


Technical Specification

Owner:-Marin Rural Municipality, Kapilakot (Sindhuli)

Motorcycle (220 cc category) - One unit

S. N.	CRITERIA	TECHNICAL REQUIREMENTS	OFFERED SPECIFICATION
1	General	Motorcycle of sturdy design, suitable for driving in rough and hilly road condition of Nepal having Kerb weight of minimum 145 Kg. Should have electric self start and kick start arrangement for starting engine. Manufacturing year must be 2022 or onwards.	Model - Kerb Weight - Starting system:
2	Engine	Air cooled four stroke gasolina system engine with engine displacement of range 220±(15%) cc developing power and torque not less than 20.0 HP and 18 Nm respectively at the governed RPM.	Engine displacement- Maximum output power- Maximum Torque-
3	Guages	To include instrument panel with speedometer/odometer, fuel level indicator, etc as necessary for efficient operation and maintenance of the vehicle.	
4	Transmisi3n	Minimum five speed	
5	Brake	Mechanical or Hydraulic Brake with disc brake at the front and drum/disc brake at rear.	
6	Frame	Sturdy frame and suspension with telescopic shock absorbers.	
7	Ground Clearance Wheel Base	Minimum 160 mm Minimum 1340 mm	
8	Fuel tank capacity	Minimum 12 litres	
9	Essential Accessories	1. Head light, rear and turn signal lights 2. Two rear view mirrors 3. Safety/handle lock 4. Seat for co-rider 5. Helmet -1 No.	
10	Instructions	All signs and instructions on the motorcycle shall be in English.	
11	Manuals	One set of following Manual in English shall be supplied with motorcycle - Operator's and Owner's Instruction.	
12	Tools	Set of tools as required for general maintenance shall be supplied with the unit.	
13	Proven Performance	The Supplier should provide the manufacturers' data about the performance of the unit including the fuel consumption and performance curve of the engine.	


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 Sindhuli

		the engine.	
14	Tyre	Standard tubeless road tyre	
15	Colour	Any standard color	
16	Warranty	Manufacturer shall provide a minimum of one year warranty.	
17	Emission standard	The Supplied vehicle shall meet Latest Nepal vehicle mass emission standard which must be certified by Department of Nepal Transport Management.	
18	Initial Service	The supplier make arrangements for the first two free servicing in a year after acceptance.	
19	Delivery	The motorcycle shall be delivered to: Marin Rural Municipality Office of the rural municipal executive Kapilakot (Sindhuli) Bagmati Province , Nepal	

Note: 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 offer.

Bidder's Signature.....

Date

Prepared By:

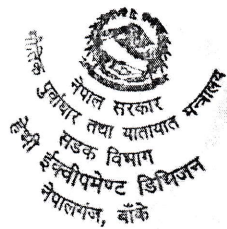
Om Bahadur Thapa

Mechanical Engineer

Heavy Equipment Division, Nepalgunj

Sign and Date:-


Om Bahadur Thapa
मेकानिकल ईन्जिनियर



Technical Specification

Owner:- Marin Rural Municipality, Kapilakot (Sindhuli)
Motorcycle -1 unit

S. N.	CRITERIA	TECHNICAL REQUIREMENTS	OFFERED SPECIFICATION
1	General	Motorcycle of sturdy design, suitable for driving in rough and hilly road condition of Nepal having Kerb weight of minimum 135 Kg . Should have electric self start arrangement for starting engine. Manufacturing Year must be 2022 or onwards.	Model - Kerb Weight - Manuf. Year-
2	Engine	Air cooled four stroke gasoline system engine with engine displacement of range 150±(10%) cc developing power and torque not less than 14 PS and 13 Nm respectively at the governed RPM.	Engine displacement- Maximum output power- Maximum Torque-
3	Gauges	To include necessary gauges and meters for efficient operation and maintenance of the vehicle.	
4	Transmission	Minimum five speed with manual gear	
5	Brake	Mechanical or Hydraulic Brake with disc brake at the front and disc/drum brake at rear.	
6	Frame & suspension	Sturdy frame and suspension with telescopic shock absorbers.	
7	Ground Clearance Wheelbase	Minimum 160 mm Minimum 1320 mm	GC- WB- FT-
8	Fuel tank capacity	Minimum 12 litres	
9	Essential Accessories	1. Head light, rear and turn signal lights 2. Two rear view mirrors 3. Safety/handle lock 4. Seat for co-rider 5. Helmet-1 6. Legguard	
10	Instructions	All signs and instructions on the motorcycle shall be in English.	
11	Manuals	One set of Operator's and Owner's Instruction Manual in English shall be supplied with each motorcycle	
12	Tools	One Set of tools as required for general maintenance shall be supplied with each unit.	
13	Proven Performance	1. The motor cycle offered shall be a current model under standard production by the manufacturer for at least one year. 2. The bidder shall provide the manufacturer's data of the performance of the unit to include the fuel consumption,	


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		performance curve of the engine etc.	
14	Tyre	Standard tubeless road tyre	
15	Colour	Any standard color	
16	Warranty	Manufacturer shall provide a minimum of one year warranty.	
17	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.	
18	Initial Service	The supplier make arrangements for the first two free servicing in a year after acceptance.	
19	Delivery	The motorcycle shall be delivered to: Marin Rural Municipality Office of the municipal executive Kapilakot (Sindhuli) Bagmati Province , Nepal	

Note: 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 offer.

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