vi. All the electrical cables are to be off minimum 04 mm dia ISI marked cables only. All the female sockets are to be of 05 pin 06 amps. All the electrical cabling are to be done outside the FRP side wall with appropriate PVC routing boxes for easy repair facility.
- vii. All four AC 08 inch fans are to be placed/mounted at the following locations each one at each location;



- a) Just above the Storage-3(Patient examination bed)
- b) Just above the storage-2 (Doctors table cum storage)
- c) Just above the storage-1 (Paramedics table).
- d) Just above the storage-4(Test equipment table)

### 3. Electrical Wiring:

- i. All The main Components like,
  - a. Each of Internal Lightings (LED Lights),
  - b. Each of Equipments power Sockets,
  - c. All four AC fans
  - d. Inverter & its charging port
- ✓ Should have separate circuits, (Power drawn directly from source with proper cut off switch after Battery/Inverter) and a MCB of 05 amps (Havells) on it.
- ✓ Fuse rating and usage should be mentioned on Fuse box cover.
- ✓ A laminated copy of standard wiring diagram should be provided with each ambulance for reference.
- ✓ The position of lights, Fans, Fuses, MCB, Switch board & Socket assembly should be preapproved by GVK EMRI.
- ✓ All switches and sockets must be of Havells/ Crabtree or equivalent modular switches make.
- ✓ Other than vehicle wiring harnesses, all wires/harness used for should be minimum 4 MM dia ((Flexi Cab, Finolex , Shanko deluxe with ISI marked) .
- ✓ All fans must be of Remi make
- ✓ All MCBs must be of Havells/Crabtree make
- ✓ The LED lights must be from reputed brand and must carry 01 years onsite repair/replacement warranty.
- ✓ **All above items must be ISI marked were available and should get approved by GVK E.M.R.I prior to fitment**
- ii. A separate MCB to each of the (as mentioned above) circuits be given.
- iii. There should be an Indicator mark on each MCB to identify the circuit configuration.
- iv. There should not be any joints be given within the Circuit Wiring,
- v. At any unavoidable wiring junction(s) the wires should be joined through Bakelite Connectors only,
- vi. There should not be any loose wiring and loose joints;
- vii. All the electrical accessories should carry ISI Mark and be approved by technical committee and should be of (ARAI/ISI) automobile standards.

- viii. All other unspecified Parts necessary for the Wiring should be of Automobile grade and/or ISI Certified.

#### **5. Collapsible canopy:**

A collapsible canopy, manually operated, to be installed on the LHS external sidewall. The installation area should be just below the roof and under the roof water channel. The material specification for the collapsible canopy is as mention below;

- a) The frame of canopy will be of anodized aluminum bars.
- b) The canopy material will be of Ferrari fabric or its equivalent approved by GVK EMRI
- c) The canopy and the material used to be presented to GVK EMRI technical team for pre-approval before installation. Decision of GVK EMRI will be considered final.
- d) The dimensions of the collapsible canopy will be L-12 Fit x W-08 Fit when in open condition.

Minor changes may be recommended by GVK EMRI with the dimensions, material and installations specified. The selected tenderrer must obtain written approval from GVK EMRI technical team before implementation of such changes recommended at later stage. No additional cost can be provisioned for such changes by the tenderrer.

#### **6. Digital Clock:**

A digital clock is to be provided in the patient compartment. It should have a minimum Letter (font) Size of 50 to have better visibility and mounted on partisan wall at appropriate place. The clock must be of Ajanta or Orpat make.

#### **7. Body Graphics:**

The external graphics will be a combination of 3M vinyl and radium material. Actual design and specifications will be shared later. The tenderrer should quote the price for Radium Branding including Labor and all taxes. None of the radium stickers are to be pasted directly on vehicle body. All are to be pasted on vinyl base. Detailed drawing/samples will be furnished.

Ambulance to be supplied with exterior design / painting as per GVK EMRI design. All vinyl / reflective stickers/ films of LG, 3M or equivalent to be used.

#### **Quality of Material :**

- All the materials used in fabrication should be only of brands mentioned in the tender, the equivalent product could only be allowed in case of unavailability of specified product and it should be approved by GVK Technical authority.
- Any use of sub standard material not meeting the specifications will result in penalty and cancellation of purchase order whatever is found feasible to GVK EMRI.
- Vendor will have to produce the purchase invoice copy , routine test certificate, batch production quality check certificate and dealership authorization certificate of all the key specified items in the tender used in fabrication if asked by GVK EMRI for verification of source and quality of materials used in view of tender specifications.
- Interior layout could be changed during the fabrication process for better utility of the ambulances as and when desired and as approved by GVK EMRI.

### **Annexure-III**

#### **WORKMANSHIP CRITERIA FOR ACCEPTANCE**

(General appearance of the vehicle shall not show any evidence of poor workmanship).

The following shall be reason for rejection:

1. Rough, sharp or unfinished edges, burrs, seam, sharp corners, joints, cracks, and dents.
2. Non-uniform panels. Edges that are not filleted, beveled, etc.
3. Paint runs sags, orange peel, "fish eyes", etc. and any other Imperfection or lack of complete coverage.
4. MIG welding method has to be adopted where welding is done. Welding surface is psprayed with Zinc spray to avoid corrosion
5. Body panels that are uneven, unsealed, or have voids.
6. Misalignment of body fasteners, glass, viewing panels, light housings, other items with large or uneven gaps, spacing etc. such as door, body panels, and hinged panels.
7. Improper body design or interface with the chassis that could cause injury during normal use or maintenance.
8. Improperly fabricated and routed wiring or harnesses.
9. Improperly supported or secured hoses, wires, wiring harnesses, mechanical controls.
10. Loose, vibrating, abrading body parts, components, subassemblies, hoses, wiring harnesses or trim.
11. Interference with chassis components, body parts, doors, etc.
12. Leaks of any gas or fluid lines, (AC, coolant, oil, oxygen, etc.)
13. Abnormal Noise, panel vibrations, etc.
14. Sagging, non-form fitting upholstery or padding.
15. Incomplete or incorrect application of rust proofing.
16. Inappropriate or incorrect use of hardware, fasteners, components, or methods of construction.
17. Incomplete or improper welding, riveting.
18. Visual deformities.
19. Lack of uniformity and symmetry where applicable.
20. Test certificates should be obtained for the material procured particularly paints , electrical items
21. Unsealed appurtenances or other body components, gaskets, etc.
22. In addition, any deviation from specification requirements (refer Annexure-I) or any other item, whether or not stipulated herein, that affects form, fit, function, durability, reliability, safety, performance or appearance shall be cause for rejection.
23. Defective components shall not be furnished. Parts, equipment, and assemblies, which have been repaired or modified to overcome deficiencies, shall not be furnished without the approval of GVK EMRI. Welded, bolted, and riveted construction utilized shall be in accordance with the highest standards of industry. Component parts and units shall be manufactured to definite standard dimensions with proper fits, clearances, and uniformity.

**ANNEXURE - V****List of Medical Equipments to be supplied with the EACH Fabricated Vehicle****1) SEARCH LIGHT (RECHARGEABLE):**

- Shall be able to withstand the rugged condition of the emergency usages
- Shall be durable , even after repeated use
- Rechargeable, Handy, 4 W

**2) Pupillary Torch with batteries**

1. Body made of Stainless steel or aluminum or ABS plastic
2. Run on AAA or AA batteries (2 batteries)
3. Push button start
4. Lens end Lamp

**3) Stethoscope Adult**

1. Stain less steel Chest piece
2. Dual head rotatable with diaphragm on one side and bell on the other
3. Non-chill diaphragm and retaining ring
4. Non-chill lining for the bell
5. Soft sealing ear tips.
6. Head set anodized aluminum or stainless steel
7. Tube length 20 to 30 inches
8. Epoxy fiber glass diaphragm is desirable
9. Diaphragm diameter is an inch to 1 ½ inch
10. An extra set of ear piece/ diaphragm and retainers should be provided.

**4) BP Apparatus (Manual -Aneroid) with one adult and one pediatric cuff**

- Corrosion resistant shock proof body

- Dial with contrast colors for easy reading
- Range up to 300 mm of Hg
- Should be supplied with Adult and pediatric cuffs
- BP cuff:
  - Small adult
  - Adult
  - Pediatric cuff
  - Thigh
- Velcro bag for the bladder
- Chrome plated metal/ stainless steel pressure control valve
- Bulb, tubing's and bladder made of rubber

### 5) Clinical Thermometer (Digital)

1. Sleek design
2. Flexible tip
3. Washable
4. Centigrade and Fahrenheit Measurement option
5. Memory of the last event
6. Temperature range must include 32 to 42°C
7. Auto power off
8. Fever alarm (100°F)
9. Should include a storage case

### 6) Weighing Machine (Adult & Pediatric)

**For Adult:** Stand on, bathroom, digital, range 0-150kg in 500g divisions, portable  
*OR* Stand on, bathroom solar, range 0-150kg in 100g divisions, powered by long life lithium battery, portable

**For Infants :** Portable, spring, Salter, hanging type, capacity 25kg, markings 500g with 100g graduations supplied with trousers and slings  
Spare: slings and trousers

### 7) Knee Hammer (For examination purpose)

### 8) Measuring Tape (normal- used by tailors)

### 9) Vision charts for long and short vision and color blindness.

Snellen Chart with letters of alphabet (English as well as Gujarati) for the literate and E chart for the illiterate.  
Near Vision Chart

Ishihara Chart (For testing color blindness)

All in washable vinyl plastic card, marked both in feet and meters, approx. 28 x 54 cm. in size with eyelet on top for hanging up.

**10) Resuscitation kits (including neonatal, pediatric & adult ambu bags & portable oxygen cylinder)**

**Ambu Bag mask Device Adult -Silicon**

Adult bag:

1. Material
  - a. Bag and mask - Silicone rubber
  - b. Valves and membranes - Silicone rubber
  - c. Connectors and housing - Polysulfone
  - d. Reservoir - Poly Vinyl Chloride
2. Ventilator bag volume - 1600 ml
3. Reservoir bag volume - 2600 ml
4. Deliverable volume - 800 ml
5. Mask number 3-4 and 4-5 to be supplied
6. Oxygen connector tubing
7. All enclosed in bag

**Ambu Bag mask Device Bag Child- Silicon**

Child bag:

1. Material
  - a. Bag and mask - Silicone rubber
  - b. Valves and membranes - Silicone rubber
  - c. Connectors and housing - Polysulfone
  - d. Reservoir - Poly Vinyl Chloride
2. Ventilator bag volume - 500 ml
3. Reservoir bag volume - 600 ml
4. Deliverable volume - 320 ml
5. Mask number 3-4 to be supplied
6. Relief valve should be present
  - a. The spring should be of stainless steel

7. Oxygen connector tubing
8. All enclosed in a bag

### **Bag mask Device Bag neonate- Silicon**

Neonatal/Preterm bag:

1. Material
  - a. Bag and mask - Silicone rubber
  - b. Valves and membranes - Silicone rubber
  - c. Connectors and housing - Polysulfone
  - d. Reservoir - Poly Vinyl Chloride
2. Ventilator bag volume - 240 ml
3. Reservoir bag volume - 600 ml
4. Deliverable volume - 150 ml
5. Mask number 00, 0/1, 2 to be supplied
6. Relief valve should be present
  - a. The spring should be of stainless steel
7. Oxygen connector tubing
8. All enclosed in a bag

- **Portable oxygen cylinder**

### **Portable Oxygen Cylinder with dial type flow meter (2 nos. in each vehicle)**

1. Made of Aluminum
2. Dial type flow meter with regulator
3. Minimum 350 liters of oxygen
4. Water capacity of 2-3 L
5. Height around 1 ½ foot
6. Diameter not more than 4 ½ inches
7. Sufficiently small to be carried in back pack (not more than 3 Kg)
8. Should be able to withstand 139 bar

### **11) Microscope**

- Binocular, with built-in (6V 10W halogen lamp or 6V 20W) light source, powered by mains electricity (220- 240V), complete with - pair of 10X widefield eyepieces - pair of 7X or 8X eyepieces (for use with 100X oil immersion objective) - objectives 10X, 40X and 100X (oil) - precentred Abbe condenser, with iris Diaphragm and filter holder, adjustable for height - mechanical stage



with slide holder, spring arm, and movement controls - condenser focus control - course and fine focusing and focus tension control - lamp brightness control - on and off switch - mirror (if required can screw into base for use with daylight) - dust covers cotton and polyethylene plastic

- Spare:
  - Bulbs
  - Fuses
- Accessories:
  - Rubber bulb blower

**12) Suturing and dressing tray set**

SS Tray with lid : 12" x 8" - 4 nos.

Forceps dissecting, approx. 8-12 cm, with 1x 2 teeth - (2 nos.) Forceps plain approx. 8-12 cm, without teeth - (2 nos.)- Forceps artery, approx. 6-8 cm, curved, SS e.g. Mosquito - ( 6 nos,)- Scissors dressings, approx. 8-12 cm, straight or curved (2 nos,)- Needle holder, approx. 10-12 cm, serrated, straight, SS, (1 no.)

**13) Needle & Syringe Destroyer**

- 1) Electric
- 2) Power source 220-240 V AC (12 V DC is desirable)
- 3) Burn/Damage the needle and cut the syringe tip.
- 4) Should not cause injuries
- 5) The damaged needles should automatically collect in a container which can be transferred to sharps container without direct handling of needles.
- 6) Electric needle and syringe destroyers should be shock proof and made of ABS plastic or steel



**Figure 1: Needle destroyer Electric**

**14) Biohazard Bags & Containers**

- Bio Hazard Bag with Four Colors and 500 Gms Each 24 x 16 Size as per Bio Hazard Norms of GOG.
- Yellow Bag - 500 Gms/Vehicle
- Black Bag - 500 Gms/Vehicle
- Blue Bag - 500 Gms/Vehicle
- Red Bag - 500 Gms/Vehicle

**15) Disposable Tongue Depressor with Container**

- Disposable wooden spatulas
- 6 inches long
- Supplied in boxes of 100 pieces in each Ambulance
- Container Made up of Standard Food Grade Plastic (Virgin Material Only)



Figure 2: Disposable wooden spatulas

**16) Vaccine Carrier.**

Durable plastic box, preferably insulated with polyurethane foam (approx. 40mm thick), removable lid, with carrying handles and/or straps, and appropriate number of icepacks, storage capacity approx. 0.1-6l, cold life 24-72 hours, supplied with soft foam pad, approx. 3- 3.5cm thick with slits to hold vials

**17) Cheatle Forceps of SS to put/remove sterilized equipments  
Size: 8" to 10" Inch**

- 18) **Spirit Swab Container**  
 i. **Plastic Container of 100 Ml of Spirit**  
 • Swab Container : Cotton tip swabs, stem wood or plastic, in tube, with label, sterile unit, approx. length 15cm, individually wrapped, pack of 100

- 19) **Laptop**  
  
Specification  
 Intel Core i5  
 4GB RAM  
 500 GB HDD  
 17.3" diagonal display  
 Windows 7 Professional  
 Business Series rugged laptops

Brand/Model Suggestion  
 HP EliteBook  
 Acer Emachines Laptop

- 20) **Printer**  
 HP Office Jet Model No. 2515 (Print, Fax, Xerox, Scanner)

- 21) **Camera**

BRIEF DESCRIPTION OF REQUIREMENT (Below Mentioned is the Minimum Requirement for GVK EMRI)	MAKE
Digital Camera - Minimum 16 Mega Pixels, 3 to 5X optical Zoom, rechargeable batteries with Charger, Case cover, 4 GB memory Card, Data Transfer Cable. other standers features	Canon / Sony Only

- 23) **Electric Centrifuse Machine with 15 ml tubes - 4 Nos.**  
 24) **Haemocytometer**  
 25) **Metal Tray Perforated - Size 10" x 12" - Made up of SS**  
 26) **Test Tube Rack for 6 Test Tubes (15 x 1.8 cm)**  
 27) **Hemoglobinometer Digital**  
 28) **Manual cell counter designed for differential counts with 5 Keys**

- 29) Wstergreen's ESR Tube ,Stand for holding the tube
- 30) Wooden Table - 01 No. Size : 800 x 600 x 700 mm  
Foldable chairs - 02 Nos
- 31) Fire Extinguisher - 6 Kg with fixing stand

**Stored Pressure Type**

- 1. 6 Kg capacity
- 2. Dry Chemical Powder ABC Based
- 3. Shall be able to withstand the rugged condition of the emergency usages
- 4. Shall be durable , even after repeated use



- 32) Siren with Amplifier & Public addressing system 40 W without PMPO
- 33) LED TV 24" FULL HD with USB Port -preferable brands  
SONY ,Panasonic, Philips, micromax, Intex, Samsung or equivalent

**ANNEXURE- VI****UNDERTAKING ON FRAUD AND CORRUPTION**

We M/s ..... Do hereby undertake that, in competing for (and, if the award is made to us, in executing) the subject contract for supply of ..... under tender reference no. .... Dt ..... We shall strictly observe the laws against fraud and corruption in force in the country.

Sd/-

Signature of proprietor/Partner/Director  
Designation:

Seal:

## ANNEXURE- VII

### DECLARATION

On

Manufacturing facilities / After Sales Service

Tender enquiry No. \_\_\_\_\_

For supply of \_\_\_\_\_

1. Name of the tenderer :
2. Full Postal Address :
3. Telephone No./Fax No. :
4. Email address :
5. Date of inception of business:
6. Registration no. & Date :
7. Issued by :
8. Valid till :
9. Details of manufacturing activity & item wise capacity :
10. Detail of After Sales Service & AMC facilities available locally

Name of the Agency:

Full Postal Address:

Phone / Fax / E-mail:

11. Name of person responsible for 10 above

Sl. no.	Name	Designation	Age	Residential Address
---------	------	-------------	-----	---------------------

12. Name of Govt. Departments/ Pvt. Institutions to which the tenderer already supplied the items with quantity, value and supply period As per enclosure

13. Has the tenderer ever been black listed by any govt. agency? If yes, give details.
14. Are any cases pending in the court related to any supplies? If yes, give details
15. Does the firm have the adequate facilities for inspection and quality control? Please give details

I, \_\_\_\_\_ Prop./partner/Director of M/s

\_\_\_\_\_

Hereby declare that the information given in this form is true and correct to the best of my knowledge & belief.

I/we agree to the tender Inviting Authority forfeiting the Earnest Money Deposit and/or Performance Security Deposit and blacklisting us for a period of 5 years, if any information furnished by us proved to be false at the time of inspection and non - compliance with terms and conditions of the contract

I offer to supply the items mentioned in the schedule (enclosed in price bid) at the rates quoted therein. I agree to hold this offer for one year after finalization of rate contract.

Dated: Signature\_\_\_\_\_

Name of tenderer\_\_\_\_\_

Address\_\_\_\_\_

\_\_\_\_\_

**ANNEXURE-VIII****PROFORMA FOR PERFORMANCE STATEMENT  
(FOR A PERIOD OF LAST 2 YEARS)**

Name of firm \_\_\_\_\_

Sl.	Name of the product	Year	Quantity supplied.	Value.	Name and full address of the purchaser
	1	2	3	4	5
1.					
2.					

Signature and seal of the Tenderer \_\_\_\_\_



## ANNEXURE- IX

### ANNUAL TURN OVER STATEMENT

The Annual Turnover of M/.s\_\_\_\_\_ for the past three years and concurrent commitment for the current financial year are given below and certified that the statement is true and correct.

<i>Sl.No.</i>	<i>Year</i>	<i>Turnover in Lakhs (Rs)</i>
1.	-	
Total -		Rs. _____ Lakhs

Average turnover per annum - Rs. \_\_\_\_\_ Lakhs

Concurrent Commitment

Sl. No.	Contract Ref.	Purchaser	Total Contract Value	outstanding Value	Estimated Delay in completion date

Signature and seal of the Tenderer

**ANNEXURE X**  
**Performance Security Bank Guarantee**

..... (*Insert: Bank's Name and Address of Issuing Branch or Office*)

**Beneficiary:** ..... (*Insert: name and Address of Purchaser*)

Date: .....

PERFORMANCE GUARANTEE No: .....

We have been informed that (*insert: name of Supplier*) has entered into Contract No. (*Insert: reference no of the contract*) dated ..... With you, for the supply of (*insert: description of goods*).

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Supplier, we (*insert: name of bank*) hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of (*insert: amount in figures*) (.....) (*insert: amount in words*) upon receipt by us of your first demand in writing accompanied by a written statement stating that the supplier is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire no later than the ..... Day of ....., 2..... , and any demand for payment under it must be received by us at this office on or before that date.

\*\* The guarantor agrees to extension of this guarantee for a further period in response to the purchaser's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee.

**ANNEXURE XI**  
**Supplier Information Form**

1. Name of Organization: \_\_\_\_\_
2. Permanent Account Number (PAN) : \_\_\_\_\_ (Pls. enclose Copy)
3. Constitution (Please tick Mark (√) ) : Proprietor HUF Trust/Association Firm  
Private Ltd Company Public Ltd Company
4. Registered Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
5. Correspondence Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
6. Sales Tax Registration-CST & VAT: \_\_\_\_\_
8. Service Tax Registration: \_\_\_\_\_
9. Bank A/C Details  
Name of Bank : \_\_\_\_\_  
Bank A/C No : \_\_\_\_\_ (Current / Saving)  
Branch & Add : \_\_\_\_\_  
IFSC code : \_\_\_\_\_  
MICR code : \_\_\_\_\_
10. Contact Details  
Contact Person : \_\_\_\_\_  
Telephone No : \_\_\_\_\_  
Mobile No : \_\_\_\_\_  
E-Mail ID : \_\_\_\_\_
11. Name of sister concern If any \_\_\_\_\_

**(Signature of Authorized Person)**

**ANNEXURE XII**

Sl. No	Criteria	Vendor A
1	Tender Fee	
2	EMD	
3	Proof of past experience in Ambulance Fabrication	
4	PAN Card copy	
5	Sales Tax Registration copy	
6	Excise Registration copy if applicable	
7	Relevant Manufacturing License copy if applicable	
8	Audited Financial statements with all reports .In case of unaudited Financial Statements CA Certified Turn Over Certificate must be enclosed for the past 3 years	
9	Income Tax return copies for last 3 years	
10	All Pages of the tender document duly signed and stamped	
11	Declaration as per Annexure VII	
12	Undertaking on Fraud and Corruption as per Annexure VI	
13	Proforma for Performance Statement as per Annexure - VIII	
14	Check list for Line item wise compliances of specifications	

**Annexure XIII**  
**Price Bid Format****(To be submitted Online only)**

<b>Item</b>	<b>Particulars</b>	<b>Basic Unit Cost (INR) - A</b>	<b>Taxes and Duties (INR) - B</b>	<b>Transportation Cost from GVK EMRI - Ahmedabad to Workshop and return to GVK EMRI (In INR) per Unit</b>	<b>Total Unit Cost in Figures A+B+C</b>	<b>Total Unit Cost In Words</b>
1	Fabrication of one unit of MHU Van with Equipments (as per specification)					