



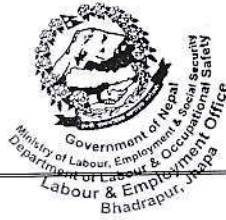
TECHNICAL SPECIFICATION

OWNER:- Ilam Municipality, Office of The Municipal Executive, Ilam
EQUIPMENT:- 2wd Tractor With Hydraulic Trailer (45hp Category)

QTY:- 2Nos

Item No	Criteria	Required Technical Specifications	Offered Specifications
1.	General	Diesel engine, Two wheel Drive Tractor suitable to operate in hilly conditions of Nepal, Ground clearance should be minimum 320 mm, Operating weight of vehicle shall not be less than 2000 Kgs.	<i>Make:</i> <i>Model:</i> <i>Mfg. Year:</i> <i>Country of Origin:</i>
2.	Engine	4 strokes, 3 cylinders, water cooled diesel engine, Max. Power Output in the range 45 HP Category at rated rpm	<i>Make:</i> <i>Model:</i>
3.	Emission Standard	The Emission Standard of the vehicle should be of Nepal Vehicle Mass Emission Standards 2069	
4.	Gauges	To include necessary gauges and meters for efficient operation and maintenance.	
5.	Clutch	Diaphragm Clear metallic clutch/dry type preferred	
6.	Transmission	At least 8 forward and 3 reverse gear (constant mesh /sliding mesh type)	
7.	Tyres	Standard Size suitable for operation in hilly area	
8.	Steering	Power steering will be highly preferred	
9.	Brakes	Suspended Type/Oil Immersed Brakes	
10.	Chassis and Frame	Steel Heavy Duty with toe-hooks.	
11.	Wheelbase	Minimum 1900 mm	
12.	Fuel Tank Capacity	Minimum 45 Liters.	
13.	Lifting capacity	Minimum 1200 kgs	
14.	Essential Accessories	1. Head Light, Tail and Rear light, and turn signals. 2. Standard tool set with jack and handle.	
15.	Instructions	All signs and instructions in the vehicle shall be in English	
16.	Manuals	One copy of the operators and owners instructions in English shall be Supplied with the vehicle.	
17.	Independent PTO	Yes	


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 Mechanical Engineer



18.	Colour	Standard	
19.	Warranty	Manufacturer shall provide minimum warranty valid for two year after the date of acceptance.	
20.	Trailer specification	<p>Hydraulic trailer of minimum size (L*B*H) 3.05m*1.82m*1.20m With rear tires size 9.00-20 to be provided.</p> <p>Chassis should be made from 150*75 MS Channel section.</p> <p>Trailer floor should be made from 4 mm MS plate and Trailer side plates should be made from 4 mm MS Plate with 50mm*50mm*6mm angle frame</p> <p>Axle size should be 75mm*75mm square and steel hub should be provided</p> <p>Should have proper hydraulic boom to lift up to minimum 12 ton.</p> <p>Enamel paint double coat of standard color should be done after initial red oxide priming all over trailer.</p>	
21.	Delivery Place	<p>The Tractor with trailer should be delivered to:</p> <p>Ilam Municipality Office of the Municipal Executive Ilam (Ilam)</p>	

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.

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 Durga Acharya
 NEC Regd. No. 3530 Mechanical
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Mechanical Engineer