

JANA MARINE SERVICES COMPANY W.L.L

60.00 M - Work Vessel - M.V. Jana 36

PRELIMINARY SPECIFICATION (Vessel under construction. Delivery - October 2015)

DIMENSIONS

| | |
|-----------------------|-------------|
| Length Overall | : 59.60 M |
| Breadth | : 13.80 M |
| Depth Moulded | : 5.00 M |
| Gross Tonnage | : 1580 |
| Draft at S.L.L | : 3.60 M |
| Displacement at S.L.L | : 2200 Tons |

MACHINERY

| | |
|-------------------------|--|
| Main Engines | : 2 x Caterpillar, 2250 BHP each |
| Propellers | : 2 x Fixed Pitch |
| Main Generators | : 3 x 550 KW (e), 440V, 60Hz, 3 Ph |
| Shaft Generators | : NIL |
| Emergency Generator | : 1 x 80 KW(e), 440V, 60Hz, 3 Ph |
| Bow Thrusters | : 2 x 280 KW Tunnel Thruster, Electric - Nakashima |
| Stern Thrusters | : 1 x 280 KW Tunnel Thruster, Electric - Nakashima |
| Starting Air Compressor | : 2 x 15 CuM/Hr at 30 Bar |
| F.O Purifier | : 1x 1000 Liters/ Hr (LS HSD) |
| L.O Purifier | : NIL |
| Sewage Treatment Plant | : Biological Type for 50 Men |
| Oily Water Separator | : 1 CuM/ Hr |

CAPACITIES

| | |
|----------------------|--|
| Deadweight (approx.) | : 1000 Tons (Approx.) |
| Fuel Oil | : 450 Cu.M |
| Potable Water | : 550 Cu.M |
| Water Ballast | : 150 Cu.M |
| Bilge, Dirty Oil | : 8 Cu.M each |
| Sewage | : 40 Cu.M |
| Dispersant | : 5.00 Cu.M. |
| Foam | : NIL |
| Free Deck Area | : 325 Sq.M (Approx), Loading 5 Ton/ Sq.M |
| Deck Cargo | : 200 Tons |
| Freezer & Chiller | : 10 Cu.M (approx.) each |
| Dry Provision Room | : 15 Cu.M (approx.) |

TRANSFER RATES

| | |
|----------------------|---------------------------|
| Cargo Fuel Pump | : 2x 100 Cu.M/Hr @ 60M wc |
| Cargo Water Pump | : 2x 100 Cu.M/Hr @ 60M wc |
| Bilge / Ballast Pump | : 2x 40 Cu.M/Hr @ 50M wc |
| Fire Pump | : 1x 40 Cu.M/Hr @ 50M wc |

COMMUNICATIONS

| | |
|------------------|---|
| GMDSS Station | : Areas A1, & A2 |
| VHF Desk Mounted | : 4 x Sailor RT 2048 (Including the Rescue Boat) |
| VHF hand held | : 3 Nos. + 3 Spare battery & Charger |
| EPIRB | : 1 No. |
| SART | : 2 Nos |
| | : 1x Fleet Broadband Connected to E-mail, Phone & Fax |
| INMARSAT | : (1 for ship and 1 for client) |

| | |
|------------------------|---|
| Internal Communication | : Public Address, Talk Back & SPT |
| | : Telephone in cabins, Office, Workshop |

NAVIGATION EQUIPMENT

| | |
|-----------------------|--|
| Magnetic Compass | : 1 No. (Reflector Type) |
| Gyro Compass | : 1 No. + 3 Repeaters (2 Analogue + 1 Digital) |
| Auto Pilot | : 1 No |
| Radars d | : 2 nos - X- Band slave at aft. |
| Echo sounder | : 1 No |
| Navtex | : 1 No. |
| Wind sensors+ Display | : 1 Nos. |
| GPS | : 1 Nos. (1 No. Survey Grade) |
| Weather Facsimile | : 1 No |
| Speed Log | : 1 No |

REGISTRATION

| | |
|------------------|---|
| Port of Registry | : Dammam , KSA |
| Class & Notation | : ABS +A1 (E) Offshore Support Vessel (Supply), SPS, AMS, UWILD |
| Additional | : Compliance with SPS 2008, MLC 2006 |

ACCOMMODATION - For Total 50 Persons, including crew

| | |
|--------|----------------------|
| 10 Men | : 10 x 1 Berth Cabin |
| 8 Men | : 4 x 2 Berth Cabin |
| 32 Men | : 8 x 4 Berth Cabin |

OTHER FACILITIES

| | |
|------------------------|--|
| Offices | : 2 nos - 1 no. for client and 1 no. for ship |
| Workshop (Below deck) | : Air conditioned dedicated workshop facility |
| Mess / Recreation | : 2 Mess Room Cum recreation room |
| | : Satellite TV in single cabins and recreation rooms |
| | : 1 no Prayer room |
| Hospital | : 1 no dedicated hospital |



PERFORMANCE

| | |
|-----------------|--|
| Speed (Service) | : 12.0 knots (Maximum) |
| Maneuvering | : Twin Maneuvering console in wheel house. |

DECK MACHINARIES

| | |
|-----------------|--|
| Anchors | : As per Class requirement (1200 Kg x 2 nos HHP type) |
| Chain | : 2x 330 Meters |
| Anchor Windlass | : One - As per class requirements |
| Chain Stopper | : 2 x Roller Type with lashing screw |
| Capstan | : 2 x Electro-Hydraulic , 5 tons |

CONSTRUCTION FACILITIES (Optional - Not integral part of the Vessel)

| | |
|-----------------------|---|
| Deck Crane (Optional) | Marine Padestal Crane rated for 15 tons @ 10 Meters radius 10 Tons @ 15 Mtrs Radius. Crane mounted on centre line Aft 5 Tons 20 meters @ radius to a height of 30 meters OR Crawler Crane Rated for 60 Ton, hydraulic telescopic boom, Hook height 120 feet. |
|-----------------------|---|

| | |
|------------------------------|---|
| Welding Machines | One (1) x 6-pack Electric (Miller or equivalent) Two (2) x Diesel Driven (Miller or equivalent) |
| Air Compressor | : One (1) Diesel Driven compressor.600 CFM @7.5 Bar, complete with filtering,dewatering,in-line oiling accessories and flame arrestors. |
| Portable Diesel Generators | 1x 200 KVA, 440V, 3PH, 60 Hz complete with 100 Meters cable, filters, mandatory spare parts and spare parts manual 1x 60 KVA, 440V, 3PH, 60 Hz complete with 100 Meters cable, filters, mandatory spare parts and spare parts manual |
| Scaffolding Tubes | 300 Pcs each of - 21, 15, 10 & 6 feet long - Total- 1200 |
| Clamps for scaffolding Tubes | 500 each – right angle (double) coupler 250 each – adjustable (swivel) coupler 100 each - Girder (beam) coupler 250 each - Bearer (putlog single) coupler 50 each – sleeve coupler 20 each - base plates |
| Scaffolding boards | 250 each - 12 feet long 150 each - 6 feet long |
| Wooden Ladders | 4 Pcs, 15 feet long |
| Stock of Consumables | Drill Bits, saw Blades, welding rods, grinding discs, etc |
| Gas Welding / Cutting Sets | 3 sets , OXY-Acetylene sets complete with hoses 150 feet long with gauges, regulators, hose splicing kits, one Pc spare hose, 3x Welding / cutting torches |
| Gas Quads | 2x 40 Cylinder oxygen rack complete with cylinders 2x 20 Cylinder Acetylene rack complete with cylinders 1x 10 Cylinder Argon rack complete with cylinders 1x 10 Cylinder Nitrogen rack complete with cylinders |
| Electric Welding sets | 4x TIG welding sets, with tungsten Collets, Ferrules, Gauges, etc. |
| Welding Ovens | : 1 x 200 Kg Welding Rod holding oven 1 x 200 Kg Welding Rod baking oven |
| Painting Machine | 1 set |
| Grit Blaster | 1 Set |
| Deck Power Supply | : 300 KW(e), 440V, 60 Hz, 3 PH - From MSB |
| Covered fabrication Space | : 20 M2 - for Fabrication and Welding. |
| Flushing Pump | : The Fi-Fi Pump is used as flushing pump |
| Breathing Air Compressor | : 1 x Suitable for filling 200 & 300 bar SCBA bottles |

| | |
|----------------|--|
| Stores / Rooms | : Rigging Store , Calibration Room, Tool room |
| | : Dark room for development of Radiographic films. |

SAFETY & FIREFIGHTING

| | |
|--------------------|---|
| Rescue Boat | : As per SOLAS and complying with SPS 2008 |
| Life rafts | : As per the SOLAS |
| Fire Extinguishers | : As per Class requirement |
| FiFi Pump | : 1x 750 M3 /HR , Independently driven by Diesel Engine |
| Monitors | : 2 x 350 Cu.M/Hr @ 8.0 Bar |
| Emm. Fire/Pump | : 35 Cu.M/Hr @ 45M head |
| Fixed Suppression | : Fixed CO2 System |
| Dispersant System | : 2 nos Spray Booms |
| Fixed H2S/ LEL | : Six (5) sensors each |
| Search Lights | : 2 x 1000 W, underdeck operated |