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| **MINISTRY OF NATIONAL HEALTH SERVICES REGULATIONS & COORDINATION**  **GOVERNMENT OF PAKISTAN** | LOGO.jpg |
| **PRODUCT VOCABULARY MEDICAL STORE(PVMS) OF AMBULANCE -2022** |  |

# Ministry of National Health Services Regulation & Coordination

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**SPECIFICATIONS AMBULANCES**

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| **S. No.**  **(I)** | **Description / technical Specifications**  **(II)** |
| **01** | **Fully equipped**  **Air-Conditioned Ambulances**  **GENERAL**  Ambulance offered should be from the manufacturer’s own range of production of vehicles with integrated cabin, Right- Handed Drive to be used in Pakistani environment. The ambulances should be suitable for the continuous operation in tropical areas having strong aftersales network especially Rawalpindi/Islamabad, region. The spare parts of the quoted brand shall be available in the market.  **MODEL**  Latest, Current Production.  High Roof, Long Chassis, integral cabin Van type.  **CLASS**  Two rear wheel drive (4x2) type.  **ENGINE TYPE**  Four cylinders Diesel type; equipped with CDI/DOHC, 16 Valve system. Minimum Euro-II emission standard’s compliant.  **ENGINE DISPLACEMENT**  Turbo charged 2,200 cc- 3,000 cc. Manual Transmission with floor/steering lever mounted gear’s system.  **AIR FILTER ASSEMBLY**  Above floor level with easy access  **Fuel Tank Capacity**  Minimum 65 l (+ -5%)  **AIR-CONDITIONER AND HEATER**  Fully air-conditioned (Dual type, originally fitted) and standard heater.  **AMBULANCE STRUCTURE**   * Payload: 800kg or more * Overall Length: 10 ft or more * Overall Width: 5.5ft or more * Overall Height: 5ft or more   **STEERING**  Electronic/Hydraulic Power steering, Right-Handed Drive.  **BRAKES**  Hydraulic/ pneumatic ABS type.  **STANDARD ACCESSORIES**  Tool Kit, Spare heel, Fog light, Front Airbag (Both),  Standard instruments and accessories including digital clock, wheel cap, mudguard etc.  Front seat safety belts.  Accessory Connector 12V+1 for Driver only  Dry Powder Fire Extinguisher Vehicle Manual  **WARRANTY**  Compressive Warranty for Three Years or 100,000 km with standard consumables replacement.  **AMBULANCE COMPONENTS, EQUIPMENTS AND ACCESSORIES OUTSIDE DESIGN**  Outside signage and word “AMBULANCE” on front and rear sides reflective vinyl stickers.  Name & Logo etc. of institution on right and left sides in reflective vinyl stickers. (Design shall be given/approved by the Health Department, ICT, Islamabad before pasting).  **GLASS WINDOW FROSTING**  Side and back windows glasses of patient compartment partially frosted with opaque vinyl sticker.  **SPINE BOARD**  Spine Board Fiberglass in orange color with straps, seamless design. Load capacity 150 kg.  **FOLDING STRETCHER**  Aluminum alloy dual fold away stretcher. Center folding for easier storage.  PVC coated orange parachute cloth.  **SQUAD BENCH**  Three persons squad bench with sturdy material seat with back support including underneath storage area with seat belts to be fixed over the storage box.  **ONE PERSON MEDICAL STAFF SEAT**  One emergency medical service provider (EMSP) Seat sliding, ergonomically correct seat back with lumbar support, minimize neck and back injuries with the extra headrest. Cover with easy clean vinyl upholstery. 3-point safety-belt for maximum safety and seating comfort.  **MAIN STRETCHER**  Self-loading stretcher.  Made of high strength aluminum alloy, thick wall pipes. Locking system in the vehicle at front and side of the stretcher.  Dimension (L x W x H) approx.  190 x 55 x 25 cm (High position) approx.  190 x 55 x 25 cm (Low position) approx.  4+2 loading wheels and adjustable head section.  Mattress/ PU 2” thick with special quality foam. Upholstered with special quality washable vinyl; single piece.  Provision to accommodate the Spine Board on the bedding area.  Safety belts and side guards. Loading capacity 140kg or more. Lockable wheels.  Stainless Steel Platform under stretcher.  **MAIN MEDICAL CABINET**  Medical Cabinet with integrated Oxygen Cabinet on the street-side with compartments for holding the items securely with poly carbonated made sliding doors. A quick- strap system for Oxygen Cylinders (2 x 48 cu.ft) to be provided inside the cabinet. BS Bull nose type for medical oxygen cylinder. Space for one additional oxygen cylinder.  **FLOORING**  The Flooring to be cover with marine-grade plywood, min 12mm thick, heavy-duty vinyl anti-slip, anti-static and liquid-proof. The vinyl is isolated with polyurethane foam material and fire-resistant insulation.  The vinyl sheet must have raised edges for ensuring complete seal from all sides with silicon for making it water proof.  **WIRING FOR WIRELESS SYSTEM AND TRACKER SYSTEM**  Separate wiring for tracker & wireless communication system alongwith the provision for wireless and mobile antenna as approved by the end user (Optional)  **Low oxygen alarm.**  Oxygen Pressure Gauge to monitor the pressure of cylinders with low pressure alarm.  **LED spot Lamp** with flexible neck for patient examination.  **Scrum hangers** (I.V holders for intravenous infusion set).  **FIRE EXTINGUISHER**  Fire extinguisher; dry chemical type, 2 x 2kg capacity, placed in patient Compartment with quick release bracket.  **ELECTRICAL SYSTEM**  In addition to electrical system of the ambulance, the extra wiring and lighting should be of International Standards.  Strobe light; Light-bar (2 x 35 watt, red color LED Light). Combination of LED light bar, amplifier, microphone speaker (100-150 watt) and siren.  Warning Lights on both top ends at rear side of the Ambulance in red & Blue color; flashing.  Rear view camera with 7” LCD display in the driver’s cabin. Back Search Light for patient handling at night hour.  Extra LED ceiling lights in the patient compartment. Control of all lights in driver compartment.  Inverter 12V DC to 220 AC of 400 W capacity to be fitted inside the compartment with sockets at different locations for plugin the equipment with minimum 100AH additional maintenance free battery with automatic charging system.  **UTILITY PANNEL/CONSOL**  Utility panel containing;  Oxygen delivery through 2x outlets (BS type) with tubing and piping attached to Oxygen cylinders. 03-Electric sockets for 220V/50HZ supply.  Sphygmomanometer aneroid type with dial of 5”-6” with cuffs adults and paeds size. Storage basket/compartment for cuffs, stethoscope, Littman type, dual head type.  Humidifier, Flow meter, Pressure Gauge, Regulator, Masks.  **Suction apparatus,** Oxygen driven (venturi mechanism) with mounting brackets. The system should also include a Highly efficient silencer to guarantee an appropriate level of comfort for the users and a 300-500ml bottle autoclave able.  **PARTITION WALL**  Partition wall in between driver and patient compartments. Approx. ¾”/16 mm thick wall MDFC) coated with plastic/ fiber glass material.  Aluminum framed window with sliding glasses (approx. 24” x 12”).  **WATER PROVISION**  Water tank of approx... 5 to 10 liters along with Basin.  S.S. material Water Tap, Soap Dispenser & Tissue Roll, mounted on the wall above the washbasin.  **CLINICAL KIT BAGS/ BOXES**  Following Bags/ Boxes shall be provided in empty form for pulling the below mentioned items.  The box items are mentioned so that the suitable size according to the Bag/Box shall be included for Kidney Trey SS 8" Needle holder (01). Artery Forceps (02), Toothed  Forceps (01), Tourniquets (04). Tissue Scissor (01), Sponge Holder (01) Dressing Scissor (01). Crepe Bandages small & large (02 each), Gauze Packs large (04), catgut 2/0 (05). Crepe Bandage (4"= 01 6"= 01), Pyodine Solution (01), Dressing Scissor (01). Pyodine Powder (01), 4x4 Gauze Pad (04), Sticking 1" (0 2), Antiseptic wipes 01 box:  **WASTE CONTAINER**  Stainless steel of 5-10 liters capacity with lid; foot operated. Attached to the floor of the ambulance.  Removable and washable inner lining.  **AUTOMATIC EXTERNAL DEFIBRILLATOR**  Fully automatic external defibrillation. Truncated Exponential Biphasic current. Waveform parameters adjustable as per function of individual patient's impedance. Should deliver 200 joules peak energy. Adhesive multifunction defibrillator pads (04 adult and 01 paeds).  Rechargeable battery with indicator of charge. Case for wall hanging.  **PULSE OXIMETER**  Pulse Oximeter with color display. Digital Display of Oxygen saturation.  Reusable finger probes for adult and paeds.  Internal battery for at least three hours backup time  **NEBULIZER**  Desk top model.  Nebulizer air compressor/ ultrasonic based. Particle size less than 5 micron.  Nebulizing rate of 0.5-1.0 ml/min. Complete with tubing and masks.  220V/50Hz/12VDC operated.  **EMERGENCY LIGHT**  Portable; Rechargeable  **RESUSCITATION KIT**  Manual resuscitators, Silicon (re-usable type), Adults and Paeds sizes Manual, hand held Suction Unit.  Laryngoscope, Fiber optic with dry battery handle having straight and curved blades set.  Endotracheal, tubes all sizes. Professional torch.  Tongue depressor, disposable (one pack). Airway assorted sizes: one set.  Mouth Gag. Tongue Forceps.  Disposable Gloves- set of 100 Nos. Non-contact Digital Thermometer: 02 Complete with hard carrying case. |

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| **S.** | **Parameter** | **Max** | **Points** |
| **No.** | **Points** |  |
| **1** | **After Sales Services Capability in Islamabad/Rawalpindi of Bidder** | **20** |  |
|  | 1. Qualified & Trained Personnel;    * with local training and at least two years’ experience (4 points/person)    * Foreign factory trained personnel | 06  4 |  |
|  | b) Service Workshop |  |  |
|  | * with covered area of ≥ 200sqft & Proper Workbench | 2 |  |
|  | * with covered area of < 200sqft & Proper Workbench | 2 |  |
|  | c) Tools |  |  |
|  | * General & Specialized Tools for installation, diagnosis, service and calibration | 2 |  |
|  | * General Tools only | 2 |  |
|  | d) Branch Office with Service Workshop (1 point/branch) | 2 |  |
| **2** | **Performance & Experience of Bidder** | **10** |  |
|  | a) ISO 9001 Certified | 1 |  |
|  | b) Bank Account Maintenance Certificate |  |  |
|  | * Accumulative annual transaction of ≥ PKR 100 million or; | 2 |  |
|  | * Accumulative annual transaction of ≥ PKR 50 million Pak Rupees or; | 2 |  |
|  | * Accumulative annual transaction of < PKR 50 million Pak Rupees | 1 |  |
|  | c) Purchase Orders |  |  |
|  | * Single order total worth ≥ PKR 75 million rupees | 1 |  |
|  | * Single order total worth ≥ PKR 25 million rupees or; | 1 |  |
|  | * Single order total worth ≥ PKR 10 million rupees or; | 1 |  |
|  | * Single order total worth < PKR 10 million rupees | 1 |  |
| **3** | **Conformity to the Technical Specifications** | **50** |  |
|  | a) Fully compliant with the required specifications | 30 |  |
|  | b) Compliant with minor deviation ≤ 10% from the required specifications | 20 |  |
|  | *subject to main function is not affected* |  |  |
|  | c) Major deviation(s) from Tender Specifications | 0 |  |
|  | *4 minor deviations will be considered as a major deviation* |  |  |
| **4** | **Vehicle/ Ambulance Manufacturer** | **10** |  |
|  | a) Manufacturer’s Authorization to Bidder | 3 |  |
|  | b) Experience of Vehicle Manufacturer with Service workshop at 3S dealers |  |  |
|  | * ≥ 10 years | 3 |  |
|  | * ≥ 5 years and < 10 years | 1 |  |
|  | c) Experience of Ambulance Manufacturer |  |  |
|  | * Manufactured ≥ 20 units | 2 |  |
|  | * Manufactured ≥ 5 units and < 20 units | 1 |  |
| **5** | **Quoted Brand’s Performance** | **10** |  |
|  | a) References of OEM brand / model |  |  |
|  | i) Government / Semi-Government Teaching Hospital / Institute/Rescue  Services | 2 |  |
|  | ii) Armed Forces / NGOs Hospital / Institute | 1 |  |
|  | iii) Private Renowned Teaching Hospital / Institute | 1 |  |
|  | iv) International Hospital / Institute | 1 |  |
|  | b) Satisfactory Reports/Certificates of quoted brand (1 point/copy) | 5 |  |
|  | **Total Points** | **100** |  |