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ड्रेजिंग कार्पोरेशन ऑफ इण्डिया लिमिटेड
DREDGING CORPORATION OF INDIA LIMITED

DARPAN
THE MIRROR OF DCI

ISSUE 2 / JULY 2021



[www. http://dredge-india.com/](http://dredge-india.com/)



*Shri Sarbananda Sonowal
Honourable Union Cabinet Minister
Ministry of Ports, Shipping and
Waterways & Ministry of Ayush
being greeted by MD & CEO Prof Dr
G Y V Victor*

Welcome

*Shri Shantanu Thakur Honourable
Minister of State Minister of Ports,
Shipping & Waterways being greeted
by MD & CEO Prof Dr G Y V Victor*



*Prof Dr G Y V Victor, MD & CEO and Capt
S Divakar, CGM greeting Shri Kayala
Venkata Reddy on his appointment as
Chairman, AP Maritime Board.*



DCI - Board Room Inauguration – A wealth from waste initiative



DCI Darpan – A front view Mirror of DCI
Capt.P.M.Sarvanan, General Manager

Any activity to be converted into a habit, needs to be advertised and promoted through many avenues of which an in-house magazine is one. Many companies around the world, do have their own in-house magazines.

In November 2011, Capt.D.K.Mohanty, immediately after taking over as CMD mooted the idea of having an in-house magazine. While researching on the in-house magazine, it was observed that there was one such in-house magazine during 1980s, when Capt.Abraham Kuruvilla was the CMD. It was called "DCI News". But, no one knew as to why it was not continued.

After reviewing, it was thought that it would be better to come up with an "all new" magazine. While this was blossoming, there were two pertinent questions 1. How to name it? and 2. When to release it?

We wanted to tackle the name part first. As the magazine was of an Indian Corporate, DCI, it was felt that the name should reflect DCI as well as India. And, we felt that it would be apt, if we let the employees of DCI, both the Onshore and Offshore, name the magazine. Accordingly, a competition was conducted among the employees to come up with an appropriate name for the magazine.

1000s of suggestions were received and it was really an amazing experience to short list the names. Once it was internally short listed, Commodore P. Jayapal, the then Director (Operations and Technical) selected 10 best names. Next short listing was done by Shri. P.V.Ramanamurthy, the then Director (Finance) who came up with 3 names. The final selection was done by Capt.D.K.Mohanty, the then CMD who selected the name of "DCI Darpan", an apt name that would reflect the ethos of DCI forever. Capt.Satyendra Prasad, Master onboard DCI Dredgers and Mr. Durga Prasad Mallia, the then AM (HR) had suggested the name and were suitably rewarded.

Now, the second issue was when to release the magazine. It was really a great moment for DCI that we were reviving and coming up an "all new" in-house magazine after almost quarter of a century and we wanted to release it in a grand function. Till then, in DCI, there was no culture of celebrating the formation day which is a very regular affair in many of the corporates. It was decided that it will be celebrated as "DCI Day" and the "all new" in-house magazine "DCI Darpan" will be released on that day by the Board of Directors and former CMDs of DCI.

Accordingly, the first edition of "DARPAN" was released on 29th March 2012 in the presence of all the present and past Board of Directors in a grand function. All the present and past employees of the corporation attended the function with their family. Longest Serving Employees from the Shore Establishment and Floating Establishment were felicitated. And, a celebration which was started with no bench mark has set a bench mark which remains to broken even till this day. However, after few editions, there was break in the publication of the magazine.

Now, Prof.Dr.G.Y.V.Victor after taking over as MD & CEO revived the tradition and the new improved edition was released on 14/07/2021 through e-mode as "Darpan – Mirror of DCI". The most important feature of the recent edition of E-Darpan was that it has been prepared entirely with in-house expertise, without availing any external support. The entire designing, layouting, etc have been done with internal resources. It will now onwards be released as a monthly magazine and will be the main mouth piece of DCI.

Even the Whatsapp Group of the Company where all the employees are members is also given the same name, but, in English, DCI Mirror. The only difference is the tagline that "A mirror which does not reflect, but, shows DCI as it is". It is really a nostalgic experience to go through the evolution of DCI Darpan as it started from nowhere and now present everywhere and occupying the hearts of every DCI clan. It shall continue to do so forever.

Sand Trap Dredging and Beach Nourishment at Visakhapatnam.
Capt.V.Patro, Master

The dredging being carried out at Visakhapatnam Port's Sand Trap is very critical in nature and DCI has developed the same into one of its forte and niche. There is no other player who ever tried to get into this area and DCI has transformed itself into the only specialist in this type of dredging in India.

Sand trap dredging involves stationary suction dredging by Trailing Suction Hopper Dredger using stationary drag heads. The vessel is positioned in sand trap near the DOLPHIN NOSE & is anchored forward while aft is secured with strong mooring rope to a point ashore. Once desired hopper load is achieved, the vessel proceeds to shore pumping area, anchors forward, aft and the material is pumped through the floating pipe line on the designated area on beach front for its nourishment.

In October 1990, DCI DREDGE-XII after its maiden voyage from IHC HOLLAND commenced sand trap dredging in VPT and carried out shore pumping through floating pipe (DCI) and shore pipeline of VPT after positioning off OR2 with forward and aft anchors. I, then, happened to be posted onboard for first time as Dredge Master. All three dredge masters were given training for shore pumping by Guarantee Dredge Master. It was to my fortune that I could pick up very early. This helped me to manage one full watch and in other times Guarantee Dredge Master used to carryout shore pumping. As other senior dredge masters could not pick up the shore pumping technique, vessel used to operate from 0600hrs to 2400Hrs. During the watch of one of the other dredge masters, a mistake of closing all valves after stoppage of suction and booster dredge pumps after completion of shore pumping resulted in the breaking of the bolts and bending of the inspection door of the suction pump due to back flow of water. Besides keeping suction valve of suction dredge pump open, overboard valves should have been opened to allow the back flow of water after stoppage of pumps at the completion of shore pumping to prevent such incident.

After the deterioration of the condition of the shore pipe line of VPT and construction of the container berths in the outer channel of VPT, Rainbowing of the dredged material on to the beach front through Nozzle located in the forward of the vessel commenced by DCI. Due to the presence of the shallow stony areas in beach front approaches, proved later by bathymetry, DCI Dredge XVI sustained bottom hull damage and had to go for emergency dry docking. After bathymetry analysis of beach front, proper designated area was identified for rainbowing of the dredged material on it. During one of my rainbowing project of DCI DREDGE-XX, one stone was found blocking the nozzle orifice causing the reduced throw of the rainbow discharge and increase of the discharge pressure. It was planned to take the vessel alongside for the disconnection of the nozzle and then removal of the stone. However, I thought, making a circular opening on the top of the discharge pipe close to the nozzle for the removal of the stone seemed to most apt and less time-consuming action. So, the circular opening was made and rewelded (single welding) with back strip plate after edge preparation as the flow during the shore pumping is heterogeneous flow with maximum concentration of the material at the bottom off the pipe. This method resulted in saving two days of the non-dredging of dredger.

Finally, DCI devised and adopted the most durable method of shore pumping through floating pipeline to enable the dredged material deposition on the beachfront at the designated area. The importance of the greasing pins and locking arms of the bow coupling as per PMS is stressed again, as some delays occurred due to the same. Further locking arms and sliding surfaces of bow coupling are made mild steel and tend to get rusted and their condition further deteriorates, if the vessel is engaged in the rainbowing. It better to cover the affected area of the bow coupling after proper maintenance with Canvas. These findings are based on my experience so far and the learning continues.

This too shall pass**Sri.Sriman N Sambit, JM(HR) /Vigilance**

Apparently, the end is near, yet too far,
no clue, we are heading where.
Mortal remains, found here and there,
from Kashmir to Kanyakumari, and
from river the Ganges to Godavari.

The air suddenly turns gloomy,
Populace, seems forget to grin.
How can one forget, the wrenching hearts?
The sorrow of the bereaved mother,
or the distress of a man,
mourning the death of his wife,
and baby inside the womb.

The yelp for oxygen, the shriek for remdesivir,
the mother earth, has suddenly become sick,
when, other planets too praying for earth,
many prayers have surely gone unnoticed.

Some messiahs, though trying their best,
Yet a few leaders can't resist the dirty politics.
The walls of hospitals become the prayer hall,
Receive more prayers than the temple.

"Doomed and cursed", someone whispers,
The soul hears but remains unperturbed.
We will fight, we will win,
With our efforts, the future will be green.
The ambience of despair, is transitory,
Let's be firm and strong to achieve victory.

डीसीआई का कप्तान**कप्तान सत्येंद्र प्रसाद. मास्टर. डीसीआ**

पत्थरों को झेलनेवालों को
तूफान कहते हैं
और उन तूफानों को झेलनेवालों को
डीसीआई के कप्तान कहते हैं।

भगवान ने जो बनाई है
इस कप्तान की तस्वीर
लगती है बड़ी नाजुक
पर है बड़ी गंभीर।

काटा पहाड़ों को
मिटा दिया रेगिस्तानों को
खोद दिया हुगली और सागर तल को
जला दिया बियावानों को।

इसके आगे टिक न सका
हुगली का धरातल
इसके आगे टिक न सका
समंदर का तलातल

इसके आगे टिक सकेगा
परेशानियों का जंजाल और कल का भगवान
क्योंकि शक्तिशाली, सक्षम इतना हो गया है
डीसीआई का कप्तान।

क्योंकि शक्तिशाली, सक्षम इतना हो गया है
डीसीआई का कप्तान।
इसके आगे टिक सकेगा

COVID से जीतेंगे हम**Capt K.M Choudhary, GM (Ops & Mktg.)**

हो अगर बारिश भयंकर, संग तूफानी पवन।
ना बचा पाता है छाता, भीग ही जाता बदन।।

हाल ऐसा ही हुआ कुछ, इस कोरोना की लहर का।
पूर्व अनुमानित न कर, पाया कोई इसके कहर का।।

फेफड़ों को जाम करके, साँसें सबकी तोड़ दी।
मौत का तांडव हुआ, और ढेर लाशों की लगी।।

बह रहीं लाशें जो नदियों में, है कहती चीख कर।
मौत की संख्या गलत है, बोल इसको ठीक कर।।

देखा मरीजों को भटकते, परिजन सभी बेहाल थे।
विस्तर न मिलते थे कहीं, खाली न अस्पताल थे।।

पर है ये दुनिया टिकी, कुछ लोगों के सत्कर्म से।
डिग न सकते ये कभी, मानव-सेवा के धर्म से।।

पर न डरना है हमें, सब देशवासी साथ लड़कर।
बुद्धि से जीतेंगे हम, दुश्मन को अपने मात देकर।।

इस अमावस-रात का भी, अंत होकर ही रहेगा।
सूरज निकलकर निज प्रभा से, कालिमा निश्चित हरेगा।

THE COVID MARTYR**Sri.A.K.Dasgupta,JGM(HR)-Legal**

At work you bettered than the class of the best.

At home you played fulcrum to the rest.

To heaven you must have been Dearest.

That Lord summoned you in such a haste.

Whisking Lifeaway from your breath.

Into eternity through the gateway of Death.

With no potion, elixir nor hands most skilled.

That your loss to us can ever be filled.

For while the soul departs and the heart bereaves.

Life dies and Death lives.

But now you're there and that's for sure.

Forever in the land where care's beyond cure.

The chosen throne is for the brave, the fighter.

In death whose life has shone even brighter.

Valour in your fight equalled bravest of men

Alas you fell down with dipping Oxygen.

No less to men on the frontier dead.

Were you laying still on the hospital bed.

For if the rank fell fighting the foe

You battled with an enemy world is yet fully to know.

(Respectfully dedicated in loving memory of my parents and
all COVID martyrs from Team DCI and their families)

Dry Dock Preparation

Capt. Nagendra Rao



From the experience in DCI, one will understand that the time spent by DCI dredgers is not anywhere close to the international standards. From the experience of the author, the following are suggested as a means for reducing the time spent by DCI dredgers at the yard.

All jobs which do not require docking or the expertise of a reputed yard and which can be attended by the ship repairing workshops registered with the company can be planned and completed while the dredger is still in operations.

The workshop can even be made to stay onboard a longer period and complete all such jobs while the vessel is operating. Renewal of guard rails, ladder steps, air vents, hydraulic pipes, filling and sounding pipes, carpentry jobs, plumbing jobs etc do not require to be carried out in the yard and can be completed satisfactorily and economically while the dredger is still in operations. Jobs such as servicing of Suction Tube Position Indicator (STPI), Gyros, Simple Voyage Data Recorder (SVDR), Life boats / rafts, Main Engine Governor Tuning, etc which requires the attendance and supervision of the Original Equipment Manufacturer (OEM) should be taken up directly by DCI. These jobs do not require the intervention of the Yard and if taken up by DCI directly, will save time, money and efforts for the company.

Most of the work that are taken up in the yard are on the renewal of on deck and under water pipelines such as suction and discharge pipelines, Main Seawater pipelines, etc. If action is taken well in advance to get these pipelines prefabricated by registered workshops and place them onboard the dredger prior to their departure for the designated yard for drydock, it will reduce lot of time spent on fabrication and also on cost.

Procurement action in favour of all under water and dry-dock spares to be completed well in advance and the spares connected to the vessel prior the dredger departs for the dry-dock or on arrival at the yard. This will save the vessel unnecessarily idling at the yard for want of required spares to complete the repairs.

Ultrasonic Thickness Gauging decides the amount of steel renewal. Though the thickness measurements are carried out by firms approved by Classification Societies, the same do not match with the verifications carried out in the presence of the Classification Society Surveyors. At times, there are chances that the measurements can be influenced for vested interests. Hence, it is suggested that DCI may set up its own team towards thickness measurement and the job be carried out DCI's internal team only. The heavy items and scrap generated during the drydock must be removed from the dredger prior to her departure from the yard upon completion of the docking repairs. These heavy items and scrap items apart from becoming a safety hazard and spoiling the aesthetics, also lead to loss of earnable tonnage.

The Article on Financial Freedom!

Sri M R Natarajan, Media and Communication Officer



Many people have different definition for the term Financial Freedom. Some will say they need couple of houses which will eventually define their Financial Freedom and others will say one should have couple of houses, Cars which will take me to the path of Financial Freedom. This understanding needs a thorough review particularly under the present uncertain situation COVID Pandemic.

It is needless to say that most of the young people in today's generation hardly plan their future Financial Freedom. When asked, they say that they have a lot time left to think about this and as the time passes by the responsibility on them increases and hardly they are able to plan their financial goals.

I define Financial Planning is a planning that gives you the freedom wherein you don't have to worry about your day to day expenses. How to get there and how to get financial freedom is a different ball game altogether and it depends upon the individual planning how he or she plans to achieve it.

It is wise for all the people to be "fearful when others are greedy, and greedy when others are fearful.

I always say when there is a fear in the environment then there is an opportunity and when there is an appetite of greed among the people then one should be extra careful.

This current market environment is full of fear and smart people should use this moment as an opportunity and select their asset class and start investing. I can also justify my point of fear among people that gives an opportunity by quoting an example. The people who remain invested into equities in form of SIP during the last quarter end of the financial year 2020-21 wherein Equity Markets were bleeding are now sitting on hefty profits.

It is very clear that the entire world is passing through difficult times. At this juncture it is very important for individuals to continue to be focused on the target of achieving the goal of Financial Freedom. It will not happen overnight and we need to start today to achieve this target say 10 or 15 years down the line. It is a very good time for those people who have not yet started or ventured into any type of future investment in different asset classes.

This current market scenario gives a golden opportunity for all of us to venture into investment in different asset classes. People who have not started investing for them it give a huge opportunity to start investing. Further people who have already invested into some asset class for those people this current market environment gives opportunity to diversity their portfolio.

There may be different asset class wherein people would like to invest their money like some people prefer to put money into land real estate some people like to invest into Gold sovereign bonds, Some people prefer to invest into Equities and so on.

Let us start investing into whatever asset classes you like ideally try to diversity your portfolio equally into all asset class so that you will get multiple exposures but start investing and do not miss this bus of Fear which gives you an opportunity to invest and earn profit keeping your long term goal of Financial Freedom.



A Covfefe Story – Thousands of Suns and One Earth

- **Master Sathi Vaigarai, S/o Capt P M Saravanan**



All the life under the Sun from the smallest of bacterium cells to the largest of the whales, have one common thing among them and that is they all get killed by us, the human beings. As the most advanced species, we carry the responsibility of protecting not only us, but all the forms of life. When we say all life, that does not mean plants, animals, birds etc only, but, the Earth also, which is the ultimate form of life on which we are dependant for our everyday lives and for everything we do.

For thousands of years, the earth has been supplying us and the other living beings with all our requirements and has been keeping us content. But, since the last century, the exploitation of the planet has vastly increased and has lead to various environmental problems that might not be as easy to solve as it may seem.

A major problem that has arisen due to such un-environment friendly acts of ours is "Global Warming" and solving it might not be easy with one of the most powerful country of the world and its president with an incredible IQ, moving out of the "Paris Agreement", an agreement which was entered to better the conditions of the Climate Change across the globe. All, we need to understand is that the Climate Change is real and not a Covfefe Story created by the Chinese to increase the products with "Made in China" tag.

Preventive methods are not easy to accomplish. If each and every one of us gets a sense of responsibility that makes us realize that this planet does not only belong to us, the human beings, but also to millions of other life forms. We need to protect our environment that us given us many things.

We need to realize that the earth is not only the ultimate creator and but also the ultimate destroyer that it can wipe out a large country or even a continent with some great calamity or a pandemic. So, we should stop trying to compete with the Earth in destruction. If we protect the earth, it will protect us.

Change is the only thing that does not change. It might seem like a humongous task to get back to normal from here. But, it is possible. And, not only charity, but change also begins at home. Mahatma Gandhi said to be the change we want to see in the world. If each one of us starts to take charge and not wait for someone else to step up, and be the change, we want to see in others, and then there will definitely be a better world that we can present to the future generations of ours.

If people were told that trees were Wi-Fi hotspots, they would be going crazy about planting trees. But, it's very unfortunate that the trees give us oxygen only. We fail to realize that what we do for our selfish needs will affect us in the future and when we realize our mistake, it will be too late to rectify.

If we take a moment just to rethink about what is happening around us and ask ourselves if this is the world that we are preparing to hand over to our future generations?, the answer would be a big "no".

Cutting down trees and building concrete jungles with skyscrapers might seem a fancy now, but, these skyscrapers will not give us oxygen 100 years down the line. We need to realize that we are in the womb of the earth and if we cut the umbilical cord of the life that is nature, which gives us all the essentials of life, we will just be another malnourished child on the earth and no science can help us to get out of that malnourished condition.

Protecting all lives under the sun doesn't only mean to stop felling trees and killing animals, but, also taking measures that would make this planet greener and live in harmony, at least for another 100 years, before the mankind requires another counselling session.

Beauty

- **Ms. Y.S Meenakshi & Ms. Y S Gayatri,D/o Shri Y S R Murthy**



She was the epitome of beauty.
She wandered in the grass in search of beauty.
She was an evolving puzzle in nature.
Reminiscing her love for red!
Enshrined herself at the battlement.
Sublime smile at the edge of her fulsome lips, waiting for the flowers to bloom.
In these delicate shades of light, she was touchwood.
The peal of jingling anklets, the resilience in her bangles. Golden wires in her intrinsic crign hair.
Sparkle in her twilight eyes.
Beauty must be seen in her eyes, that was the doorway to her heart, where her love resides, was empty in this polychromatic portrait.
Cherubic confession of love, her engrossed beauty seeks light.
She was a rainbow trapped in the cloud.
Six yards of sheer elegance that she was garbed around.
She was a diamond in this vivid colours.
She was a gorgeous mess of wondrous energy.
She was an enchantress glistening in the golden sun.
She was a canvas indeed.



Mr S C Panda, Junior Officer (HR) (Legal) being felicitated on his superannuation on 30th July 2021 by Prof.Dr G Y V Victor, MD & CEO and Capt. S Divakar, CGM



Retro

**CUTTER SUCTION DREDGER -
DREDGE II – CALCUTTA**

*Published in
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for 1976-77*



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Row of social media icons: Facebook, Twitter, LinkedIn, YouTube, and DCI logo.

Row of QR codes corresponding to each social media platform.

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