

Technical Specifications for Motorcycle (160cc (+/- 5.0cc)

S.N.	Criteria	Requirement	Offered Specification
1	General	Motorcycle suitable for normal and rough road driving in Nepal at an altitude up to 2000 meter and in ambient temperature -5 to 50 degree centigrade. Kerb Weight of the Motorcycle shall not be less than 137 kgs and shall have seating capacity for at least 2 passengers including driver.	
2	Engine	4-Stroke, (160cc (+/- 5.0cc), Petrol engine , developing Maximum rated power output not less than 15 bhp at governed RPM & Torque not less than 13 Nm, shall fully equipped with accessories for efficient full load operation of the Motorcycle.	
3	Emission Standard	The Emission Standard of the vehicle should be of Nepal Vehicle Mass Emission Standard -2069 (EURO-III), Which is to be certified by Department of Transport Management , Nepal	
4	Gauges	To include speedometer, fuel etc. as necessary for efficient operation and maintenance.	
5	Clutch	Multi plate wet Plate	
6	Transmission	Manual shift at least 4 forward.	
7	Ground clearance	High Ground clearance preferred, minimum 164 mm.	
8	Suspension	Front; Telescopic Fork Rear: Monotube Inverted Gas filled shock absorbers with spring	
9	Tires	Standard Size, factory fitted tubeless	
10	Starting	Self starter/Kick Starter	
11	Brakes	Front; Disc, Rear; Drum.	
12	Wheel	Rim Front and Rear; Cast Wheel. .	
13	Chassis frame	Steel, heavy duty	
14	Essential accessories	1. Head light, tail and rear light, 2. Turn signals 3. Speedometer 4. Fuel tank 12 Litres minimum.	
15	Instructions	All signs and instructions in the vehicle shall be in English	
16	Manuals	Copy of the Operator's and Owner's instructions in English shall be supplied with each vehicle.	
17	Color	Standard color	
18	Proven Performance	The Motorcycle offered shall be under standard production by the manufacturer and should be current model.	
19	Warranty	Manufacturer shall provide a minimum of One year warranty after acceptance.	
20	Delivery	The motorcyles, shall be delivered to: Social Health Security Development Committee, Teku.	