DP 3000 Tons Heavy Lift Cum Pipe Laying Vessel





Vessel name:

SAPURA 3000

Sapura 3000 is an ABS DP2 Self Propelled Heavy Lift Pipe Laying vessel equipped with 3000 Short Tonnes Revolving Mast Crane. The vessel is capable of pipe laying in deep and shallow water projects.

Main Particulars:

Classification

Length between perpendiculars 151.2 m Breadth molded 37.8 m Depth to work deck, molded 15.0 m Depth to freeboard deck, molded 9.1 m Draft, maximum loaded 6.5 m

A1 (E) AMS DPS-2 Heavy Lift/Pipe Laying

Vessel

Flag Bahamas (with Provisional Malaysia International Ship

Registry) Helideck Suitable for Sikorsky S92

Accommodation capacity 330

8 - 10 knots Transit speed Deck load capacity, work deck 10 MT/sq.m Free deck area 2000 sq.m

Accommodation

All cabins have integrated toilet facilities equipped with vacuum system.

10 x 1 - person cabin 50 x 2 - person cabins 55 x 4 - person cabins

Fully air-conditioned accommodation equipped with offices for clients, recreation rooms, gymnasium, video rooms, helicopter arrival/departure room, prayer room etc.

Power Generation

Main diesel generators 6 x 4000 kW Emergency diesel generator 1 x 1000 kW

Propulsion & Dynamic Positioning

2 x 2400 kW Non-retractable azimuth thrusters (stern): Retractable azimuth thrusters 5 x 2400 kW Kongsberg SDP22 CLASS II system

Auxiliary Equipment

2 x 60T/day capacity Sewage treatment system Suitable for full

· Oily water separator

Safety Equipment

4 x 85 persons capacity Life raft 100% capacity

Sprinkler system in accommodation

- Fire detection system in accommodation and machinery spaces
- Water mist system in engine room
- CO, fire fighting system
- Foam system for heli-deck

Telecommunication Equipment

VSAT (Dual Antenna) with 1 Mbps Data Link INMARSAT Fleet

Heavy Lift Capability Heavy lift Mast Crane

Capacity, main hoist (± 25° over stern) 3000 S.T at 27 m radius Capacity, main hoist revolving 2200 S.T at 31 m radius Capacity, auxiliary hoist 800 S.T at 53 m radius Capacity, whip hoist 2200 S.T at 91 m radius

(Main hoist capacity can be upgraded to 3000 MT)

- Whip hoist is suitable for 2000 m of hook travel in single part
- Whip hoist and auxiliary hoist can be reeved to achieve subsea lifting capability of approx 300 S.T for 1000 m hook travel or approx. 700 S.T. for 500 m of hook travel.

Anti-heeling system for crane operations

1 x 1600 cum/hr Dedicated Pumps 3 x 1200 cum/hr

Subsea Structure Installation

- Using main crane
- Using A&R winch via A-frame over port or starboard side

Pipelay Capability

No. of Work stations

6" to 60" diameter plus concrete coating

9 stations in total 6 off welding stations + 1 off NDT/ repair station + 1 off station for corrosion coating/

blasting + 1 off field joint

Center-Lay Firing Line S-Lay System Consisting of:

- Pipe handling cranes on the work deck
- Pipe storage on work deck
- Endo conveyor line to the beveling station on work deck
- Bevelling station with transverse conveyor and transfer vehicle on work deck
- Pipe elevator loader and elevator for transport of the pipe to the freeboard deck through pipe loading hatch
- Endo conveyor line for transport to the ready rack transverse chain conveyor on the freeboard deck
- Transverse chain conveyor & transfer vehicles on freeboard deck Line up station with seam rollers on freeboard deck
- Pipe support rollers in firing line on freeboard deck
- 3 each tensioners and A&R winch
- Movable work station in firing line
- Stinger & stinger handling system
- Transfer vehicle for transport of rejected joints to the kick out endo conveyor line on freeboard deck and subsequent removal through kick out hatch by pipe handling crane (starboard)

Tensioners : 3 x 80 MT **A&R Winch**

360 MT Line pull, max Wire capacity 3000 m of 109 mm wire

Pipe Davits 6 x 50 MT capacity (Can be installed on port or

Stinger

Total length 90 m (adjustable geometry in three sections)

Minimum overboard radius 70 m Maximum pipe departure angle :

87 deg Equipped with load cells, underwater cranes & lights etc.

starboard side)

Stinger handling tackle capable of adjustment of the stinger from survival condition to the minimum over bend radius. Handling system is equipped with backup tackle. Stinger can be installed/ removed using main crane.

Pipe handling cranes 1 each on port side & 1

each on stbd side Capacity - 40 St at 29 m radius

Maximum outreach of 45m. Both cranes certified for man riding Equipped with anti-collision system

Optional Operations:

J-Lay System

- System is installed on starboard side when required
- Designed for rapid installation and removal with main crane
- Using 360 MT A&R winch Pipe size up to 20" diameter
- Double joint installation
- - Installation of SCRs and flowlines

2 Units of Work Class Remotely Operated Vehicles (WROVs)

- Vehicle Technical Specification (Depth Rating 3000m) Hydraulic System (1 x 150 Shaft HP Electric Motor)
- Manipulators (5-function Schilling Rigmaster)
- (7-function Schilling T4)
- Tether Management System (TMS)

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^{**} This vessel specification is given in good faith & assumed correct. Details given are without guarantee.

^{**} Owners reserve the right to amend the specifications without notification.