## **Technical Specification of Heavy Equipment**

Item: Backhoe Loader

(Quantity: 1 unit)

S.No	CRITERIA	DEPARTMENTAL REQUIREMENT	OFFERED SPECIFICATION	REMARKS
1.	General	All wheel drive, rigid frame back hoe loader with Steel cab, suitable for operation under rough working conditions, and adverse climate condition at operating altitude of 2000 m and ambient temperature varying between -5°C to 50°C.	Model:	
2.	Capacity	1. Operating weight not less than 8000 kg  2. Loader: General purpose bucket with (6 in1) bolt on teeth of SAE rated capacity nominally heaped approx. I cu.m with shovel break out force not less than 6500 kgf.  • Dump Height: ≥ 2770 mm  • Load over height: ≥ 3180 mm  • Pin Height: ≥ 3420 mm  3. Back hoe bucket with bolt on teeth of SAE rated capacity approx. 0.3 cu.m with tear out force 5650 kgf and following working ranges:  • Maximum working height: ≥ 5790 mm  • Maximum digging depth: ≥ 4970 mm  • Maximum digging reach: ≥ 5750 mm  (Ground Level to rear wheel center)  • Maximum Lifting capacity: ≥1480 kg  Out triggers with controls from cabin shall be provided.		
3.	Engine	Water-cooled diesel engine, developing SAE rated gross horsepower not less than 90 HP with minimum 400 NM torque (engine fully equipped with accessories) at governed RPM for efficient		

10,	Brakes	Hydraulically actuated, wet multiple	
TO	The second district of	Hydraulically actuated, wet multiple	
TO	Steering Brakes	Hydraulically actuated, wet multiple	
9.	The second district of	Power assisted hydrostatic steering,	
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		disc/caliper disc type service brake and	
		separate parking brake.	_
**		separate parking brake.	
11.	Axles	Four wheel drive with fixed rear axle and	
SEE	NS-028	at least 15° oscillating front axles.	
12.	Essential	1. Service hour meter	
57.5	Accessories	2. Work lights, road lights and fog lights	
	1,000,000,000,000,000	3. Cabin lights.	
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13.	Instructions	All signs and instructions in the equipment	
14	N#10000000	shall be in English.	
14.	Manuals	One copy of the Owner's and Operator's	
		Instructions and Maintenance manual	
		instructions and Maintenance manual	
		including Spare parts catalogue and	
		Comprehensive workshop many	
	.0	Comprehensive workshop manual in	1
	1	English shall be supplied with each	
_	-	equipment.	
15.	Tools	A set of tools as required for general	
	C428/2968200	maintenance shall be supplied with in a	
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		I marked by the all heavy Park and I have been all the state of the st	
		lockable tool box for each unit.	
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17.	Proven performance	1. The machine offered shall be a current model under standard production by the manufacturer for at least one year.  2. The bidder should have supplied the equipment to the government sector before.  3. The bidder shall provide the manufacturer's data of the performance of the unit to include the fuel consumption, performance curve of the engine and machine's production capacity.	
18.	Warranty	Manufacturer shall provide a minimum of one year warranty after acceptance.	
19.	Delivery	Supplier should deliver 1 Unit of Backhoe Loader at Bishnupur Rural Municipality, Siraha	