

CDL NEWS



"...an Odyssey of Excellence"

SPECIAL
OFFSHORE
EDITION

Colombo Dockyard Limited



Aban 2 - Offshore oil rig accommodated at
CDL's North Repair Pier.

MAJOR LAY-UP REPAIRS ON MOBILE OFFSHORE DRILL UNIT SAGAR VIJAY COMPLETED SUCCESSFULLY

MODU Sagar Vijay Creates Maritime History in Sri Lanka

Colombo Dockyard Ltd. (CDL) created history in the local maritime industry when successful completion of major layup and drydocking repairs were completed and the Mobile Offshore Drill Unit sailed off to Port Vizag on the 2nd of September 2003, where she was delivered to her owners Oil & Natural Gas Corporation (ONGC), meeting the stringent requirements of the classification society American Bureau of Shipping / Indian Register of Shipping and the owners.

MODU Sagar Vijay, a drill ship purpose built for oil exploration work, owned by Oil & Natural Gas Corporation, Mumbai, arrived in Colombo on the 15th of June for drydocking and major lay-up repairs. Colombo Dockyard Limited (CDL) managed to win this historical repair after fighting off stiff international competition.

This is the first time in the history of CDL such a highly sophisticated drill ship has called in for major lay up and drydock repairs giving CDL the much needed diversification from ordinary ship repairs on Tankers, Bulk Carriers, Trawlers. The management's strategy to shift

gear and enter into the top-end repair sector has been proven positive with the successful completion of this landmark project.

Being one of the key offshore operators in the region, the Oil and Natural Gas Corporation, Mumbai, (ONGC) which is the wealthiest organization in India with an extensive fleet of MOBILE OFFSHORE DRILLING UNITS (MODUs), JACK UP RIGS (JURs) and various other support vessels. Hence, the entry into providing repair service to ONGC as well as the offshore sector can be considered a dual breakthrough in CDL's short history.

The project management team adopted a customized project plan for this key project, using Japanese style approach for pre-planning the entire workflow and ironing out the possible bottle-necks, before the drill unit arrived in Colombo.

The project team had planned out the logistics of the entire operation and CDL's 125,000 dwt Drydock No.04 was selected to accommodate MODU Sagar Vijay for her repairs. She was accommodated in drydock for 38 days and the balance duration along side repair berth, the total project turnover totaling to US\$ 6.5 million.

Upon completion of the repairs in Colombo the Drill Unit sailed off to the delivery port of Visakapatnam (Vizag) in India, where MODU Sagar Vijay was officially handed over to her proud owners ONGC after the successful completion of her major lay up repairs.



MODU Sagar Vijay accommodated in CDL's No.4 drydock.

MODU SAGAR VIJAY READY TO SAIL OFF AFTER MAJOR LAY-UP REPAIRS AT CDL



LANDMARK PROJECT ON MAJOR RETROFIT REPAIRS ON FLOATING DOCK NAVY 1

Creating history in the maritime industry of Sri Lanka, Colombo Dockyard Limited (CDL) operating in Joint collaboration with Onomichi Dockyard Co. Ltd., Japan, completed the mega project of retrofit repairs to FLOATING DOCK NAVY-1 (FDN-1) successfully, when her owners, the Indian Navy received a fully commissioned and operational FDN-1 in Port Blair after acceptance trials meeting the stringent requirements of the owners / Classification society.

CDL won the international tender for the refit of Floating Dock No. 1 owned by the Indian Navy, fighting off fierce international competition. This can be considered the largest single project undertaken by CDL. The total contract value will amount to approx. US\$ 13.84 million. Significantly this is also the first job the Indian Navy had awarded to CDL, strengthening the bilateral relationship between Sri Lanka and India.

The Floating Dock Navy-1(FDN-1) was towed

back to Port Blair by Sri Lanka Shipping owned Motor Tug 'Mahanuwara', which was also the tug which towed her to Colombo. To accomplish the demanding and complex requirements of offshore projects, the management of CDL has set up a special unit named OFFSHORE ENGINEERING within the management structure of CDL. This unit is headed by Mr. Shantha Ratnayake and well supported by a team of dedicated senior engineers.

The floating dock built by IHI Japan and owned by the Indian Navy, sank during routine operations on the 6th of November 2002, when her ballast control system failed. This had led to uncontrolled trim, resulting in the flooding of wing - wall compartments and the consequent sinking of the Dock at the moored location in Port Blair in the Andaman Islands off India. The Dock had been successfully salvaged in early February 2003, after approximately 3 months under water.

Floating dock No.1 (FDN -1) with a length of 188.70 meters in length and 40.00 meters in breadth, was drydocked twice during her repair stay. After completing a major scope of work in Colombo the symbolic Flag of the FLOATING DOCK NAVY-1 took place on the 16th of March 2005 at the auspicious time of 11.29 Hrs under the patronage of Her Excellency Nirupama Rao, the High Commissioner for the Republic of India in Sri Lanka.

The broad work scope consisted of renewal of over 800 tons of steel and the rejuvenation of equipment and machinery to bring the floating dock back to operational state. The final output met the stringent classification requirements of the Lloyds Register of Shipping, UK.

This landmark project strengthens the already diverse portfolio of CDL taking the dynamic engineering institution to greater heights in the future. "The Odyssey of excellence continues..."

Major Work Scope involved..

- Repair/ Renewal in Ballast Tanks
- Fully Automated Ballast Control System
- Complete renewal of Electrical Systems
- Hull Coating
- Repair/ Renewal to Pump Room and Equipment
- Repair/ Renewal on Dock Floor, Inner and Outer Side Walls
- Repair/ Renewal on Top
- Deck and Fitted Equipment
- Repair/ Renew Working Cranes
- Repair/ Renewal in Accommodation Spaces
- Repair/ Renewal to Machinery Spaces, Machinery and Equipment
- Supply of Workshop Equipment
- Repair/ Renewal to Fire Fighting and Life Saving Equipment



Repairs in full swing



FDN-1 being Flagged Off from Colombo by Her Excellency Nirupama Rao the High Commissioner for the Republic of India in Sri Lanka.



Condition of machinery & equipment before repairs



FDN-1 arriving in Colombo



Repairs in Progress



FDN-1 back in operation at Port Blair

MAJOR RETROFIT REPAIRS ON OCEAN RESEARCH VESSEL SAGAR KANYA

Colombo Dockyard Limited (CDL) successfully completed major retrofit repairs to Ocean Research Vessel Sagar Kanya, owned by the National Centre for Antarctic Ocean Research, India and managed by the Shipping Corporation of India.

CDL ventured into Offshore engineering projects in year 2003, starting off successfully with major lay-up repairs to Mobile Offshore Drill Unit Sagar Vijay, thereafter earlier this year CDL successfully completed a mega project of retrofit repairs to Floating Dock Navy-1 owned by the Indian Navy. Successful completion of these landmark projects have established CDL as a key player in the offshore repair sector.

The major retrofit repair scope involves installation of a new dynamic positioning system from Kongsberg Norway, upgrading the vessel's existing Bow Thrusters from 850KW (existing) to 1,200KW (new) and installing retractable Azimuth Thruster 1,000 KW from Brunvoll, installation of specialised multi-beam echo sounder purpose-built for research work and the complete replacement of all five generators with New Watsila generators (5 Nos. x 1,000 KW).

The dedicated project team from CDL comprises of experienced engineers, supervisors and workers who are fully committed to re-deliver the vessel to the satisfaction of the owners / managers.



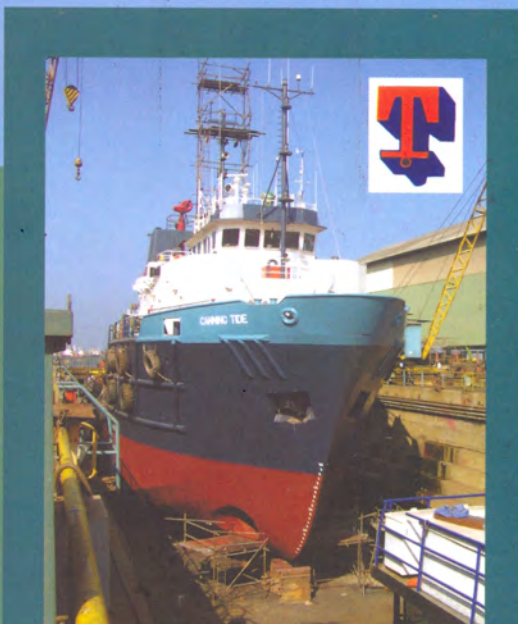
Multi beam eco sounder installaton in progress



Installation of Retractable Azimuth hruster unit in progress



ORV Sagar Kanya, drydocked for final testing and installation work, accommodated in Dock No. 4



AHT Canning Tide, owned by Tidewater Marine International Inc. USA called at CDL for routine drydock repairs in December 2006

COLOMBO DOCKYARD LTD - SUCCESSFULLY COMPLETES REPAIRS ON OFFSHORE JACK UP DRILL RIG ABAN II.

Colombo Dockyard Limited (CDL) operating in joint collaboration with Onomichi Dockyard Co. Ltd., Japan, has successfully completed the first Offshore Drill Rig repairs to ABAN II owned by the ABAN LOYD CHILES OFFSHORE LTD., INDIA.

The main scope of repairs was the rectification of the damage sustained to her Mat (the platform which is submerged) during operation. To carry out the repairs to the damaged Mat in the submerged condition, 4 cofferdams were fabricated in the workshop. The cofferdams isolated the damaged work areas and provided access to the workers while the Mat was submerged. Other routine maintenance repairs were also carried out during this call. The complete renewal on Cement line and X-ray test was carried out on all welded joints.

The CDL project team led by Ship Manager Mr. Purnaka Jayasinghe successfully carried out the complex repairs, meeting stringent requirements of the owners and the classification society American Bureau of Shipping (ABS). The owner's representatives, Mr. K. Jayarajan - Rig Manager, Mr. K. N. Radakrishnan - AGM Maintenance and Mr. Denise Perkins - Chief Maintenance Engineer.

The offshore rig Aban II was towed to her next drilling location in the East Coast of India (Karkinada) soon after completion of repairs and testing.

CDL has mustered internal resources as well as local specialists to tackle this project successfully. The towing operation of the rig was handled by Sri Lanka Shipping Ltd and Tug Mahanuwa while diving assistance and the preliminary underwater work was professionally handled by Master Divers (Pte) Ltd. The local agents for the Rig, Asha Agencies Ltd played a coordinating role in this operation.



The repair on the damaged Mat being carried out after placing the Cofferdams to isolate the damaged area from the water



The Cofferd Dam being shifted into place with the assistance of Divers



Scientific Services On A Global Basis
TDI-Brooks International, Inc.



MV. Geo Explorer accommodated alongside a CDL Repair Berth after successful completion of drydock repairs



Mr. Charlie L. Emerson - Chief Engineer and Capt. Keith A. Davis of MV. Geo Explorer.

Joint Interview with Mr. Charlie L. Emerson - Chief Engineer and Capt. Keith A. Davis of MV. Geo Explorer, a specialized offshore Oil Exploration Research Vessel, owned by TDI Brooks International Inc., USA, during her repair call to CDL on the 18th of January 2007.

Q1 Can you give us a background to your organization, TDI Brooks Inc. USA.

A1 TDI Brooks International Inc. is a US based operation headed by Dr. James M. Brooks. We are a worldwide service specializing in the oil exploration field, providing Geochemical / Geo Technical piston-core sampling, environmental surveys, hazard surveys, multi beam, side scan, magnetometer surveys to a global client network.

Q2 Is this your first repair call to Sri Lanka?

A2 Yes, this is our first call to Colombo, Sri Lanka. It was a pleasant surprise to find a friendly and accommodating culture conducive to repairs and related business.

Q3 You have experienced the repair facilities at CDL during your drydocking call to Colombo. What is your opinion of the facility?

A3 We are very pleased with the wide range of services offered and the prompt efficiency of the CDL team. We have carried our extensive drydock related repairs on the vessel, meeting with the classification society (ABS) and the owners requirements, during our stay in Colombo for over a month.

Q4 As a professional involved in the Offshore industry, what do you think of the Offshore sector growth globally and regionally.

A4 In my opinion the industry is growing rapidly both globally as well as in the Indian subcontinent and the South East Asian region. Before we arrived in Colombo the Geo Explorer was deployed in the Indian waters. From Colombo we are scheduled to shift to Mozambique and probably will return back to Indian waters for another assignment.

Q5 What is your impression of Sri Lanka as a future service provider for the regional Offshore industry? What improvements are needed?

A5 With Colombo Dockyard's key location advantage and the wide spectrum of services available, I see Colombo and CDL being good a facilitation point for Offshore Industry operators in the region.

End.



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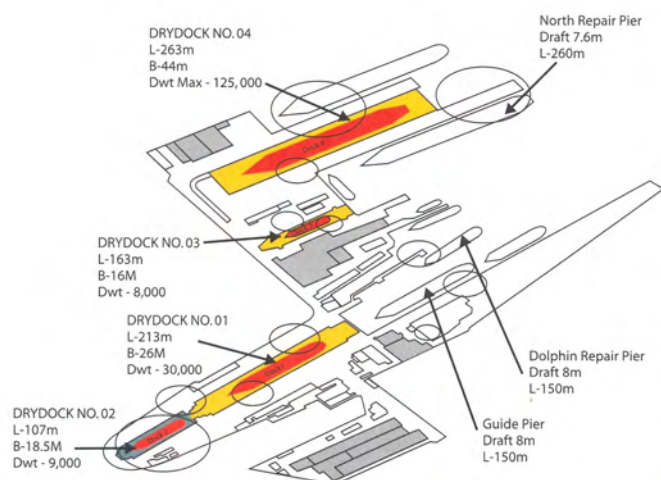
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Dock No	Length (m)	Breadth (m)	Depth (m)	Capacity(Dwt)	Crane(t)
1	213	26	9.7	30,000	50
2	107	18.5	6.7	9,000	50
3	122	16	5.5	8,000	10
4	263	44	8.9	125,000	50



Colombo Dockyard Limited

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