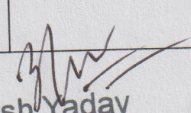


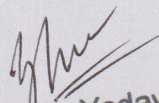
Technical Specification of Backhoe loader



S.N.	Criteria	Requirement	Offered Specification
1	General	All wheel drive rigid frame backhoe loader with steel suitable for operation under rough working condition and adverse climate condition at operating altitude of 2000 meters and in ambient temperature varying -5 to 50 degree centigrade.	Make: Model: country of origin:
2	Capacity	1. Loader general purpose bucket with bolt on teeth of SEA rated capacity nominally heaped approx.1cu.m. with breakout force not less than 4800 kgf and dumping height not less than 2700mm. 2.Back hoe bucket with excavator type side locking tooth point of SEA rated capacity nominally heaped not less than 0.24cu.m. with breakout force not less than 4000kgf. and following working ranges: a)maximum working Height: $\geq 5000\text{mm}$ b)maximum digging Depth: $\geq 4200\text{mm}$ Maximum digging Reach: $\geq 5500\text{mm}$ Ground level (d)	
3	Engine	Four stroke four cylinder water cooled turbo charged with inter cooler four wheel drive diesel engine and rated engine power not less than 92 HP @ torque not less than 370NM.	
4	Gauges	To include water temperature, fuel: oil pressure transmission and hydraulic guages battery charge indicator etc as necessary for efficient operation and maintenance.	
5	Power mode	Atleast two working mode	
6	Transmission	powershift type range selector	
7	Axles	Four wheel drive with fixed rear axle and not less than 10 degree oscillation front axles.	
8	Tires	Suitable four tires with tubes for operating machines in rough road conditions shall be provided.	
9	Steering	power/power asissted	
10	Brakes	Hydraucially actuated,wet multiple disc/caliper disc type service brake and separate parking brake.	
11	Cab	All steel enclosed cab with laminated glass windscreen insulated roof suitably loacted controls for backhoe and loader opeartion rare view mirror cabin lights wiper and adjustable cushioned seat for operator shall be provided.	


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12	Hydraulics	suitable hydraulic pumps and system for smooth operation of all attachment smoothly.	
13	Hydraulic flow	suitable hydraulic pumps and system for smooth operation of all attachment smoothly and flow not less than 115 lpm.	
14	Essential accessories	1. Road lights, work lights, cabin lights, fan and f.m radio. 2. Service hour meter.	
15	Instructions	All sign and instruction in equipment shall be in english.	
16	Manuals	One copy of the operators/owners instruction and maintenance manual in english shall be supplied with the equipments. Two copies of following manuals in english shall be supplied with equipments. A) spare part catalouge B) operator manuals.	
17	Tools	A set of tools as required for general maintenance.	
18	colour	standard color	
19	Proven performance	1. The equipment offered shall be a current model under standard production by the manufacture. 2. The bidder shall provide the manufactures data of performance of the unit to include the fuel consumption performance curves of the engine and production capacity of the unit.	
20	Warranty	manufacturer shall provide warranty for minimum of one year or 2000HR whichever is earlier after acceptance.	
21	Delivery	The backhoe loader 1 unit with all the necessary filters and spare parts required for the first one services shall be delivered to: Biratnagar metropolitan city office Biratnagar.	


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