

Technical Specification for 4WD Ambulance

Client name: बकेया गाँउपालिका गाँउकार्यपालिकाको कार्यालय, हात्तिसुडे, मकवानपुर

S.N	Criteria	Requirement	Offered Specification
1.	General	Hard Top Jeep, 4WD, Right Hand Drive Model suitable for driving in ON-ROAD condition giving smooth economic performance and in OFF-ROAD conditions capable of delivering strong adequate traction and maneuverability/stability needed for safe driving in rough, sandy or slippery and hilly road conditions in Nepal at an altitude up to 2500 meter and in ambient temperature between -5°C to 50°C. Gross Vehicle Weight should not be less than 2500 kgs and shall have seating capacity for at least driver, co-passenger and patient.	Make: Model: Country of Origin:
2.	Engine	Diesel Engine, developing Maximum rated power output not less than 70 BHP at rated rpm and maximum torque should not be less than 180 Nm at rated rpm. Engine displacement not less than 2400 cc. engine fully equipped with accessories for efficient full load operation of the vehicle at operating conditions.	Engine: Power: Torque:
3.	Wheel base	Not more than 3050 mm	
4.	Overall Length	Not more than 5120 mm	
5.	Emission Standard	The emission standard of the offered vehicle must be in compliance with or superior than the applicable Standard as prescribed by Nepal Vehicle Mass Emission Standard, which is to be certified by Department of Transport Management	
6.	Gauges	To include all the gauges, indicators, signals, necessary for efficient operation, functional, monitoring, vehicle performance and maintenance that includes (but not limited to) water temperature, fuel, oil pressure, transmission gauge, etc. with all standards items of offered model vehicle necessary for efficient operation and maintenance.	
7.	Clutch	Standard	
8.	Transmission	Manual shift, at least five forward and One reverse, floor mounted engaged through control at driver seat	
9.	Ground clearance	High ground clearance preferred, minimum 180 mm.	
10.	Suspension	Double wishbone/telescopic/shock absorber/Anti roll bar/stabilizer bar/coil spring/hydraulic double acting/five link type suspension/MacPherson/Multi-	

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		link or equivalent. Suitable for toughest terrain, smooth ride, stable handling and comfortable driving conditions.	
11.	Tires	Standard size	
12.	Steering	Power Steering	
13.	Brakes	Front ventilated disc type, rear drum/disc type, hydraulic operated on all wheels and parking brake dual circuit preferred.	
14.	Cab	2 side doors and 1 back door, all metallic cab with insulated roof, laminated glass windscreen, front washer and wipers, glass windows on doors, proper ventilation, comfortable and adjustable seats for driver and co-passenger. Sun visor, rear view mirror and two side view mirror.	
15.	Chassis and frame	Heavy duty metal frame.	
16.	Essential Accessories	1. Head light, tail and rear light, reversing light and turn signals 2. Cabin lights. 3. Speedometer / odometer 4. Spare wheel with tire and tube. 5. Suitable jack with handle 6. Seat belt for driver and co-driver 7. Flashing light on top (as per Nepal standard) 8. Anti-skid floor equipped with all accessories offered in standard model but not limited to the above items.	
17.	Emergency equipment	1. Stethoscope 2. B.P Set 3. Torch Light 4. Tongue Depressure 5. IV drips 6. Cannula and Syringes 7. ECG monitor and oxygen monitor 8. Intubation set 9. Various intubation tubes and laryngeal tubes 10. Nebulizer Set 11. Ambu Bag 12. Manual Suction set 13. Cervical collars 14. CPR board 15. Oxygen Supply 16. Automated external defibrillator (AED) 17. Delivery sets 18. Dressing sets 19. Splints 20. Catheterizations sets 21. Haemostatic sets	

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18.	Other equipment	As mentioned in अनुसूची ४ राष्ट्रिय एम्बुलेन्स निर्देशिका, २०७८	
19.	Instructions	All signs instructions in the vehicle shall be in English.	
20.	Manuals	One copy of the Operator's and Owner's instructions manual in English shall be supplied with the vehicle.	
21.	Tools	A set of tools as required for general maintenance shall be supplied.	
22.	Color	Standard color	
23.	Proven performance	The vehicle offered shall be a current model under standard production by the manufacturer.	
24.	Warranty	Manufacturer shall provide a minimum of one year or 20,000 kms warranty which ever earlier after acceptance.	
25.	Legal standards	The vehicle shall comply with all the related legal standards.	
26.	Delivery	The brand new one unit ambulance shall be delivered to: बकैया गाँउपालिका गाँउकार्यपालिकाको कार्यालय, हात्तिसुडे, मकवानपुर	

The major items are indicated by bold and highlighted letters / alphabets / figures in the technical specifications. Non-compliance of these major items will result in non-responsiveness of the bid offered.

Bidder's Signature Date.....



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