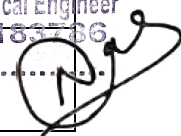


Technical Specification of Electric Bike

S.no	CRITERIA	DEPARTMENTAL REQUIREMENT	OFFERED SPECIFICATION
1.	General	Electric Bike of sturdy design, suitable for driving on all type of road.	Model: Make:
2.	Motor	Brushless Hub DC Motor with rated power of not less than 4KW and controller with 72 V 4 KW Vector Looped	Model: Make:
3.	Battery	3.5 KWH Lithium Ion Battery NMC Chemistry type with metalcase and Smart active balance 50A management system.	
4.	Charging time	Not more than 6 Hr with external charging port and Regenerative braking system.	
5.	Top speed	Not less than 85kmph	
6.	Range	Not less than 140 km on a full charge	
7.	Gauges	To include speedometer, Charge etc as necessary forefficient operation and maintenance	
8.	Transmission	Automatic	
9.	Brake	Rear: Drum Front: Hydraulic Disc	
10.	Frame Suspension & other	<ul style="list-style-type: none"> • Suspension: F: Hydraulic Dual Suspension R: Hydraulic Dual Suspension • Saddle Height: 770 mm • Ground Clearance: 180 mm • Wheelbase: 1375 mm • Kerb Weight: 120 kg • Overall Length: 2040 mm • Centre Stand: Yes • Rim: Cast alloy • Tyre : not less than Front: 17 Rear: 18 	
11.	Essential Accessories	<ol style="list-style-type: none"> 1. Head light, rear and turn signal light 2. Two rear view mirror 3. Safety lock in steering 4. Helmet and helmet lock 	
12.	Instruction	All signs and instructions in the equipment shall be in English	
13.	Manuals	One copy of the Operator's and Owner's Instructions and maintenance manual in English shall be supplied with ElectricBike	
14.	Color	Standard Color	
15.	Tools	A set of tools as required for general maintenance shallbe supplied with in a lockable tool box for each set	

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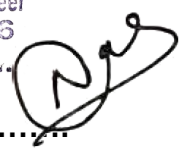


16.	Proven performance	1. The Electric Bike offered shall be a current model under standard production by the manufacturer for at least one year 2. The bidders shall provide the manufacturer's data of performance of the unit to include the fuel consumption, performance curve of engine etc.	
17.	Warranty & Service Facilities	Manufacturer shall provide a minimum 1 year warranty & 5 times free service after delivery.	
18.	Delivery	The Electric Bike shall be delivery to KANAKAI MUNICIPALITY, JHAPA, NEPAL.	

Note:

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

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