

NEW JERSEY DEPARTMENT OF HEALTH

GREYSTONE PARK FIRE DEPARTMENT

1500 GPM Quick Attack Mini Pumper Fire Apparatus

Bidder Specifications Sheet

BIDDER NAME:

VEHICLE NAME/DESCRIPTION:

Bidder Instructions: Please indicate whether your firm "Exceeds", "Meets", or "Does not Meet" the minimum requirements for each Section below. If your firm "Does not Meet" the minimum requirements, or if your firm "Exceeds" the minimum requirements, please explain further in the Bidder Notes attachment next to the applicable Section number.

No.		Exceeds	Meets	Does not Meet
1	The pump shall be midship mounted with a rated capacity of 1500 GPM. The pump shall meet NFPA 1901 requirements			
2	Pump Certification: The fire pump shall be tested to meet the flow requirements of the pump. A written certification shall be provided with the completed vehicle			
3	Water tank – Polypropylene: Tank capacity shall be a MINIMUM of 300 US gallons			
4	The pump shall have the necessary intakes and outlets for a 1500GPM capacity. Must include preconnected piping for two (2) 1.75" crosslays of 200'. Must include a hose reel			
5	Hose bed dimensions minimum: The usable hose bed dimensions shall be 49.75" wide x 85.00" long x 15.00" tall. Hose bed storage capacity: The hose bed shall be designed to have a storage capacity for a minimum of 34.00 cubic feet of fire hose. (Not to Standard)			
6	EXTERIOR LADDER MOUNTING Exterior ladder mountings shall be provided for the specified ladders over the right side compartments of the apparatus body. The ladder storage shall have capacity for one (1) aluminum 24 ft. extension ladder. (Not to Standard)			
7	RUNNING BOARDS required if MINI_PUMPER - One (1) set of running boards shall be mounted to each side of the chassis. The running boards shall exceed the NFPA requirements for stepping surface and slip resistance. (Not Required by Standard)			
8	Dealership Requirements: (Please complete the highlighted fields) Bidders shall have a locally owned service center Bidders shall state the following in its response. Failure to do so will result in the Bidder rendering non-responsive: 1. # of miles from Greystone Fire Department to nearest dealership owned and staff service center: 2. Square feet of Bidder's service center: 3. Number of EVT service technicians at Bidder's service center: 4. Number of mobile EVT service technicians and service vehicles at Bidder's service center: 5. Number of vehicle lifts at Bidder's service center: 	NA	NA	NA
9	CHASSIS: The chassis shall have a four-door conventional cab capable of seating up to five (5) personnel and have rear wheel drive with front wheel drive capability. The GVWR shall not exceed 19,500 pounds. The front and rear axle shall both be equipped with an anti-roll bar for stability.			

	The transfer case shall be an electronic shift-on-the-fly type. It shall be controlled in the cab with high and low range front package. Front driving axle shall include stabilizer bar, front shocks, with auto/manual locking hubs and rotary switch on dash. The transfer case shall be protected by a steel skid plate. The chassis shall have mono beam front and rear axles with coil front and leaf rear spring systems. Brakes shall be power vented disc with anti-lock brake system (ABS), electronically controlled brake boost and automatic emergency braking. Tires, brakes, wheels and axles shall be as provided by the chassis manufacturer. Aftermarket tires, brakes, wheels, axles, suspension, etc. are not acceptable. The engine shall be diesel powered, capable of a minimum of 330 horsepower and 950 foot-pounds of torque. An engine block heater shall be provided. The transmission shall be a ten speed automatic. Chassis frame shall be capable of carrying the gross vehicle weight. The chassis shall be designed for use in the fire and emergency vocational field. The alternator system shall have a capacity of 410 amperes. The fuel tank shall be rear mounted with a fill located over the rear wheels. Capacity shall be not less than 40 gallons.			
10	SEATING: Front heavy duty vinyl driver and officer seats with center console; and Rear heavy duty vinyl 60/40 bench flip-up/fold-down rear seat.			
11	RUNNING BOARDS: One (1) set of running boards shall be mounted to each side of the chassis. The running boards shall meet the NFPA requirements for stepping surface and slip resistance			
12	GRILLE GUARD: A winch mount grille guard shall be provided and installed on the front of the chassis. The grille guard shall be constructed of 304 stainless steel and have a black powder coated finish. It shall be capable of mounting a winch with ratings up to 12,000 lbs			
13	FRONT MOUNTED WINCH: An electric winch with 12,000 pound (5,440 kg) rated line pull shall be installed in the brush guard. The winch shall be equipped with 3/8" diameter wire rope, clevis hook and a 4-way roller fairlead. The winch shall be operated through a pendant with a handheld control			
14	TOWING HITCH RECEIVER: A trailer towing hitch receiver with safety chain anchors shall be installed at the rear of the apparatus. The hitch receiver shall be constructed of heavy steel tubing and reinforced to the apparatus framework. The hitch receiver shall have a Class V rating of 16,000 pounds towing and 1,600 pounds tongue weight when used with a weight distributing hitch assembly. The receiver shall accept a 2.00" hitch. One (1) 7-prong connector with a weatherproof cover shall be supplied and mounted near the rear receiver tube			
15	SEATING CAPACITY: The seating capacity in the cab will be five (5)			
16	BELT WEB LENGTH:			

	NFPA 1900 requires effective seat belt web length for a Type 1 lap belt for pelvic restraint to be a minimum of 60.00", and a Type 2 pelvic and upper torso restraint-style seat belt assembly to be a minimum of 110.00". Per specification of a commercial chassis, this apparatus may not have seat belts of the required length. These belts may not provide sufficient length for large firefighters in bunker gear. This apparatus <u>may</u> be non-compliant to NFPA 1900 standards effective at time of contract execution			
17	SEAT BELTS: NFPA 1900 requires the seat belt webbing to be bright red or bright orange in color, and the buckle portion of the seat belt will be mounted on a rigid or semi-rigid stalk such that the buckle remains positioned in an accessible location. If seat belt color is not available in red or orange from the commercial chassis manufacturer. Per specification of a commercial chassis, the seat belt color will be non-compliant. This apparatus <u>may</u> be non-compliant to NFPA standards effective at time of contract execution			
18	CHASSIS TOW HOOKS: The front tow hooks shall be provided as detailed in the chassis specifications			
19	CENTER CONSOLE: A center console fabricated from 0.125" aluminum shall be furnished and shall be located between the driver and officer's seats. The forward area of the console shall have a mounting surface for emergency lighting switch panels and/or electronic siren control boxes within reach of the driver or officer			
20	CONSOLE STORAGE: The rear portion of the console shall be provided with an open top storage area for notebooks or maps and shall have two (2) dividers constructed of 0.125" aluminum			
21	MASTER BODY DISCONNECT SWITCH: A master body disconnect on/off switch shall be provided in the cab, near the driver's door. The switch shall disconnect the power to the apparatus body when the ignition switch is in the off position. One (1) reset breaker shall be installed between the solenoid output and any electrical load. One (1) indicator light shall be provided to indicate the apparatus 12-volt system is on. The light shall be located in the chassis cab and be visible from the driver's positions. The light shall be green in color and labeled "master battery"			
22	BATTERY CONDITIONER: A battery conditioner shall be supplied. The battery conditioner shall provide a 40 amp output for the chassis batteries and a 20 amp output circuit for accessory loads			
23	120V SHORELINE CONNECTION – "SUPER" AUTO EJECT: One (1) automatic, 120 volt, 20 amp shoreline disconnect shall be provided for the on board, 120 volt battery charging systems			
24	AUTO-EJECT MATING PLUG: A 5-20P, 20 amp mating female cord end shall be shipped loose with the apparatus to allow the Fire Department to connect cord end to a Fire Department provided charging cord			
25	BATTERY CHARGER DISPLAY/COVER: One (1) battery charger status center/ auto eject cover shall be supplied with the charger.			

	The cover shall be <u>yellow</u> in color			
26	ELECTRICAL INLET LOCATION: An electrical inlet shall be installed on the left hand side of the pump module			
27	ANTENNA BASE INSTALL: Two (2) two-way radio antenna base(s), supplied by the purchaser, shall be installed by the apparatus manufacturer at a location specified by the purchaser. The antenna cable(s) shall be routed from the antenna to the location(s) specified by the purchaser			
28	12V RADIO POWER STUDS: One (1) continuous 12 volt power stud, one (1) master battery switched 12 volt power stud, and (1) 12 volt ground stud shall be supplied and installed inside the console for customer supplied and installed radio equipment			
29	EXTERIOR LADDER MOUNTING: Exterior ladder mountings shall be provided for the specified ladders over the right side compartments of the apparatus body. The ladder storage shall have capacity for one (1) aluminum 24' three-section extension ladder			
	WARRANTY COVERAGE	Exceeds	Meets	Does not meet
30	One Year Apparatus Warranty: The complete apparatus detailed herein shall be warranted against defects in materials and workmanship for a period of twelve (12) months, effective upon pick up or delivery of the completed apparatus to the purchaser, as detailed in the respective warranty documents. Any unauthorized alterations or modifications to the apparatus shall void this warranty. Other warranties, as provided by individual component manufacturers may extend beyond this warranty			
31	Chassis Warranty: • Basic.....36 month/36,000 miles • Powertrain.....60 month/60,000 miles • Corrosion Perforation.....60 month/unlimited mileage • Roadside Assistance.....60 month/60,000 miles • Diesel Engine.....60 month/100,000 miles			
32	Apparatus Body Warranty, Ten (10) Year: The apparatus body shall have a structural warranty, including panels and sub-frame, against bending, cracking, twisting or otherwise deforming for a period of ten (10) years, effective upon final payment in full by the Purchaser, and pick up or delivery of the completed apparatus to the Purchaser. Any unauthorized alterations or modifications to the body shall void this warranty			
33	Pump Warranty: The pump shall be covered by a 5-year pump warranty against workmanship and materials. Both parts and labor shall be covered for the first 2 years and years 3-5 shall have parts only coverage. Warranties for parts only are not acceptable			
34	Plumbing Warranty, Ten (10) year: A Stainless Steel Plumbing/Piping warranty shall be provided by the apparatus manufacturer for products of its manufacture to be free from defects in material and workmanship, under normal use and service, for a period of ten (10) years effective upon final payment in full by the Purchaser and pick up or delivery of the completed apparatus to the Purchaser. Any unauthorized alterations or modifications to the plumbing shall void this warranty			

35	Paint Warranty, Five (5) year: The finish paint as used on the proposed apparatus shall be warranted against defects in materials and workmanship for a prorated period of five (5) years, effective upon final payment in full by the Purchaser, and pick up or delivery of the completed apparatus to the Purchaser. Any unauthorized alterations or modifications to the apparatus shall void this warranty			
36	Apparatus Electrical Warranty, Two (2) year: The apparatus electrical system as detailed herein shall have an electrical warranty against defects in materials and workmanship for a period of two (2) years, effective upon final payment in full by the Purchaser, and pick up or delivery of the completed apparatus to the Purchaser. Any unauthorized alterations or modifications to the electrical system shall void this warranty			
37	Apparatus Valve Warranty: The brass valves shall be warranted by the manufacturer for a period of ten (10) years from the date of delivery. The warranty for electronics shall be warranted by the manufacturer for a period of five (5) years from date of delivery			
38	Warning Light/Siren Warranty: Warning light and siren products shall be covered by a direct warranty for up to a maximum two (2) years from date of purchase (not to exceed three (3) years from date of manufacture), with proof of purchase. Siren speakers, when used with a siren amplifier from the same manufacturer, shall be covered by a two (2) year warranty from the date of manufacture. Heavy-Duty motor assemblies shall be covered by a direct warranty for up to three (3) years from date of manufacture. LED ballasts and LED products shall be covered by a direct warranty for up to five (5) years from date of manufacture			
39	Electronics Warranty: All products manufactured by the chosen Electronics Company shall be warranted to be free of defects in material and/or workmanship. They shall repair or replace without charge any material or defects which become apparent in normal use within the specified warranty period. All Electronic items are warranted for three (3) years Auto and Air Ejects are warranted for two (2) years Auto Pumps are warranted for one (1) year			

NOTES ON NEXT PAGE

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