

Technical Specification

Owner: Sikhar Municipality, Sikhar, Doti

Vehicle name: High Roof Ambulance

Qty: - 1 Unit

S. No.	CRITERIA	MUNICIPALITY REQUIREMENT	OFFERED SPECIFICATION
1	General	High Roof Ambulance suitable for hilly rough road driving in Nepal. GVW not less than 2500kg, Pay-load not less than 900kg and shall have seating capacity at least 6 passengers including driver and having at least 1 patient's foldable Stretcher.	Make: Model: Country of Origin: Year of Manufacturing:
2	Engine	4-Stroke, Water cooled Diesel Engine, Displacement of the engine shall not be less than 1850 cc, developing Maximum rated power output not less than 60 HP and Maximum torque should not be less than 110 N-m at governed RPM , shall fully equipped with accessories for efficient full load operation of the Ambulance.	Make: Model:
3	Emission Standard	The Emission standard of the vehicle should be capable of meeting applicable Nepal Vehicle Mass emission standard, 2069, which is to be certified by Department of Transport Management, Nepal	
4	Gauges	To include speedometer, water temperature, fuel gauge, oil pressure, transmission gauge, signal for 4 WD etc. as necessary for efficient operation and maintenance.	
5	Clutch	Single Dry Plate	
6	Transmission	Manual shift at least five forward and one reverse , all forward synchromesh.	
7	Ground clearance	High ground clearance preferred, minimum 160 mm.	
8	Suspension	Front:-Coil springs/torsion bar/ Shock absorber. Rear:-Leaf spring /Shock absorbers.	
9	Turning Radius	Not more than 6.5 m	
10	Tires	Standard size	
11	Steering	Power Steering	
12	Brakes	Front : Disc / Drum type, Rear: Disc / Drum type	
13	Cab	Four doors, all metallic cab with insulated roof, laminated/tinted glass windscreen, washers and wipers, glass windows on doors, comfortable and adjustable seats for driver and passenger, having foldable stretcher for patient, floor mats, two sun visors, rear view mirror, and two side view mirrors.	
14	Chassis and frame	Steel, heavy duty suitable for driving in rough road conditions with toe-hook	

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15	Essential Accessories	1. Head light, tail and rear light, reversing light and turn signals. 2. Cabin lights 3. Speedometer / odometer. 4. Heavy duty bumper. 5. One Spare wheel with tyre and tube. 6. Suitable Jack & Handle 7. Seat belt for driver and co-driver. 8. CD /MP 3 Player with Radio MW/FM 9. Defogger 10. Special Doctor's seat 11. Bench seats for paramedics 12. I.V. bottle holding hooks 13. First aid box 14. Electric plug point 15. Wide 180 deg. Opening rear door 16. Anti-skid flooring 17. Fan for patient 18. Overhead revolving beacon 19. Oxygen cylinder holder Equipped with all accessories offered in standard model but not limited to the above items.	
16	Instructions	All signs and instructions in the vehicle shall be in English.	
17	Manuals	One copy of the Operator's and Owner's Instructions in English shall be supplied with each vehicle.	
18	Tools	A set of tools as required for general maintenance shall be supplied.	
19	Color	Standard color	
20	Proven performance	The bidder shall provide the manufacturer's data of the performance of the unit to include the fuel consumption, performance curve of the engine	
21	Warranty	Manufacturer shall provide a minimum of one-year warranty after acceptance.	
22	Delivery	The high Roof Ambulance one unit shall be delivered to Sikhar Municipality, Sikhar, Doti	

Notes:

- 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 as per ITB 31.3.
- The bidder must submit documentary evidences/ manufacturer declaration showing that he/she meets all the requirements as mentioned in *Section III, Evaluation and Qualification Criteria*.
- The bidder must fill up the required data for equipment in the above offered specification column.

Bidder's Signature.....

Prepared By:

Bijay Kumar Shah
Mechanical Engineer
Department of Roads,
Heavy equipment Division, Godavari
NEC No. : 340 Mechanical "A"



Date

Approved By:

Dharmraj Binadi
Chief Administrative Officer
Sikhar Municipality, Sikhar, Doti



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नि. प्रमुख प्रशासकिय अधिकृत

Technical Specification

Office Name: Sikhar Municipality, Doti, Province No. :7

Vehicle Name: Double Cab 4 WD Pickup

Quantity: - 1

Unit

S. No.	CRITERIA	OFFICE REQUIREMENT	OFFERED SPECIFICATION
1	General	Double Cab Right Hand 4 Wheel Drive pick-up suitable for hilly rough road driving in Nepal. GVW not less than 2700kg, Pay-load not less than 900 kg and shall have seating capacity for at least 5 passengers including driver.	Make: Model: Year of Manufacturing: Country of Origin:
2	Engine	4-Stroke, Water cooled Diesel Engine, Displacement of the engine shall not be less than 2000 cc, developing Maximum rated power output not less than 130 HP and Maximum torque should not be less than 315 N-m at governed RPM , shall fully equipped with accessories for efficient full load operation of Pick-up.	Make: Model:
3	Emission Standard	The Emission standard of the vehicle should be capable of meeting applicable Nepal Vehicle Mass emission standard, 2069 which is to be certified by Department of Transport Management, Nepal.	
4	Gauges	To include speedometer, water temperature, fuel, oil pressure, transmission gauge, signal for 4 WD etc. as necessary for efficient operation and maintenance.	
5	Clutch	Single Dry Plate	
6	Transmission	Manual shift at least five forward and one reverse , all forward synchromesh.	
7	Ground clearance	High ground clearance preferred, minimum 200 mm.	
8	Suspension	Front:-Coil springs/torsion bar/ Shock absorber. Rear:-Leaf spring /Shock absorbers.	
9	Tires	Standard size	
10	Steering	Power Steering	
11	Brakes	Front : Disc type, Rear: Disc / Drum type	
12	Cab	4 doors, all metallic cab with insulated roof, laminated/tinted glass windscreen, washers and wipers, glass windows on doors, comfortable and adjustable seats for driver and passenger, floor mats, two sun visors, rear view mirror, and two side view mirrors.	
13	Chassis and frame	Steel, heavy duty suitable for driving in rough road conditions with toe-hook	

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14	Essential Accessories	1. Head light, tail and rear light, reversing light and turn signals. 2. Cabin lights, ash tray 3. Speedometer / odometer. 4. Heavy duty bumper. 5. One Spare wheel with tyre and tube. 6. Suitable Jack & Handle 7. Seat belt for driver and co-driver. 8. CD /MP 3 Player with Radio MW/FM 9. Defogger 10. Alloy Wheel 11. All Power Windows 12. Central Door Locking System 13. A/C & Heater 14. Dual airbag system 15. Antilock Braking System Equipped with all accessories offered in standard model but not limited to the above items.	
15	Instructions	All signs and instructions in the vehicle shall be in English.	
16	Manuals	One copy of the Operator's and Owner's Instructions in English shall be supplied with each vehicle.	
17	Tools	A set of tools as required for general maintenance shall be supplied.	
18	Color	Standard color	
19	Proven performance	The bidder shall provide the manufacturer's data of the performance of the unit to include the fuel consumption, performance curve of the engine	
20	Warranty	Manufacturer shall provide a minimum of one-year warranty after acceptance.	
21	Delivery	The Double Cab 4WD Pick-up 1 unit shall be delivered to : Sikhar Municipality, Doti, Province No. :7	

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 offered.

Bidder's

Signature.....Date.....

Prepared By:

Er Bijay Kumar Sah
Mechanical Engineer
Heavy Equipment Division, Godavari, Kailali
NEC Regd. No.- 340 'Mechanical'

(Signature)



Approved By:

Dharm Raj Bhattar Binadi
Chief Executive Officer
Sikhar Municipality, Doti

(Signature)
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Technical Specification

Quantity: 2 Units Purchaser: Sikhar Municipality, Doti		Equipment Name :- Bus	
S.No.	Requirements		Offered Specification
1	General	a. RHD Seating capacity not less than 26 person , suitable for driving in Nepal at an altitude up to 2100 Meter and in ambient temperature between -5 to 50 deg. Centigrade. b. Minimum Seating arrangement: 1. Front 2 seat (Driver & passanger) 2. Right side max. 12 persons 3. Left side max. 8 persons 4. Rear Max. 5 persons 5. The Supplier should be submitted detail description of seats arrangement) c. Min. Two doors: Driver Side – One Mid. side left(left) –One Right side Rear – or One(Emergency exit door/ breakable glass)	Make: Model: Year of Manufacturing: Origin of Country:
2	Engine	a. Four stroke, Turbo charged diesel Engine b. Piston displacement Min. 2500 cc c. Min. 4 cylinder d. Water Cooled. e. Fuel Injection Pump Type :-Distributor type(Rotary)/inline type f. Engine output Min. 60 HP at governed RPM g. Engine Torque Min. 210 Nm at governed RPM	
3	Gauges, Meter Indicator	a. Speedometer. b. Tachometer c. Odometer d. Trip meter e. Engine Temperature Gauge f. Fuel Gauge g. Parking brake indicator h. Turn signal/hazard indicator i. High beam indicator. j. Charge indicator. k. Oil pressure warning indicator l. Engine pre-heating indicator m. Air Brake pressure gauge n. Accessory meter indicator gauge & Buzzers will be highly appreciated. Equipped with all accessories offered in standard model but not limited to the above items.	
4	Transmission	a. Clutch - single dry disc, clutch with diaphragm/ finger type spring, hydraulic operated b. Gearbox - Min. 5 speed all Synchromesh and one reverse gear.	
5	Brake	a. Dual circuit full Air S 'Cam Brake/ Air Over Hydraulic Brake b. Parking brake act on rear wheels	

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6	Steering system	Power steering	
7	Tyre	a. Standard size , Wide type with tube b. Spare wheel rim with tyre c. No. of tyres:-front-2,rear-4,spare -1 with tyre room	
8	Color	Standard	
9	Suspension	Semi elliptical leaf spring at front and rear/ Hydraulic double acting telescopic shock absorbers (Front and Rear)	
10	Chassis and frame	Steel, heavy duty suitable for rough road operational condition	
11	Fuel capacity	Min. 50 Liters	
12	Accessories	a. Head light, Rear light ,Parking Light , Turning light, Fog light b. Cabin light Search light with five Meter connector c. Fire Extinguisher Min. 3 KG d. Front & rear bumper e. Hydraulic jack or Manual jack min (10 ton capacity) with essential tools Detail description needed f. Seat belt for driver g. Front Heater and defroster h. Rear wiper with defogger i. Radio with(FM, AM, SW) and cassette or MP3 CD player etc j. High mount lamp k. Mud flaps (Fr+Rr) l. Essential tools, detail description needed m. First Aid Box with essential medicine, detail description needed n. Antilock Braking System should be preferenced	
13	Dimensions	a. Overall length –Min. 6000mm b. Overall width – Min. 2130mm c. Overall Height – Min. 2700mm d. Overall wheel base – Min. 3000mm e. Ground clearance: Min 200mm. f. Turning radius – Max. 8.0 Meter	
14	G.V.W.	Min.6300 KG	
15	Electrical	Battery: 12 volts.	
16	Emission Standard	The emission standard of the vehicle should be of Nepal vehicle mass emission current standard , which is to be certified by Department of Transport Management, Nepal.	
17	Proven Performance	a. The machine offered shall be a current Model under standard production by the manufacturer for at least three years. b. The bidder shall provide the manufacturer's data of the Performance of the unit to include the fuel Consumption, performance Curve of the engine and Production Capacity of the unit.	
18	Instruction	All signs and instruction in the Equipment shall be in English	



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19	Warranty	Manufacturer shall provide a minimum of one year warranty after delivery.	
20	Manual	a. One copy of the workshop manual one copy of parts catalogue with CD and hard copy per Unit in English shall be provided	
		b. Owner's Instruction book per unit. (All books are in English)	
21	Delivery	The RHD Bus Diesel shall be delivered to: Sikhar Municipality, Doti	

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Bidder's Signature.....

Date

Prepared By:

Er Bijay Kumar Sah

Mechanical Engineer

Heavy Equipment Division, Godavari, Kailali

NEC Regd. No.- 340 'Mechanical'

Dharm Raj ~~Bidari~~ Binadi
Chief Executive Officer
Sikhar Municipality, Doti

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Technical Specification

Owner: Sikhar Municipality, Doti

Equipment Name: Tipper Truck

Quantity: 1 Unit

S.No.	CRITERIA	OFFICE REQUIREMENT	Offered Specification
1	General	Rear dump type tipping truck, right hand drive with 4X2 drive system with all steel rectangular body with totally flat bottom and sides reinforced to withstand impact of shovel loading, fitted with tailgate. Dump Body (Cargo box) capacity of minimum 7.5 cu.m. with hydraulic tipping gear and standard equipment. Suitable for operation under rough working conditions and adverse climatic condition at operating altitude of 2500 m and ambient temperature.	Make: Model: Country of origin: Year of Manufacturing:
2	Capacity	Gross vehicle weight shall not be less than 16 Ton. Maximum climbing ability should not be less than 38%. Minimum ground clearance should not be less than 240 mm. Turning Radius not more than 7.5 mtr.	
3	Engine	Water cooled diesel engine, developing maximum power output not less than 180 HP and maximum torque should not be less than 670 Nm (engine fully equipped with accessories) at governed RPM for efficient full load operation of truck at operating conditions as stated in the bid documents, shall be equipped with direct electric starting system, heavy duty battery, heavy duty air cleaner & heavy duty fuel filter, fuel tank with water collection chamber and drain tap.	Make: Model: Country of origin: Year of Manufacturing:
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 six forward and one reverse, All forward synchromesh	
8	Axles	Front : Steel I section Rear : Heavy duty, Fully floating.	



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9	Suspension	Front : Heavy duty semi elliptical leaf springs with shock absorber sor equally suitable type Rear: Heavy duty multi leaf springs or equally suitable type	
10	Tires	Minimum 10.00X 20-16PR Front: single Wheel with tyre Rear : dual Wheel with tyre	
11	Steering	Power Assisted/ Power Steering	
12	Brakes	S-Cam air brake with mechanical parking brake and engine exhaust brake	
13	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, and suitably located hydraulic tipping gear controls	
14	Chassis and frame	Steel, heavy duty suitable for rough road conditions with toe-hook	
15	Essential Accessories	1. Head light, tail and rear light and turn signals 2. Cabin lights 3. Front and rear two hooks 4. Heavy duty front bumper 5. Spare wheel with tire and tube 6. Hydraulic jack (50 T) with handle 7. Seat belt for driver and co-driver. 8. DVD/MP3 Player. Equipped with all accessories offered in standard model but not limited to the above items.	
16	Instructions	All signs and instructions in the equipment shall be in English	
17	Manuals	One Copy of the Operator's and Owner's instructions, maintenance manual in English shall be supplied with the vehicle.	
18	Tools	A set of tools as required for general maintenance shall be supplied with in a lockable tool box.	
19	Color	Standard Color	
20	Proven performance	1. The machine offered shall be a current model under standard production by the manufacturer for at least one year. 2. The bidder shall provide the manufacturer's data of the performance of the unit to include the fuel consumption, performance curve of the engine and production capacity of the unit.	
21	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance.	



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22	Initial Service	The supplier shall provide with the equipment all the necessary filters and spare parts required for the first Two services after the equipment has been commissioned and accepted.	
23	Delivery	The Tipper Truck, RHD - 1 units and its Required spare parts shall be delivered to: Sikhar Municipality, Doti	

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Bidder's Signature.....

Date

Prepared By:

Bijay Kumar Shah
Mechanical Engineer
Department of Roads,
Heavy equipment Division, Godavari
NEC No. : 340 Mechanical "A"

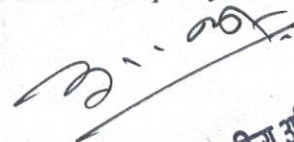


मेकानिकल इन्जिनियर



Approved By:

Dharmraj Binadi
Chief Administrative Officer
Sikhar Municipality, Sikhar, Doti

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