

## **BID SPECIFICATIONS**

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

1. All-terrain portable light system incorporates:
  - One all-terrain three-legged frame,
  - One 2200-watt generator,
  - Three telescoping poles, and
  - Three high output LED lights.
2. System shall stand, with legs and poles 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 eleven 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 lights or poles attached, shall:
  - Measure 27 inches long x 16.5 inches wide x 21 inches high, and
  - Weigh less than 63 lbs., not including fuel and oil.
5. System shall include three LED light heads, each of which shall:
  - Produce 28,000 lumens of lights while using only 336 watts of power each (84,000 lumens and 1,008 watts total);
  - Be detachable from the poles 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 side x 15 inches high; and
  - Be able to tip forward and back and rotate more than 360 degrees without repositioning the generator.
6. System's telescoping poles shall each:
  - 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 power. The generator shall:
  - Have a rated wattage of 1800W (15A) and maximum wattage of 2200W (18.3A);
  - Power three 336 watt lights for 5.8 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 be covered by warranties of:
  - 3 years on the generator;
  - 5 years on the light head; and
  - 5 years on other components, workmanship, and materials.
9. 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.