

Technical Specifications

Ambulance

Qty: 1 Unit

S.N.	CRITERIA	REQUIREMENTS	OFFERED SPECIFICATION
1	General	Van/Jeep/Pickup type Ambulance, Right hand drive with 4X4 drive system. Suitable for operation under on road and general off road and also rough working conditions and adverse climatic condition at operating altitude of 2500 m and ambient temperature varying between -5 to 50 degree centigrade Seating Arrangement: Driver + 1 Medical Personnel + 1 Patient (in laying condition) + At least 3 attendants	Make: Model: Country of Origin:
2	Dimension and weight	Gross Vehicle weight should not be less than 2450 kg Minimum ground clearance should not be less than 180 mm	
3	Engine	Water cooled Diesel Engine, developing maximum power output not less than 45 kW and maximum torque should not be less than 190 Nm (engine fully equipped with accessories) at governed RPM for efficient full load operation of van at operating conditions as stated in the bid documents, shall be equipped with cold starting device, direct electric starting system.	Make: Model:
4	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.	
5	Gauges	Gauges and meters as necessary for efficient operation and maintenance.	
6	Clutch	Heavy duty disc type	
7	Transmission	Manual shift at least five forward and one reverse, all forward synchromesh.	
8	Suspension	Front: Heavy duty double wishbone with coil spring or Semi Elliptical leaf springs with shock absorbers or equally suitable type. Rear: Semi Elliptical multi leaf springs or equally suitable type.	
9	Tires	Standard Size	
10	Steering	Power Assisted/ Power Steering	
11	Brakes	Hydraulic brake on all wheels with mechanical parking brake. Front: Disc Rear: Disc/Drum	
12	Cab	All steel cab with insulated roof, laminated glass windscreen, wipers, glass windows on doors, proper ventilated system, comfortable seats with separate adjustable seat for driver, sun visor.	
13	Chassis and frame	Heavy duty type	



14	Essential Accessories	1. Head light, tail and rear light and turn signals 2. Cabin lights 3. Front and rear toe hooks 4. Heavy duty front bumper 5. Spare wheel with tire and tube 6. Hydraulic jack with handle 7. Revolving Light 8. 3 Tone Siren, Amplifier and PA System Equipped with all accessories offered in standard model but not limited to the above items.	
15	Medical Equipment	Equipped with all the medical equipment offered in Category-B (Basic Life Support, BLS) Ambulance or more.	
16	Stickers/Logos	Affixed with Stickers, Logos and Writings as prescribed by "Guidelines for Integrated Ambulance and Pre-Hospital Service Operation 2077" .	
17	Instructions	All signs and instructions in the equipment shall be in English	
18	Manuals	One copy of the Operator's and Owner's Instructions and Maintenance manual in English shall be supplied with each equipment.	
19	Tools	A set of tools as required for general maintenance shall be supplied with in a lockable tool box for each unit	
20	Color	Standard Color	
21	Proven performance	The equipment offered shall be a current model under standard production by the manufacturer for at least one year. The year of manufacture of the offered vehicle should be 2022 or later.	
22	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance.	
23	Delivery	The Ambulance, RHD, (4X4)- 1 unit shall be delivered to: "Office of Rural Municipal Executives, Dungeswor Rural Municipality, Byasi, Bajhang" .	

Note:

- 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 offer.
- The bidders are required to submit the detailed list of all medical equipment offered with the Ambulance. The medical equipment offered shall not be less than that offered in Type-B (Basic Life Support, BLS) as stated in "Guidelines for Ambulance and Pre-Hospital Service Operation, 2077".

Bidder's Signature

Date

Prepared By:



2068/08/24
Bharat Pathak

Senior Divisional Engineer (Mechanical)

Bheri Babai Diversion Multipurpose Project

Nepal Engineering Council Number: 1178'A'

Date: 2079/08/25

Cost Estimate for the Purchase of Ambulance

The major technical specifications of the Ambulance that is intended to be purchased by "Office of Rural Municipal Executives, Dugeswor Rural Municipality, Bajhang", are as follows:

1. Type: Van/Jeep/Pickup type Ambulance, 4WD, RHD
2. Seating Arrangement: At least for Driver + 1 Medical Personnel + 1 Patient (in laying condition) + 3 Attendants
3. Gross Vehicle Weight: Not less than 2450 kg
4. Minimum Ground Clearance: 180 mm
5. Engine: Water Cooled Diesel Engine
6. Power output at governed RPM: Not less than 45 kW
7. Torque output at governed RPM: Not less than 190 Nm
8. Transmission: Manual shift, at least 5 forward and 1 reverse
9. Steering: Power assisted/Power steering
10. Brakes: Front Disc, Rear Disc or Drum
11. Essential Accessories: Standard jack with handle, spare wheel with tyre and tube, Revolving Light, 3 Tone Siren
12. Medical Equipment: Equipped with all medical equipment offered in **Category-B** (Basic Life Support, BLS) or more.
13. Stickers/Logos: Affixed as prescribed by "Guidelines for Integrated Ambulance and Pre-Hospital Service Operation 2077
14. Warranty: A minimum of one-year warranty after acceptance
15. Year of Manufacture: 2022 or later

Based on the enquiries made recently with suppliers the cost estimate for the Procurement of the Ambulance under **tax exempt facility** with above technical specification is as below.

S. N.	Description	Quantity	CIP Cost per unit (Border Price)	Custom duty per unit (@ 1 %)	Clearing and Forwarding Charge per unit	Cost per unit	Total Cost	Remarks
1.	Ambulance	1 unit	INR 11,75,000 = NPR. 18,81,760	NPR 18,820	NPR 1,20,000	NPR 20,20,580	NPR 20,20,580/-	Estimated cost under tax exempt facility

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2069/05/24

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