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ड्रेजिंग कार्पोरेशन ऑफ इण्डिया लिमिटेड
DREDGING CORPORATION OF INDIA LIMITED



DARPAN
THE MIRROR OF DCI

Issue 14 | July 2022



<http://dredge-india.com>





Shri Sarbananda Sonowal Hon'ble Union Minister of Ports Shipping & Waterways interacted with Capt S Divakar, Dredging Corporation of India Limited, MD & CEO (A/C) along with other senior officials of Ministry of Ports Shipping & Waterways, Govt of India.

Capt S Divakar, Dredging Corporation of India Limited, MD & CEO (A/C) is giving presentation on DCIL overall progress to Shri Sarbananda Sonowal Hon'ble Union Minister of Ports Shipping & Waterways along with other senior officials of Ministry of Ports Shipping & Waterways, Govt of India



DCIL organized special Covid 19 Booster Vaccination Drive at DCI Head Office, Visakhapatnam for DCI employees and their family members under the guidance of Capt S Divakar, DCIL, MD & CEO (A/C) in supervision of Dr Balaji Gummidi (Public Health Consultant) & Dr M Harika, Medical Officer, Department of Health and Family Welfare, Govt of Andhra Pradesh.

Shri Manoj Kumar R, Asst Manager (Survey)

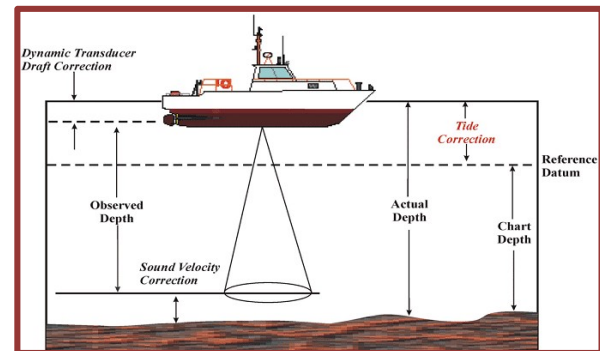


MARINE SURVEYORS

Hydrographic surveying or bathymetric surveying is the survey of physical features present underwater. This originates from the Greek terms “Bathus” (Deep) and “Metron” (Measurement).

It is the science of measuring all factors beneath water that affect all the marine activities like dredging, marine constructions, offshore drilling etc. We Hydrographic surveyors mainly carry out bathymetric survey by means of sensors, sounding or electronic sensor system for shallow water. The information obtained from hydrographic surveying is required to bring up nautical charts which involves, Available depths, Improved Channels, Breakwaters, Piers, the aids to navigation harbor facility.

These survey also take part in necessary data collection relating to construction and developments of port facilities, such as pier construction. This help in finding the loss in capacity due to silt and many uncertainties.



Hydrographic surveyors, also known as hydrographers, we use state-of-the-art technology to produce detailed plans of seabed's, harbors and waterways of the nation. We will be required to spend extensive time out on small boats managing unique survey equipment's. The harsh climate and rapidly changing weather conditions creates sea sickness. However, we are proud that we are specialized in precise positioning, data acquisition and processing in onshore or offshore marine environments.

Well trained in best utilization of specialized equipment on survey vessels such as Single beam echo sounder (SBES) and Multi beam echo sounder (MBES), Transducer, DGPS, velocity meter, Heave sensors and Side scan sonar, etc. to

determine the geography of a body of water, including the depth, tide measurements, shoreline obstacles, and physical features of the sea bed.

SOME PEOPLE EXCEL AT ROLE OF DCI HYDROGRAPHIC SURVEYOR AND SOME DON'T - WHICH ONE ARE YOU



We carryout bathymetric survey at various Ports channels, water ways to study these bodies of water to see what the "floor" looks like by collecting the sea bed data on survey vessels by handling unique survey equipment's and transform them into Hydrographic models. This data is also used to generate huge revenue to our Organization.

Hydrographic surveyor involved the following duties:

WORKING TOGETHER WITH CLIENTS TO MONITOR THE DAY TO DAY DREDGING ACTIVATES.

EXPLORING AND USING MARINE RESOURCES IN AN ETHICAL AND SUSTAINABLE WAY

Studying feasibility of inland waters and rivers, or ports and reclamation areas. Using specialized technical equipment to collect sea data for nautical charts and maps providing reports, managing data and answering technical queries from time to time producing accurate and reliable information for dredgers, pipelines and monitoring oceanographic research collecting soil samples for information about the type of seabed and arriving bulk density. In addition to the above, while doing onshore work may be called offshore to handle any issues that may arise with a project

THE CHALLENGES OF HYDROGRAPHIC SURVEYOR LOOK AMAZING

Hydrographic surveying on inland waters can often be extremely challenging as there may be many risks to both personnel and equipment or perhaps factors which compromise the survey

methodology resulting in poor data quality. Risks may come from ultra-shallow regions where the survey vessel and / or equipment may touch the riverbed; fast flowing currents in and around weirs, dams and intakes or, as seen more recently, due to flooded regions where submerged debris may be deemed too hazardous to survey. However, Life at sea is all about being ready for anything.

Other environmental factors such as poor GNSS positioning around bridges and under tree canopies; high turbid waters, fluid mud or even bubbles in the water downstream of weirs may all have a significant impact on data quality. The solution is therefore to try and mitigate these effects by using correct survey methodologies with proven equipment.

WHAT ARE THE FACTORS THAT NEED TO BE CONSIDERED WHEN PLANNING A HYDROGRAPHIC SURVEY?

The execution of a hydrographic survey can be divided into four components: (1) preliminary office preparations, (2) preliminary field work, (3) sounding operations, and (4) data preparation. Grading the survey area. It is essential to obtain

descriptions and positions of all control in the vicinity, Quality / reliability and /or uncertainty of existing hydrographic information, Stability of seabed, depth and width of navigable water in relation to vessel draught etc. A message to hydrographers: Your time is now there has never been a better time to be a hydrographer.

Our skills, data, and technology are in high demand globally, driven by an increased emphasis both on supporting the blue economy and of protecting the ocean upon which all life on earth depends. All of this activity is inspiring a surge of innovation in the hydrographic community.

By using both autonomous systems ourselves, and developing the critical information and algorithms to make them safe and effective, hydrographers are in the first wave of experts in unmanned vessels, making our world safer, more efficient, and kinder to the environment. Glory.

LET US APPRECIATE AND ADMIRE THE AMAZING WORK OF OUR DCI SURVEYORS AND MAKE THEIR DAY A WORTHY ONE.

Shri Samvit, JT Manager (HR)



AN OLD MAN'S SOLILOQUY

“I TOO WAS A CHILD”

I Am indeed an elderly soul, in the twilight years of my life, sitting pretty, on a deck chair, in a languid afternoon, calm and at ease, inanimate demeanor, as I evince. Yet, gazing at a baby do reminisce let my thoughts pause.

My mind walks down the memory lane, evokes vague emotions of bliss and despair, engulfed in nostalgia, as I could remember.

Childhood was always beautiful, spent amidst my own people, Got cuddled, kissed and cajoled, was the cynosure of all eyes, Never ceased to amaze them, a glimpse of my smile, Showered their unabated love, in all possible manner, My grandparents, parents, uncles, aunts and many more.

Alas, now, as I am up in years am of no use anymore, being pushed to a corner, as an unusable tatty furniture. A few, waiting for me to depart, as they want that space have been occupying for so long.

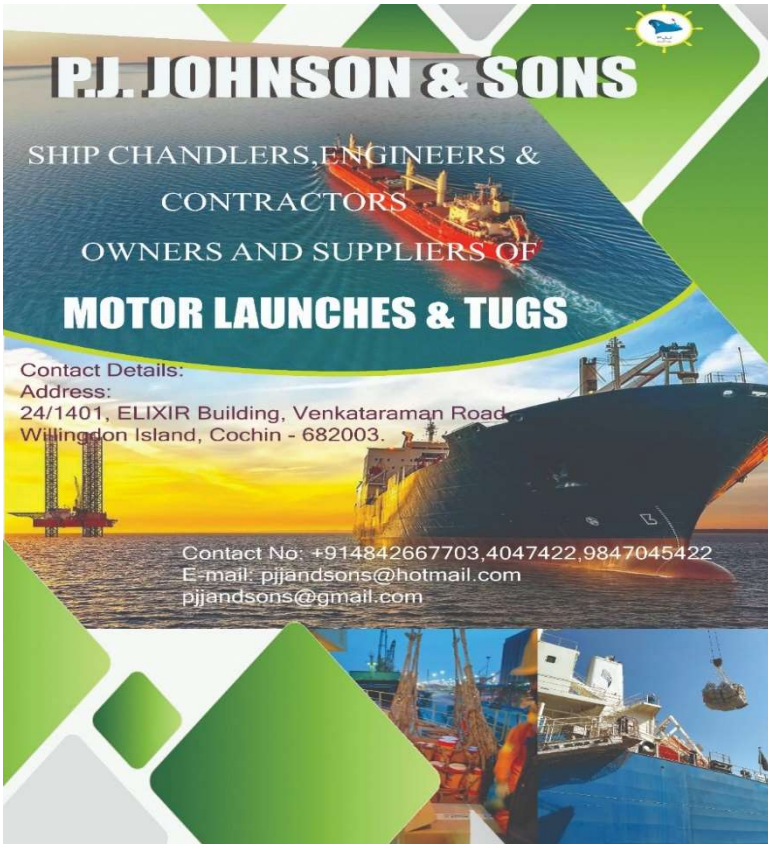
Those, loved me, left long ago. Going to join them, sooner or later, somewhere, I'm clueless about, the only inevitable truth, though. But one thing, causes inner turmoil, makes my heart restless,

“YOUNGER LOT, HAVE GROWN UP,
WATCHING ME AS AN OLD MAN, DO THEY
REALLY THINK WAS BORN OLD TOO?

THOUGH, I WOULD DIE OLD. “AT TIMES,
I DO PONDER, DO THEY EVEN AWARE,

“I TOO WAS A CHILD

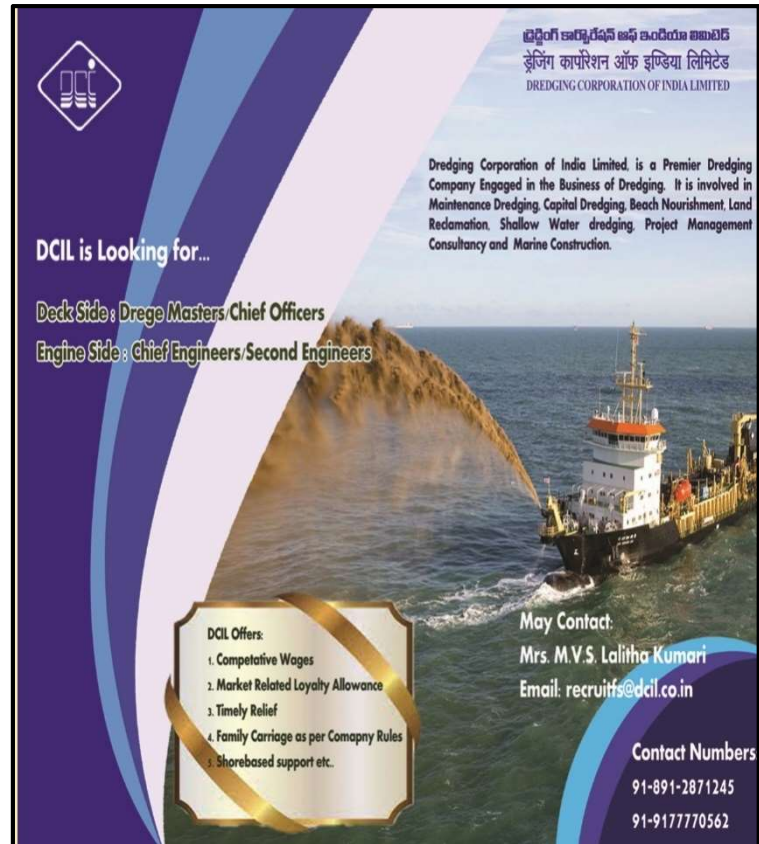
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ദുരൂന്നി കാർപ്പറേഷൻ ഇൻഡിയ ലിമിറ്റേഡ്
ड्रेजिंग कार्पोरेशन ऑफ इण्डिया लिमिटेड
DREDGING CORPORATION OF INDIA LIMITED

Dredging Corporation of India Limited is a Premier Dredging Company Engaged in the Business of Dredging. It is involved in Maintenance Dredging, Capital Dredging, Beach Nourishment, Land Reclamation, Shallow Water dredging, Project Management Consultancy and Marine Construction.

DCIL is Looking for...
Deck Side: Dredge Masters/Chief Officers
Engine Side: Chief Engineers/Second Engineers


DCIL Offers:
1. Competitive Wages
2. Market Related Loyalty Allowance
3. Timely Relief
4. Family Carriage as per Company Rules
5. Shorebased support etc.

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PREMISES AVAILABLE

Dredging Corporation of India Ltd. invites sealed quotation for our premises at HB Colony, Seethammadhara, Visakhapatnam – 530022 on lease/rental basis for Commercial / Office use <http://dredge-india.nic.in>



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