**TECHNICAL SPECIFICATIONS**

* **Light Tower**

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| **IOM’S SPECIFICATIONS / MINIMUM REQUIREMENTS** | | **BIDDER'S SPECIFICATIONS** | **Indicate**  **COMPLY or NOT Comply** |
| **Lighting** | | | |
| Number of Lamps | 4 |  |  |
| LED lamp wattage per lamp | 320 W |  |  |
| LED lamp lumens per lamp | 38500 lm |  |  |
| Operating time (4 lamps) | 80 hr |  |  |
| Led lamp type | COB |  |  |
| Lamp position adjustment | Freely rotating left-right & up-down on nylon washers with spring locking pin to  hold up-down position |  |  |
| Mast orientation option | Laydown mast |  |  |
| Vertical mast wind rating | 50 MPH |  |  |
| Mast rotation | 355 degrees |  |  |
| Mast height | 8 meters |  |  |
| Mast structure | Tubular steel |  |  |
| **Control Detail** | | | |
| Engine - generator control interface | Start/ stop/ run switch |  |  |
| Lighting control | Sequenced light control (SLS 1.1) |  |  |
| Mast control | Manual crank type winch |  |  |
| Control display output | Hourmeter |  |  |
| **Engine Details** | | | |
| Engine induction | Naturally aspirated |  |  |
| Engine displacement | 1 L |  |  |
| Number of cylinders | 3 |  |  |
| Mechanical output (prime) at 1800 RPM | 11.3 hp |  |  |
| Engine speed maxload | 1800 RPM |  |  |
| Engine speed no load | 1800 RPM |  |  |
| Electrical system voltage | 12 VDC |  |  |
| Battery type | Group 24 |  |  |
| **Alternator Details** | | | |
| Output phase and voltage | 1 phase 220 VAC |  |  |
| Power output rating | 6 kVA |  |  |
| Armature connection | 4 leads |  |  |
| Excitation type | Capacitor type |  |  |
| Voltage regulation | Voltage permissible variation +/-10% |  |  |
| Frequency permissible variation +/-5% |  |  |
| **Trailer Details** | | | |
| Standard trailer coupler | Adjustable height combination 3" ball (or bulldog) coupler, 3" lunette ring for pintle hitch |  |  |
| Electrical connector | 4-way flat connector |  |  |
| Outrigger quantity | Two receptacle side outriggers at the front of the trailer, one pivoting jack at  center rear of the trailer |  |  |
| Leveling jack load capacity | Outrigger and tongue jacks - 2000 lb |  |  |
| **Body Detail** | | | |
| Fluid containment | Steel containment tray with rear drain |  |  |
| Fuel tank size | 30 gal |  |  |
| Enclosure | Reaction injection molded |  |  |
| Door hinge material | Steel hinge and hinge pin |  |  |
| Fork pockets / lifting eyes | 2 lateral fork pockets under laydown mast when in transport position, lifting eye  at top of laydown mast when in transport position |  |  |

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## Supplier’s authorized signature over printed name