



## **DERRICK LAY BARGE – DLB 1600**

1. **NAME OF VESSEL** : DLB 1600
2. **OWNERS** : Valentine Maritime (Gulf) L.L.C.
3. **YEAR BUILT** : Under Construction
4. **BUILDERS** : Nanjing Tianshun Shipbuilding Co. Ltd.
5. **FLAG** : PANAMA
6. **PORT OF REGISTRY** : PANAMANIAN
7. **HULL**
  - a. Type of Vessel : Derrick Lay Barge.  
Box type floating Pontoon, made of steel, all welded construction, with wooden deck & pipelay ramp.
  - b. Classification : ABS, A1 Barge
  - c. Dimensions : Length 120.00 meters (393.60 feet)  
Breadth 31.70 meters (104.00 feet)  
Depth 9.00 meters (29.50 feet)  
Draft 6.50 meters (approx.)
  - d. Fenders : Heavy duty wooden fenders and heavy duty rubber tyres at regular intervals.
  - e. Mooring / Towing Fittings: Equipped with necessary bollards bits, 08 Fair leads, main & emergency tow bridles.
8. **CRANES**
  - a) **Derrick Crane**
    - Fully revolving, pedestal mounted ZPMC Crane

**Capacities:**

    - Main Hook (fixed mode) : 1600 MT @ 32 mtr Radius
    - Main Hook (Revolving) : 1200 MT @ 32 mtr Radius
    - Auxiliary Hook : 300 MT @ 80 mtr Radius
    - Whipline : 50 MT @ 78 mtr Radius

**Boom Length:**

    - Main Hook : 70.00 meters (230 feet)
    - Auxiliary Hook : 76.90 meters (252 feet)
    - Whipline : 85.48 meters (280 feet)



## 9. PIPE LAY GEAR

- a) **Tensioner**  
Two Nos. Hydraulically Operated Tensioner of 100 MT capacity each.
- b) **A & R Winch**  
One Hydraulically Operated A & R winch of 200 MT capacity
- c) **Stinger**
  - Short rigid stinger for shallow waters
  - Floating stinger either one section of 37 m; or two sections of 68 m (37 m & 31 m), for deep water.
- d) **Davits**  
Suitable quantity of Davits of 30T-40T Capacity is mobilized with respect to Project requirement.
- e) **Other Accessories**  
Barge is equipped with Electro Hydraulic operated Longitudinal / Transverse pipe conveyor system, Pipeline up station, 5 Nos. VERMAAT Dual Torch Auto welding stations, one X-Ray station & one Dope / Foam Fill station.

## 10. MOORING SYSTEM

- 10 point mooring system
- 10 Nos. self adjusting fair leads with 12 Ton Delta Flipper Anchors.
- Anchor Lines with 1650 mtr long x 52 mm diameter wire rope on 2 Drums.
- 10 Nos. 150 MT Single Drum Hydra marine PLIMSOLL Winch driven by Electric Motors, Model: PC-15MW/SD-150/225-PL.

## 11. SERVICE TANKS

- Fresh Water Tanks : 2000 Cu.M.
- Fuel Tanks : 1000 Cu.M.

## 12. ACCOMMODATION

The Barge is equipped with air conditioned quarters for 300 personnel with galley, recreation rooms, hospital and offices.

Single Berth Cabin	:	08 Nos.
Twin Berth Cabin	:	14 Nos.
Four Berth Cabin	:	66 Nos.



**13. Hospital**

Hospital is equipped with Medical equipment, accommodation for Medic & a bed for the observation of the patients.

**14. HELIDECK**

Helideck located at the Port Bow of the barge suitable for the landing of "SIKORSKY S92" or equal type of the Helicopters.

**15. BARGE POWER**

8 Nos. generators powered by CUMMINS Diesel Engine (Capacity 1050 KW each, 50 Hz, 415 V)

1 No. generator powered by CAT Diesel Engine (Capacity 500 KW, 50 Hz, 415 V)

**16. WATER MAKER**

2 Nos. AQUA-TECH Reverse Osmosis Water Maker, Capacity of 75 MT / Day / Each.

**17. OILY/WATER SEPARATOR**

1 No. Oily water separator.

**18. SEWAGE TREATMENT PLANT**

2 Nos. Sewage Treatment Plant.

**19. AIR COMPRESSORS**

- 2 Nos. I/R Diesel Engine Driven Compressor

**20. Main Working Deck**

The working area of deck is covered with double layer crossed, heavy-duty timbers allowing deck loading in excess of 20 MT/M<sup>2</sup>.

Available clear deck area is 1000 SQM.

**21. WORKSHOP**

Barge is equipped with workshop in the lower deck level.

**22. STORES**

Equipped with stores to keep main tools, welding tools, consumables, paints electrical equipment, rigging equipment, Barge equipment spares.

**23. WELDING MACHINES**

- Vermaat Dual Torch Auto-weld System 10 Units
- Miller SRH 444 (400 Amps Electric) 6 Nos.
- Miller Dimension 456 Inverters 16-20 Nos.

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**SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE OR LIABILITY**

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**24. COMMUNICATION**

MINI 'M' Satellite Communication System with, SSB, VHF, Hand held radios, PA System & EPIRB etc.

**25. FIRE FIGHTING EQUIPMENT / FACILITIES**

Equipped with Fire Fighting Equipment facilities to meet CLASS requirements.

**26. HEAT AND SMOKE DETECTION**

Heat and smoke sensors, installed with audible and visual alarms in all quarters, stores and deck.

**27. LIFE SAVING APPLIANCES**

- **Life Rafts / Life Jackets**
  - As required by Flag / Class Society.
- **Life Buoys & MOB**
  - As required by Flag / Class Society.
- **Pyrotechnics**
  - As required by Flag / Class Society
- **Rescue Boat**
  - 'ZODIAC' Inflatable Speed Boat  
Model MK II, 6 persons capacity