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No. F-8(25) RMSC/EPM/M-5/2016-17/NIB-200/325 Dated: 27/1/12

CLARIFICATION/CORRIGENDUM/ADDENDUM

Subject: Amended technical Specifications and Date Extension of Bid document for Blood Collection and Transportation Ambulance under NIB No. F-8(25) RMSC/EPM/M-5/2016-17/NIB-200/6082 Dated 08.12.2016.

In Reference to above cited subject and NIB-200, the technical specification of items are here by amended as below:-

Technical Specifications of Blood Collection & Transportation Van

Technical specification for supply of chassis, body fabrication, A.C. & fitment/installation of equipment for Blood Collection & Transportation van:

1. Blood Collection and Transportation Van (BCTV) need to be specially designed vehicle for specific provision of blood donation, collection and proper Blood transportation, BCTV needs to be equipped with all medical equipment as listed required to conduct / support voluntary blood donation in mobile camps.
2. The Vehicle should be chassis built and rear wheel drive, should be latest model and twin tier on rear axle.
3. Vehicle chassis model should be of standard chassis manufacturer & engine & gear box of reputed make & capacity & should be suitable for complete Blood Collection & Transportation Vehicle & also confirm to pollution norm BS IV specifications fitted with power steering. Vehicle engine's (Diesel) power should not less than 100 BHP & gear box should have synchromesh gears (5 forward gears minimum). The vehicle should have aerodynamic design for better operation.
4. Vehicle should have two suitable air conditioning systems. One Split Air Conditioning System (make-Hitachi/Daikin/Mitsubishi/O-General) operable on alternating current 230 volt supply from external electricity. Second AC should be operable by vehicle engine while travelling (Make-carrier / subros) including driver cabin. Air Conditioning should maintain the temperature suitable for Blood Collection & Transportation Vehicle & insulation material (thermocool/PU) should be used of FR grade & good quality density as per ISI norms. Air Conditioner should be properly placed in Blood Collection & Transportation Vehicle so that complete vehicle maintains the uniform temperature i.e. $22^{\circ} \pm 3^{\circ}\text{C}$. Luvers have to be provided as per requirement.
5. Vehicle wheel base should not be less than 3600mm so that after fabrication work, the working space in saloon should be available to accommodate two Blood donor couch, one Blood Bank Refrigerator, registration counter with two SS top revolving stool for donor, two ward robs for storage purpose, full width seat at rear side without hand rest along with dicky for storage of goods open-able outside from back with lock. Two high back donor waiting seat. Floor to roof saloon clear height should not be less than 75 inches.
6. Blood Collection & Transportation van should have enough space for all equipments/gadgets installed in the vehicle & necessary platform to be provided for installation-fixing of equipments & movement of donor & staff.
7. All structures to be fabricated with proper size of M.S. sheet, Angles, Channel etc. Outer panelling of the body should be of galvanized MS steel sheet with minimum joints. Suitable insulation to be provided between outer & inner panel & roof flooring should be done by BWR/Marine grade chequer plywood with vinyl flooring, vinyl flooring should be of good quality & not damaged/ deteriorated by sodium hypochlorite solution. Fabrication work should be of standard quality & with proper finishing. All equipments to be fixed properly. Body of the vehicle to be fabricated by tubular structure with combination of 40X40 or 60X40mm & confirm to IS & floor's cross bearers should be of minimum channel size 75X40mm & outer skirt paneling should be done with 16 SWG aluminium sheet & stretch panel of 20" approx. 1mm GP sheet. Interior with ABS as per ISI specification. Good quality Vinyl flooring to be done (1.6mm size) on 16mm BWR/Marine grade chequer plywood floor. Provide air exhaust system (vents) for proper air circulation.

8. Partition between driver & passenger saloon with suitable size gate. One separate door of adequate size is to be provided at LH Side in saloon for removal/fixation of donor couch etc. Doors should be provided, having good quality heavy duty hinges.
9. Main door has to be provided in LH side in front.
10. Rear Emergency exit at suitable place to be provided.
11. Suitable size of fix windows are to be provided with toughened TATA-Green tinted glasses with mazda bend.
12. Conductor side door should be deluxe type with suitable sizes step well for easy boarding.
13. The Stairs should be fitted with anti skid vinyl sheet and Handles should be insulated by PVC for left hand side conductor door.
14. Floor should be 15mm BRW chequer ply as per ISI specification with anti skid 1.6 mm vinyl flooring.
15. Front wide shield glass should not less than 5.5 mm approx laminated (single piece) & glass for windows of 5.00 mm size ISI specification toughened. Single wind screen glass with aerodynamic design and ORVM Mirrors in front side should be provided. Fog lamps should be provided. Blinds are to be provided.
16. Complete vehicle should be dust, waterproof & there should be no leakage & anti corrosion treatment is to be provided & best quality paint is to be used.
17. Good quality of switch board, switches are to be provided. Additional wire loom (at least 30 mtrs) to be provided for use of external electricity. Electrical system should be capable to bear the load capacity of all equipments. Electrical system should have 12V battery & suitable capacity alternator for vehicle requirement. A control panel with MCCB, changeover switch is to be provided for electric system for direct supply. Lights should provide better visibility & electrical fittings should confirm to IS standards. A suitable inverter system to be provided with separate battery of suitable capacity according to equipment load and electric wiring Diagram. One fridge (Make-LG/Voltas/Samsung) of 60-90 L capacity to be provided.
18. Sockets for 230 Volt AC and 12V system should be provided at suitable location.
19. Vehicle has to be registered in the name of Director RCH-NHM by the bidder.
20. Firm should provide fans 6 nos., siren, LED TV 42" (Make-Philips/Samsung/Sony), LED lights (Bajaj/Philips/Havells), roof lights as per requirement, music system and public address system (Combo type- Ahuja/Sony), Digital wall clock, Dustbin, fire extinguisher 02 nos. (5 Kg each ABC type), first aid box.
21. Fabrication work will be checked by a committee during the fabrication work twice. Modification in arrangement of equipments installation will be allowed by the Technical Committee. Equipments to be installed properly so that no damage occur during the travelling.
22. The tenderer shall provide the branding / stickering as per approved design provided by department.
23. Tyres, Battery & Chasis more than six months old will not be accepted (at the time of delivery).
24. The Stepney/ Spare wheel should be kept in easy access.
25. Tool box for storage of jack, wheel spanner and rod etc at suitable location.
26. Fast Nuts used should be of high tension grade with Zinc phosphating.
27. All medical devices should have fixing/safety standard of EN 1865/EN 1789.
28. Equipment in the BCTV has to fitted as per Technical Committee recommendation.

Terms & Conditions:

1. Firm will submit the literature / leaf lets brochures of models of the manufacturer, which they have quote their offers.
2. Inspection : During fabrication, inspection will be done at 2 stages by a committee -
 - (1) Structure & stretch panel
 - (2) Final inspection along with equipment validation.
 and at final stage shower test has to be conducted for any leakage.
3. Sample: Lowest bidder has to supply first vehicle as sample for approval & if required by a committee, suitable changes may be allowed.
4. All welding joints should be of mig welded. Length of welding should be not less than 25mm at equal pitch.



5. Wherever painting is required is PU paint of good quality has to be used for example Asian paint, SD or equivalent.
6. Stickering approximately 100sq. feet as per the requirement and direction of department has to be done by the bidder.
7. Proper Demonstration and Training to users is must.
8. User Manuals of all the equipments should be provided.

The Blood Collection and Transportation van must be equipped with following items as per specifications:

Sr. No.	Name of the Equipment	Required Qty.
1	Blood Collection Monitor	2
2	Blood Donor Couch fix type- Non Motorised by bidder	2
3	Portable Blood Bank Refrigerator 140 Ltr. (+2°C to +8°C) by bidder	1
4	Table top tube sealer with portable option	1
5	Tube Stripper	1
6	BP Apparatus (Aneroid type)	3
7	Weighing Scale for donors (Digital)	2
8	Oxygen Cylinders (B-Type) with Regulator, Humidifier & mask provision	1

2. Blood Donor Couch fix type (Non-motorised)

Use

Clinical Purpose

Blood Donor Couch is a fix type and specially designed to make blood withdrawals easier, safe and functional.

Technical Characteristics

Technical Characteristics

Construction:

(Blood Donor Chair model without wheels only)

1. Blood Donor Couch (BDC) are custom made for Mobile Blood Vehicle use and made from durable material / hardwood.
2. BDC have side entry to allow chair to be installed long ways, parallel to the wall of the vehicle.
3. BDC are fully manual for smooth shifting and setting for more than three positioning system with convenient manual handle to adjust for reclining and upright body position i.e. from Head-high/foot-low position to Head-low/foot-high combinations for blood donors safety, in case of any reaction.
4. BDC need to have manually adjustable, rotating and variable positioning swivel style arm rests with comfortably wide arm-pad which could swing outwards for comfortable position during regular blood donation sessions.
5. It needs to have back rest and leg rest size medically designed for donor comfort and also comfortable working level for assisting Technician.
6. BDC is ergonomically designed comfortable chair, having sinuous spring system and polypropylene covered wire insulator followed by 1.75 - 2.0 density premium foam upholstered with Contract Grade Vinyl upholstery with antimicrobial/bacterial finish for durability to withstand extreme weather condition and Donors safety.

Physical Characteristics

Dimensions (LxWxH) in cms

150-160 cms (L) X 50-60 cms (W) X 80-85 cms (H), Chair width with both arm rest 90-92 cms

Lifting Capacity

Minimum 150 Kg (Donor Weight)



3. Portable Blood Bank Refrigerator 140 Ltr.

Use

Clinical Purpose

Blood storage Refrigerator unit is portable and specially designed unit to keep blood bags safe by ensuring consistent temperature of +2°C to +8°C even during in-transit vehicle movement, extreme temperature fluctuations & weather conditions.

Technical Characteristics

Technical Characteristics

1. Mobile Blood refrigerator unit are custom made for Mobile Blood Vehicle use to sustain peculiarities of road conditions, terrains and diverse weather conditions.
2. They support specific temperature ranges and suitable for safe transport of biomedical (Blood) products in hot and cold climates.
3. Internal gross volume of unit need to support storing for approx. 80-100 blood bags (350 ml) and capable to operate on external operating temperature range from +55°C to +5°C and flexible on maintaining desired internal temperature range from +2°C to +8°C consistently, considering Indian diverse seasonal temperature variations/fluctuations.
4. Temperature holdover time of minimum 6-8 hours.

Construction:

1. Mobile Blood refrigeration unit's cabinet need to be made of single piece by rotational molding for durability and grade and stainless steel at least 22G as per regulatory standards.
2. Blood storage unit need to have thick polyurethane foam insulation of minimum 80-100 mm for maintaining longer cold life with less power consumption during use (for more working time).
3. Mobile Blood refrigerator unit are specially designed to protect them from damages during vehicle in-transit movement in diverse road conditions and easily stackable. Refrigerator to only have hermetic compressor.

Physical Characteristics

Dimensions (LxWxH) in mm

1000-1100 mm (L) X 600-650 mm (W) X 650-750 mm (H)

Weight

Approx. 35 – 45 Kgs.

Accessories & Spare Parts

Accessories & Spare Parts

Each unit to be delivered with free mandatory accessories, two removable wire shelves partition including fitted strip curtains, Each unit to be delivered with AC & DC cord.

Certifications

Certificates

Product should be European CE or USFDA certified.

5. Tube Stripper:

Use

Clinical Purpose

Tube Stripper is a hand held medical instrument used for stripping of blood bag tubes and used in blood donations.

Technical Characteristics



Technical Characteristics	<ol style="list-style-type: none"> 1. Tube Stripper is a metallic hand held medical instrument for stripping of blood bag tubes after each blood donation. 2. User should be able to adjust roller to match tubes with various diameter, if needed.
	Construction: <ol style="list-style-type: none"> 1. Instrument's body material is metallic (Stainless Steel), Grip material to be of Platisol. 2. Instruments roller needs to be of Delrin AF.
Certifications	
Certificates	Product should be CE certified.

7. Weighing scale for donors (Digital)

Technical Characteristics	
Technical Characteristics	Capacity 150 kg, graduation 500 gms. with calibration of 100 gms.
Certifications	
Certificates	Should be ISI marked / CE certified, model should be approved from legal metrology Dept., Govt. of India.

8. Oxygen Cylinders (B-Type) with Regulator, Humidifier & mask provision

B-type high pressure seamless cylinder for Medical Oxygen gas, cylinder are ISI marked conforming to IS:7285 part 2, certified by the Bureau of Indian standards (BIS) and approved by the chief controller of explosive (CCOE) Government of India.

Following equipment are available on rate contract of RMSCL. RMSCL will provide these equipment to respective firm and firm will install equipment in BCTV as advised by technical committee.

1. Blood collection monitor- 2
2. Table top tube sealer with portable option - 1
3. BP apparatus (Aneroid type)- 3

Note:

1. The bidder should submit technical compliance sheet as per technical specifications mentioning the make & model of quoted item along with catalogue for all the equipment in the Technical bid.
2. Documents related to CE/ European CE / USFDA / ISI etc (as applicable) for each equipment should be submitted in technical bid.
3. The bidder shall provide one year guarantee for whole ambulance unit including chassis, fabrication, air conditioning and equipments.

Work Schedule & Inspection (Blood Collection and Transportation Van)

Work order will be placed to the successful bidder by RMSC through registered post / Email/ any communication medium. The date of dispatch of latter or communication date will be treated as the order for calculating the period of supply. Starting from the date of placement of work order, the work schedule shall be as follows.

First 45 days	From date of approval of prototype
Intimation for prototype inspection	30 days for 6 Ambulances

Inspection will be done at 2 stages by technical committee.

- (i) 1st stage inspection: - Structure & stretch panel
- (ii) Final Inspection along with equipment.

During inspection modification, alternation, and addition as suggested by T.C. has to corporate in BCTV. Equipment should be installed properly so that no damage occurs during the travelling. The bidder shall request in writing for approval of prototype. If technical committee takes more than 3 days in the inspection/approval, then this period shall be provided to bidder in addition, Shower test has to be conducted for any leakage for each vehicle.

- I. Bidder are requested to send with bid, printed descriptive literature of the quoted items.
- II. If Bidder supplied to or have rate contract of quoted item with any other Govt. institutions within one year, he may be asked to provide copies of purchase orders, invoices and rate contract.

In Reference to above cited subject and NIB-200, the last date for sale of bid, receipt of bid and date of opening of technical bid is hereby extended as below:-

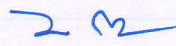
Existing Date			Extended date		
Last Date for Sale of Bid Form	Last Date of Receipt of Bid Form	Date of Opening of Technical Bid	Last Date for Sale of Bid Form	Last Date of Receipt of Bid Form	Date of Opening of Technical Bid
08.02.2017 11:00 AM	08.02.2017 01:00 PM	08.02.2017 03:00 PM	14.02.2017 11:00 AM	14.02.2017 01:00 PM	14.02.2017 03:00 PM

Note: The assigned work name should be changed from Blood Collection and Transportation Ambulance to Blood Collection and Transportation Van.

Please note that all above amendments/corrigendum in technical specifications/bid conditions is the integral part of the bid document. This corrigendum/ addendum should be signed and annexed with bid document.

All other terms and conditions of bid shall remain the same.

This bears the approval of M.D., RMSCL, Jaipur


Executive Director (EPM)
RMSCL, Jaipur