



Owner:- Ham Municipality, (Ham)

Quantity-1 unit

S.N.	CRITERIA	REQUIRED SPECIFICATION	OFFERED SPECIFICATION								
1.	General	All Wheel Drive, Heavy Duty Rigid Steel Frame with cab, suitable for operation under rough working condition & Adverse climatic condition at altitude ranging from 80mtr to 2000 mtrs. & ambient temperature varying - 5° to 50°Celsius.	Make: Model: Year of Mfg.: Country of Origin:								
2.	Cabin	All steel enclosed cab with laminated glass windshield, 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.	Make: Model: Year of Mfg.: Country of Origin:								
3.	Engine	Turbocharged water cooled Diesel Engine developing Power output not less than 90 HP (engine fully equipped with accessories) at governed RPM and Torque not less than 400 N-m conditions as stated in the bid document. Backhoe loader shall be equipped with heavy duty radiator, direct electric starting system, heavy duty battery, heavy duty air cleaner and heavy duty fuel filter.	Make: Model: Year of Mfg.: Country of Origin:								
4.	Capacity/Size/Performance	<table border="1"> <tr> <td>Loader</td> <td>Bucket Break out Force Min. 6500 Kgf.</td> <td>Maximum Digging Depth below ground level ≥80 mm</td> </tr> <tr> <td>Backhoe</td> <td>Bucket Capacity Min. 0.30 m³</td> <td>Maximum Digging Depth from Ground Level >4700 mm</td> </tr> </table>	Loader	Bucket Break out Force Min. 6500 Kgf.	Maximum Digging Depth below ground level ≥80 mm	Backhoe	Bucket Capacity Min. 0.30 m ³	Maximum Digging Depth from Ground Level >4700 mm			
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5.	Dimensions	<table border="1"> <tr> <td>Overall Length (Transportation Purpose)</td> <td>At most 6200 mm</td> </tr> <tr> <td>Overall Width (Transportation Purpose)</td> <td>At most 2450 mm</td> </tr> <tr> <td>Overall Height (Transportation Purpose)</td> <td>At most 4000 mm</td> </tr> <tr> <td>Maximum total flow (Liter per minute)</td> <td>≥115</td> </tr> </table>	Overall Length (Transportation Purpose)	At most 6200 mm	Overall Width (Transportation Purpose)	At most 2450 mm	Overall Height (Transportation Purpose)	At most 4000 mm	Maximum total flow (Liter per minute)	≥115	
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6.	Hydraulic Flow	Minimum 350 mm									
7.	Ground Clearance										
8.	Type	Suitable heavy duty four tires with tubes for operating machine in rough road conditions shall be provided.									
9.	Transmission	Four wheel Drive with fixed rear axle and Minimum 16° oscillation front axes.(Higher degree of oscillation highly preferred)									
10.	Axles	Power/Power Assisted Parking Brake.									
11.	Steering	Hydraulic Actuated Disc/Caliper type service Brakes & Separate Parking Brake.									
12.	Brakes	To include necessary gauges, meters and indicators for efficient operation & Maintenance.									
13.	Gauges & Indicators	Fuel Tank									
14.	Fuel Tank	Essential Accessories									
15.	Essential Accessories	1. Road Lights, Side Indicators, Operating Lights for Loader & Backhoe & Fog lights. 2. Cabin lights 3. Fan for operator.									

		<p>4. Service Hour Meter & 5. MP3/DVD/FM Player 6. A Heavy duty grease gun 7. Tyre pressure Indicator Gauge 8. An extra Backhoe bucket of capacity approx. 0.09(±0.01) cub. Mtr.</p> <p>Equipped with all accessories offered in standard model but not limited to the above items.</p>	
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 maintenance manual. b. Spare parts catalogue shall be supplied with the equipment.	
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.	Proven performance	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.	
23.	Delivery	The Backhoe Loader 1 (One) Unit shall be delivered with all necessary accessories to: Ham Municipality Office of the municipal executive Ham (Ham) Province No. 1, 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