Procurement Description*	ARRA Funded: High Temperature Molten Salt Multi-stage Vertical Turbine Pum National Laboratories' Solar Technologies organization has a need for a high molten salt multi-stage vertical turbine pump. The molten salt is a mixture of 6 nitrate and 40% potassium nitrate. The pump shall be designed to pump molt a submerged storage tank through various piping loop configurations
Statement of Work*	Sandia National Laboratories' Solar Technologies organization has a need fo Temperature Molten Salt Multi-stage Vertical Turbine Pump. The molten salt of 60% sodium nitrate and 40% potassium nitrate. The pump shall be designe molten salt from a submerged storage tank through various piping loop config multi-stage vertical turbine pump is a self priming pump capable of pumping r a flow rate of 845 gpm at 2,771 ft. of head with a specific gravity of 1.9 and at operating temperature of 572°F with maximum operating temperature of 662° shall be capable of operating continuously for minimum of 5,000 hours withou maintenance. The pump motors shall be 460 VAC, inverter duty rated for 550 elevation.
Mandatory Requirements*	The system shall: • The pump manufacturers must show at least 15 years of experience in the manufacturing of multi-stage vertical turbine pumps in the molten salt indu temperatures and pressures.
DOE funding statement	"Sandia National Laboratories is a multi-program laboratory managed and op Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporati U.S. Department of Energy's National Nuclear Security Administration under AC04-94AL85000."