



DARPAN THE MIRROR OF DCI

Issue 11 | April 2022



75
आज़ादी का
अमृत महोत्सव

Celebration of "Azadi Ka Amrit Mahotsav (AKAM)
Week in DCI" (30th April 2022 to 06th May 2022)



<http://dredge-india.com>

Prof Dr G.Y.V Victor MD & CEO, DCIL greeted Honourable Vice President of India Shri M Venkaiah Naidu. Dr Victor interacted with Honourable Vice President of India Shri M Venkaiah Naidu & presented 10th Annual Edition of DCI Magazine Darpan, The Mirror of DCI.



DCI joined Ministry of Ports, Shipping & Waterways, Government of India in celebrating Iconic week under Azadi Ka Amrit Mahotsav (AKAM) from 30th April 2022 to 6th May 2022 under the theme of "Maritime Heights"



DCI celebrated 131st Jayanathi of Dr B.R Ambedkar. Shri J.Prasanna Kumar, Chairman A.P Township was invited as Chief Guest & Dr P Mythili, Supt, King George Hospital was invited as Guest of Honour.



Prof Dr G.Y.V Victor, MD & CEO, DCIL greeted at the prestigious Hans India Business Conclave by Chairman of Kapil Group K Vaman Rao, MD of Hyderabad Media House Shri K Hanumantha Rao & Chief Editor of Hans India Shri V Ramu Sarma



Ship Building Agreement was signed between Royal IHC & Cochin Shipyard Limited for Building Dredger for DCI.



Tripartite Agreement was signed between DCI CSL & Royal IHC for Building Dredger for DCI.



Shri Amalnath P, 4EO



BIOFOULING:

The accumulation of microorganisms, plants, algae, or animals on wetted surfaces of ship is termed as Biological fouling or Bio fouling. When a new surface – be it a ship's hull, a jetty, or a mariculture raft - is placed in the marine environment, it is generally very rapidly colonized by a variety of marine species. The colonization process usually takes place as a succession, with biofilms the first to establish, followed by the gradual development of macro-fouling species, such as: • Biofilms (bacteria, cyanobacteria and diatoms), • Filamentous green algae (Enteromorpha Species), • Turfing red and brown algae, • Sessile animals, • Mobile benthic and epibenthic animals, • Commensals, parasites and pathogens.

EFFECTS OF MARINE FOULING ON SHIP OPERATIONS



Marine fouling has an immediate and potentially severe effect on ship performance. Any roughness on a ship hull that disrupts the laminar flow along the hull will produce drag. When a ship hull has been recently serviced, undergone complete sandblasting and painting, the hull will be as smooth as possible. Entering service, the hull will gradually roughen with time as a function of paint erosion and damage, fouling accumulation and corrosion. This roughness will increase the hull resistance and the primary effect of increased resistance is that more water is dragged forward along with the ship, and this will of course increase the ship resistance. The increased forward velocity of the water in the ship's boundary layer will also cause the inflow velocity to the propeller to be reduced. This has several effects. On one hand the efficiency of

IN WATER CLEANING OF SHIP HULL

the propeller will decrease, on the other hand some of the power lost in the boundary layer will be re-gained. **The ultimate result is increased power requirement which directly increases the fuel consumption.** Dry-docking Periods And Hull Maintenance Schedule, Physical Factors mainly temperature and salinity are the primary physical factors considered important in regulating hull fouling communities., Harbor Residence time Since bio-adhesion and fouling accumulation are not thought to occur readily while vessels are en route from port to port, the residence times at dock or in port regions will determine fouling accumulation, Voyage Routes or Geographic Location

IN-WATER CLEANING TECHNOLOGIES

In-water cleaning seldom cleans the entire hull, especially niche areas and the dislodged material is, in most cases, just allowed to settle into the seabed. The majority of hull cleaning machines make use of rotating brushes and this technology has been used for several decades. The technology is divided into three levels; • Hand-held single brush devices, • Diver-operated multi brush carts, and • ROV or robotic hull cleaners controlled from above water. There are several kinds of brushes available, including soft plastic bristle brushes, stiffer polymer bristle brushes, composite brushes with both plastic and metal bristles, and all metal bristle brushes for propeller cleaning and polishing. Armada manufactures the largest line of underwater cleaning brushes. There are around 13 different brush materials for cleaning any type underwater surface

CURRENT RESEARCH AND DEVELOPMENT IN CONTAINED UNDERWATER HULL CLEANING

Due to this scrutiny, a number of underwater cleaning technologies have been developed to retain the abraded paint, rust, and bio fouling organisms. At present, several of these systems are becoming commercially available. . Some of these systems are: 1) The U.S. Navy Advanced Hull Cleaning System (AHCS), 2) Seaward Marine Services Modified Scamp, 3) Hull Cleaning Remotely Operated Vehicle (ROV).

Mrs P Chandra Kalabhinetri, Joint Manager (CS)



SPIRIT



It was the 5th of January 2020 - a fine Sunday morning, and I recall observing the morning Sun, brilliant with all its luster, over the horizon. Nothing unusual, but eventually during the day it became evident that some part of our dear earth was already witnessing blazing forest fires, rendering a vast expanse of forests to mere cinder and smoke. Australia was only the beginning.

There has been a sign, a sign that something large is looming and such ominous occurrences often herald the dawn of an impending catastrophe. Come March 2020, we were getting the early signs of the outburst of the CORONA VIRUS DISEASE (COVID) which started garnering importance day after day.

What started as a ripple in the tranquil sea of life, eventually turned into an intractable wave that took the world by storm. Up until

Then, everyone had their own paths in life, their own fights converging and all those voices joining in unison with one mantra "Fight COVID". to carryout and their own stories to tell, but everything changed in front of our eyes, we saw all those paths of life

Every day each one of us was waking up to a disturbing statistic and world order remained a distant dream. At some point of time during the turmoil, it seemed that the whole world was crumbling under an immense pressure and there were impressions of humanity being on the road to extinction. Lives were lost, hopes were quenched and ideologies were put to the test.

As might and velour are the traits required in any war to conquer an enemy, this one war also required a trait called Discipline. A discipline to adapt, a discipline to restrict our addictions, a discipline to resist predictions, a discipline to stay physically divided by distance but mentally united and a discipline to abide by the rules and regulations. In short, we had to wield discipline in all its forms and norms.

It is a given fact that the greatest problems often bring out our best selves into the fray, it however also became evident that the greatest fear invoking scenarios will have the power to unveil our most courageous self. When we showed discipline we were exhibiting courage itself.

Today, those we remain mourn and respect the martyrs of war. We rekindle the lost hope and bring back the glory of humanity. Those we survived just did not survive a war on the world but have preserved humanity itself.

Come what may, there is the undying human spirit which wakes up with the Sun every day and shines back at it in all its resplendence.

Miss Salma Sheikh, Senior Assistant



HOW TO DEAL WITH DEPRESSION STRESS AND ANXIETY ON YOU OWN

Depression stress and Anxiety are such words which most people hide from other suffer on their own and feel ashamed to tell others with what they are going through. People think that if they share the issue people will think them weak or in other words they may think they are mentally and psychologically not fit. But that is not true we should not be ashamed of this because this can be happened to anyone on any reason. It is not a diseases. We make them as diseases. By feeling ashamed by feeling awkward. First try to understand what is meaning of the above words:



DEPRESSION: It is health disorder where we lose interest in activities we will be in a depressed mood

STRESS: It is a feeling of emotion or physical tension. It is nothing but a body's reaction to a challenge which body thinks as a challenge

ANXIETY: Intensive, excessive and persistent worry and fear about everyday situations.

In these situations what we have to do. Most people feel that giving suggestion or telling consoling words will not be enough it may be for temporary purpose and may think

That telling is easy but people who face they know the real pain.

MY REAL LIFE EXPERIENCE DEALING WITH DEPRESSION STRESS & ANXIETY

An incident that has happened in my life 4 years back which was unexpected & had changed my life completely. My father suddenly passed away due to major heart attack without any symptoms. In every one's life parents play a very important role, but for me my father was everything & I was completely dependent on him. I was not aware of any thing. Even though, I was matured and intelligent enough & was doing job still no maturity. When he passed away on that day I was not even knowing how to console all, how to manage the next minute that is going to come in my life. I am the eldest daughter in my family and I have to console my mother and brother. After completing all rituals formalities of my father now I need to face the real world that seems to be dangerous. My father who used to manage the finances day to day activities. In the beginning the situation to face the outside world was scary, but with every passing time we started to cope with the real world.

WHEN RETURNED TO MY WORK PLACE MY REAL JOURNEY WITH FULL OF CHALLENGES STARTED WHERE

I used to work continuously with no interest & started to commit mistakes. After some time, I used to feel that

really the mistake was done by me is it real? By seating at home office I used to feel alone. As if loneliness has become part of my life. How to handle the family how handle office work pressure no time sense no activity sense. I used to cry when I used to be alone. The girl who used to be very happy in every moment of life started crying for everything. I used to go in sad mood and used to feel depressed and alone.

This all situation lead to stress more and more depression and anxiety for me. I used to go to my room sit alone and start crying for no reason. Actually reason was there It was my weakness to face the challenges in my life I used to feel at every point why me why only me? People used to tell Ur strong u can handle this that but it was really temporary console. Even after passing of 2 years situation has not changed Then suddenly one fine day when I was sitting alone and thinking about what all happened in the last 2 years in my life & how I managed the situation I started feeling to get the confidence . I started telling myself yes **God has given you the problem because he trusts you can handle it you can improve yourself. If God has trust on you why you yourself is not having trust on yourself. God has given me problems he has well prepared solutions for it.** Slowly I started being happy not feeling ashamed tell my problems to others. I came out with some solutions which I think it will be helpful to you too. Problems are part of life. But I think "Problems are life" which gives our life a turn a change to our thinking gives maturity moreover trust on God and ourselves.

Whenever I used to feel something wrong I have done the **best thing you can do rather telling to all go to a room please speak to your own to your heart with a loud voice. I am taking on my own why I have committed mistake where I have done the wrong because no one knows you better than yourself. Speak to yourself correct yourself what you can do know your capability and I always keep in your mind I can do anything because God has made all equal with equal powers and equal strength.** Trust on god Trust on yourself. Because "GOD HELPS WHO HELP THEMSELVES"

Mistakes are part of life. You should be strong you should not be depressed. You are strong. You should feel mistake you have done you have learned from the mistakes on you own. "You can do it" In addition to this I used to cardio workout, yoga etc. But this are all secondary things first primary thing is to handle self on our own don't be a dependent don't make yourself a dependent don't feel that you are not enough to handle the situation. I know level of pain are different timing of pains are different but problems are life is not a part of life. Some go to doctors some psychiatrists for above problems but doctors can solve your problem when you yourself wants to come out of that situation it's on yourself and your will power. May be the above techniques handling pain may be may not be sufficient for some people to whom pain and problems became like a daily activity but the above techniques can be useful at least to handle self and to grow strong and to think that you are not wrong. Today I am much better than before & have grown on my own now I don't feel its wrong to laugh its wrong to smile because my smile is temporary. When I used to come out put a step out I used to feel no I should not go out I will commit mistakes now I am feeling its good go out and commit mistakes from which I learn a lot. Have confidence on our own always. Always remember one thing "A coin has two sides"

THOUGHTS IN MIND WHEN I USED TO FEEL DEPRESSED STRESSED AND ANXIETY

"YOU ARE POWERFULL"

"YOU CAN DO IT"

"GOD HAS TRUST ON YOU MORE THAN OTHERS"

"ALWAYS THERE IS A BRIGHT LIGHT IN DARKNESS YOU JUST NEED TO FIND"


Hope so my article made you somewhat positive and help you in some or other in way in your life.

Advertisement


Presenting the **ULTIMA** Salary Accounts

Exclusively curated for the Dredging Corporation of India Limited

- Zero Balance Salary & Pension Account
- Rs.20 Lacs Personal Accidental Insurance & Total Permanent Disability Cover
- Child Education Benefit of Rs.4 Lacs for Boy Child & Additional
- Benefit of Rs 4 Lacs in case of a Girl Child Education
- Top-Up Health Insurance Cover for entire family at Rs.1, 999 exclusively designed for Axis Bank Customers




Please reach out to Axis Bank Relationship Manager to know more about DCI Code to open Salary Account



AXIS BANK

T&C apply.



ड्रेडजिंग कॉर्पोरेशन ऑफ इंडिया 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.

May Contact:
Mrs. M.V.S. Lalitha Kumari
Email: recruits@dcil.co.in

Contact Numbers
91-891-2871245
91-9177770562




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>



Disclaimer: The views and opinions expressed in this article that have been included in this issue are those of the authors and do not necessarily reflect the official policy or position of the Company. The Company assumes no liability or responsibility for the same.



Designed by: Mrs U Revathi&Mrs S VenuMadhuri



For all communication with regard to media please contact:-

Mr M R Natarajan
Media and Communications Officer
pro@dcil.co.in; +91 9985183120



Published by :Media and Communication Division, DCI

డ్రెజింగ్ కార్పొరేషన్ ఆఫ్ ఇండియా లిమిటెడ్
ड्रेजिंग कार्पोरेशन ऑफ इण्डिया लिमिटेड
DREDGING CORPORATION OF INDIA LIMITED



Head Office:

**Dredge House
HB Colony Main Road, Seethammadhara
Visakhapatnam - 530022, Ph : 0891-2523250**

Regd Office:

**Core - 2, 1st Floor, Scope Minar,
Plot No. 2A & 2B, Laxminagar District Centre,
Delhi - 110092, Ph : 011-22448528**