

	CRITERIA	OFFICE REQUIREMENT	OFFERED SPECIFICATION
1	General	Five door compact SUV / SUV of Right Hand Drive, should be battery electric driven, suitable for driving both city and rural areas in Nepal. The total seating capacity of vehicle should be 5 persons including driver. Kerb weight of the vehicle should not be less than 1400 kg. The vehicle should be able to operate under the altitude, temperature and humidity variation of Nepal.	Make: Model: Country of Origin:
2	Battery	Zero Emission, natural air cooled, high energy density, lithium-ion battery pack with minimum 42 kwh. Battery shall have (WLTP) certified drive range minimum of 320 km on full charge.	
3	Electric Motor	Permanent magnet synchronous developing minimum power not less than 70 KW and Torque not less than 170 N-m at standard drive modes. Motor must be capable of power regenerative braking. (Motor shall be fully equipped with all necessary items / accessories) for efficient fully load operation of vehicle at operating conditions.	Make: Model: Country of Origin:
4	Charging	<ul style="list-style-type: none"> • Vehicle should have charging facility compatible to household electric system of Nepal and also should have facility of fast charging. • Vehicle shall be fully charged within 1 hr. with fast charging and should not exceed 8 hrs. while charging with household electric system. • Bidder should provide at least charging adaptor compatible with household electric system Nepal 	
5	Gauges	Fitted with all the gauges, indicators, signals as necessary for efficient operation, functional monitoring, that includes (but not limited to these) Battery charge indicator, water temperature, fuel, oil pressure, etc. with all standard items of offered model vehicle.	
6	Transmission	Vehicle should have automatic transmission.	
7	Turning Radius	It must not be more than 5.5 meters	
8	Ground Clearance	It must be minimum 170 mm.	

[Handwritten signature]



9	Suspension	Suitable for tough terrain, smooth ride, stable handling and comfortable driving conditions. Front: McPherson Strut / Coil Spring Rear: Multi link type Torsion Beam with Coil.	
10	Wheel Base:	Maximum 2750 mm.	
11	Tyres	Standard Size.	
12	Steering	Electric power assisted.	
13	Brakes	Front : Disc type. Rear : Disc / Drum	
14	Cab	Cab with insulated roof, comfortable and adjustable seats for driver, sun visor, and two side view mirrors and rear view mirror. All the items with the standard model in the Vehicle must be included.	
15	Chassis and Frame	Steel, heavy duty high rigidity frame structure suitable for rough road conditions with hook at front.	
16	Essential Accessories	<ol style="list-style-type: none"> 1 Head light, tail and light, reversing light and turn signals. 2 Cabin lights. 3 Speedometer/ odometer. 4 Spare wheel with tyre. 5 Jack with handle 6 Front seat belt for driver and co-passenger. 7 Minimum Six airbags . 8 Power window front and rear. 9 Alloy Wheel 10 Rear wiper and Defogger 11 Touch screen infotainment with Bluetooth/CD/DVD 12 Steering mounted audio control 13 Electric Adjustable ORVMS 14 Front and Reverse sensors 15 Air conditioner. 16 Regenerative braking with ABS and EBD 17 Rear Parking Sensor 18 Speed Sensing Auto Door Lock 19 It must be equipped with all accessories offered in standard model but not limited to the above items. (Manufactured Fitted). 	
17	Instructions	All signs and instructions in the vehicle shall be in English.	
18	Manuals	One copy of the Operator's Manual and Owner's Manual in English shall be supplied with each vehicle.	

[Handwritten Signature]



19	Tools	A set of tools, with a tool bag, as required for general maintenance shall be supplied with vehicle.	
20	Color	Standard	
21	Proven performance	The vehicle offered shall be a current model available in Nepal under standard production by the manufacturer for at least one year.	
22	Warranty	Manufacturer shall provide a minimum of 7 years battery warranty and 3 years drive motor warranty after acceptance of Vehicle.	
23	Delivery	The Vehicles shall be delivered to: Dakshinkali Municipality, Pharping, Kathmandu.	

NOTE:

The Major items are indicated by bold and highlighted letters / alphabets / figure in the technical specifications. Non-compliance of these major items will result in non-responsiveness of the bid offered.

Tentative Cost Estimate

S.N.	Description	Quantity	Unit Cost (NRs.) (Excluding VAT and Other taxes)	Total Cost (NRs.) (Including VAT and Other taxes)	Remarks
1.	Compact SUV / SUV	1	37,00,000.00	41,81,000.00	

Prepared By: Er. Pradeep Kumar Shrestha
Mechanical Engineer
Heavy Equipment Division, Kathmandu



Approved By: