Technical Specification

Owner:- Mallarani Rural Municipality, Khalanga (Pyuthan)

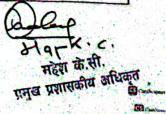
Backhoe Loader

Quantity-1 unit

S.N.	CRITE	RIA	REQUIRED SPECIFICATION		OFFERED SPECIFICATION
1.	General		All/Four Wheel Drive, Heavy Duty Rigid Steel Frame with cab, suitable for operation under rough working condition & Adverse climatic condition of Nepal. Equipment of make 2022 or onward mandatory		Make: Model: Year of Mfg.: Country of Origin:
2.	Cabin		All steel enclosed cab with laminated roof, suitably located controls for back operation, rear view mirror, cabin locushioned seat for operator shall be pro-	c hoe(excavator) and loader ight, wiper and adjustable	
3.	Engine		Turbocharged water cooled Diesel Engine with maximum power output not less than 90 HP and Maximum Torque not less than 350 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 all essentials for efficient performance.		Make: Model: Country of Origin:
		Loader	Multipurpos bucket with capacity nominally heaped minimum 0.9 cu.m		BC-
			Maximum Dump Height	Min. 2700 mm	DH-
			Maximum Digging Depth below ground level	<u>>7</u> 0 mm	DD-
4.	Capacity/Size/P		Bucket Capacity	Min.0.27 m ³	BC-
	erformance	500	Maximum Digging Depth	Min. 4800 mm	DD-
		Backhoe	Maximum Load Over Height	Min. 4000 mm	LOH-
			Maximum Working Height	Min. 6000 mm	WH-
			Maximum Reach Ground Level to rear wheel Center	Min. 6800 mm	R-
6.	Hydraulic Flow		Pump Flow should be minimum 115 lpm System Pressure should be minimum 220	bar	
8.	Туге		Suitable heavy duty four tires with tubes for operating machine in rough road conditions shall be provided.		
9.	Transmission		4 speed system with Torque converter		8.0
10.	Axles		Four Wheel Drive/All wheel drive with fixed rare axle and oscillating front axles.		
11.	Steering		Power/ Power Assisted	and the state of t	
12.	Brakes Hydraulic Actuated Disc/Caliper type service Brakes & Service Brakes Brakes				
13.	Gauges & Indicate	Gauges & Indicators To include necessary gauges, meters and indicators for efficient operation & Maintenance.			
15.	Essential Accessories		1.Road Lights, Side Indicators, Operati Loader & Backhoe & Fog lights. 2. Cabin lights 3. Service Hour Meter & 4. A Heavy duty grease gun Equipped with all accessories offered in model but not limited to the above item.	n st a ndard	
16	Instructions All signs & Instructions in Equipment shall be in English Language.				
17.	Manuals		One Hard Copy in English of the a. Operator's /Owner's instructions and b Spare parts catalogue shall be supplied with the equipment.	maintenance manual,	









18.	Tools	A set of tools required for general maintenance shall be supplied within a lockable tool box with equipment.	
19.	Color	Standard	
20.	Initial Service and spare parts Supplier shall provide necessary filters, Spare parts & Lubricant for first servicing up at the municipality office premises as per instructed in operation manual.		
21	1. The machine offered shall be of 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 and production capacity of unit.		
22.	Warranty	Manufacturer shall provide minimum 1 years warranty from date of acceptance.	
		The Backhoe Loader 1 (One) Unit shall be delivered with all necessary accessories to:	
23.	Delivery	Mallarani Rural Municipality Office of the rural municipal executive Khalanga (Pyuthan) Lumbini Province , Nepal	

Note: 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.

Bidder's Signature.....

Date

Prepared By:Om Bahadur Thapa
Mechanical Engineer
Heavy Equipment Division, Nepalgunj
Signature and Date:

मेलारानी गाउँपालिका कार्यपालिकाको कार्यालक कलंगा, प्यूटान रिन्निनी प्रदेश, नेपाल





