

BHAKTAPUR MUNICIPALITY

Office of Municipal Executive

Byasi, Bhaktapur

FISCAL YEAR:- 2081/82

PROJECT:- Procurement of EV Cargo Garbage Tricycle

Notice Published Date:- 2081/05/12 (Gorkha Patra Daily)

Last Date:- 2081/06/13

Technical Specification for EV Cargo Garbage

S.N.	Description	Required Specification
1	General	EV Cargo Garbage for the Purpose of Street Garbage Collection
2	Boot Space	1730*1470*960(mm)
3	Loading Capacity	not less than 800Kg
4	Unloading facility	Hydraulic
5	Motor	Rated Power: 5kW Peak Power: 10kW Rated RPM: 3500 Torque: 75Nm Warranty: at least 1 year
6	Top Speed	Not less than 45Km/h
7	Battery	Type: LiFePo4 Capacity: 9.2Kwh Life Cycle: 2500 Cycles@80% DOD Warranty: at least 3 years on Battery Cell
8	Mileage/Range on full Charging	not less than 80Km
9	Charging Duration	not more than 5 hrs
10	Wheel Base	not more than 2170mm
11	Vehicle Dimension	3200*1470*960(mm)
12	Gross Vehicle Weight	630Kg
13	Transmission	Manual with at least two forward , floor mounted engaged through control at driver seat.
14	Ground Clearance (mm)	Minimum 225mm
15	Suspension	Leaf spring/coil spring/torsion bar/shock absorbers at front and rear
16	Tyre and Size	Standard radial size
17	Steering	Handle Bar
18	Brakes	Front/Rear: Drum type, hydraulic operated
19	Chasis & Frame	Heavy duty metal frame
20	Gauges	Speedometer Odometer Gauge Battery Level Indicator
21	Signs and Instruction	All the required signs and instructions in the vehicle shall be in English and/or Nepali language.
22	User Manual	One copy of the Operator's and Owner's instructions and maintenance manual in English shall be supplied with the vehicle.
23	Tools	A set of tools as required for general maintenance shall be supplied.
24	Colour	White
25	Servicing	Minimum 4 free services/ 1year after delivery

26	Warranty	Manufacturer shall provide Minimum one year of warranty after acceptance by OEM
27	Modification of body	All the required modifications shall be done by the OEM
28	Delivery	The vehicle shall be delivered to: 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.		