

Technical Specification of Tractor(4WD),Hydraulic Trolley(Trailer)

S.N.	Criteria	Requirement	Offered Specification
1	General	Right Hand Drive with Four wheel Drive (4WD), weight of tractor not less than 2500 kg, and wheel base not less than 2000 mm.	Make :- Model:- Country of origin:
2	Engine	3 Cylinder ,Four stroke water cooled diesel Engine with engine displacement not less than 2700cc Developing maximum rated Power not less than 55HP @ governed RPM	Make :- Model:- Country of origin:
3	Emission Standard	The emission standards of the vehicle should comply with the latest Nepal vehicle mass emission standard which must be certified by Department of Transport Management Nepal.	
4	Air cleaner	Dry type air filter with pre cleaner	
5	Transmission	At least 8 forward + 2 reverse gear box, constant mesh gear box	
6	Clutch	Dual	
7	Steering	Power steering	
8	Tyres	Standard type	
9	Brakes	Multi plate Oil immersed brakes	
10	Fuel Capacity	Min 60 litres	
11	Min Ground Clearance	Ground Clearance. 370MM	
12	Hydraulic and implement linkage	3 point linkage, Hydraulic system with automatic depth, position control, draft control and mixed controlled	
13	Hydraulic lift pump	Gear type pump with delivery of at least 20 litres per minute at rated engine speed	
14	Electrical instruments	Battery 12v,100AH , Alternator (12v,40A) and starter motor (12v,5kw)	


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15	Essential accessories	a. High sensitive hydraulic system b. Big rear tyres c. multi speed and reverse speed pto d. Adjustable sliding seats e. Telescopic stabilizer bar f. Digital cluster instrument g. top link, canopy, hook h. Seven point electric connection	
16	Lifting capacity	Lower line top with minimum 2000kg	
17	Bore*stroke	98*122mm approx.	
18	Power take off(PTO) ,RPM/PTO HP	540PTO@governed RPM/46@governed rpm	
Hydraulic Trolley(Trailer)			
19	Trailer /cargo body	Length 10.5 ft Breath =6ft and height = 18 inches	
20	Frame structure	Heavy channel section of 200mm*75mm*10mm for main frame, lower channel section and 130mm*60mm*10mm section for upper frame	
21	Body material	Cross member of channel section 80*40*5mm over upper frame side board MS sheet 10swg.floor Ms sheet 8swg.	
22	Type	Suitable for lifting load's using hydraulic system with boom cylinder with capacity at least 20 ton with built hydraulic pipe , fitting and accessories	
23	Axle	Water proof 100mm*100mm in section	
24	Tyres	Standard	
25	Instructions	All sign and instructions in the vehicle shall be English	
26	Warranty	Manufacturer shall provide a minimum of one year warranty	
27	Delivery	One set of tractor(4wd), Hydraulic trailer shall be delivered to Hupsekot Rural Municipality, Jhyalbas, Nawalparasi (Bardaghat Susta East)	


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