

## JANA MARINE SERVICES COMPANY W.L.L

### 60.00 M - Work Vessel - M.V. Jana 35

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 <b>OR</b> Crawler Crane Rated for 60 Ton, hydraulic telescopic boom, Hook height 120 feet.
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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 4 Pcs, 15 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