Bid specifications for Excavator

yes no Net Rated Power shall be no less than 188hp @ 2100 rpm no Engine must be certified to EPA Interim Tier 4/EU Stage IIIB no Engine shall have six cylinders and a displacement of no less than 415 cu in (6.8 L) Engine shall have six cylinders and a displacement of no less than 415 cu in (6.8 L) Engine shall have auto-idle mode to reduce engine speed when hydraulics are not in use to reduce fuel consumption and noise yes no Engine oil interval shall have a scheduled 500 hour interval for reduced operating costs The engine oil and fuel filters will be remotely mounted for ease of access The engine oil and fuel filters will be remotely mounted for ease of access The engine will have a coid-start aid, such as glow-plugs or equivalent. The engine accessory drive belt will have an automatic tension device to reduce maintenance costs Cooling The engine accessory drive belt will have an automatic tension device to reduce maintenance costs Cooling The cooling system shall be produced one automatic tension device to reduce maintenance costs Cooling The hydraulic coolers shall have no more than 10.2 fins per inch rating to resist plugging and for easier clean-out The radiator cooling core shall have no more than 10.2 fins per inch to resist plugging and for easier clean-out The radiator cooling core shall have no more than 10.2 fins per inch to resist plugging and for easier clean-out Yes no The fan will have an optional reverser that will reverse direction and blow out the screens periodically. The feature can also be actuated by the operator at any time or it can be shut off. Cooling system shall be protected from debris by a pre-screening side shield. Yes no Cooling system shall be protected from debris by a pre-screening side shield. Yes no The propel motor will be protected with a shield or guard Yes no The propel motor will be protected with a shield or guard Yes no The propel motor will be protected with a shield or guard Yes no The propel brake will be spring applied, hydraulically released The	Compliance		Engine
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yes no The right joystick controller shall be pre-wired from the factory for auxiliary hydraulics			Maximum system operating pressure for swing circuits shall be no more than 4.830 psi
	yes	no	The right joystick controller shall be pre-wired from the factory for auxiliary hydraulics

		The boom and arm shall be equipped with standard welded bosses or attachment lugs for
yes	no	auxiliary high flow lines
yes	no	Hydraulic oil change interval shall be 5,000 hours for reduced operating costs and increased productivity
		The excavator hydraulic tank will be cylindrical in shape to promote oil mix on return and minimize
yes	no	potential for leaks.
		Electrical
yes	no	The electrical system shall be 24 volt with 100 amp alternator
yes	no	The circuits shall be blade type multi-fused
· —		The machine performance and utilization data will be captured and stored by a data-acquisition
yes	no	system with software that can produce graphs showing machine utilization and performance history.
		Operator Station
		The operator station shall be mounted on four silicone-filled cab mounts or equivalent to reduce
yes	no	noise, vibration and operator fatigue
		The cab shall have an openable roof hatch to provide additional emergency escape path and clear
yes	no	visibility to overhead obstacles with a sunshade for operator comfort
		The cab fresh air filter must be accessible from the ground and outside of the cab and not require
yes	no	any tools for removal - other than the key to open the door
		Seat shall be deluxe, adjustable, with suspension, headrest and adjustable lumbar support and 4-
yes	no	in (100 mm) adjustable armrests
		The control positions and the seat can be adjusted independently of each other for greater
yes	no	operator comfort
yes	no	The cab shall have auto-climate control, A/C with heater and pressurizer
		System shall retain and display active fault codes and incidents related to machine operating
yes	no	outside of the specified parameter
V00	20	The monitor shall be capable of storing maintenance/service interval information on items like
yes	no	engine oil, engine oil filter, hydraulic oil, hydraulic oil filter and air cleaner filter.
		The monitor shall be capable of showing machine diagnostic information including error
yes	no	messages, fault codes and system operating information. Examples of operating information
		include, engine rpm, pump pressures, hydraulic oil temperatures and pilot pressures.
yes	no	The horn and travel alarm shall be operable while the machine is moving forward or in reverse
yes	no	The right window of the cab must be glass
		Undercarriage
		The undercarriage will have two upper carrier rollers per side and nine lower rollers per side
yes	no	The excavator will have two track guides per side
yes	no	The chain shall be sealed and lubricated and the track adjustment shall be hydraulic
		Upperstructure
yes	no	The boom shall be reinforced with three welded bulkhead plates to deliver maximum strength and
,00		durability
yes	no	
,		The outer mainframe of the house shall be constructed with a reinforced D-channel for durability
yes	no	The cab door, fuel cap and service doors and tool box shall be lockable.
yes	no	The machine will have dirt seals on all bucket pins
		Overall Machine Specs
yes	no	Standard minimum operating weight shall be no less than 57,800 lbs with 1.38 cu yd, 48 in
• —		bucket; 11 ft 10 in arm; 11,270 lb counterweight and 32 in triple ,semi-grouser shoes
yes	no	Overall height to top of cab shall be no more than 9 ft 11 in
yes	no	Counterweight clearance shall be 3 ft 7 in
V02	nc	Operating Specifications The ISO arm digging force with a 11 ft 10 in arm shall be no less than 25,628 lb
yes	no	The ISO bucket digging force with a 11 ft 10 in arm shall be no less than 42,489 lb
yes	no	Lifting capacity over the side @ ground level 20 ft reach with 11 ft 10 in arm, 1,920 lb bucket and
yes	no	32 in triple semi-grouser shoes shall be no less than 11,568 lb
ves	no	Maximum digging depth with 11 ft 10 in arm shall be not less than 25 ft 0 in
700		······································

General

yes	no	Machine shall be 2012 year model or newer no more than 5000 actual hours
yes	no	Bidder must be an authorized dealer for the product bid
yes	no	Bidder must have a authorized service center with factory trained technicians, a minimum of 4 staffed field service trucks and adequate parts inventory on hand within 30 miles of Itawamba County.