



नेपाल सरकार

# राष्ट्रिय योजना आयोगको सचिवालय

प्रशासन तथा कार्यक्रम शाखा

पत्र संख्या : २०७४/७५

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## सवारी साधन खरिद गर्ने सम्बन्धी सूचना

प्रथम पटक प्रकाशित मिति : २०७४/०७/२२

यस सचिवालयले चालु आ.व.२०७४/७५मा चारपाङ्ग्रे विद्युतीय सवारी साधन(Electric Vehicle) खरिद गर्नुपर्ने भएकाले सार्वजनिक खरिद ऐन २०६३ (पहिलो संसोधन २०७३) को दफा ८ को उपदफा १ (क) ८) तथा सार्वजनिक खरिद नियमावली २०६४ (चौथो संसोधन २०७३) को नियम ३१ख बमोजिम त्यस्तो सवारी साधन उत्पादक कम्पनी वा सो को आधिकारिक विक्रेताहरु बीच मात्र प्रतिस्पर्धा गराउने (क्याटलग सपिड) विधिबाट खरिद गर्नुपर्ने भएकोले इच्छुक इजाजत प्राप्त उत्पादक कम्पनी वा त्यसको आधिकारिक विक्रेताहरुले आआफ्नो फर्म दर्ता-, भ्याट दर्ता, एजेन्सी दर्ता प्रमाण पत्र, Letter of Authorization र आ०७४/२०७३ .व. को आयकर चुक्ता प्रमाणपत्रको (नोटरी पब्लिक) प्रमाणित प्रतिलिपिहरु समावेश गरी सार्वजनिक खरिद नियमावली २०६४ को नियम ३१ ख(१) अनुसार देहाय बमोजिमको सवारी साधनको उत्पादनको आधिकारिक स्पेसिफिकेसनमुल्य र सुविधा सहितको ,गुणस्तर , विवरण(क्याटलग वा ब्रोसर) संलग्न राखि यो सूचना प्रकाशित भएको मितिले १५ दिन भित्र यस सचिवालयमा शिलबन्दी प्रस्ताव दर्ता गर्न हुन सम्बन्धित उत्पादक वा आधिकारिक विक्रेताको जानकारीको लागि यो सूचना प्रकाशित गरिएको छ ।

आवश्यक सवारी साधनको विवरण:

क्र.सं.	सवारी साधन	संक्षिप्त विवरण	संख्या	कैफियत
1.	Four Wheel Electric Car	<ul style="list-style-type: none"> <li>Right Hand Drive model Full option 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 5 passengers.</li> <li>Engine type: Electric Motor with Permanent magnet synchronous motor or AC induction motor</li> <li>Battery type:Lithium</li> </ul>	1	

# Technical Specifications for Electric Car

## 1. General

This scope covers supply and delivery of Electric Car suitable for operation in extremely tropical, rural and urban conditions with a operating temperature of 0 to 45 deg. C, humidity up to 100% at 35 deg. C and altitude varying up to 3,000 m above mean sea level. The vehicle shall be right hand drive, electric motor operated, full option 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 NPC.

## 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 Car

S.N.	Criteria	Requirement	Offered Specification
1.	Manufacturer		
2.	Offered model (must be specific)		
3.	Country of origin		
4.	General	Right Hand Drive model Full option 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 5 passengers.	

  
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5.	Dimensions	a. Length $\geq 4140$ mm b. Width $\geq 1740$ mm c. Height $\geq 1540$ mm d. Wheelbase $\geq 2570$ mm	
6.	Boot space	$\geq 281$ ltr	
7.	Top speed	$\geq 86$ kmph	
8.	Minimum Ground Clearance	$\geq 150$ mm	
9.	Range	$\geq 300$ km	
10.	Suspension	MacPherson Struts, Gas Shock Absorbers, Stabilizer Bar <b>or</b> Independent Dual Cross-Arm with Crosswise Stabilized Bars <b>or</b> Macpherson type with wish bone link.	
11.	Engine Type	Electric Motor with Permanent magnet synchronous motor or AC induction motor	
12.	Maximum power	$\geq 30.5$ kW (14 hp) at governed RPM	
13.	Battery type	Lithium	
14.	Battery capacity (kWh)	$\geq 40$ 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)	
5.	AC supply voltage	
6.	DC charging voltage (DCV)	
7.	Power consumption	
8.	Emission Standard	The vehicle shall be brand new and shall be zero CO <sub>2</sub> 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	Standard size alloy wheel
12.	Tire dimension	

  
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13.	Maximum 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.	Steering	Electric power steering	
17.	Accessories	The vehicle should be equipped with following inbuilt accessories from manufacturer :	
		1) Power window	
		2) Electronic ORVM	
		3) Central locking	
		4) rear parking sensor	
		5) automatic air conditioner	
		6) heater	
		7) full fabric seat	

		8) Fr and Rr seat belt	
		9) Standard toolset	
		10) Full wheel cap	
		11) ABS, EBD, ESP	
		12) Antitheft system with immobilizer	
		13) AM/ FM CD USB 4 SPK with touch screen color display/blue tooth wireless technology	
		14) Cabin lights	
		15) Tachometer/ speedometer/ odometer	
		16) Front fog lamps	
		17) Heavy duty body colored front bumper	
		18) suitable jack with handle	
		19) multifunction steering wheel with blue-tooth phone connectivity controls	
		20) Spare tire	

		21) Spare cord	
		22) Mats for driver and co-driver	
		23) Doorvisors	
		24) Seat cover	
		25) Remote keyless entry	
		26) child lock	
		27) Side grab handle for driver and co-passengers	
		28) Front wind shield glass laminated	
		22) minimum dual front air bag safety system	
		To be equipped with all accessories offered in Full option (standard model) but not limited to the above items	
18.	Instructions	All signs instructions in the vehicle shall be in English	
19.	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	
20.	Tools	A set of tools as required for general maintenance shall be	

		supplied within a lockable toolbox free of cost with each unit	
21.	Color	Color shall be chosen by NPCS during signing of Contract	
22.	Proven Performance	1. Manufacturer year should be 2017. 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	
23.	Warranty	As per SCC	
24.	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.	
25.	Delivery	4 months from the date of Contract signing	
26.	Safety Features	The vehicle shall be equipped with safety features like side intrusion beams, crash protection crumple zones, fire retardant upholstery and a collapsible steering column.	
27	Super Charger	bidder shall have to provide super charging for battery charger	

### 3. Spare Parts:

Spare parts for first 2000 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.

