

Attachment A

Salient Characteristics Required for Mobile, Towable Diesel Horizontal Tower Lights for the C.W. Bill Young Dept. of VA Medical Center (516) **– QTY 2**

Equipment Requirement: Vendor shall provide two (2) mobile, towable, diesel horizontal tower lights to the C.W. Bill Young VAMC. The equipment **must** meet or exceed the following specifications.

1. Engine

- 4 cylinder liquid cooled, diesel engine
 - i. Standby - 24.7 hp @ 1800 rpm
 - ii. Prime - 23.5 hp @ 1800 rpm
- 60 Hz engine/generator
- Industrial engine exhaust system
- Rubber vibration dampers isolate engine/generator from frame
- Cooling system capable of operating at 120°F ambient
- Full flow oil filter, spin on type
- Fuel filter with replaceable element
- Dry type cartridge air filter
- Polyethylene fuel tank with 56 gal. capacity
- 43 hr. run capacity
- 3.5 in. fill port

2. Engine Controls

- Aluminum control panel, engraved and punched
- Four position keyed switch – glow plugs (preheat, off, run, start)
- Hour meter
- Automatic low oil and high temperature shutdown system

3. Generator

- 15kW standby output
- 120/240 VAC – 125/63A
- +/- 1% electronic voltage regulation

4. Electrical and System Controls

- Individual floodlight circuits with 15A breakers
- Ballast indicator lights
- 70A start limit breaker (assures no load condition exists before starting)
- Standard individually breakered convenience outlets:
 - i. (2) 120 VAC 20 Amp GFCI duplex outlets (NEMA 5-20R type)
 - ii. (2) 240 VAC 30 Amp Twistlock outlets (NEMA L6-30R type)
 - iii. (2) 240 VAC 50 Amp Twistlock outlets (Non-NEMA 6369)
- 440CCA wet cell battery

5. Floodlights

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- (4) light fixtures – 1000 watts each -metal halide
 - Aluminum oval reflector
 - Tempered glass lens
 - Silicone gaskets for moisture and dust protection
 - Friction disc mounting for tool-less positioning
 - Individual floodlight On/Off switches
6. **Mast**
- 30ft. maximum extension
 - 3-sections
 - Tubular steel frame must be 3" square tube with 3/16 in. wall
 - Urethane guides on all sides of mast tubes
 - Black powder coating finish
 - Dual winch system located ergonomically to allow single person operation
 - 359 degree ground-level rotation with locking system
 - Coiled mast cord
 - Single lifting eye and fork pockets
7. **Enclosure**
- 14-guage steel enclosure
 - i. UV& fade resistant, high temperature cured, white polyester powder paint
 - ii. 68 dB at 23ft – prime power
 - Stainless steel hinges on doors
 - License plate holder w/light
 - Manual holder w/operating manual
8. **Trailer**
- Removable tongue – 48in long w/(4) 2000lb adjustable leveling jacks – 4-point stance
 - All jacks transport and lock in horizontal position
 - Side outriggers w/ 140" span
 - 7800 lb. safety chains with spring loaded safety hooks
 - 2" ball hitch
 - Polyethylene fenders
 - DOT approved tail, side, brake and directional lights