**Section II: Schedule of Requirements**

**eSourcing reference:** [ITB/2021/22787]

1. **Summary of Requirements**

UNOPS requirements are comprised of the following lots:

* Lot 1. Blood Collection bus – Quantity 1
* Lot 2. Blood Collection bus – Quantity 2

1. **Technical specifications for Goods and Comparative Data Table.**

N:B. The two lots are with respect to quantities for the same type of buses that have similar specification and hence only one of the two lots will be awarded in this process and UNOPS will decide which Lot to award considering the actual budget allocated for the project. UNOPS encourages vendors to submit bids for both lot

**Lot No 1: Blood Collection bus – Quantity 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No | UNOPS minimum technical requirements | Quantity | Is the bid compliant? Bidder to complete | Details of goods offered. Bidder to complete |
| 1 | **Item: Blood Collection Bus with 5 Beds.** | 1 | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **I** | **BASIC INFORMATION** |  |  |  |
| 1.1 | Seating capacity including driver - 5 to 6 |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 1.2 | Steering Orientation - LHD |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 1.3 | Pre-Delivery Inspection (PDI) should be carried out by supplier without any additional cost by the buyer |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 1.4 | Number of doors: minimum 1 front door with window for driver and donors,  and another door Equipped with an electric disabilities lifting device and door suitable for the disabilities and the elderly. ( Bidders should provide evidence e.g pictures or drawings) as to how the vehicles are accessible for elders and persons with disabilities) |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 1.5 | Seat belts - Seat belts installed per final design on all seats |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **II** | **ENGINE & TRANSMISSION** |  |  |  |
| 2.1 | Power Output (HP) - Min 220 hp or as manufacturer's standard |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.2 | Power at RPM (RPM) - 1500 or better |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.3 | Torque (Nm) - Min 800 Nm |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.4 | Number of Cylinders - 6 Cylinder |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.5 | Cooling system - Water cooled with audible and/or visual warning by overheating |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.6 | Aspiration - Aspiration, turbo and with High Altitude Compensator (HAC) if required to operate flawlessly in 2500 m altitude |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.7 | Fuel Type - diesel |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.8 | Fuel Tank capacity (Liters) - Min 250 L |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.9 | Fuel consumption - 30L/100Km or with better fuel consumption |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.10 | Emission Control- Maximum Euro 3 |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.11 | Forward gears - minimum 5 gears |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.12 | Transmission type - Manual |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **III** | **TYRE AND WHEEL** |  |  |  |
| 3.1 | Tyre, total number per unit (units) - 6 |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 3.2 | Spare wheel & tyre , total number per unit - 1 |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 3.3 | Type of Tyre - Tubeless tyre |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 3.4 | Wheel and tyre size as per manufacturer's standard and according to LI (Load Index) for GVW |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **IV** | **ELECTRICAL SYSTEM** |  |  |  |
| 4.1 | Alternator (A) - Minimum 80 |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 4.2 | Voltage (V)- Minimum 24 |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 4.3 | Battery capacity (Ah) - Minimum, 195Ah |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **V** | **BUS DIMENSIONS AND SETUP** |  |  |  |
| 5.1 | Ground Clearance - Minimum 16.5 cm |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.2 | Gross Vehicle Weight (GVW), maximum - Maximum 40,000 ( please indicate) |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.3 | Load capacity, kg - Please indicate |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.4 | Bus width - (inside cabin, minimum 2250 mm) , ( outside Maximum 2550 mm exclusive of mirrors) |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.5 | Bus length - inside cabin, minimum, 9500 mm |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.6 | Bus height inside - Minimum 1950 mm |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.7 | Approach and depart angle of mobile unit body must be adequate to operate the vehicle on poor non- asphalt paved gravel roads with potholes and Must indicate in bid |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.8 | Digital Clock |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.9 | Front screen laminated vehicle type |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.10 | Full lighting and horn system to make vehicle road legal and reversing alarm |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.11 | Side windows tempered |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.12 | Air condition (A/C) : Must work when the vehicle is driving and stationary. Must be able to maintain +20 to 24 C inside entire mobile unit cabin at any tropical temperature |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.13 | Blood donor collecting mobile unit based on standard bus with closed and appropriate rear box superstructure with windows or sliding door partition can be used in the middle of the vehicle to divide the vehicle into a blood collection area and a working area, with side windows on the sides |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.14 | Driver side window must be open slid able for hand signals and lockable |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.15 | Minimum 2 windows on each side of rear donor compartment (4 in total) and all frosted and tempered. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **VI** | **DONOR COMPARTMENT AND STORAGE AND COOLING FACILITIES** |  |  |  |
| 6.1 | Emergency exits: 2 windows (min 1 each side) must be of a size where an adult can slip through and the window must be easily broken with a hammer or otherwise and 2 emergency hammers must be attached inside and beside the window. OR An Emergency exists should exist as 2 emergency doors, minimum 1 each side, to be easily escaped from the bus. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.2 | Pedal dustbin, minimum 1 unit |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.3 | Must include a separate registration cum counselling table or behind the passenger door |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.4 | Ceiling LED lamps: Should be sufficiently distributed on the ceiling of the donation compartment, minimum 4000 lumen in total. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.5 | There must be a dedicated storage facility for Blood storage boxes. Must be connected to fixed power plugs at storage places. Must be secured while the vehicle is operated. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.6 | A minimum of two storage boxes should be provided with a software and alogger the boxes should be constantly controlled at 4±2℃, under any tropical conditions with temperature control accuracy of max 0.2℃. The boxes should als be able to work under AC: 90-264V/48-62Hz, DC: 11-42 V . The two boxes together should accommodate 100 blood bags that have a capacity of at least 0.450L. The blood boxes should be approved by WHO or other regulatory body of the country of manufacture and should also meet ISO9001 series quality system certification, & SO13485 medical device quality system certification. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.7 | The storage facility should also contain special blood storage refrigerator , built in with a capacity of minimum 70 litter, able to keep a temperature of 2 - 6 ℃ and which is sturdy model designed for mobile units and rough road conditions and should operate under 220/240 V 50 Hz |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.8 | Waiting area with bench seats for minimum 4 donors |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.9 | 5 units of beds or reclining seats to be used while donor is tapped for blood |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.10 | Each bed or reclining seats should have provision for placing blood bags while donor is giving blood |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.11 | Desk lamp on counselling table, 220/240 V AC 50 Hz LED minimum 800 lumen or 400 lux brightness on the table |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.12 | Stools for staff , minimum 2 , should have anti-slip, no wheel and shouldn't move ( should be secured) during operation of vehicle |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.13 | Storage facility cum table, Should have upper & lower storage cabinet, lockable during operation of the vehicle. ( Dimensions, minimum : Length 65 cm ) , ( Width minimum : 55 cm) , & ( Height minimum : 140 cm). Or, with a length, width and height that would provide equivalent overall area or volume or space with the required dimensions. Material: Formica or stainless steel or tick plywood ( minimum 18 mm) or other equivalent material. should be rigidly fixed to the floor. Should also have office type rolling chairs which are secured during operation of the vehicle x 2 units for staff. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.14 | Washbasin, stainless steel, with running water tap operated by foot activated valve and electrically driven pump from separate tank with capacity of minimum 180 Liter of water. Wastewater tank of minimum 190 liter. Should have separate storage facility for provision for and sanitizer, paper wipes |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **VII** | **LAVATORY ROOM** | |  |  |
| 7.1 | Should have side windows that should be opened manually to provide ventilation or with electric ventilator |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.2 | Liquid soap and paper towels dispenser |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.3 | Mirror, installed on wall |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.4 | Sink: For hand wash & armature with water, supplied from the common clean water tank. Should have cabinet underneath with shelves |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.5 | Toilet roll dispenser, one |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.6 | Coat hook, minimum one |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.7 | Light: LED, minimum 800 lumen or 400 lux brightness on the surface , ceiling mounted. Manual switch control |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.8 | Lockable door: To lock from inside and indicate if free or occupied |  |  |  |
| 7.9 | Pedal dustbin, one |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.10 | Toilet bowl: With or without an electric grinder |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.11 | Waste water outlet: Into common waste tank located under floor |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **VIII** | **ELECTRICAL SYSTEM** | |  |  |
| 8.1 | Awning,: Minimum 6-meter manual sunshade the side of the vehicle with unfolded size minimum 2.5 meters |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.2 | Dedicated power plugs 220/240 V AC 50 Hz for blood storage cooling boxes. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.3 | Electric board: Centralize electrical installations into a common board with all relevant on/off circuit breakers and on /off fuse blocks, HPFI relays etc. Provision for earthing/grounding of the mobile unit by earth spike or similar if necessary |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.4 | Finished floor should be surfaced with wear resistant material and should comply with standards for hospitals (resistant to antibacterial, antiseptics, chemicals and cleaning disinfectants) |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.5 | Power connection socket for external supply: Located easily accessible on the vehicle for external power supply and a manual cable reel with minimum 25 m grounded heavy duty industrial quality rubber covered cable with waterproof socket to allow connection to external power source (must comply with socket and plug systems for Ethiopia. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.6 | Auxiliary power plugs x 2 minimum - 220/240 V AC 50 Hz inside the vehicle |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.7 | Batteries and inverter for emergency backup: 12/24V back up batteries for donor blood coolers, emergency light, refrigerator back up for minimum 20 minutes ; with an option to be Automatically charged by generator set and/or vehicle (and/or PV solar system if fitted). to maintain backup for 12 hours |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.8 | Desk lamps, swivel type, LED, minimum 800 lumen or 400 LUX brightness on the table and counselling table or in order to save space it can be arranged on the nearby structure, operated under 220/240 V AC 50 Hz |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.9 | Emergency light illuminates automatically by power failure or the original bus battery is capable to provide emergency light |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.10 | Generator: It should be equipped with 1 unit of minimum 12.5 kva diesel ultra-quiet generator with a noise level of " maximum 70db(A) at 1 m distance. , or petrol operated generator provided that it shall be equipped with fuel storage tanker or stack of jerricans enough for 24 hours continuous operation; the generator capacity shall be minimum 12.5 kva or of a capacity enough to meet all the appliances load at the same time plus 10% over the total nominal load. It should be permanently installed and should have an electric starter and its own starter battery. A soundproof canopy, silent silencers and radiators, and effective vibration isolators must silence the equipment. The generator should be placed as vibration-free as possible in a sound-insulated space at the bottom of the bus. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.11 | Fuel tank suitable for minimum 24 hours of operation on continuous full load |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.12 | The exhaust system must be constructed to prevent accumulation of exhaust fumes under the vehicle or slipping into the vehicle via AC system. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.13 | Must include minimum indicators for voltage and ampere, oil pressure, engine temperature (where applicable) and operating hours. Must include a main electrical breaker and emergency stop button |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.14 | Electric supply to the appliances must be available at all times while the bus is stationary or moving |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.15 | System: All cables must be integrated in ducts in the bodywork. Manufacturer must provide a diagram of the entire electrical installation. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **IX** | **OTHERS** | |  |  |
| 9.1 | Owner’s manual for: - vehicle, air condition, blood cooling boxes, generator set |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.2 | Parts manual and repair manual for vehicle and relevant items installed ( if applicable) |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.3 | Lubrication system chart (where applicable). |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.4 | Electric installation chart. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.5 | Fire extinguisher, minimum 1 unit per each vehicle of minimum 6 Kg ABC. Fixed inside vehicle. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.6 | Tool set with jack suitable for vehicle at max GWV |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.7 | Warning triangle, 1 unit for each vehicle |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.8 | Warranty for vehicle: 1 year or 50,000 km, whichever comes first |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.9 | Suppliers must provide proof that the manufacturers are in possession of a valid ISO 14001 EMS certificate, or equivalent, for the factories in which the vehicles were produced |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.10 | Bidder should submit complete data sheet (product catalogue) and pictures and/ or drawings for the vehicle and ( also installed items if appropriate ) |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.11 | Bidders should confirm that at the time of delivering the bus , bidders should provide/submit a list of spare parts with quantity and unit price for the planning purpose of the end user. N:B. The price of these spare parts should not be included in the financial offer to be submitted using Form C: Price Schedule Form |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **XI** | **DELIVERY** | |  |  |
|  | Delivery : Bidder shall deliver goods within 24 weeks after contract signature DAP to the National Blood Bank Service, Addis Ababa, Ethiopia |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |

**Lot No 2: Blood Collection bus – Quantity 2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item No | UNOPS minimum technical requirements | Quantity | Is the bid compliant? Bidder to complete | Details of goods offered. Bidder to complete |
| 1 | **Item: Blood Collection Bus with 5 Beds.** | 1 | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **I** | **BASIC INFORMATION** |  |  |  |
| 1.1 | Seating capacity including driver - 5 to 6 |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 1.2 | Steering Orientation - LHD |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 1.3 | Pre-Delivery Inspection (PDI) should be carried out by supplier without any additional cost by the buyer |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 1.4 | Number of doors: minimum 1 front door with window for driver and donors,  and another door Equipped with an electric disabilities lifting device and door suitable for the disabilities and the elderly. ( Bidders should provide evidence e.g pictures or drawings) as to how the vehicles are accessible for elders and persons with disabilities) |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 1.5 | Seat belts - Seat belts installed per final design on all seats |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **II** | **ENGINE & TRANSMISSION** |  |  |  |
| 2.1 | Power Output (HP) - Min 220 hp or as manufacturer's standard |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.2 | Power at RPM (RPM) - 1500 or better |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.3 | Torque (Nm) - Min 800 Nm |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.4 | Number of Cylinders - 6 Cylinder |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.5 | Cooling system - Water cooled with audible and/or visual warning by overheating |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.6 | Aspiration - Aspiration, turbo and with High Altitude Compensator (HAC) if required to operate flawlessly in 2500 m altitude |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.7 | Fuel Type - diesel |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.8 | Fuel Tank capacity (Liters) - Min 250 L |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.9 | Fuel consumption - 30L/100Km or with better fuel consumption |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.10 | Emission Control- Maximum Euro 3 |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.11 | Forward gears - minimum 5 gears |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 2.12 | Transmission type - Manual |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **III** | **TYRE AND WHEEL** |  |  |  |
| 3.1 | Tyre, total number per unit (units) - 6 |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 3.2 | Spare wheel & tyre , total number per unit - 1 |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 3.3 | Type of Tyre - Tubeless tyre |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 3.4 | Wheel and tyre size as per manufacturer's standard and according to LI (Load Index) for GVW |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **IV** | **ELECTRICAL SYSTEM** |  |  |  |
| 4.1 | Alternator (A) - Minimum 80 |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 4.2 | Voltage (V)- Minimum 24 |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 4.3 | Battery capacity (Ah) - Minimum, 195Ah |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **V** | **BUS DIMENSIONS AND SETUP** |  |  |  |
| 5.1 | Ground Clearance - Minimum 16.5 cm |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.2 | Gross Vehicle Weight (GVW), maximum - Maximum 40,000 ( please indicate) |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.3 | Load capacity, kg - Please indicate |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.4 | Bus width - (inside cabin, minimum 2250 mm) , ( outside Maximum 2550 mm exclusive of mirrors) |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.5 | Bus length - inside cabin, minimum, 9500 mm |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.6 | Bus height inside - Minimum 1950 mm |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.7 | Approach and depart angle of mobile unit body must be adequate to operate the vehicle on poor non- asphalt paved gravel roads with potholes and Must indicate in bid |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.8 | Digital Clock |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.9 | Front screen laminated vehicle type |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.10 | Full lighting and horn system to make vehicle road legal and reversing alarm |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.11 | Side windows tempered |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.12 | Air condition (A/C) : Must work when the vehicle is driving and stationary. Must be able to maintain +20 to 24 C inside entire mobile unit cabin at any tropical temperature |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.13 | Blood donor collecting mobile unit based on standard bus with closed and appropriate rear box superstructure with windows or sliding door partition can be used in the middle of the vehicle to divide the vehicle into a blood collection area and a working area, with side windows on the sides |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.14 | Driver side window must be open slid able for hand signals and lockable |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 5.15 | Minimum 2 windows on each side of rear donor compartment (4 in total) and all frosted and tempered. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **VI** | **DONOR COMPARTMENT AND STORAGE AND COOLING FACILITIES** |  |  |  |
| 6.1 | Emergency exits: 2 windows (min 1 each side) must be of a size where an adult can slip through and the window must be easily broken with a hammer or otherwise and 2 emergency hammers must be attached inside and beside the window. OR An Emergency exists should exist as 2 emergency doors, minimum 1 each side, to be easily escaped from the bus. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.2 | Pedal dustbin, minimum 1 unit |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.3 | Must include a separate registration cum counselling table or behind the passenger door |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.4 | Ceiling LED lamps: Should be sufficiently distributed on the ceiling of the donation compartment, minimum 4000 lumen in total. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.5 | There must be a dedicated storage facility for Blood storage boxes. Must be connected to fixed power plugs at storage places. Must be secured while the vehicle is operated. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.6 | A minimum of two storage boxes should be provided with a software and alogger the boxes should be constantly controlled at 4±2℃, under any tropical conditions with temperature control accuracy of max 0.2℃. The boxes should als be able to work under AC: 90-264V/48-62Hz, DC: 11-42 V . The two boxes together should accommodate 100 blood bags that have a capacity of at least 0.450L. The blood boxes should be approved by WHO or other regulatory body of the country of manufacture and should also meet ISO9001 series quality system certification, & SO13485 medical device quality system certification. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.7 | The storage facility should also contain special blood storage refrigerator , built in with a capacity of minimum 70 litter, able to keep a temperature of 2 - 6 ℃ and which is sturdy model designed for mobile units and rough road conditions and should operate under 220/240 V 50 Hz |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.8 | Waiting area with bench seats for minimum 4 donors |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.9 | 5 units of beds or reclining seats to be used while donor is tapped for blood |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.10 | Each bed or reclining seats should have provision for placing blood bags while donor is giving blood |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.11 | Desk lamp on counselling table, 220/240 V AC 50 Hz LED minimum 800 lumen or 400 lux brightness on the table |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.12 | Stools for staff , minimum 2 , should have anti-slip, no wheel and shouldn't move ( should be secured) during operation of vehicle |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.13 | Storage facility cum table, Should have upper & lower storage cabinet, lockable during operation of the vehicle. ( Dimensions, minimum : Length 65 cm ) , ( Width minimum : 55 cm) , & ( Height minimum : 140 cm). Or, with a length, width and height that would provide equivalent overall area or volume or space with the required dimensions. Material: Formica or stainless steel or tick plywood ( minimum 18 mm) or other equivalent material. should be rigidly fixed to the floor. Should also have office type rolling chairs which are secured during operation of the vehicle x 2 units for staff. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 6.14 | Washbasin, stainless steel, with running water tap operated by foot activated valve and electrically driven pump from separate tank with capacity of minimum 180 Liter of water. Wastewater tank of minimum 190 liter. Should have separate storage facility for provision for and sanitizer, paper wipes |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **VII** | **LAVATORY ROOM** | |  |  |
| 7.1 | Should have side windows that should be opened manually to provide ventilation or with electric ventilator |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.2 | Liquid soap and paper towels dispenser |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.3 | Mirror, installed on wall |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.4 | Sink: For hand wash & armature with water, supplied from the common clean water tank. Should have cabinet underneath with shelves |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.5 | Toilet roll dispenser, one |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.6 | Coat hook, minimum one |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.7 | Light: LED, minimum 800 lumen or 400 lux brightness on the surface , ceiling mounted. Manual switch control |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.8 | Lockable door: To lock from inside and indicate if free or occupied |  |  |  |
| 7.9 | Pedal dustbin, one |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.10 | Toilet bowl: With or without an electric grinder |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 7.11 | Waste water outlet: Into common waste tank located under floor |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **VIII** | **ELECTRICAL SYSTEM** | |  |  |
| 8.1 | Awning,: Minimum 6-meter manual sunshade the side of the vehicle with unfolded size minimum 2.5 meters |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.2 | Dedicated power plugs 220/240 V AC 50 Hz for blood storage cooling boxes. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.3 | Electric board: Centralize electrical installations into a common board with all relevant on/off circuit breakers and on /off fuse blocks, HPFI relays etc. Provision for earthing/grounding of the mobile unit by earth spike or similar if necessary |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.4 | Finished floor should be surfaced with wear resistant material and should comply with standards for hospitals (resistant to antibacterial, antiseptics, chemicals and cleaning disinfectants) |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.5 | Power connection socket for external supply: Located easily accessible on the vehicle for external power supply and a manual cable reel with minimum 25 m grounded heavy duty industrial quality rubber covered cable with waterproof socket to allow connection to external power source (must comply with socket and plug systems for Ethiopia. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.6 | Auxiliary power plugs x 2 minimum - 220/240 V AC 50 Hz inside the vehicle |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.7 | Batteries and inverter for emergency backup: 12/24V back up batteries for donor blood coolers, emergency light, refrigerator back up for minimum 20 minutes ; with an option to be Automatically charged by generator set and/or vehicle (and/or PV solar system if fitted). to maintain backup for 12 hours |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.8 | Desk lamps, swivel type, LED, minimum 800 lumen or 400 LUX brightness on the table and counselling table or in order to save space it can be arranged on the nearby structure, operated under 220/240 V AC 50 Hz |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.9 | Emergency light illuminates automatically by power failure or the original bus battery is capable to provide emergency light |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.10 | Generator: It should be equipped with 1 unit of minimum 12.5 kva diesel ultra-quiet generator with a noise level of " maximum 70db(A) at 1 m distance. , or petrol operated generator provided that it shall be equipped with fuel storage tanker or stack of jerricans enough for 24 hours continuous operation; the generator capacity shall be minimum 12.5 kva or of a capacity enough to meet all the appliances load at the same time plus 10% over the total nominal load. It should be permanently installed and should have an electric starter and its own starter battery. A soundproof canopy, silent silencers and radiators, and effective vibration isolators must silence the equipment. The generator should be placed as vibration-free as possible in a sound-insulated space at the bottom of the bus. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.11 | Fuel tank suitable for minimum 24 hours of operation on continuous full load |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.12 | The exhaust system must be constructed to prevent accumulation of exhaust fumes under the vehicle or slipping into the vehicle via AC system. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.13 | Must include minimum indicators for voltage and ampere, oil pressure, engine temperature (where applicable) and operating hours. Must include a main electrical breaker and emergency stop button |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.14 | Electric supply to the appliances must be available at all times while the bus is stationary or moving |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 8.15 | System: All cables must be integrated in ducts in the bodywork. Manufacturer must provide a diagram of the entire electrical installation. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **IX** | **OTHERS** | |  |  |
| 9.1 | Owner’s manual for: - vehicle, air condition, blood cooling boxes, generator set |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.2 | Parts manual and repair manual for vehicle and relevant items installed ( if applicable) |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.3 | Lubrication system chart (where applicable). |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.4 | Electric installation chart. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.5 | Fire extinguisher, minimum 1 unit per each vehicle of minimum 6 Kg ABC. Fixed inside vehicle. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.6 | Tool set with jack suitable for vehicle at max GWV |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.7 | Warning triangle, 1 unit for each vehicle |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.8 | Warranty for vehicle: 1 year or 50,000 km, whichever comes first |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.9 | Suppliers must provide proof that the manufacturers are in possession of a valid ISO 14001 EMS certificate, or equivalent, for the factories in which the vehicles were produced |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.10 | Bidder should submit complete data sheet (product catalogue) and pictures and/ or drawings for the vehicle and ( also installed items if appropriate ) |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 9.11 | Bidders should confirm that at the time of delivering the bus , bidders should provide/submit a list of spare parts with quantity and unit price for the planning purpose of the end user. N:B. The price of these spare parts should not be included in the financial offer to be submitted using Form C: Price Schedule Form |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **XI** | **DELIVERY** | |  |  |
|  | Delivery : Bidder shall deliver goods within 24 weeks after contract signature DAP to the National Blood Bank Service, Addis Ababa, Ethiopia |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |

1. **Delivery requirements and Comparative Data Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **UNOPS Requirements** | | **Is bid compliant?** Bidder to complete | **Details**  Bidder to complete |
| **Delivery time** | Bidder shall deliver the goods within 24 weeks after Contract signature | ☐ Yes ☐ No | Insert details |
| **Delivery place and Incoterms rules** | DAP (including handling custom clearance at destination) National Blood Bank Service, Addis Ababa, Ethiopia. As per Incoterms rules as per Incoterms 2010. N:B Consignee will provide all required documentation and cover the custom duties and supplier will handle the clearing process. | ☐ Yes ☐ No | Insert details |
| **Consignee details** | Will be communicated to the awarded vendor | ☐ Yes ☐ No | Insert details |
| **UNOPS Right to vary requirements** | N/A | ☐ Yes ☐ No | Insert details |

1. **Inspections and tests**

The following inspections and tests shall be performed:

The vendor must have the goods inspected in the manufacturer’s works by a competent authority and submit a test certificate and also a guarantee/warranty certificate that the goods conform to written specifications.

If required, UNOPS or its representative may inspect and/or test the goods to confirm their conformity to the contract, prior to dispatch from the manufacturer’s premises. Such inspection and clearance will not prejudice the right of the consignee to inspect and test the goods on receipt at destination.

If the goods fail to meet the laid down specifications, the supplier shall take immediate steps to remedy the deficiency or replace the defective goods to the satisfaction of the purchaser.