



कालिका नगरपालिका  
नगर कार्यपालिकाको कार्यालय  
रेडक्रसग्राम, चितवन

**हेभि इक्वीपमेन्ट र सवारी साधन खरिद सम्बन्धी सूचना**

(प्रथम पटक प्रकाशित मिति: २०७६/०५/१७)

यस कार्यालयको आ.व. २०७६/०७७ को स्वीकृत वार्षिक कार्यक्रमअनुसार कार्यालयलाई आवश्यक पर्ने देहायबमोजिमको सवारी साधन तथा हेभि इक्वीपमेन्ट सार्वजनिक खरिद ऐन, २०६३ को दफा ८ को उपदफा (१) खण्ड (क) को देहाय (द) तथा सार्वजनिक खरिद नियमावली, २०६४ को नियम ३१ख. बमोजिम सवारी साधन उत्पादक कम्पनी वा सो को आधिकारिक विक्रेताहरू बीच प्रतिस्पर्धा गराउने (क्याटलग सपिङ्ग) विधिबाट खरिद गर्नुपर्ने भएकोले इच्छुक इजाजतप्राप्त उत्पादक कम्पनी वा त्यसको आधिकारिक विक्रेताहरूले तपशिलमा उल्लेख भएका कागजातहरू संलग्न राखी सूचना प्रकाशित भएको मितिले ७ (सात) दिनभित्र यस कार्यालयमा प्रस्ताव दर्ता गर्नुहुन सम्बन्धित उत्पादक वा आधिकारिक विक्रेताहरूको जानकारीको लागि यो सूचना प्रकाशित गरिएको छ।

**हेभि इक्वीपमेन्ट तथा सवारी साधनको विवरण**

क्र. सं.	सवारी साधनको नाम	संक्षिप्त विवरण (Specification)	संख्या
१	Backhoe Loader	<p><b>General:</b> All wheel drive, rigid frame with steel cab, suitable for operation under rough working conditions and adverse climatic condition at operating altitude of 200m and ambient temperature varying between -5°C to 50°C.</p> <p><b>Engine:</b> Water cooled diesel Engine, developing SAE rated HP 90± 5% hp fully equipped with accessories at governed RPM and Torque not less than 400N-m . Equipped with radiator, direct electric starting system, battery, air cleaner, fuel filter, with water trap and drainage in fuel line and drain tap in fuel tank.</p> <p><b>Capacity:</b> Loader- general purpose bottom dump(6-in-1 bucket with bolt on teeth of SAE rated capacity nominally heaped at least 1 cu.m with min break out force of 6100±10%kgf. Min dump height 2.91m/ Backhoe bucket with bolt on teeth of SAE rated capacity at least 0.30 cu.m with minimum tear out force 6100±5% kgf. Min working height 6000 mm/ min digging depth: 5300 mm. Min digging reach 7500mm (ground level) from Axle centre. Stabilizer spread not less than 3.90m.</p> <p><b>Transmission:</b> Torque converter with four speed power shift/shuttle type .</p> <p><b>Axles:</b>4wheel drive with fixed rear axle and at least 15° oscillating front axles.</p> <p><b>Steering:</b> Power assisted. <b>Brakes:</b> Hydraulically actuated, wet multiple disc/caliper disc type.</p> <p><b>Hydraulics:</b> Hydraulic flow not less than 150LPM/ Servo control system for excavation operation. <b>Warranty:</b> minimum one year.</p> <p><b>Essential Accessories:</b> As per stated on Technical Specification.</p>	१
२	Motor bike	<p><b>General:</b> Motorbike designed and manufacture as per IS standards. <b>Engine/ Transmission:</b> <b>Type:</b> 4 stroke displacement: range of (125±4) cc, <b>power max:</b> not less than 10pcs @rpm/ torque max. not less than 9.5N-m @rpm. <b>Suspension:</b> Diamond frame and suspension with telescopic spring loaded hydraulic type/ <b>Ground clearance:</b> not less than 155mm. <b>Tyre:</b> front and rear tubeless / <b>Brake:</b> front petal disc rear drum/ Disc brake. <b>Battery</b> 12 V, Ac generator/ Tank- at least 10ltrs. <b>Warranty:</b> Minimum 2 years/ <b>Emission Standard:</b> should meet Nepal Vehicles Mass Emission Standard 2069. <b>Accessories:</b> 1 helmet 2 leg guard 2 rear view mirrors 3 Full insurance of 1 year.</p>	५
३	Scooter	<p><b>General:</b> suitable on rough road condition. <b>Engine/ Transmission:</b> <b>Type:</b> 4 stroke/ displacement: range of (110±2) cc, <b>power max:</b> not less than 7.8php @rpm/ torque max. not less than 8.5N-m @rpm. <b>Suspension:</b> front telescopic rear monoshock ground/ <b>Ground clearance:</b> not less than 148mm. <b>Brake:</b> front drum rear drum brake. <b>Battery</b> 12 V, 3.0Ah, Ac generator/ Tank- at least 5ltrs. <b>Warranty:</b> Minimum 1 year/ <b>Emission Standard:</b> should meet Nepal Vehicles Mass Emission Standard 2069. <b>Accessories:</b> 1 helmet, 2 rear view mirrors 3 Full insurance of 1 year.</p>	२


संलग्न कागजातहरू: १. कम्पनी दर्ता/ नवीकरण प्रमाणपत्र २. कर चुक्ता प्रमाणपत्र ३. आधिकारिक विक्रेताको हकमा सम्बन्धित कम्पनीको Letter of Authorization, ४. दररेट उल्लेख भएको प्रस्ताव ५. उत्पादक कम्पनीबाट जारी Catalogue ६. अन्य कागजातहरू

यस  
पुरी  
संक्षिप्त

## Technical Specifications of Backhoe Loader

Unit: 1

SN	Criteria	Departmental Requirement	Offered Specification
1	General	All wheel drive, rigid frame backhoe loader with Steel cab, suitable for operation under rough working conditions and adverse climatic condition at operating altitude of 2000 m and ambient temperature varying between -5°C to 50°C.	Make: Model: Country of Origin:
2.	Engine	Water cooled diesel Engine, developing SAE rated <b>horsepower 90± 5%hp</b> (engine fully equipped with accessories) at governed RPM and <b>Torque not less than 400N-m</b> for efficient full load operation. Backhoe shall be equipped with radiator, direct electric starting system, battery, air cleaner, fuel filter, with water trap and drainage in fuel line and drain tap in fuel tank.	Make: Model:
3.	Capacity	<ol style="list-style-type: none"> <li>1. Loader : General purpose bottom dump (6-in-1 bucket with bolt on teeth of SAE rated capacity nominally heaped at least <b>1 cu.m</b> with minimum break out force of <b>6100± 10 %kgf</b>.</li> <li>2. Minimum Dump height: <b>2.91m</b></li> <li>3. Backhoe Bucket with bolt on teeth of SAE rated capacity at least 0.30 cu.m. with minimum tear out force <b>6100±5 % kgf</b>. And following working ranges: <ul style="list-style-type: none"> <li>• Minimum working height: <b>6000 mm</b>.</li> <li>• Minimum digging depth: <b>5300 mm</b>.</li> <li>• Minimum digging reach: <b>7500 mm</b> (Ground Level) from rear Axle centre</li> </ul>                     Out triggers with controls from cabin shall be provided.                 </li> <li>4. Stabilizer spread <b>not less than 3.90 m</b></li> </ol>	
4.	Gauges	To include ammeter, water temperature, fuel, oil pressure, transmission and hydraulic gauges as necessary for efficient operation and maintenance.	
5	Transmission	<b>Torque converter with four speed power shift/shuttle type</b> of transmission.	
6	Axles	<b>Four wheel drive</b> with fixed rear axle and at least 15° oscillating front axles.	
7.	Tires	Suitable <b>tires with tubes</b> for operating machine in rough road conditions shall be provided.	
8.	Steering	Power assisted.	
9.	Brakes	Hydraulically actuated, wet multiple disc/ caliper disc type service brake and separate parking brake.	

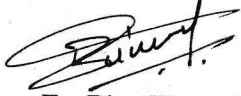


10.	Cab	All steel enclosed cab with laminated glass windscreen insulated roof, suitably located controls for back hoe and loader operation, rear view mirror, cabin light, wiper and adjustable cushioned seat for operator shall be provided.	
11.	Hydraulics	Suitable hydraulic pumps and system for smooth operation of all attachment. <ul style="list-style-type: none"> <li>• Hydraulic flow <b>not less than 150 LPM</b></li> <li>• <b>Servo control system for Excavation operation</b></li> </ul>	
12.	Essential Accessories	1. Road lights, work lights and fog lights 2. Cabin Lights 3. Service hour meter  Equipped with all accessories offered in standard model but not limited to above items.	
13.	Instructions	All signs and instructions in the equipment shall be in English.	
14.	Manuals	1. Copy of the Operator's and Owner's Instructions and Maintenance manual in English shall be supplied with equipment. 2. Copy of following manuals in English shall be supplied with equipment. <ol style="list-style-type: none"> <li>Spare Parts Catalogue</li> <li>Comprehensive workshop manual</li> </ol>	
15	Tools	A set of tools as required for general maintenance shall be supplied with a lockable tool box.	
16	Color	Orange/Construction equipment yellow.	
17	Warranty	Manufacturer shall provide a <b>minimum of one year warranty after acceptance.</b>	
18	Delivery	Should be delivered to Kalika Municipality, Chitwan, Nepal.	

**Note:**

1. Bidder is required to submit documentary evidence showing that the manufacturer's representative in Nepal has been providing after sales services for at least past 5 years.
2. 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 as per ITB 31.3.

Prepared by,



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Bharatpur Metropolitan City, Bharatpur, Chitwan, Nepal



## Technical Specification of Motorcycle

QTY 6 Units

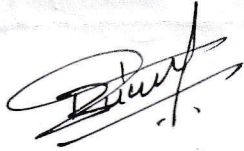
SN	Criteria	Departmental Requirement	Offered Specification
1	General	Motorbike (2 wheeler) shall be designed and manufacture as per IS standards and sound engineering practice with advance & additional feature. All material used in fabrication/construction of the vehicle shall be new as per international standards	Make: Model: Country Of Origin:
2	Engine and transmission	Type: 4 stroke Displacement: range of(125 +/-4)cc Power max: not less than 10PS at rated rpm Torque max: not less than 9.5N-m at rated rpm Cylinder arrangement: Single	Make:  Model:
4	Suspension	Diamond frame and suspension with telescopic spring loaded hydraulic type	
5	Chassis& Dimensions	Ground Clearance: not less than 155mm	
6	Wheels and Brakes	Tyre(Front): ( Tubeless) Tyre(Rear): ( Tubeless) Brake( Front): <b>Petal Disc</b> Brake (Rear): <b>Drum/Disc Brake</b>	
7	Electricals	Battery: 12V Alternator:AC Generator Fuel tank capacity: minimum 10 liters	
8	Weight and Acceleration	Kerb Weight: minimum <b>120 kg</b> Maximum speed: not more than <b>150Kmph</b>	
9	Tools	A set of tools as required for general maintenance shall be supplied with in a lockable tool box for each unit.	
10	Warranty	Manufacturer shall provide a <b>minimum two (2) years warranty after delivery.</b>	
11	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	
12	Accessories and Features	<b>1 Helmet 2 Leg guard 2 Rear view mirrors 3 Full insurance of 1 year</b>	



13	Delivery	6 units Motorbike be delivered to: <b>Kalika Municipality, Chitwan, Nepal.</b>	
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**Note:** The major items are indicated by Bold and highlighted letters/alphabets/figures in the technical specifications. Non-compliances of these major items will result in non-responsiveness of the bid.

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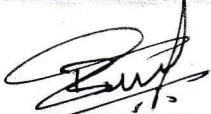
## Technical Specification Evaluation Sheet of Scooter

QTY 2 Units

SN	Criteria	Departmental Requirement	Offered specification
1	General	Scooter of sturdy design, suitable for driving on rough road condition	Make: Model:
2	Engine and transmission	Four Stroke, Air/Fancooled Petrol engine Minimum 110 (+/- 2cc) CC developing Maximum net power not less than 7.8bhp at governed RPM and Maximum torque output not less than 8.5 Nm, for efficient running of motorcycle, Starting system with self & kick.	Make: Model:
4	Suspension, ground clearance and kerb weight	Front ; Telescopic Rear :Monoshock Ground Clearance not less than 148 mm Not Less than 101 Kg	
6	Brakes	Brake( Front): <b>Drum</b> Brake (Rear): <b>Drum Brake</b>	
7	Electricals	Battery:                         12V, 3.0 Ah Alternator:                     AC Generator Head Lamp:                    12v 35/35W LED Fuel tank capacity:         minimum 5 liters	
8	Proven performance	1.The motorcycle 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, performance curve of the engine etc	
9	Tools	A set of tools as required for general maintenance shall be supplied with in a lockable tool box for each unit.	
10	Warranty	Manufacturer shall provide a <b>minimum one (1) year warranty after delivery.</b>	
11	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	
12	Accessories	1. Helmet 2. Side indicator 3. Rear view mirrors	

13	Delivery	Motorbike be delivered to: <b>Kalika Municipality, Chitwan, Nepal.</b>	
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