

(9) Technical Specification Criteria Mini Crane with Truck

S.N	Description		Requirements
1	Type		Mini Crane with Diesel Engine Truck
2	Crane	Max Lifting moment	124 Kn.m
		Max Lifting Capacity(kg/m)	5000/2.5kg/m
		Max. Lifting Angle	75°
		Working Radius	upto 9m
		Boom Section	atleast 3 stages
		Rotation Angle	360° All Rotation/Endless
		Working Pressure	not less than 16mpa
		Rated Oil Flow	not less than 50L/min
		Crane Weight	not less than 2200 kg
		Outrigger Span/Stabilizer Spread (std.)	(2215-5015)mm
		Winchtype	Hydraulic
3	General	Wheel Drive	Four-Wheel Drive
		Seating Capacity	2 (including driver)
		Fuel Tank Capacity	Minimum 160 liters
		Drive Side	Right Hand Side
		Gross Vehicle Weight	Not less than 11000 kg
4	Engine	Model	4-Stoke and Minimum 4 cylinders, Water cooled, Diesel Engine
		Displacement	Minimum 1500 cc ± 2%
		Power	At least 180 HP @rated RPM
		Torque	At least 650 Nm @rated RPM
5	Emission Standard		In Compliance with or superior than the applicable Standard as prescribed by Nepal Vehicle Mass Emission Standard 2069 which is to certified by Department of Transport Management
6	Clutch		Hydraulic/Single Dry Plate
7	Brakes		Front: Disc Type Rear: Disc/Drum Type, hydraulic operated on all wheels and parking brake
8	Gauges		Speedometer Odometer Temperature Indicator Fuel Gauge Water Temperature Indicator Oil Pressure Indicator Load Indicator, Hydraulic Safety Valve, Counter Balance Valve, Automatic Swing Brake, Hook Safety Device
9	Transmission		Manual with at least four forward and one reverse, Synchromesh on all gears
10	Steering		Power Assisted
11	Tyre and Size		Standard radial size (7 pieces including one spare tyre)
12	Body/Cab	Make	All metallic body with insulated roof
		Windscreens	Laminated/Tinted glasses
		Seats	Comfortable and Adjustable for driver and co-driver/ passenger
		Others	Two sunvisors, Rear view mirror and two side view mirrors
		Colour	Standard
13	Min. Turning Radius		4.5m
14	User Manual		One copy of the Operator's and Owner's instructions and maintenance manual in English shall be supplied with the vehicle
15	Signs and Instruction		All the required signs and instructions in the vehicle shall be in English and/or Nepali language
16	Accessories		1. Headlight, Tail and Rear light, Reverse and Turning Signals 2. Cabin Lights 3. Suitable Jack with handle (Hydraulic) 4. Seat belt for driver and co-driver
17	Tools		A set of tools as required for general maintenance shall be supplied
18	Year of Manufacture		The offered goods/equipment shall be latest and in current production for a minimum of 1 year. If the offered model is a new, the manufacturer must have experience in producing the similar model for a minimum of 3 years. At least the month and year of manufacture is required
19	Servicing		Minimum 5 free services after delivery
20	Proven Performance		The offered vehicle shall be under standard production by the manufacturer and the bidder shall provide manufacturer's data of performance of the unit to include fuel consumption and performance curve of the engine
21	Warranty		Manufacturer shall provide Minimum one year of warranty after acceptance by OEM
22	Modification of body		All the required modifications shall be done by the OEM
23	Delivery		The vehicle shall be delivered to the municipal office of Bhaktapur Municipality not later than 60 days from acceptance.

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.

Krishna Giri
Chief Administrative Officer

2017

(2)

Technical Specification Criteria of Mini Pickup lite

S.N	Description		Requirements
1	Type		Mini Tipper or Pickup lite
2	General	Dump Body	Hydraulic operated tipping gear
		Wheel Drive	Two-Wheel Drive
		Seating Capacity	2 (including driver)
		Fuel Tank Capacity	Minimum 30 liters
		Drive Side	Right Hand Side
		Gross Vehicle Weight	Not less than 1500 kg
		Dump Truck Capacity	Not less than 60 cu.feet
3	Engine	Model	4-Stoke and Minimum 2 cylinders, Water cooled, Diesel Engine
		Displacement	Minimum 700 cc±2%
		Power	At least 15 HP @rated RPM
		Torque	At least 35 Nm @rated RPM
4	Emission Standard		The Emission Standard of the vehicle should be " Vehicle Mass Emission Standard " of Nepal which is to be certified by Department of Transport Management, Nepal
5	Clutch		Hydraulic/Single Dry Plate
6	Brakes		Front: Disc Type
			Rear: Disc/Drum Type
7	Gauges		Speedometer Odometer Temperature Indicator Fuel Gauge
			Water Temperature Indicator
			Oil Pressure Indicator
8	Transmission		Manual with at least four forward and one reverse, Synchromesh on all gears
9	Tyre and Size		Standard radial size (one spare tyre included)
10	Gradeability		Min. 22%
11	Body/Cab	Make	All metallic body with insulated roof
		Windscreen	Laminated/Tinted glasses
		Seats	Comfortable and Adjustable for driver and co-driver/ passenger
		Washers and wipers	Required (front windscreen)
		Others	Two sunvisors, Rear view mirror and two side view mirrors
		Colour	Standard
12	Turning Radius		Not more than 8.5m
13	Ground Clearance (mm)		Minimum 160mm
14	User Manual		One copy of the Operator's and Owner's instructions and maintenance manual in English shall be supplied with the vehicle
15	Signs and Instruction		All the required signs and instructions in the vehicle shall be in English and/or Nepali language
16	Accessories		1. Headlight, Tail and Rear light, Reverse and Turning Signals
			2. Cabin Lights
			3. Suitable Jack with handle (Hydraulic)
			4. Seat belt for driver and co-driver
17	Tools		A set of tools as required for general maintenance shall be supplied
18	Year of Manufacture		The offered goods/equipment shall be latest and in current production for a minimum of 1 year. If the offered model is a new, the manufacturer must have experience in producing the similar model for a minimum of 3 years. At least the month and year of manufacture is required
19	Servicing		Minimum 5 free services after delivery
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