

Technical Specifications of 4WD Tractor- 1 unit

Technical Specification Of 4WD Tractor			
SN	DESCRIPTION	DEPARTMENTAL REQUIREMENT	OFFERED SPECIFICATION
1.	General	The tractor shall be a brand-new, heavy-duty agricultural tractor suitable for multipurpose farming and transportation applications. The offered 4WD tractor shall be capable of operating efficiently in the hilly, mountainous, and plain terrains of Nepal under varying road and field conditions. Offered vehicle model should be of onward 2026.	
2.	Engine	Minimum 50 HP, 4-Stroke, 4WD, 3 cylinder turbocharged inline fuel injection pump, Water-cooled Engine and rated RPM not less than 2000 RPM.	Make: Model: Country of Origin:
3.	Transmission System	Standard Forward and reverse Gear with 4WD (8 Forward + 2 Reverse)	
4.	Clutch	Double clutch with independent PTO lever or Softek clutch or equivalent	
5.	Braking system	Real oil-immersed multi-disk brakes	
6.	Steering System	Hydrostatic Power Steering	
7.	Lifting Capacity	Minimum 1800 kg with hydraulic control	
8.	Compliance	Shall comply with applicable national and international quality and safety standards	
9.	PTO	Independent PTO, Minimum 540 RPM	
10.	Color & Ground Clearance	Standard & Minimum 400 mm	
11.	Electrical System	12 V Electrical System with Maintenance-Free Battery and Alternator	
12.	Standard Equipment & Accessories	Headlights, Tail Lights, Indicators, Horn, Rear-View Mirrors, Adjustable Seat, Seat Belt, ROPS/Cabin (if applicable),	

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		Toolbox&Tool Kit, Operator's Manual, Service Manual, Jack, Wheel Spanner, and Standard Accessories	
13.	Tyres	Heavy-duty Agricultural Tyres suitable for all terrain	
14.	Front Axle	Heavy-Duty 4WD Front Axle with Differential Lock	
15.	Fuel Tank Capacity	Minimum 60 Liters	
16.	Warranty	5-year Warranty on Engine, gear Box,Hydraulic Systemand Other accessories	

Prepared By:
OMPRAKASH BUDHA
MECHANICAL SUB ENGINEER

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Technical Specifications of Trailer

Trailer specification			
SN	DESCRIPTION	DEPARTMENTAL REQUIREMENT	OFFERED SPECIFICATION
1	Type	Brand new Agricultural Trailer	
2	Year of Manufacture	2026 or later	
3	Compatibility	Compatible with 4x4 agricultural tractors through standard drawbar hitch	
4	Payload Capacity	Minimum 3,000 kg (3 Ton)	
5	Trailer Body	Heavy-duty fabricated steel body with anti-corrosion coating	
6	Chassis	Reinforced heavy-duty steel frame suitable for rough terrain	
7	Dimensions	Standard size suitable for agricultural and transport purposes	
8	Tyres	Heavy-duty pneumatic tyres with suitable load rating	
9	Axle	Heavy-duty axle with high load-bearing capacity	
10	Suspension	Leaf spring suspension or equivalent heavy-duty suspension	
11	Braking System	Mechanical or hydraulic braking system compatible with the towing tractor	
12	Tipping Mechanism	Manual or hydraulic tipping system (where specified)	
13	Ground Clearance	Adequate for operation in the hilly, mountainous, and Terai regions of Nepal	
14	Safety Features	Rear reflectors, tail lamps, safety chain, mudguards, and parking support stand	
15	Finish	Anti-rust primer and durable enamel paint	

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		finish	
16	Accessories	Safety chain, jack stand, wheel chocks, operator manual, and basic tool kit	
17	Warranty	Minimum 1-year manufacturer/supplier warranty	
18	After-Sales Service	Spare parts and authorized service support available in Nepal	

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Mangalsen Municipality
Office of Municipal Executive
Mangalsen, Achham
Sudurpaschim Province, Nepal

BOQ

कार्यक्रम / योजनाको नाम: ट्र्याक्टर खरिद।

योजना कार्यान्वयन हुने स्थल: मंगलसेन नगरपालिका, अछाम।

S. No.	Description of Items	Unit	Qty.	Rate		Amount (NRs.)	Remarks
				In Figure	In Words		
1.00	4WD tractor with trailer	pcs	1.00				
Total Amount							
Add VAT @13%							
Grand Total Amount							

Total Amount in Words:-

Name of firm:-

Authorised Person:-

Designation:-

Date:-

