

HARIPUR MUNICIPALITY

Office of municipal executive

Sarlahi, Madhesh Pradesh, Nepal

Technical specifications of around 150cc motorcycle

S.N	Criteria	Technical requirements
1.	General	Motorcycle of sturdy design suitable for driving in rough and hilly road condition of Nepal with operating condition suitable for temperature range of -5 degree celcius to 50 degree celcius having kerb weight of minimum 140kg . Should have electric self start or kick start arrangement for starting engine.
2.	Engine	Air cooled, 4 stroke, 2 valve gasoline engine with engine displacement of range (150 +/- 1) cc developing power and torque not less than 12.5 PS (1PS=0.986HP) and 13 NM respectively at governed RPM.
3.	Transmission system	Minimum five speed manual gear.
4.	Clutch	Wet, multi plate clutch
5.	Gauges	To include speedometer, fuel meter etc as necessary for efficient operation and maintenance.
6.	Braking system	Front : Disc brake Rear : Disc brake
7.	Suspension system	Front: telescopic suspension Rear: spring loaded twin shock absorber
8.	Frame/Chassis	Sturdy design of double cradle frame with more strength to support the engine and overall load of vehicle.
9.	Fuel tank capacity	Minimum 13 litres
10.	Ground clearance	Minimum 165mm
11.	Saddle height	Minimum 785mm

12.	Tyre	Front: minimum 90/90 17 inch, tubeless Rear: minimum 120/80 17 inch, tubeless
13.	Tools	A set of tools as required for general maintenance shall be supplied within a lockable tool box for each unit.
14.	Wheel base	Minimum 1320mm
15.	Essential accessories	<ol style="list-style-type: none"> 1. Head light with high and low beam 2. Rear and turn signal lights 3. Safety lock for steering 4. Two rearview mirror 5. Helmet and leg guard
16.	Proven performance	<ol style="list-style-type: none"> 1. The motorcycle offered shall be a current model under standard production by manufacturer for atleast one year. 2. The bidder shall provide manufacturer's data of performance of unit to include fuel consumption and performance curve of the engine.
17.	Colour	Any standard colour
18.	Warranty	Manufacturer's shall provide minimum of one year warranty .
19.	Initial service	The supplier should provide one year free servicing after delivery.
20.	Emission standard	The supplied vehicle shall meet Nepal vehicle mass emission standard 2069 Euro III which must be certified by department of Nepal transport management.

Note: The major items are indicated by bold and highlighted letter/alphabet/figure in the technical specifications.