

Fabrication for Mobile Van

No	TENDER SPECIFICATION	Remarks
A	Fabrication and Interiors of ambulance as under	
	• Colour- To complement the basic design of ambulance in reference.	
	• Linings of wall, roof-fibre reinforce profile i.e. fibre sheets with provision for mounting of light, equipments, electrical switches. It should have a good thermal and acoustic barrier. Insulation should be of polyurethane, Hi-tech	
	• Flooring- (1) Antiskid <u>(ANTI ACIDIC STAIN FREE VINYL)</u> flooring (2) Colour match with interiors	
	• Window curtains- Self-winding sunshade curtains on side windows and its colour should match with interiors.	
	• Doctor's Chair- Reclining with Headrest Adjustable Covering should be of Soft leather (Form Cover) with seat belt	None
	• Waste bin * Single, Detachable	
	• Wash Basin - Foot operated <u>(FULLY STAINLESS STEEL)</u> Wash Basin provided with two taps With a provision for collection of used-discarded water, waste. Storage S.S. water Tank 10-12 litres for fresh hygiene drinking water and hand wash tank.	
	• Attendant's seat 3 seater with head and back rest with flat belts. Location of 3 seater - as per your specification	None

421007

• Fire extinguisher - 2 Nos.	2 Nos
• Driver cabin fan and patient cabin fan (2+2)	2-2
• Napkin towel stand (RING)	
• Liquid Soap Stand (dispenser)	
• Tube light and wall clock	
• Wide Foot step entry in rear end	
• Fog light	
• First aid kit in aluminium box with contain list	
• Rear flood light	
• Emergency light bars	
• Exhaust fan	
• Integrated halogen spot lamp in the roof with directional control	
• I.V. Fluid rail-to be installed 3 in numbers. hooks type - 2 Nos.	2 NOS
• Side mirror big size for driver	1 nos
• Exterior art work as per hospital design	
• Roof hand rail with 3 hanging supports	1 nos
• Cupboards -	
1. Laminated light coloured finish for the cupboard matching with the interior.	
2. Labelling of place for equipments, drugs, medical accessories in the Cupboard. <u>(WITH SPECIAL FIXTURE OF TRANSPORTATION)</u>	
3. Lockable shutters of the cupboard.	
4. Opening of cupboards should not make any hindrance with the patients and doctors movements, equipment operations should be provided with magnetic lock.	
5. Separate Cabinet made of FRP should provide for equipment so to isolate equipment from other patient handling system. <u>(AND INTERGATED STORING CONSOLE INSIDE THE PATIENT CABIN)</u>	
6. <u>Mounting support /stand medical equipment & infusion pump with plug socket facility in cupboard</u>	
B ELECTRICAL SYSTEM AND POWER BACK UP	
Electrical system should be able to take load of various equipments installed in the ambulance as per specification enclosed. The details specifications are as follows.	
(i) Sockets (15 Amp), switches in each corner of ambulance and total No. of sockets, 220 V, AC (5) and 12V DC (4 sockets).	
(ii) Sockets and switches for each medical equipment as specified. Site of Socket and Switches, next to oxygen outlet panel.	
(iii) Proper illumination of inside of ambulance on the roof and side panel and should be controlled by Central Control panel with ISI Switches.	
(iiii) <u>(DIFFUSE LIGHTNING IN THE PATIENT CABIN FOR GENERAL LIGHTNING)</u>	

- (iv) Wiring to be fire resistant type (ISI).
- (v) Wiring to be equipped with safety fuses (MCB). Electrical overload protection to be installed.
- (vi) Provision for AC and DC points for charging the equipments (on battery mode).
- (vii) 800 VA inverter ISI to be installed for use when vehicle in standing idle. (WITH LATEST DESIGN INVERTER ABLE TO SUPPORT ALL EQUIPMENTS REQUIRING ELECTRICAL SUPPLY IN THE AMBULANCE ATLEAST FOUR HOURS)
- (viii) Existing alternator to be upgraded to an alternator of 135 Amp, which is enough to handle electrical load of ambulance. The mounting system of alternator should be modified to house the bigger alternator.
- (ix) Sirens-Blinders-Alarms. The ambulance should be equipped with latest high intensity 2 tone blinking alarm and emergency light system. (ALARM IN THE DRIVER CABIN IF THE PATIENT CABIN DOOR IS OPEN)
- (IXA) The alarm system should have a public address system as an additional feature. The blinker should be mounted on all the three sides of ambulance and equipped with 11 fibre coiled high intensity blinkers. (PA SYSTEM WITH SOUND LEVEL UPTO 120-130DB AND WITH <5% SOUND DISTORTION FACTOR) having separate amplifier unit with all the control in driver cabin
- (x) Trimmings – All trimming should be done with maximum of stainless steel, non magnetic and heavy aluminium sections fastened in place with pop rivets/solid rivets and self threading screws.
- (xi) Partition wall between drivers with rest of ambulance should be of fibre with insulation. The partition wall should have a sliding glass window to insure easy communication between driver and doctor.
- (xiii) An intercom to be installed for communication between doctor & driver in their respective cabins.
- (xiv) Small chiller cum Refrigerator
- (xv) Auto cut off manual device of electrical device
- (xvi) Pressure switches 2 nos.
- (xvii) Buzzer 2 nos.
- (xviii) Indicating lights LED type 4 nos.
- (xix) Interconnecting fitting and wiring etc. LOT

C CENTRAL PIPELINE AND OXYGEN SYSTEM 1.

- Provision for ventilator and mask ventilation for 12 hours with all accessories.
- OXYGEN GAS PIPE LINE SYSTEM WITH TWO JUMBO CYLINDER SYSTEM CONSIST OF THE FOLLOWING 2NOS PENLON UK MAKE CE MARKED BS EN 737 CERTIFIED 100% METAL CONSTRUCTION GAS

OUTLET POINTS WITH SS. PROBE 1NOS PENLON UK MAKE CE MARKED ANODIZED ALUMINIUM BODY IMPORTED WITH LOW + HIGH ALARM INDICATION AND PRESSURE GAGUE INDICATOR 1 SET OXYGEN MANIFOLD (2 BANK) WITH FLEXIBLE COPPER TAIL PIPE 5 METERS PENLON UK MAKE CE MARKDED EN 739 CERTIFIED IMPORTED HIGH PRESSURE ANTISTATIC COLOR CODED RUBBER TUBE 02 NOS OXYGEN DOUBLE STAGE HIGH PRESSURE OXYGEN REGULATORS 2 NOS D TYPE JUMBO FILLED OXYGEN CYLINDERS WHICH WILL BE FITTED OUTSIDE THE VEHICLE WILL BE PROVIDED OUTLET POINTS O2 FLOW METER H.P. TUBE MUST BE FROM ONE MAKE SOURCE FOR EASY COMPATIBILITY Oxygen flow meter with humidifier 1 no.

- E
- AIR CONDITIONING AND HEATING FACILITY IN PATIENT CABIN (PLEASE SPECIFY BRAND NAME ONLY JAPAN MAKE)
1. The ambulance should be equipped with SINGLE DUCT concealed air conditioning (with double blower system).
 2. The compressor should be ISI make
 3. The condensers equipped with super heavy induced magnetic motors, which is safe for operations in high moisture and high temperature (Spray resistant).
 4. Airflow should be concealed directed with 2 independent blowers. One from front and the other from rear.
 5. **HEATING** Separate 220 heating blower should be provided for patient cabin temperature.
Teflon with braided stainless steel to ensure no leak & better longer life.
LOT