


# Technical Specifications

## Motorbike-2 Units

S.N	CRITERIA	OFFICE REQUIREMENT	OFFERED SPECIFICATION
1	General	<b>High end bike</b> , suitable for driving both in ON-ROAD condition giving smooth economical performance and in OFFROAD conditions capable of delivering strong adequate traction and maneuverability/stability needed for safe driving in rough, sandy or slippery and hilly road conditions in Nepal at an altitude of 2000 meter and in ambient temperature between -5 <sup>0</sup> C to 45 <sup>0</sup> C. <b>Gross Vehicle Weight of the vehicle not be more than 139 (+/- 5%) Kgs.</b>	Make: Model: Country of Origin:
2	Engine	<b>Air cooled single cylinder 150 (+/- 5%) cc 4 stroke - SOHC, 2-valve petrol Engine</b> , developing SAE rated <b>flywheel Power output not less than 12.4 P.S and Torque not less than 13.3 N-m</b> at rated RPM with an efficient <b>fuel injection system</b> having precisely control air fuel ratio for high efficiency in response to all loads and operating conditions. The Engine shall be fully equipped with all necessary items/ accessories and controlling devices for safe, smooth, efficient, economical operation and optimizing vehicle performance producing lesser amount of pollutive emissions.	Make: Model:
3	Emission Standard	The emission standard of the offered vehicle must be bs6 Standard. <b>Standard as prescribed by Nepal Vehicle Mass Emission Standard which must be certified by Department of Transport Management.</b>	
4	Gauges	Fitted with all the gauges, indicators, signals as necessary for efficient operation, functional monitoring, vehicle performance and .	
6	Transmission	Manual shift <b>at least five.</b>	
7	Ground clearance	<b>Minimum 165 mm.</b> Higher ground clearance preferred	
9	Suspension	Suitable for toughest terrain, smooth ride, stable handling and comfortable driving conditions. <b>Front: Telescopic fork Rear: 7-Step Adjustable Monocross Suspension</b>	
10	Tyres	Should not be less than Front :-100/80-17 Rear :-140/60R17	
11	Brakes	Front - <b>Disc type</b> , Rear -Disc Type (Single Channel ABS)	
12	Body	High density plastic and Steel body . (Height should not be less than 1 metres)	
13	Chassis and Frame	Steel, heavy duty high rigidity frame structure suitable for rough road conditions .	



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14	Essential Accessories	<ol style="list-style-type: none"> <li>1. Electric start</li> <li>2. Speedometer:-Digital</li> <li>3. Tripmeter:-Digital</li> <li>4. Odometer:-Digital</li> <li>5. Full helmet(Brande, one with each unit)</li> <li>6. Standard Leg Guard</li> <li>7. Alloy Wheels</li> <li>8. Tubeless Tyre</li> </ol> <p>Equipped with all accessories offered in standard model but not limited to the above items. Note: All accessories and fitting items shall be approved by Mechanical Engineer before supply.</p>	
15	Instructions	All signs and instructions in the vehicle shall be in English.	
16	Manuals	One copy of the Operator's and Owner's Instructions and Maintenance manual; Spare Parts Catalogue & Comprehensive workshop Manual in English shall be supplied with each vehicle.	
17	Tools	A set of tools, with a tool bag and first aid kit box, as required for general maintenance shall be supplied with each unit.	
18	Color	Standard Color	
19	Fuel Tank Capacity	Shall not be less than <b>10 litres</b>	
20	Proven performance	<ol style="list-style-type: none"> <li>1. The vehicle offered shall be a current model under standard production by the manufacturer for <b>at least one year and the manufactured date should not be more than 1 year ago.</b></li> <li>2. The bidder shall provide the manufacturer's data of the performance of the unit to include the fuel consumption, performance curve of the engine and production capacity.</li> </ol>	
21	Warranty	<p>Against manufacturing defects for minimum 2 years or 20,000 km whichever is earlier.</p> <p>Atleast five free servicing in a year after acceptance</p>	
22	Delivery	<p>High end Motorbike 2 unit, shall be delivered to:</p> <p><b>Likhu Rural Municipality Office, Dhobi Bajar ,Ramechap-Bagmati Province</b></p>	



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