

Technical Specifications for Motorcycle (125 cc +/- 0.5 cc)

MOTORCYCLE (125 ±0.5%) CC

Nos. 9 Units

| S.N. | CRITERIA | REQUIREMENT | OFFERED SPECIFICATION |
|------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| 1 | General | Motorcycle suitable for normal and rough road driving in Nepal at an altitude up to 2000 m and in ambient temperature -5 to 50 degree centigrade. Weight shall not be less than 110 kg and shall have seating capacity for at least 2 passenger including driver. | Make: Model: Country of Origin: |
| 2 | Engine | 4 - stroke, 125cc (+/-0.5%), petrol engine, developing maximum rated power output not less than 8 ps at governed RPM & Torque not less than 10 Nm, shall fully equipped with accessories for efficient full loadf 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 175 mm. | |
| 8 | Suspension | Front; Telescopic hydraulic shock absorbers Rear; Swing arm with double hydraulic shock | |
| 9 | Tires | Standard Size, factory fitted tubeless | |
| 10 | Starting | Self starter/Kick starter | |
| 11 | Brake | Front: Disc; Rear: Internal Expanding Shoe Type | |
| 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 signal 3. Speedometer | |
| 15 | Instruction | 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 motor cycle offered shall be standard production by manufacturer and should be current model.. | |
| 19 | Warranty | Manufacturer shall provide a minimum of one year warranty after acceptance | |
| 20 | Delivery | Within Four weeks after agreement date | |

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.

Cost Estimate for the Purchase of Motorcycle

The major technical specification of the Motorcycle that is intended to be purchased by **Nepalgunj Sub Metropolitan City** is as follows:

1. **Type: Motorcycle (125±0.5%)CC**
2. Max. Power output at governed RPM: Not less than 8 ps
3. Max. Torque output at governed RPM: Not less than 10 Nm
4. Ground clearance : Minimum 175 mm
5. Transmission : Minimum 4 Speed

Based on the past experiences of procurement and enquiries recently made with suppliers, and the latest vehicle rate published by NADA; the cost of the Motorcycle intended to be purchased having above technical specification is estimated as below:

| S. No. | Description | Quantity | Tentative Estimated Cost (in Rs.) including VAT | Total Tentative Estimated Cost (in Rs.) including VAT | Remarks |
|----------------------------------------------|-------------|----------|-------------------------------------------------|-------------------------------------------------------|----------------|
| 1. | Motorcycle | 9 units | 2,10,000.00 | 18,90,000.00 | Estimated cost |
| Grand-Total Cost for a lot (with VAT) | | | | 18,90,000.00 | |

In words: Eighteen lakh ninety thousand only.

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Er. Hari Sharan Chaulagain