


**PRINCIPAL PARTICULARS**

|                |                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------|
| Vessel Type    | Utility Vessel, Offshore Support Vessel                                                                        |
| Builder        | BlueGen Marine Pvt. Ltd.                                                                                       |
| Designer       | Blue Marine Solutions                                                                                          |
| Classification | Bureau Veritas<br>BV I +HULL +MACH, OFFSHORE SUPPORT VESSEL, FIRE-FIGHTING 1,                                  |
| Notation       | UNRESTRICTED NAVIGATION, INWATERSURVEY, CLEANSHIP, BIORISK SECURED, SMART (H1, MH1), DATA-INFRA. CYBER MANAGED |
| Length Overall | 40.00 m                                                                                                        |
| Length B.P.    | 36.00 m                                                                                                        |
| Beam Moulded   | 11.00 m                                                                                                        |
| Depth Moulded  | 3.75 m                                                                                                         |
| Design Draft   | 3.00 m                                                                                                         |

**PROPULSION SYSTEM**

|                   |                                                                                  |
|-------------------|----------------------------------------------------------------------------------|
| Main engine       | 2 x Cummins KTA 19-1250HP @ 1800RPM                                              |
| Propulsion system | 2 x CPP, 1900 mm dia, 356 rpm.                                                   |
| Reduction Gear    | 2 x reduction gearboxes with built-in hydraulic clutches, ratio $\approx$ 5.06:1 |
| Generator set     | 2x 450KW(e) diesel driven                                                        |
| Bow Thruster      | 1 x 280kW electric driven 280kW, Min. 4 ton Thrust.                              |

**PERFORMANCE**

|                      |                          |
|----------------------|--------------------------|
| Gross Tonnage        | < 500                    |
| Deck loading         | 3.0 Tons/m <sup>2</sup>  |
| Work deck area       | ab. 140 m <sup>2</sup>   |
| Service speed @S.L.L | Min. 12.0 Knots @85% MCR |
| Endurance            | 14 days @100% MCR        |

**TANK CAPACITIES**

|                      |                                 |
|----------------------|---------------------------------|
| Fuel Oil             | 175-200 m <sup>3</sup> (Approx) |
| Fresh Water          | 70 m <sup>3</sup> (Approx)      |
| Foam                 | 10 m <sup>3</sup> (Approx)      |
| Dispersant           | 10 m <sup>3</sup> (Approx)      |
| Dirty Oil            | 6 m <sup>3</sup> (Approx)       |
| Lub oil              | 4.0 m <sup>3</sup> (Approx)     |
| Bilge Holding/Sewage | 12/12 m <sup>3</sup> (Approx)   |
| Slop Tank            | 15 m <sup>3</sup> (Approx)      |
| Fuel Oil Overflow    | 4.0 m <sup>3</sup> (Approx)     |

**DECK MACHINERY**

|            |                                                                                  |
|------------|----------------------------------------------------------------------------------|
| Deck Crane | Max extended 18.3m, 10T@3.1m / 1.5T@15.3m                                        |
| Windlass   | E-HYD. ANCH. WINDLASS – DBL. GYPSIES & DBL. WARPING HEADS; CAP. 4.5 T @ 10 M/MIN |
| Anchor     | 2 x HHP AC-14 type anchors, stowed in anchor-pockets, each of 675 kg.            |

**AUXILIARY EQUIPMENT**

|                                 |                                       |
|---------------------------------|---------------------------------------|
| External FIFI                   | 2 x 1350 m <sup>3</sup> /hr @1800 rpm |
| Fire Monitors<br>(water / foam) | 2 x 1200 m <sup>3</sup> /hr           |

**NAVIGATION & COMMUNICATION**

|                                 |                                                                                |
|---------------------------------|--------------------------------------------------------------------------------|
|                                 | 1 x X-Band Radar (IMO-type approved)                                           |
| Radar                           | 1 x Garmin Radar Scanner-1 set<br>Interface with Garmin chart plotter (4.5.13) |
| Echo Sounder                    | One (1)                                                                        |
| GPS                             | One (1)                                                                        |
| Magnetic Compass                | One (1)                                                                        |
| Doppler Speed Log               | One (1)                                                                        |
| AIS                             | One (1)                                                                        |
| Internal Communication          | Self-Powered Telephone, Intercom System, Public Address System                 |
| Handheld/Portable VHF Radio     | Six (6)                                                                        |
| Gyro Compass                    | One (1)                                                                        |
| Autopilot                       | One (1)                                                                        |
| Anemometer                      | One (1)                                                                        |
| Chart Plotter Units             | One (1)                                                                        |
| Simplified Voyage Data Recorder | One (1)                                                                        |
| GMDSS System                    | Sea area A1+A2                                                                 |
| VSAT System                     | One (1)                                                                        |

**ACCOMMODATION**

|               |             |
|---------------|-------------|
| Total POB     | 27 Men      |
| 1-Man Cabin   | Five (5)    |
| 2-Men Cabin   | Eleven (11) |
| Mess Room     | Two (2)     |
| Laundry room  | One (1)     |
| Galley        | One (1)     |
| Prayer Room   | One (1)     |
| Client Office | One (1)     |

**LSA & FFA EQUIPMENT**

|                             |                                                                 |
|-----------------------------|-----------------------------------------------------------------|
| Life Raft                   | 6 x 15-men (SOLAS)                                              |
| Lifebuoy                    | Eight (8)                                                       |
| Lifejackets                 | Thirty-eight (38)                                               |
| Search Lights               | 2 X 2000W Searchlights                                          |
| Fire Blankets               | Two (2)                                                         |
|                             | 1 x Line throwing apparatus                                     |
| Pyrotechnics                | 12 x Parachute distress rockets<br>2 x Orange smoke signal each |
| SCBA Compressor             | One (1)                                                         |
| Fireman's Oufit             | Four (4)                                                        |
| Portable Fire Extinguishers | 9 x 5 kg Dry powder                                             |