

Chand: 8/19

Technical Specification of Motorcycle

S.N.	Criteria	Official Requirements	Offered Specification
1)	General	Motorcycle suitable for normal and rough road condition of Nepal with operating conditions -5 degree C to 50 degree C and altitude of 2000 m, shall have seating capacity for at least 2 passengers including driver. Kerb weight not less than 123 kgs and payload not less than 150 kgs.	
2)	Engine	a) Air cooled four stroke, single cylinder (equivalent) petrol engine b) Minimum of <b>124.7 cc.</b> c) Max. Power output must be <b>10 BHP or above @</b> governed rpm d) Max. Torque <b>10.3 Nm or above @</b> governed rpm e) Kick and Self Starting.	
3)	Dimension	Overall length: variable Overall width: variable Overall Height: 1100 mm, less is preferred Overall Wheelbase: Min 1266 mm	
4)	Emission Standard	The Emission Standard of the vehicle should be of Nepal Vehicle Mass Emission Standard-2069 which is to be certified by Department of Transport Management, Nepal	
5)	Transmission Type	Minimum 4-speed gearbox.	
6)	Fuel tank capacity	Not less than 10.5 ltrs.	
7)	Gauges	To include speedometer, fuel, etc necessary gauges for efficient operation and maintenance	
8)	Clutch	Wet type, Multiplate	
9)	Ground Clearance	Not less than 157 mm	
10)	Suspension	Front: Telescopic hydraulic shock absorber Rear: Swing arm with double/ single hydraulic/ NOx shock absorber spring loaded.	
11)	Wheels and tires	Sprocket wheels with Standard Size tire	
12)	Starting	Self starter with Kick starter	
13)	Brakes	Front: Hydraulic Disc type Rear: Mechanical Drum / Disc type	
14)	Chassis and Frame	Tubular, Steel, heavy duty	
15)	Essential Accessories	Head Light, tail light, brake light and turn signals Helmet	
16)	Instructions	All signs and instructions in the vehicle shall be in English	
17)	Manuals	Copy of the Operator's/ Owner's Instructions manual in English shall be supplied with the vehicle	
18)	Tools	A set of tools as required for general maintenance shall be supplied	



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19)	Color	Standard	
20)	Proven Performance	a) The motorcycle offered shall be a current model under standard production by the manufacturer under year 2024. b) The bidder shall provide the manufacturer's data of the performance of the unit to include the fuel consumption, performance curve of the engine and production capacity of the unit	
21)	Warranty	Manufacturer shall provide a minimum of one-year warranty after acceptance	



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Technical Specification of Scooter

S.N.	Criteria	Official Requirements	Offered Specification
1)	General	Scooter of sturdy design, suitable for driving on very rough road. Kerb weight not less than 105 kgs and payload not less than 150 kgs	
2)	Engine	a) Four strokes, single cylinder (equivalent) air-cooled gasoline engine. b) Engine volume not less than <b>109 cc.</b> c) Max. Power output not less than <b>8 BHP @</b> governed rpm d) Max. Torque not less than <b>8.9 Nm @</b> governed rpm e) Self & Kick starting.	
3)	Ground Clearance	Not Less than <b>155 mm</b>	
4)	Fuel Tank Capacity	Not Less than <b>5.3 litres</b>	
5)	Transmission	CVT / Automatic Transmission	
6)	Brake	Front and rear: disc/drum type.	
7)	Essential accessories	1. Head light, rear and turn signal light. 2. Two rear view mirrors. 3. Helmet 1 no. with lock 4. Instrument panel with Speedo meters, odometer	
8)	Tyre	<b>Tubeless tyre</b> of standard size.	
9)	Instructions	All signs and instructions on the scooter shall be in English.	
10)	Manuals	One copy of the Operator's and Owner's instructions and Maintenance manual in English shall be supplied with each Scooter.	
11)	Tools	A set of tools as required for general maintenance shall be supplied with in a lockable tool box for each unit.	
12)	Proven Performance	The scooter offered must be current model under standard production by the manufacturer under year 2024.	
13)	Warranty	Manufacturer shall provide a minimum one year's warranty after delivery.	
14)	Emission standard	The Emission Standard of the vehicle should be capable of meeting applicable Nepal Vehicle Mass Emission Standard 2069 which must be certified by Department of Transport Management, Nepal.	