



health

Department:
Health
REPUBLIC OF SOUTH AFRICA

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DEPARTMENT OF HEALTH – EMERGENCY MEDICAL SERVICES

SPECIFICATION MOBILE INTENSIVE CARE UNIT (M.I.C.U.) AMBULANCE CONVERSION

1	SCOPE	DETAILS OF OFFER
	This specification establishes the requirements for the ambulance conversion for purposes of a Mobile Intensive Care Unit.	..... ..... ..... ..... .....
2	APPLICABLE DOCUMENTS	
	<p>The onus rests with the prospective TENDERER to avail himself/herself of the following documents which form part of this specification:</p> <p>2.1 National Treasury General Conditions of Contract.</p> <p>2.2 Special Conditions of Contract RT57.</p> <p>2.3 The Hazardous Substance Act, Act No. 15 of 1973.</p> <p>2.4 National Road Traffic Act, Act 93 of 1996.</p>	..... ..... ..... ..... .....

	degree rotation seat, other seat to be flip-up wall mounted;	..... .....
	• Automotive retracting type seat belts to be fitted to both attendant seat as well as all patient seats;	..... ..... .....
	• Overhead grab handle fitted at sliding door;	
	• Built-in hand washbasin complete with 12VDC electric pump and 50-litre reservoir;	..... .....
	• Side and rear entry doors are to be supplied on hydraulic mechanisms;	..... ..... .....
	• Minimum of 3 high quality hinges per door;	
	• Side and rear doors to be lockable and fitted with frosted shatterproof glass windows;	..... ..... .....
	• Side window dimensions approximately 1200mm x 570mm with shatterproof glass must be fitted to either side of the box;	..... ..... ..... .....
	• A top third shatterproof sliding window will be positioned centrally on each side with an interior locking device and tinted;	..... ..... .....
	• Lower two-thirds of windows shall be fixed and frosted;	..... .....
	• Window gaskets will be rubberized fabric-covered moulded sponge rubber of high quality;	..... .....
	• Internal height not less than 1800mm;	..... .....
	• Internal length not less than 2800mm;	
	• External width shall be the same as the cab up to a maximum of 150mm more than the cab;	..... ..... .....
	• Fixed step must be fitted;	
	• Floor height not to be more than 750mm above ground level;	..... .....

[illegible]

	• All ambulance interior wiring to be a minimum of 2,5mm;	..... .....
	• Original vehicle wiring as standard;	.....
	• A reverse warning device will be supplied and connected;	..... .....
	• A wiring diagram is to be provided with each vehicle conversion;	..... .....
	• At least 12 interior L.E.D. compartment lights flush mounted with the ceiling to be fitted;	..... .....
	• Four 12 VDC outlets;	.....
	• Step well light with automatic on/off switch;	.....
	• 120 CFM exhaust fan;	.....
	• Air-conditioning unit of at least 9000 Btu 220DAV to be supplied and fitted;	..... .....
	• Vehicle must include the supply and installation of an effective air sanitiser, similar or equivalent to the SANI 18 Ambulance Unit that is effective against micro-organisms up to Fungal Spore level in an area of approximately 22 cubic metres.	..... ..... ..... ..... ..... .....
	• 2 radios, supplied by the end-user department must be flushly fitted (one in the crew cab and one in the patient compartment);	..... ..... .....
	• 200 Watt engine mounted siren system to be mounted in the engine compartment of vehicle with the 2 speakers facing forward;	..... ..... ..... .....
	• Siren control unit to be mounted in cab of vehicle for ease of use by driver;	..... ..... .....
	• Siren tones to be controlled by hand and tones to be interchangeable via hooter;	..... ..... .....

[illegible]

- i) Total length
- ii) Loading height
- iii) Window/s position/s and dimensions
- iv) Overall height
- v) Load distribution of complete Ambulance from body builder

3. Rear view of Ambulance showing:

- vi) Door dimensions
- vii) Interior dimensions
- viii) Plan view of Ambulance with proposed lay-out of equipment
- ix) Detail of attachments to hold drip bottles and stretcher anchoring devices
- x) Detailed drawing of body construction showing material used and dimensions
- vi) Diagram of battery linking (management system)

9. ADDITIONAL ACCESSORIES AVAILABLE

It is a requirement from the end users to have the following accessories available as optional extras when ordering a vehicle.

1. Squad bench or 2/3 seats facing forward
2. Two in one seat option for passengers
3. All seating triangular safety bealt / three point or 4 point harness safety bealts
4. Strobe light as compulsory and without gizwag
5. Flashing red connected to the back door of the ambulance
6. Separate switches for lights inside passenger compartment
7. Heater/ Aircon in passenger compartment
8. Optional bull bar to meet the following requirements –
 - a. comply to vehicle safety features
 - b. should be OEM approved,
 - c. should have the option of not reducing the ground clearance of the vehicle
 - d. additional lights.
9. Mobile, collapsible hand washing unit to be added on as an optional with the capacity of 5 l. The unit should be fitted with a thermostat between 20 and 30 degrees.
10. Inverter should be standard (pure sine wave) minimum of 1500 Watt
11. Three point and two point plug
12. A self load stretcher or as otherwise stipulated on contract RT4 for the procurement of medical equipment.