

Technical Specifications of Animal Ambulance with Hydraulic lift.

S.N.	CRITERIA	REQUIREMENT	OFFERED SPECIFICATION
1	General	Animal Ambulance, Right Hand Drive model with Truck suitable for driving in Nepal at an altitude up to 2500 meter and in ambient temperature -5 to 50 degree centigrade. Seating capacity for at least 2 Persons including driver .	Make: Model:
2	Engine	Diesel Engine not less than 2900 CC, developing Maximum rated power output not less than 80 PS at Governed RPM with torque min. 250 NM @ Governed RPM, engine fully equipped with accessories for efficient full load operation of the vehicle at operating conditions, cold starting device, heavy duty fuel filter.	Make: Model:
3	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 2069(Euro-III), which is to be certified by Department of Transport Management.	
4	Gauges	To include speedometer, water temperature, fuel, oil pressure, transmission gauge etc. as necessary for efficient operation and maintenance.	
5	Transmission	Manual shift at least five forward and one reverse, all forward synchromesh suitable for comfort and safe driving.	
6	Ground clearance	High ground clearance preferred, minimum 205 mm.	
7	Suspension	Suitable for toughest terrain, smooth ride, stable handling and comfortable driving conditions.	
8	Tires	Standard size, Radial Tubeless	
9	Steering	Power Assisted /Power Steering	
10	Brakes	Front ventilated disc type, rear disc / drum type, hydraulic operated on all wheels, and parking brake, dual circuit preferred.	
11	Cab/Cargo Body	Cabin: Single cab with 2 side doors, all metallic cab with insulated roof, laminated/tinted glass windscreen, washers and wipers, glass windows on doors, comfortable and adjustable seats for driver , floor mats, two sun visors, and rear view mirror, side view mirror. Cargo : all metallic body, one side door full length door at rear suitably configured inside space/layout to accommodate test tools, all medical items and two way door cage with adequate lighting well and ventilation. One side door for entering doctor and one chair in cargo. Not less than Cargo size 7x4.5x6 ft.	
12	Chassis and frame	Steel, heavy duty high rigidity frame structure suitable for rough road conditions , with toe-hook at front.	

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13	Essential Accessories	1. Head light, tail and rear light, reversing light and turn signals 2. Cabin lights and cargo light 3. Speedometer / odometer 4. Heavy duty front bumper 5. Spare wheel with tyre and tube 6. Suitable jack with handle 7. Front seat belt for driver 8. Audio System: AM/FM, Radio with CD/DVD/MP3/USB Drive Player. 9. Ambulance Siren 10. Saline Bottle holder 11. Attachments with hydraulic lift. Detail as attach sheet. 12. Medical items as per Veterinary Doctor reference. Equipped with all accessories offered in standard model but not limited to the above items. The accessories / features supplied with the vehicle shall be as per manufacturer's standard.	
14	Lift Area	Dimension minimum 6 fit length and 5fit wide for cage space at base, two way door, preferably including sections for small animals and big animals.	
15	PTO	Pneumatically operated/ hydraulic operated.	
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 at least two unit supply in Nepal,	
21	Warranty	Manufacturer shall provide a minimum of one-year warranty after acceptance.	
22	Initial Service	The supplier shall provide the vehicle all the necessary filters and spare parts required for the first two services, after the vehicle has been accepted.	
23	Delivery	The Animal Ambulance with Hydraulic lift one unit deliver to " Ministry of Agriculture and Livestock , Bagamati Province, Hetauda ".	

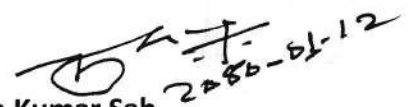
Note:

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.....




 Barun Kumar Sah
 Mechanical Engineer
 Heavy Equipment Division, Hetauda

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Technical Specifications of Hydraulic lift.

S.N.	CRITERIA	REQUIREMENT	OFFERED SPECIFICATION
1	General	The Animal Ambulance Hydraulic Lift must designed in such a way that it lift animals like cow, buffaloes etc. easily with out any jerks. The cage must be designed in such a way that there is no sharp edges/ corners so that any harm is caused to the animals. Lift must be easily operated with less or minimum manpower. It must be spacious for one animal and can be easily transported from one location to another.	
2	Performance	Safe working load carrying not less than 650kg. Lifting time not be less than 90sec. and similarly lowering time not less than 100sec. System pressure 150bar.	
3	Power Pack System	The power pack system is of Torque made. It is Dc operated power pack running on 12V. The capacity of the system must be 1.6kw. The tank capacity is of 8 liters. The maximum pressure in power pack system is 207 bar (3000PSI) operated from PTO.	
4	Prime Mover	Power required for hydraulic system is taken directly from battery operated power pack.	
5	Hydraulic Cylinders & Boom	The system has two cylinders. The bore diameter is 70mm and rod diameter is 45mm. The tube is heavy duty grinded & honed tube.	
6	Control Valve	The control valve is of make Badestnost or equivalent. It is of two or three spool.	
7	Paints	Two coat of zinc base red oxide. Two coat of synthetic enamel	
8	Cage Dimension	Mimimum 7 fit L x 4.5fit (W) x 6 fit (H) made with heavy squre pipe.	
9	Accessories and Safety Features	On/Off Switch is provided in the driver cabin for the operation of the system. Overload protective valve. Door Lock switch is provided for the safty purpose such that when the doors at the rear are open than only system will activate.	
10	Accessories	1. Belt for big and small animals. One set each 2. Food and water feeding tray . one unit 3. Fire extinguisher 5Kg . one unit	



Barun Kumar Sah
Mechanical Engineer
Heavy Equipment Division, Hetauda.

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Cost Estimate for Animal Ambulance with Hydraulic Lift For Ministry of Agriculture and Livestock, Bagamati Province, Hetauda".

S.No.	Description	Quantity	Estimated Cost in NRs.(Excluding VAT)	VAT @13%	Total Estimated Cost in NRs.(Including VAT)	Remarks
1.	Animal Ambulance with Hydraulic Lift (Diesel)	1 (one)	53,09,734.51	6,90,265.49	60,00,000.00 (Sixty Lakh)	Estimated

Above total estimated cost based on enquires recently made with authorized dealer of different brand . The major technical specification of the Animal Ambulance with Hydraulic Lift are as follows:-

- (i) Type :- 4 Stroke, 4Cylinder water cooled Diesel Engine: not less than 2900
- (ii) Power out put at governed RPM : Not less than 80PS
- (iii) Torque out put at governed RPM : Not less than 250N-m
- (iv) Transmission : Manual Transmission.
- (v) Ground Clearance :- Minimum 205mm
- (vi) Steering:- Power Assisted / Power Steering.
- (vii) Essential Accessories :- As per technical specification.
- (viii) Warranty : A minimum of one year after acceptance. and at least two free servicing in a year after acceptance.



Barun Kumar Sah
Mechanical Engineer
Heavy Equipment Division , Hetauda.

Handwritten signature and date: 2080-01-02