

## **BID SPECIFICATIONS**

### **ALL-TERRAIN PORTABLE LIGHT SYSTEM**

1. All-terrain portable light system incorporates:
  - One all-terrain three-legged frame,
  - One 2200-watt generator,
  - One telescoping pole,
  - One high output LED light, and
  - One case in which to store the light.
2. System shall stand, with legs and pole fully extended, over 8.5 feet tall.
3. System shall have three independently adjustable, outward curving, powder-coated legs made of solid aluminum, which:
  - Allow the unit to rise twelve inches above the ground in order for the generator to be raised above sand, snow, water, and ground debris;
  - Allow the unit to be level when placed on stairs or uneven ground; and
  - Protect the generator and keep it up off the ground, even when retracted.
4. System, without the light or pole attached and not including the case, shall:
  - Measure 27 inches long x 15 inches wide x 21 inches high, and
  - Weigh less than 59 lbs., not including fuel and oil.
5. System shall include one LED light head which shall:
  - Produce 28,000 lumens of light and use only 336 watts of power;
  - Be detachable from the pole using a knob mounted at the base of the light head;
  - Weigh less than 10 lbs. and measure 14.5 inches long x 3.5 inches wide x 15 inches high; and
  - Be able to tip far forward and back and rotate more than 360 degrees without repositioning the generator.
6. System's telescoping pole shall:
  - Be detachable from the generator portion of the system by turning a knob on the frame;
  - Retract no less than 44 inches and extend no more than 84 inches (not including the light head); and
  - Have a twist-lock mechanism allowing the pole to be locked at any length in between the retracted and extended lengths.
7. System's power supply shall be a gasoline powered generator with inverter technology for fuel efficiency, super-quiet operation, and computer-safe. The generator shall:
  - Have a rated wattage of 1800W (15A) and maximum wattage of 2200W (18.3A);
  - Power a 336 watt light for 8.3 hours on a 0.95-gallon tank of gas;
  - Feature 20A 125V duplex receptacles, NEMA plug 5-20P; and
  - Not exceed 57 dB at rated load and 48 dB at ¼ load.
8. System shall include one injection molded plastic case, which shall:
  - Be made in the USA of extreme-duty polypropylene copolymer resin;
  - Measure 22.5 inches long x 8.5 inches wide x 18 inches high;
  - Meet military standards for protection against air, water, theft and impacts (MIL-STD-810G);
  - Have polyethylene closed-cell inner foam cut exactly to fit the LED light head, which will not disintegrate with sun or water and will protect and cushion the light and provide extra energy/shock absorption;
  - Be submersible, water-tight, and dust-proof; and
  - Feature two-step latches, multiple points for padlocks, and multiple recessed handles.
9. System shall be covered by warranties of:
  - 1 years on the generator;
  - 5 years on the light head;
  - Lifetime on the case; and
  - 5 years on other components, workmanship, and materials.
10. System shall be available with these optional accessories:
  - Digital combination tachometer and hour meter, which tracks RPM and total hours.
  - Receiver Hitch Pole Mount that fits standard 2-inch receivers and holds any 1.75 inch diameter telescoping pole and light.
  - Truck-Mount hardware to hold a telescoping pole and light firmly to a wall, cabinet door, or side of truck.