

Florida National Cemetery
Statement of Work for Utility Vehicles

Location: Florida National Cemetery
6502 SW 102nd Ave.
Bushnell, Florida 33513

Introduction:

Florida National Cemetery is in need of all terrain crew cab diesel utility vehicles to replace the ones beyond there serviceability. The vehicle is used to transport personal, and equipment over eight hundred acres of uneven terrain.

The new vehicle will save on man hours, and the cost of equipment needed to perform Dailey tasks. The ability to transport additional employees to the work site will expedite the operations the chassis of the utility vehicle is ridged, and will last many years of hard usage. This equipment will match other similar equipment at FNC (i.e. engines, filters, tires etc.), allowing better troubleshooting, and parts availability,

Some of the Key Requirements for Safety and Operational needs are:

- Color – Orange is required for safety. High visibility while performing Cemetery Operations.
- ROPS (Roll Over Protection System) - Standard, Rigid
- Engine Type - 3-Cylinder, 4-cycle, Diesel, OHV
- Horsepower Engine gross @ rpm - 24.8 1 Ip (1 8.5kw) @ 3000 rpm
- Maximum torque - 51 .4 ll-lbs-pi 2000-2400 rpm (7. l kg-m (g) 33.3-40 r/s)
- Exhaust/muffler - Muffler with screen-type spark arrestor
- Cooling System Type - Liquid Cooled B'/ Pressurized Radiator
- Steering type - Hydrostatic Power Steering
- Brake type - Wet-Disk Brakes
- Transmission type - Variable Hydrostatic Transmission (VHT-X)
- Drive wheels - 4WD
- Minimum Traveling speed - Forward 22 MPH
- Hydraulic remote outlet - Optional, one double acting with float
- Electrical Charging system capacity - 60 Amps
- Lights - Work lights. hazard/signal lights, beacon
- Horn – Standard
- Ground clearance - Front 10.8 in. (275 mm) / Rear 9.3 in. (235)
- Turning radius - Without brake 17.7 ft. (5.4m)

Equipment Specifications and Requirements:

- Equipment must have the following criteria in order to meet Safety and Operational needs

Color

- Paint – Orange (for safety purposes)

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ENGINE

- Type - 3-Cylinder, 4-cycle, Diesel, OHV
- Displacement - 68.5 cu. in. (1 123 cc)
- Horsepower Engine gross @ rpm - 24.8 1 hp (1 8.5kw) @ 3000 rpm
- Maximum torque - 51 .4 lb-ft 2000-2400 rpm (7. 1 kg-m (g) 33.3-40 r/s)
- Injection type - Indirect Injected
- Lubrication - Forced lubrication
- Cooling system - Liquid Cooled w/ Pressurized Radiator
- Exhaust/muffler - Muffler with screen-type spark arrestor
- Air filter - Paper filter w/ Safety Element
- Oil filter - Replaceable Treated Paper Element

COOLING SYSTEM

- Type - Liquid Cooled B'/ Pressurized Radiator

FUEL SYSTEM

- Fuel type - Diesel

CHASSIS, AXLE AND BRAKES

- Steering type - Hydrostatic Power Steering
- Type of front suspension - Dual A-arms, Independent suspension with coil
- Differential lock - Front axle - Front limited slip differential
- Type of rear suspension - Dual A-arms, Independent suspension with coil
- Differential lock - Rear axle - Standard. foot operated
- Brake type - Wet-Disk Brakes
- Parking brake - Rear wheel, hand operated
- Front towing receiver

DRIVE TRAIN/TRANSMISSION

- Transmission type - Variable Hydrostatic Transmission (VHT-X)
- Number of ranges - Hi-Lo range forward. Neutral. Reverse
- Drive wheels - 4WD

TRAVELING SPEEDS (WITH STANDARD TIRES)

- Minimum Traveling speed - Forward 22 MPH

HYDRAULIC SYSTEM

- Type - Open Center
- Power steering pump - Hydrostatic Pump
- Total hydraulic flow - 3.0 gpm (1 1 .2 1/min.)
- Hydraulic remote outlet - Optional, one double acting with float

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ELECTRICAL

- Alternator- Standard
- Charging system capacity - 60 Amps
- Battery voltage x capacity - 12 Volts x 650 CCA
- Gauges - Engine coolant temperature, fuel gauge, hour meter
- Easy Checker - Standard
- Instrument panel - Glow plugs, oil level, charge status, parking brake indicator
- Lights - Two 37.5-watt blue-tint halogen and two brake lights
- Lights - Work lights, hazard/signal lights, beacon
- Horn - Standard

DIMENSIONS

- Ground clearance - Front 10.8 in. (275 mm) / Rear 9.3 in. (235)
- Turning radius - Without brake 17.7 ft. (5.4m)

SAFETY EQUIPMENT

- ROPS - Standard, Rigid
- Color Orange – High visibility while performing cemetery operations

MANUALS

- Operator's manual shall be provided
- Mechanics / Maintenance Manuals shall be provided