

Technical Specification of Fork Lift (20 Ton Diesel)

S.N	Parameters	Technical Specification	Remarks
1	Engine	Model	Minimum 6 Cylinder Turbocharged Intercolled diesel engine
		Capacity	Minimum 6000 CC
		Torque	Minimum 500 Nm
		Power	Minimum 120 KW @ rated RPM
2	Emission	Must meet Nepal Vehicle Mass Emission Standard.	
3	Service Brake	Pneumatic/Hydraulic type	
4	Transmisson	Manual/Torque flow	
5	Wheels & Tyres (Minimum)	Pneumatic Front 2, Rear 2, Spare 1, Standard size ,minimum 20 PR	
6	Operator Type	Must be able to operate equipment in comfortable seating position	
7	Load Capacity	Minimum 20 Ton	
8	Steering	Power Steering	
9	Mast tilt forward/backward	Minimum 5/10 degree	
10	Fork Dimensions	Minimum L= 1800 , W= 250 and T=90 mm	
11	Fork Carriage Width	Minimum 2500 mm	
12	Ground Clearance	Minimum 300 mm	
13	Turning Circle Radius	Maximum 6000 mm	
14	Travel speed with load	Minimum 15 km/h	
15	Lift Height	Minimum 4 meters	
16	Features	Two front working Lamps at mast and 2 on Counter Weight	
		Should have backup Buzzer	
17	Fuel Tank Capacity	Minimum 400 L	
18	Manual	User/Operator Manual, Maintenance Manual and Spare Parts Manual must be provided (All in English)	
19	Accessories	Standard Tool Kit (Comprising of 30 Ton Hydraulic Jack, Lever, Wheel Brush and Few Standard Wrench Sets)	
20	Year of Manufacture	2019 onwards	
21	Date of Manufacture of Battery	Must be less than 6 months at the time of delivery inspection	
22	Date of Manufacture of Tyre	Must be less than 1 year at the time of delivery inspection	
23	Servicing	Minimum 5 times free servicing after delivery	
24	Warranty	Minimum 2 Years/ provided by OEM whichever is greater	

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