

## Technical Specifications

Electric Utility Vehicle			1 Unit
S.No.	CRITERIA	REQUIREMENT	OFFERED SPECIFICATION
1	General	Five door Right Hand Drive (RHD) Electric Utility Vehicle <b>Car/Crossover</b> suitable for normal and rough road driving in Nepal. Vehicle <b>shall have seating capacity for 4 to 5 passengers including driver.</b>	Make: Model:
2	a) Drive Motor and Electrical System	<b>Permanent Magnet Synchronous Motor</b> developing <b>Peak (Maximum) Power output not less than 50 KW and Maximum Torque should not be less than 150 N-m</b> at rated RPM. The system should be equipped with all necessary items/ accessories and controlling devices for safe, smooth, efficient, economical operation and optimizing vehicle performance.	Make: Model:
	b) Battery	Capacity: Not less than <b>40 KWh</b> Charging system: With single phase home supply OR 3 Phase AC OR DC/AC fast charging	
3	Performance	Top Speed: Minimum 100 KM/hr Electric Driving Range: <b>Minimum 300 KM in one full charge (As per WLTP or NEDC or any other equivalent internationally recognized test system)</b> Charging Time: A.) <b>Capacity to charge: 80 %</b> of full charge should be done in not more than <b>60 minutes</b> through DC/AC charging station (Fast charge)	
4	Gauges	Fitted with all the gauges, indicators, signals as necessary for efficient operation, functional monitoring, vehicle performance and maintenance that includes (but not limited to) Battery charge indicator with all standard items of offered model vehicle	
5	Transmission	<b>Fully Automatic</b>	
6	Minimum Ground clearance	<b>Not less than 160 mm.</b>	
7	Suspension	Front: MacPherson strut with coil springs and Shock absorbers. Rear: Coil Springs with Shock absorbers	
8	Tyres	Standard Size	
9	Steering	<b>Power assisted</b>	
10	Brakes	<b>Front: Disc</b> <b>Rear: Disc or drum</b>	

11	Cab	4 doors and 1 back door, all metallic cab with insulated roof, right hand drive, laminated glass windscreen, wipers, glass windows on doors, through ventilation, comfortable and adjustable seats for driver and passenger, floor mats, two sun visors, and two side view mirrors and rear-view mirror.	
12	Chassis and Frame	Heavy duty high rigidity frame structure suitable for rough road conditions with hook at front.	
13	Essential Accessories	<ol style="list-style-type: none"> <li>1. Head light, tail and rear light</li> <li>2. Reversing light, turn signals</li> <li>3. Cabin lights</li> <li>4. Speedometer / odometer.</li> <li>5. Spare wheel with tyre and tube.</li> <li>6. Suitable Jack &amp; Handle</li> <li><b>7. Seat belt for driver and co-driver.</b></li> <li><b>8. Air Conditioning System (HVAC)</b></li> <li><b>9. Power Windows System</b></li> <li><b>10. Keyless Entry System</b></li> <li><b>11. Air bag Safety System</b></li> <li><b>12. Rear Parking sensors with camera</b></li> </ol> <p>To be equipped with all accessories in bolded letters should be as per manufacturer's standard model catalogue. (Factory fitted)</p>	
14	Charger	Supply and Delivery of <b>On board AC charger with each unit of vehicle</b>	
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 and Maintenance manual in English shall be supplied with each vehicle.	
17	Tools	A set of tools, with a tool bag, as required for general maintenance shall be supplied.	
18	Color	Standard Color	
19	Warranty	<p>Manufacturer shall provide:</p> <p><b>A.) Minimum of one-year warranty after acceptance for Vehicle</b></p> <p><b>B.) Minimum of one-year warranty after acceptance for Battery</b></p> <p>(Also bidder should provide all warranty policy provided from the manufacturer to the individual customer as well)</p>	
20	Delivery	The Electric Car, RHD, 1 Unit shall be delivered to: National Statistics Office, Thapathali, Kathmandu	

**Note:**

- a) 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.