

Technical Specifications

Electric Car (Crossover)

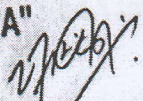
.... Units

S.N.	CRITERIA	REQUIREMENT	OFFERED SPECIFICATION
1.	General	At least four door right hand drive small Electric Vehicle suitable for normal and rough road driving in Nepal. Vehicle shall have seating capacity for at least 5 passengers including driver.	Make: Model:
2.	Drive Motor and Electrical System	Synchronous Motor developing Maximum Power output not less than 60 KW and Maximum Torque should not be less than 180 N-m 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:
3.	Battery	Capacity: Not less than 40 KWh Charging system: With single phase home supply 220 V AC or 3 Phase 400V-500V Ac or DC fast charging Safety: IP67 Rated	
4.	Performance	Range: Minimum 300 KM in one full charge Charging Time: Not more than 8 hours from the standard AC Charger	
5.	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	
6.	Transmission	Automatic	
7.	Suspension	Front: Mc Pherson / double wishbone with coil springs and Shock absorbers. Rear: Coil Springs with Shock absorbers	
8.	Tyres	Standard Size	
9.	Steering	Power assisted	
10.	Brakes	Front: Disc Rear: Disc or drum ABS with EBD and Regenerative Braking System	
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, 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.	

Tek Raj Subedi

Mechanical Engineer

NEC Regd No.: 1355 'A'



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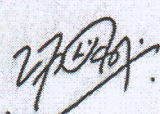
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S.N.	CRITERIA	REQUIREMENT	OFFERED SPECIFICATION
13.	Essential Accessories	<ol style="list-style-type: none"> 1. Head light, tail and rear light 2. Reversing light, turn signals 3. Cabin lights 4. Speedometer / odometer. 5. Suitable Jack & Handle 6. Seat belt for driver and co-driver. 7. Touchscreen Infotainment System 8. Air Conditioning System and Heater 9. Electrically Operated RVM 10. Front and Rear Power Windows System 11. Keyless Entry System 12. Air bag Safety System (Front, Side and Side Curtain) 13. Tire Pressure Monitoring System 14. Rear Wiper System³ <p>To be equipped with all accessories offered in standard model and the accessories in bold letters should be as per manufacturer's standard model catalogue. (Factory fitted)</p>	
14.	Charger	One unit of Home Supply standard charger with each vehicle to charge the vehicle at standard time mentioned in catalogue.	
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	Manufacturer shall provide: A.) Minimum of one-year warranty after acceptance for Vehicle B.) Minimum of five-year warranty after acceptance for Battery	
20.	Delivery	The Electric Vehicle, RHD, Unit shall be delivered to: Godawari Municipality, Lalitpur	

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.

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