

Technical Specifications

MOTORCYCLE 160 CC (± 5 cc)

1 unit

S. No.	CRITERIA	REQUIREMENT	OFFERED SPECIFICATION
1	General	Motor cycle of sturdy design, suitable for driving on urban and rough road conditions.	Make: Model:
2	Engine	160 CC (± 5), Four Stroke Petrol engine, developing maximum output power not less than 15 PS at governed RPM and Maximum torque output not less than 14 N-m, for efficient running of motor cycle.	
3	Emission Standard	The emission standard of the offered vehicle must be in compliance with or superior than the applicable Standard as prescribed by Nepal Vehicle Mass Emission Standard which is to be certified by Department of Transport Management.	
4	Gauges	To include speedometer / odometer, Turn signal indicator, neutral indicator, fuel gauge etc. as necessary for efficient operation and maintenance.	
5	Transmission	Minimum Five speed	
6	Brake	Front: Disc Rear: Disc/ Drum	
7	Tyre	Standard tubeless road tyre	
8	Weight and Dimensions	Ground Clearance: Not less than 165 mm Fuel Tank Capacity: Not less than 12 L Kerb Weight: Not less than 135 Kg	
9	Electrical System	1. Battery: 12V 2. Starting system: Self or Self and Kick	

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10	Essential Accessories	1. Head light, rear and turn signal lights 2. Two rear view mirrors 3. lock for steering 4. Seat for co-rider 5. Helmet ¹ - 1 Nos. 6. Leg guard To be equipped with all standard accessories of offered model but not limited to above items	
11	Instructions	All signs and instructions in the vehicle shall be in English	
12	Manuals	One copy of the Operator's and Owner's Instructions Manual in English shall be supplied with each vehicle	
13	Tools	A set of tools as required for general maintenance shall be supplied.	
14	Initial Service	Initial service for first year shall be provided as per manufacturer standard.	
15	Warranty	Manufacturer shall provide a minimum of one-year warranty after acceptance	
16	Delivery	The Motorcycles shall be delivered to Dakshinkali Municipality office, Pharping, Kathmandu	

Note:

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



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Cost Estimate for Unit Motorcycle of Class 160 CC (± 5 CC)

Main Specification:

The major technical specifications of the Motorcycle intended to be purchased by Dakshinkali Municipality office are stated as follows:

1. Type: Sturdy design, suitable for driving in all conditions.
2. Starting system: Self or Self and Kick
3. Minimum ground clearance: 165 mm
4. Engine: 160 CC (± 5 CC)
5. Power output at the governed RPM: Not less than 15 PS
6. Torque output at the governed RPM: Not less than 14.0 N-m
7. Fuel Tank Capacity: Not less than 12L
8. Essential Accessories: As per stated on Technical Specification
9. Warranty: A minimum of one-year warranty after acceptance

Based on the enquiries recently made with suppliers and the budget allocated for the procurement of the motorcycle, the cost of the motorcycle intended to be purchased having above technical specification is estimated below:

S.N.	Description	Quantity	Estimated Cost (Including VAT)
1	Motorcycle as per criteria of technical specification	1 (one)	3,48,000.00 (In words: Three Forty Eight Thousand only)



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