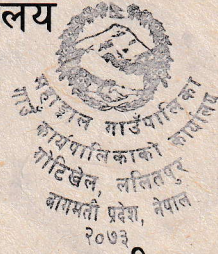




महकाल गाउँपालिका  
गाउँ कार्यपालिकाको कार्यालय  
गोटिखेल, ललितपुर  
बागमती प्रदेश, नेपाल



क्याटलग सपिङ्ग विधिबाट व्याक हो लोडर खरिद सम्बन्धी सूचना

प्रथम पटक प्रकाशित मिति : २०८०/०६/०४

यस गाउँपालिकालाई आवश्यक तपसिल अनुसारको व्याक हो लोडर सार्वजनिक खरिद ऐन र नियमावलीमा व्यवस्था भए बमोजिम उत्पादन कम्पनी वा सो को आधिकारिक बिक्रेताहरु बीच मात्र प्रतिस्पर्धा गराउने (क्याटलग सपिङ्ग) विधिबाट खरिद गर्नुपर्ने भएकोले ईच्छुक इजाजत प्राप्त उत्पादक कम्पनी वा आधिकारिक बिक्रेताहरुलाई तोकिए बमोजिमका कागजातहरु सहित तपसिल बमोजिमको व्याक हो लोडरको आधिकारिक स्पेसिफिकेशन, गुणस्तर, मूल्य र सुविधा सहितको विवरण (क्याटलग वा ब्रोसर) संलग्न राखी यो सूचना प्रकाशित भएको मितिले १६ औं दिनको १२:०० बजे सम्म यस कार्यालयमा रितपूर्वक शिलवन्दी निवेदन दर्ता गराउन आह्वान गरिएको छ । यस सम्बन्धी विस्तृत सूचना यस कार्यालयको सूचना पाटी तथा [www.mahankalmun.gov.np](http://www.mahankalmun.gov.np) मा समेत हेर्न सकिनेछ ।

तपसिल :

क्र. स.	ठेका नं.	सवारी साधनको विवरण	सक्षिप्त विवरण	परिमाण	कैफियत
१	MRM/BK_HO_LDR/01/2080/081	व्याक हो लोडर	व्याक हो लोडर	१ (एक)	सक्षिप्त विवरणमा उल्लेख नभएका कुराहरु स्वीकृत प्राविधिक स्पेसिफिकेशन बमोजिम हुने छ ।

अशोक बिष्ट  
प्रमुख प्रशासकीय अधिकृत  
अशोक बिष्ट  
प्रमुख प्रशासकीय अधिकृत



# Technical Specifications

Backhoe Loader

..... No/s

S.N.	CRITERIA	REQUIREMENT	OFFERED SPECIFICATION
1	General	Four wheel drive, rigid frame backhoe loader with steel cab, suitable for operation under rough working conditions and adverse climatic condition at operating altitude ranging from 80 m to 2500 m (msl) and ambient temperature varying between -10° C to 50° C.	
2	Capacity / Size	<b>1. Operating Weight: 8000 kg±10%</b> <b>2. Loader: Multi purpose (6-in-1, to facilitate dozing, digging, grading, backfilling, grabbing and loading application) bucket with bolt on teeth of SAE rated capacity nominally heaped: Not less than 1 cu.m</b> <b>&gt; Shovel break out force: Not less than 5250 kgf</b> <b>&gt; Maximum dumping height: Not less than 2700 mm</b> <b>3. Backhoe: Backhoe bucket with bolt on teeth of SAE rated capacity of 0.3 cu.m. ±10%</b> <b>&gt; Bucket break out force: Not less than 5400 kgf</b> <b>&gt; Maximum working height: Not less than 6000 mm</b> <b>&gt; Maximum digging depth : Not less than 4800 mm</b> <b>&gt; Maximum loadover height: Not less than 4000 mm</b> <b>&gt; Maximum digging reach: Not less than 6800 mm (From ground level to rear wheel centre)</b> <b>To be equipped with out riggers with controls from cabin.</b>	
3	Engine	Water cooled, Diesel engine, developing Maximum Gross Power not less than 90 HP (engine fully equipped with accessories) at governed RPM and Maximum Torque not less than 390 N-m for efficient full load operation of backhoe loader at operating conditions as stated in the bid document. Backhoe loader shall be equipped with heavy duty radiator, cold starting device, direct electric starting system, heavy duty battery, heavy duty air cleaner, heavy duty fuel filter, with water trap and drainage in fuel line and drain tap in fuel tank.	
4	Transmission	Torque converter with four speed synchromesh type of transmission	
5	Axles	Four wheel drive with fixed rear axle and oscillating front axles.	
6	Steering	Power assisted	
7	Brakes	Hydraulically actuated, wet multiple disc/caliper disc type service brake and separate parking brake	
8	Hydraulics	Suitable hydraulic system for smooth operation of all attachments Hydraulic System Pressure: <b>Not less than 220 Bar</b> Maximum pump flow: <b>Not less than 115 LPM</b>	
9	Cab	All steel enclosed FOPS cab with laminated glass windscreen insulated roof, suitably located controls for back hoe (excavator) and loader operation, rear view mirror, cabin light, wiper and adjustable cushioned seat for operator shall be provided	
10	Essential Accessories	1. Road lights, work lights and fog lights 2. Cabin lights 3. Service hour meter <b>Equipped with all accessories offered in standard model but not limited to the above items.</b>	
11	Instructions	All signs and instructions in the equipment shall be in English	
12	Manuals	One copy of the Operator's and Owner's Instructions and Maintenance manual in English shall be supplied with each equipment	

*Signature*  
Mechanical Engineer

*Signature*  
अशोक बिष्ट  
प्रमुख प्रशासकीय अधिकृत

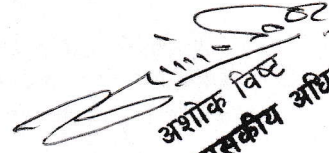
13	Tools	A set of tools including hydraulic jack with handle as required for general maintenance shall be supplied with in a lockable tool box/tool bag for each unit	
14	Warranty	Manufacturer shall provide a <b>minimum of one year warranty</b> after delivery	
15	Delivery	The Backhoe Loader, ..... Unit/s shall be delivered to following places in Nepal: ....., NEPAL	

Prepared by:-

Prem Prasad Rijal  
Mechanical Engineer

**Mechanical Engineer**

Approved by:-

  
अशोक विष्ट  
प्रमुख प्रशासकीय अधिकृत





## Cost Estimate for the Purchase of Backhoe Loader

The major technical specification of the Backhoe Loader that is intended to be purchased by Mahankal Rural Municipality is as follows;

1. Type: 4 WD with bottom dump(6-in-1) bucket
2. Loader break out force: Minimum 5250 kgf Class
3. Loader maximum dumping Height: Minimum 2700 mm
4. Backhoe bucket break out force: Minimum 5,400 kgf
5. Backhoe maximum working height: Minimum 6000 mm
6. Gross power at governed RPM: Not less than 90 HP
7. Loader Bucket Capacity: 1.0 cu.m Approx. (Bottom dump (6-in-1))
8. Backhoe Bucket Capacity: 0.3 cu.m Approx
9. Transmission: Torque Converter/Hydrostatic and Power shift transmission
10. Axle: 4 WD with fixed rear axle and oscillation front axles

Based on the past experiences and quotations/enquiries made with suppliers: the cost of the Backhoe Loader intended to be purchased having above technical specification is estimated as below;

S.No	Description	Quantity	Unit Estimated Cost (In Rs.) (including Custom duty and other Tax) VAT not applicable	Total Estimated Cost (In Rs.) (Including Custom duty and other Tax)	Total Estimated Cost (In Rs.) (Including Custom duty and other Tax) VAT not applicable	Remarks
1.	Backhoe Loader	1 Unit	50,00,000.00	50,00,000.00	50,00,000.00	Estimated Cost

The product catalogue/technical specifications of the following make/model considered for preparation of cost estimate:

**Make:**

TATA  
JCB  
Bobcat  
Escorts  
Bull

**Model:**

TATA Hitachi SHINRAI Power  
3 DX Super  
B760  
Digmax 3E  
HD Extension(Optional)

**Prepared By:**

Parkash Bahadur Oli  
Sub-Engineer

सब-इन्जिनियर

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