



Kaligandaki Rural Municipality
Office of Rural Municipal Executive
Birgha, Syangja

Invitation for Catalogue Shopping of Vehicle

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Office of Rural Municipal Executive, Kaligandaki Rural Municipality, Syangja intends to procure backhoe loader as listed on the table below, under the Catalogue Shopping procedure as described on the Public Procurement Act, 2063. All eligible manufacturers or authorized dealers are invited to submit sealed proposal with their catalogue containing technical data, specifications, price and services within 10(ten) days of first publication date during office hour at Office of Rural Municipal Executive, Kaligandaki Rural Municipality, Syangja. The manufacturers or authorized dealer must submit Copy of Firm registration certificate, copy of business registration certificate, Copy of VAT and PAN Registration Certificate, Copy of Tax Clearance certificate for the FY 2078/79 and the letter of authorization along with the application. The detailed specification can be collected from Office of Rural Municipal Executive, Kaligandaki Rural Municipality or website (kaligandakiruralmunicipality@gmail.com)

Vehicle Type	General Specification	Quantity	Remark
Backhoe Loader	<ul style="list-style-type: none">Maximum power not less than 92HP with minimum 405 NM TorqueTorque converter with four speed synchromesh type of transmissionGround Clearance minimum 300mmSuitable Hydraulic pumps flow not less than 117 LPM and system pressure not less than 210 bar	1 unit	Specification not included in this notice shall be as per approved Technical Specification published in website.

chief administrative officer



Technical Specification of Backhoe Loader

S.N	CRITERIA	OFFICE REQUIREMENTS	OFFERED SPECIFICATION
1	General	All-wheel drive, rigid frame back hoe loader with Steel cab, suitable for operation under rough working conditions, and adverse climate condition at operating altitude of 2000m and ambient temperature varying between - 5°C to 50°C.	
2	Capacity	<p>1. Operating weight not less than 8 tonnes</p> <p>2. Loader: 6 in 1 Bucket with bolt on teeth of SAE rated capacity nominally heaped approx. 1 cu.m with shovel break out force not less than 6500 kgf.</p> <ul style="list-style-type: none"> • Dump Height: ≥ 2600 mm • Load over height: ≥ 3200 mm • Pin Height: ≥ 3600 mm • Minimum Lifting Capacity: ≥ 3000 Kgs <p>3. Backhoe: Back hoe bucket with bolt on teeth of SAE rated capacity approx. 0.3 cu.m with tear out force 5600 kgf and following working ranges:</p> <ul style="list-style-type: none"> • Minimum working height: ≥ 5600 mm • Minimum digging depth: ≥ 4600 mm • Minimum digging reach: ≥ 5700 mm (Ground Level to Swing Center) • Minimum Lifting capacity: ≥ 1500 kgs • Minimum Ground Clearance: 300 mm <p>To be equipped with controls from cabin shall be provided</p>	
3	Engine	<p>Turbocharged Water Cooled diesel Engine, developing SAE rated Gross HP not less than 92 HP with minimum 405 NM Torque with engine displacement (engine fully equipped with accessories) at governed RPM for efficient full load operation.</p> <p>Back hoe 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</p>	
4	Gauges	To include ammeter, water temperature, fuel, oil pressure, transmission and hydraulic	



		gauges as necessary for efficient operation and maintenance.	
5	Transmission	Torque converter with four speed power shift type of transmission.	
6	Axles	Four-wheel drive with fixed rear axle and at least 15° oscillating front axles	
7	Tyres	Suitable four tires with tubes for operating machine in rough road conditions shall be provided.	
8	Steering	Equal turn, power steering, hydraulic supply from independent steering pump	
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 flow not less than 117 LPM and system pressure not less than 210 Bar for smooth operation of all attachments smoothly	
12	Essential Accessories	1. Road lights, work lights and fog lights 2. Cabin Lights 3. Service hour meter 4 Fan for Operator 5. Mp3/DVD/FM Player 6. A heavy-duty grease guns 7. Tire pressure indicator gauge Equipped with all accessories offered in standard model but not limited to the above items.	
13	Instruction	All signs and instructions in the equipment shall be in English	
14	Manuals	1. One copy of the Operator's and Owner's Instructions and Maintenance manual in English shall be supplied with each equipment. 2. One copies of following spare parts catalogue manuals in English shall be supplied with each equipment: • Spare parts catalogue • Comprehensive workshop manual	
15	Tools	A set of tools required for general maintenance shall be supplied with in a lockable tool box for each unit	
16	Color	Standard	
17	Proven	1. The machine offered shall be of current	



	Performance	model 2022/23 under standard production by the manufacturer. 2. The bidder shall provide the manufacture's data of the performance of the unit to include the fuel consumption, performance curve of the engine etc.	
18	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance. Manufacturer shall provide first three free servicing of backhoe loader plus shall provide necessary air filters, fuel filters, oil filters, lubricants and other necessary consumables for first three servicing of backhoe loader.	
19	Delivery	The Backhoe Loader One Set shall be delivered to: Office of the Rural Municipal Executive Kaligandaki Rural Municipality, Birgha, Syangja	