



एनइए इन्जिनियरिङ कम्पनी लि. NEA ENGINEERING COMPANY LTD.

प.सं. २०७५/७६

च.नं. ८४९



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(प्रथम पटक प्रकाशित मिति २०७६/०१/१६)

विषय:- क्याटलग सपिङ्ग विधिबाट Electrical Van खरीदको लागि सूचीकृत गर्ने सम्बन्धमा ।

यस एनइए इन्जिनियरिङ कम्पनी लिमिटेडको लागि आवश्यक रहेको Electric Van क्याटलग सपिङ्ग विधिबाट खरीद गर्नुपर्ने भएकोले कम्पनीको Website: <http://www.neaec.com.np/en> मा संलग्न गरिए बमोजिमको Technical Specification अनुसार सवारी साधन उपलब्ध गराउन सकिने भए यस कम्पनीको कार्यालय ट्रेडटावर, थापाथली, काठमाडौंमा यो सूचना प्रथम पटक प्रकाशित भएको मितिले १५ दिनभित्र कम्पनी दर्ता प्रमाणपत्र, VAT, PAN दर्ता, कर चुक्ताको प्रमाणपत्र तथा निर्माता कम्पनीबाट जारी आधिकारिक विक्रेताको प्रमाणपत्र सहित सूचीकृत गर्नुहुन जानकारी गराइन्छ ।



(उदीप लेखक)

प्रशासन अधिकृत

Technical Specifications for Electric Van

1. General

This scope covers Supply and Delivery of Electric Van suitable for urban road conditions with a operating temperature of 0 to 40 deg. C, humidity up to 100% at 35 deg. C and altitude varying up to 2,000 m above mean sea level. The vehicle shall be right hand drive, electric motor operated, control on steering as per following technical specifications. Although all specific details may not be covered by the following “Technical Specifications” all accessories/facilities/options/available in the specific make and model of offered vehicles shall be supplied without any additional cost to NEC.

2. Description:

Required Technical Specifications for the vehicles are given in the table below. Bidder shall fill up the description of their offered vehicle in the column provided on the table, below:

Required Technical Specification of Four Wheel Electric Van

S.N.	Criteria	Requirement	Offered Specification
1.	Manufacturer	-	
2.	Offered model (must be specific)	-	
3.	Country of Origin	-	
4.	Seat Capacity	Greater than 7	
5.	General	Right Hand Drive model with four wheels. Suitable for driving in on-road conditions needed for safe driving in rough, sandy, and hilly road conditions. The electric vehicle shall have seating capacity of at least 8 passengers.	



6	Dimensions	a. Length ≥ 3790 mm b. Width ≥ 1525 mm c. Height ≥ 1875 mm d. Wheelbase ≥ 1950 mm	
7.	Top speed	≥ 60 kmph	
8.	Minimum Ground Clearance	≥ 130 mm	
9.	Range	≥ 110 km	
10.	Suspension	Front: -MacPherson Struts, Gas Shock Absorbers, Stabilizer Bar or Independent Dual Cross-Arm with Crosswise Stabilized Bars or Macpherson type with wish bone link. Rear: - Leaf Spring	
11.	Engine Type	Electric Motor with Permanent magnet synchronous motor or 3 ph AC induction motor	
12.	Maximum power	≥ 25 kW at governed RPM	
13.	Battery type	Lithium	
14.	Battery capacity (kWh)	≥ 14 kWh	
15.	BREAKING	Regenerative	

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Apart from the above the Bidder shall also fill up the description of their offered vehicle in the column provided on the table below:

S.N.	Description	Offered Data
1.	Maximum Torque	
2.	Battery power (kW)	
3.	Battery Charging time	
4.	Battery warranty (years)	Minimum 3 years
5.	AC supply voltage	Max. 15 Amp
6.	DC charging voltage (DCV)	
7.	Power consumption	
8.	Emission Standard	The vehicle shall be brand new and shall be zero CO ₂ Emission.
9.	Gauges	Fitted with all the gauges, indicators, signals as necessary for efficient operation, functional monitoring that includes (but not limited to) battery charge indicator, temperature, pressure, transmission gauge, etc.
10.	Transmission	Automatic Transmission with reverse system
11.	Wheel/Tires	
12.	Tire dimension	Tube less, 155/80 R15
13.	Maximum	



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	turning radius		
14.	Chassis and frame	Steel, Heavy duty, with toe-hook	
15.	Body/Cab	Four side doors and one luggage compartment at the rear of the car. All metallic cab with insulated roof, laminated tinted glass windscreen, washers and wipers, glass window on doors, through ventilation, comfortable and adjustable seats for driver and co-passenger, dimming rear view mirror, adjustable side view mirror.	
16.	Accessories	The vehicle should be equipped with following inbuilt accessories from manufacturer :	
		1) Fr and Rr seat belt	
		2) Standard toolset	
		3) Cabin lights	
		4) Tachometer/ speedometer/ odometer	
		5) Heavy duty body colored front bumper	
		6) suitable jack with handle	
		7) Spare tire	
		8) Spare cord	
	9) Mats for driver and co-driver		



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		10) Seat cover	
		11) Side grab handle for driver and co-passengers	
		12) Front wind shield glass laminated	
17.	Instructions	All signs instructions in the vehicle shall be in English	
18.	Manuals	One copy of the Operator's and Owner's instructions and maintenance manual; spare parts catalogue & comprehensive workshop manual in English shall be supplied with each vehicle	
19.	Tools	A set of tools as required for general maintenance shall be supplied within a lockable toolbox free of cost with each unit	
20.	Color	Standard Color	
21.	Proven Performance	1. Manufacturer year should be 2019. 2. The bidder shall provide the manufacturer's data of the performance of the unit to include the power consumption, performance curve of the engine/motor and production capacity of the unit	
22.	Warranty	One Year from date of acceptance (Except Battery) For battery: As agreed in S. No. 4	
23.	Initial service	The supplier shall provide all the necessary filters and spare parts required for the first two services, after the vehicle has been commissioned and accepted.	



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24.	Delivery	2 months from the date of Contract signing	
25.	Safety Features	The vehicle shall be equipped with safety features like side intrusion beams, crash protection crumple zones, upholstery and a collapsible steering column.	
26.	Super Charger	Bidder shall have to provide supercharger for battery charging	

3. Spare Parts:

Spare parts for first 20000 km of operation with prices valid for a period of one year.

- A) One (1) clear copy of the standards governing fabrication and testing of the vehicles.
- B) Two (2) copies of certified outline drawings for each showing dimensions, arrangements and location of all parts.
- C) A clause by clause commentary on the specification, specifying compliance or deviation if any.
- D) The supplier should obtain pollution test certificate issued by GoN.



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