

Technical Specification

BACKHOE LOADER

S.N.	CRITERIA	REQUIREMENT	OFFERED SPECIFICATION
1	General	All wheel drive rigid frame backhoe loader with steel suitable for operation under rough working conditions and adverse climatic condition at operating altitude of 2000 meters and in ambient temperature varying between -5 to 50° Centigrade.	Make: Model: Country of Origin:
	Capacity	1. Loader: General purpose bucket with bolt on teeth of <i>SEA</i> rated capacity nominally heaped approx. <i>1Cu.m.</i> with breakout force not less than <i>6000 kgf.</i>	
		2. Backhoe bucket with excavator type side locking tooth point of <i>SEA</i> rated capacity nominally heaped not less than <i>0.30 cu.m.</i> with breakout force not less than <i>5500 kgf.</i> and following working ranges:	
		a) Maximum digging height: ≥ 5600 mm	
		b) Maximum digging depth: ≥ 4700 mm	
		c) Maximum digging reach: ≥ 5800 mm (Ground level) d)	
2	Engine	Four Stroke, Four Cylinder water-cooled, <i>Turbo charged with inter cooler, Four wheel drive</i> , diesel engine, and rated engine power not less than <i>92 HP</i>	
3	Gauges	To include water temperature, fuel: oil pressure, transmission	
4	Power Mode	Atleast <i>two working modes</i>	
5	Transmission	<i>Powershift type range selector</i>	
6	Axles	Four wheel drive with fixed rear axle and not less than 15° oscillation front axles.	
7	Tires	Suitable <i>Four tires with tubes</i> for operating machines in rough road conditions shall be provided.	
8	Steering	Power/ Power assisted	
9	Brakes	Hydraulically actuated, wet multiple disc/caliper disc type service brake and separate parking brake.	
10	Cab	All steel enclosed cab with laminated glass windscreen insulated roof, suitably located controls for backhoe and loader operation, rare view mirror, cabin light, wiper and adjustable cushioned seat for operator shall be provided.	