



Government of Nepal
Omsatiya Rural municipality
Rupandehi
Lumbini Province

Procurement of Motorcycle and Scooter

Date: 2081/06/16

To,
Omsatiya Rural municipality
Rupandehi
Lumbini Province

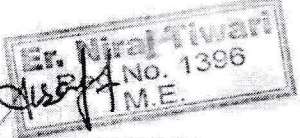


Subject: Specification of Motorcycle and Scooter.

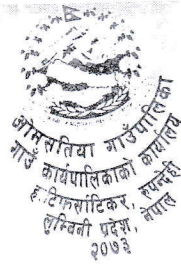
Dear Sir,

As per the request letter numbered 572-2081/082 dated 2081/06/15 I have prepared technical specification of motorcycles and scooter. The recommended model is best model, economic in performance and spare parts and service are easily available. Hence I have submitted specification of respective motorcycles and scooter below.

Faithfully Yours,


Er. NIRAJ TIWARI
MECHANICAL ENGINEER
REG NO -1396

विपिन क्षेत्री
प्रमुख प्रशासकीय अधिकृत



Specification:

1. Motorcycle 220 cc

S.N.	Particular	Technical criteria
1.	BODY DIMENSION	
	Overall Length	Not less than 2030 mm
	Overall Width	Not less than 750 mm
	Overall Height	Not less than 1160 mm
	Ground clearance	Not less than 160 mm
	Weight	Not less than 140 kg
	Fuel tank capacity	Not less than 15 liters
	Wheelbase	Not less than 1350 mm
2.	ENGINE	
	Displacement	220±10 cc
	Engine type	4 stroke, DTS-I, Oil cooled single cylinder
	Max power	Not less than 20 PS @ 8500 rpm
	Max torque	Not less than 18 Nm @ 7000 rpm
	Drive Type	Chain Drive
	Starting	Electric Starter
	Fuel Supply	Carburetor
3.	CLUTCH	
	Clutch	Wet, Multiple Disc
	Transmission	Constant mesh, 5 speed
	TYRE & BRAKES	
	Tyre size front	90/90-17
Tyre size rear	120/80-17	
Tyre type front /rear	Tubeless	
Brak type	280 mm Disc ABS (front), 230 mm Disc (rear)	
4.	SUSPENSION	
	Front Suspension	Telescopic fork with anti friction bush
	Rear Suspension	5 way Adjustable Nitrox shock absorber
5.	ELECTRICALS	
	System	12 V full DC
	Headlamp	Low - projector lamp 55W, High - Ellipsodial lamp 55 W with auto Headlamp On
	Turn Signal Lamp	Any
	Battery Capacity/Type	12 V

(Signature)
Er. Niraj Tiwari
 Reg No. 1396
 M.E.


(Signature)

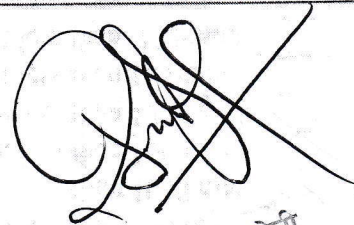
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1. Motorcycle 150 cc

S.N.	Particular	Technical criteria
1.	BODY DIMENSION	
	Overall Length	Not less than 1900 mm
	Overall Width	Not less than 770 mm
	Overall Height	Not less than 1050 mm
	Ground clearance	Not less than 150 mm
	Weight	Not less than 120 kg
	Fuel tank capacity	Not less than 10 liters
	Wheelbase	Not less than 1300mm
2.	ENGINE	
	Displacement	not less then 149 cc
	Engine type	Air cooled 4 stroke 2 Valve
	No of cylinder	1
	Emission Type	BS4/6
	Max power	12 PS@7200 rpm not less then
	Max torque	12 NM @ 5500 rpm not less then
	Drive Type	Chain Drive
	Starting	Electric Starter
	Fuel Supply	Fuel Injection
	Clutch	Wet, Multiple Disc
	Compression Ratio	9.5:1
	Transmission	Constant mesh, 5 speed
3.	TYRE & BRAKES	
	Tyre size front	Standard size
	Tyre size rear	Standard size
	Tyre type front /rear	Tubeless
	Brak type	Disc(front)/ (rear)
4.	FRAME & SUSPENSION	
	Chassis Type	Diamond
	Front Suspension	Telescopic fork
	Rear Suspension	Adjustable monocross suspension
5.	ELECTRICALS	
	Head light	LED
	Tail Light	Any
	Turn Signal Lamp	Any
	Battery Capacity/Type	12 V


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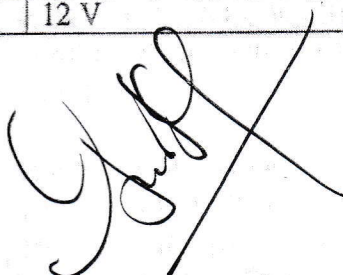


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3. Scooter 125 cc

S.N.	Particular	Technical Specification
1.	BODY DIMENSION	
	Overall Length	Not less than 1800 mm
	Overall Width	Not less than 700 mm
	Overall Height	Not less than 1170 mm
	Ground clearance	Not less than 170 mm
	Kerb Weight	Not less than 104 kg
	Fuel tank capacity	Not less than 5.0 liters
	Wheelbase	Not less than 1200 mm
2.	ENGINE	
	Displacement	Not less than 120cc (Minimum)
	Max Power	Not less than 6.00kW@6000 rpm
	Max Torque	Not less than 10.0 NM @ 5000 rpm
	Cooling System	Air Cooled
	Drive Type	Chain Drive
	Starting	Electric Starter
	Fuel Supply	Fuel Injection
	Compression Ratio	10:1
Transmission	Automatic Transmission	
3.	TYRE & BRAKES	
	Tyre size front	Standard
	Tyre size rear	Standard
	Tyre type front /rear	Tubeless
	Wheel Size	12/10 Inch
	Brak type	Disc (front)/ Drum (rear)
4.	FRAME & SUSPENSION	
	Chassis Type	Underbone
	Front Suspension	Telescopic
	Rear Suspension	3 step Adjustable Spring loaded Hydraulic
5.	ELECTRICALS	
	Headlight	5 Ah
	Battery	12 V


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Estimated Cost of Motorcycle and Scotter.

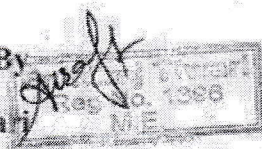
S.N.	Description	QTY	Rate		Remarks
			In figure	In words	
1	Motorcycle 220 cc	1 Set	4,10,000.00	Four Lakh Ten Thousands Rupees only.	
2	Motorcycle 150 cc	1 Set	3,55,000.00	Three Lakh Fifty Five Thousands Rupees only.	
3	Scotter	1 Set	2,35,000.00	Two Lakh Twenty Thousands Rupees only.	

Prepared By

Niraj Tiwari

Mechanical Engineer

REG NO - 1396



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