



SHIPPING (REGIONAL)

"A sailing ship is no democracy; you don't caucus a crew as to where you'll go anymore than you inquire when they'd like to shorten sail. - Sterling Hayden

Blue Economy-Wave 49

(Series on "Blue Economy" By Capt. Gajanan Karanjikar)



Capt. Gajanan Karanjikar, Blue Economy Social Activist & Multi Modal Logistics Expert

Fish Breeding and Biotechnology:

Recently severe difficulties are predicted for these supplies due to deteriorating international fishing Conditions and environmental pollution, including coastal contamination and reclamation. Limits have already become



apparent in the ability of current catches to satisfy marine product demand. Adapting to this demand urgently requires maximal productivity Improvements through intensive high technology development, as well as an increase in farming yields. Among the basic conditions for farming production, production of seedlings (fry) is considered most important in terms of establishing the raw materials for production. Production of high-quality seedlings is also viewed as a shortcut to maximizing farming productivity improvements.

Recently, efforts have been under way worldwide to produce superior, high value-added varieties, using genetic engineering techniques to maximize the productivity of unit efforts over a short time frame. Much research effort has been focused on fish, which have the highest economic value among marine products. Additionally, the introduction of foreign genes from various farmed fish varieties has recently been observed in laboratories in various advanced economies, with investigations under way on gene expression and transmission to future generations. This field is thus seen as having great potential for development as it enjoys support from the rapidly advancing fields of molecular biology and genetic engineering.

Seaweed Biotechnology:

Seaweeds are emerging as a future resource with various potential applications for humankind, including food, production of functional substances, and a source for energy and paper-making. Carbohydrates accounts for more than half the composition of green, brown, and red algae, the chief forms of seaweed. Some of the carbohydrates—the polysaccharides

alginic acid, carrageenan, fucoidans, and agar—have already been put to a wide range of uses in products related to food, medicine, and industry.

The paramount concern for factory production of seaweed-based polysaccharides is the acquisition of sources with consistent content and structure and their functional components. Achieving this will require mass production through farming in defined zones. Increasing the cost-effectiveness of bioenergy production from seaweed, for example, will require increasing the content of source seaweed components (such as starch) that can be converted into energy. Farming is a primary industry that has not been the subject of development Investment. Without farming, however, it will be impossible to develop and use high value-added products from seaweed. Hopefully the future will bring the development of new, targeted strains through seaweed breeding development with biotechnology such as cell fusion and genetic manipulation.

(To be continued...)

GE Shipping to raise Rs.150 crore through non-convertible debentures



Credit Analysis and Research and Brickwork Ratings India have assigned "CARE AA+" (Outlook: Stable) rating and "BWR AAA" (Outlook: Stable) rating respectively for the proposal to issue non-convertible debentures

NEW DELHI
Sagar Sandesh News Service

India's largest private sector shipping company and the operator of dry bulk carriers and tankers, Great Eastern Shipping Company's (GE Shipping) share value rose after the company's debenture issue committee approved raising Rs.150 crore through issue of non-convertible debentures (NCDs).

"The debenture issue committee at its meeting held on October 26, 2020, approved the issue of 1500 secured non-convertible debentures of

Rs.10 lakh each aggregating to Rs.150 crore by way of private placement," said the company stock filling.

"CARE AA+" and "BWR AAA" for the proposal to issue non-convertible debentures

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Charge/security, if any, created over the assets - exclusive charge on ship(s) to be mutually agreed between trustee & the company from time to time with 1.20 times cover on the market value of ship(s). The debentures shall be additionally secured by way of mortgage on immovable property.

Tenure: 8 years; Coupon/ interest offered: 8.05 percent per annum; Schedule of payment of coupon/interest: Annually; Schedule of payment of principal: On maturity.

NEWS IN BRIEF

Supreme Court extends its deadline for granting permanent commission to women in Indian Navy till December 31st this year

The Supreme Court has extended till December 31 the deadline for implementation of its judgement on grant of permanent commission (PC) to women SSC officers in the Indian Navy.

The apex court had earlier this year maintained that women and men officers should be treated equally, cleared Permanent Commission for women in the Navy and asked the Centre to complete the modalities within three months.

A bench of Justices D Y Chandrachud, Indu Malhotra and Indira Banerjee said that it is extending time till December 31 for grant of Permanent Commission to Short Service Commission (SSC) women officers in the Indian Navy.

Navy signs a MOU with Coimbatore based MSMEs to absorb technology

The Naval Ship Repair Yard Admiral Superintendent Rear Admiral Deepak Bansal and CDIIC director V Sundaram signed the MoU at a function held in Coimbatore.

The MoU will foster cooperation between the Navy and MSMEs and help the Naval Ship Repair Yard harness the benefits of Atal Innovation Mission, which has been conceived to encourage innovation and technology development by engaging micro, small and medium enterprises (MSMEs), start-ups, research and development institutions and academia, the Navy said in a release.