Technical Specifications of 4 WD "B" Type Ambulance

S. No	Criteria	Required Specification	Note
1.	General	4WD, Right Hand Drive suitable for driving in Nepal, Gross	
		vehicle weight shall not be less than 2400 KGs and shall	
		have seating capacity for at least driver, co-passenger, and	
		patient.	
		One Stretcher, at least one storage space for medicine.	
2.	Engine	Diesel Engine, developing maximum rated power output not	
		less than 58 BHP and maximum torque not less than 170	
		NM at governed RPM, Engine displacement not less than	
		2400 CC, Engine fully equipped with accessories for	
		efficient full load operation of the vehicle at operating	
		conditions.	
3.	Wheel Base	Not more than 2800 mm	
4.	Overall Length	Not more than 4500 mm	
5.	Emission Standard	The emission standard of the vehicle should comply with the	
		latest "Vehicle Mass Emission Standard" of Nepal which	
		is to be certified by the Department of Transport	
		Management Nepal	Mary 1
6.	Gauges	all the gauges, indicators, and signals necessary for efficient	
		operation including (but not limited to) speedometer,	
		odometer, water temperature, fuel, oil pressure, transmission	
		gauge, etc. as necessary for efficient operation and	
		maintenance.	
7.	Clutch	Single Dry Plate	
8.	Transmission	Manual shift at 5 Forward and 1 reverse, floor mounted	
		engaged through control at the driver seat.	
9.	Ground Clearance	Minimum 165 mm	
10.	Suspension	Leaf Spring/Coil Spring/torsion bar/shock absorbers at front	
		and rear	
11.	Tires	Standard Size	
12.	Steering	Power Steering	
13.	Brakes	Front ventilated disc type, rear disc/drum type, hydraulically	
		operated on all wheels, and a dual parking brake dual circuit	
		are preferred.	
14.	Cab/Body	a) All metallic cab, glass windscreen, washers and wipers,	
		comfortable seat for driver and attendants	
7		b) two sun visors, rearview mirror, and two side view	
St. A.		mirrors	
A START		c) two side doors and a rear door for patients and attendants	
State	X	at the rear of the vehicle	

Er.Suman Thapa Mechanical Engineer NEC Reg. 1315 Mechanical 'A' Category Mechanical Engineer
NEC Registration No: 1315"A" Mechanical

15.	Chassis & Frame	Heavy-duty metal frame	
16.	Essential	d) Headlight, tail, and rear light, reversing light, and turn	
	Accessories	signal	
		e) Cabin lights	
		f) Spare wheels	
		g) Suitable jack with handle	
		h) Seat belts for driver and co-passenger	
		i) A set of flashing lights on top (as per Nepal Standard)	
		j) Siren	
		k) Floormats	
		1) Door visor	
		m) Foldable trolley cum stretcher	
		n) Oxygen cylinder holder	
		o) First aid box	
		p) Fire extinguisher	
		q) Saline bottle holder	
17.	Emergency	a) B.P Set	
17.	equipment (As per	b) Stethoscope	
	National Ambulance		
	Guideline, 2078	d) Tongue depressure	
	Category "B")	e) IV drips	
		f) Cannula and syringes	
		g) ECG monitor and oxygen monitor	
		h) Intubation set	
		i) Various intubation tubes and laryngeal tubes	
		j) Ambu bag	
		k) Nebulizer sets	
		Manual suction set	
		m) Oxygen supply	
		n) Oxygen supply	
		o) Cauterizations sets	
		p) Automated external defibrillator or (AED)	
		q) Delivery sets	
		r) Cervical collars	
		s) Splints	
		t) Homeostatic sets	
		u) Dressing sets	
18.	Instructions	As signs instructions in the vehicle shall be in English.	
10,	Manuals	One copy of the operator's and owner's instructions and	
A. S.		maintenance manual in English shall be supplied.	
20.	Tools	A set of tools as required for general maintenance shall be	
	1	supplied with a lockable toolbox.	l

Er.Suman Thapa
Mechanical Engineer
NEC Reg. 1315 Mechanical
'A' Category

Suman Thapa Mechanical Engineer NEC Registration No: 1315"A" Mechanical



21.	Color	Standard Ambulance color	
22.	Proven Performance	 a) The vehicle offered shall be a current model under standard production by the manufacturer. b) The vehicle offered shall be of the current manufacturing year not less than 2024. 	
23.	Warranty	The manufacturer shall provide a minimum of one year or 20, 000 km whichever is earlier after acceptance.	
24.	Delivery	Ambulance, 1 unit shall be delivered to: Bhimphedi Rural Municipality Office, Bhimphedi, Makawanpur, Bagmati Province, Nepal	

23, 00, 000.00 (Twenty Three Lakhs Only)

Note:

25.

Approximate Estimate

The above rate includes clearing and forwarding charges including 1% custom duty and custom declaration fee.

Note:

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

Er.Suman Thapa

Mechanical Engineer
NEC Reg. 1315 Mechanical
'A' Category

Prepared by: Suman Thapa

Mechanical Engineer

NEC Registration No: 1315"A" Mechanical

Er.Suman Thapa Mechanical Engineer NEC Reg. 1315 Mechanical 'A' Category

Suman Thapa
Mechanical Engineer

NEC Registration No: 1315"A" Mechanical

भागकता जाउँ भागकता जाउँ भागकता स्थापना

100 ca 192100