



Blue Economy-Wave 33 (Aquaculture)



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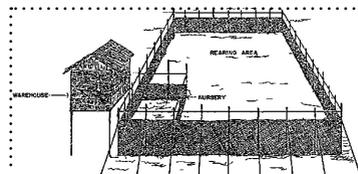


King Someswara's Manasoltara (1127 A.D.). The traditional practice of fish culture in small ponds in eastern India is known to have existed for hundreds of years; significant advances were made in the State of West Bengal in the early nineteenth century with the controlled breeding of carp in bunds (tanks or impoundments where riverine conditions are simulated). Fish culture received notable attention in the state of Tamil Nadu (formerly Madras) as early

(Series on “Blue Economy” By Capt. Gajanan Karanjikar)

Table : Tweaking the Indicators to Suit India

as 1911, and subsequently, states such as Bengal, Punjab, Uttar Pradesh, Baroda, Mysore and Hyderabad initiated fish culture through the establishment of Fisheries Departments and support to fishers and farmers for expansion of the sector.



Aquaculture also known as Aqua-farming, which is farming of fish, crustaceans, molluscs, aquatic plants, algae, and other organisms. Aquaculture involves cultivating freshwater and saltwater populations under controlled conditions

India's aquaculture production basically can be classified into freshwater and brackish water production. There are 429 Fish Farmers Development Agencies (FFDA) and 39 brackish water

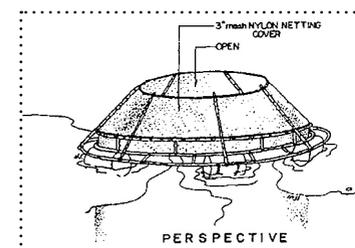
Fish Farmers Development Agencies (BFDAs) for promoting freshwater and coastal aquaculture. Some of the important species cultured in India are the Indian major carps and shrimp. Besides these, ornamental fish culture and seaweed farming, are slowly gaining importance in the aquaculture scenario in the last few years as alternative livelihood supporting sectors as small-scale activities.



Freshwater-Aquaculture:

As stated earlier, carp culture forms the backbone to

freshwater aquaculture practice in India. Carp culture in India was restricted to as homestead backyard pond activity in West Bengal and Orissa until late 1950s, with seed from riverine sources as the only input resulting in low level of production. Importance of fish culture as an economically promising enterprise was gradually implemented in India. By then, non-availability of quality fish seed and lack of scientific culture know-how constrained the growth and further development of carp culture.



(To be continued...)

Two MOL-operated Vessels Selected as 2019 'Best Quality Ship Awards'



Bulk ship HAKUTAKA

requesting pilot operations at pilotage districts throughout Japan during the months of September and October. The two MOL-operated vessels were named as "especially excellent vessels." The awards recognize overall efforts on safe operation, ranging from crewmembers' exemplary performance of their tasks and thorough training related to bridge resource management (BRM), to a high consciousness of the need to maintain safe operation, completely maintaining the onboard chain of command centering on captains, establishing a cooperative

system for pilots who guide the vessels, and proper maintenance of nautical equipment and boarding equipment.

MOL continually strives to contribute to marine safety

As MOL forges ahead to become the world leader in safe operation, it continually strives to contribute to marine safety MOL and conservation of the global environment, as a synergistic, sustainable company that grows in harmony with society.



LNG Carrier AL ZUBARAH

NEW DELHI
Sagar Sandesh News Service

Mitsui O.S.K. Lines, Ltd. (MOL; President & CEO: Junichiro Ikeda) announced 10 June 2020 that the Japan Federation of Pilots' Association (JFPA) has presented its Best Quality Ship Award for fiscal year (FY) 2019 to two MOL-operated vessels: the bulk ship HAKUTAKA and the LNG carrier AL ZUBARAH.

Award presented to "excellent

vessels from the viewpoint of pilots" MOL President and CEO

The award was founded in 2003 to raise awareness of port and ocean environmental protection through safe operation of vessels and is presented to "excellent vessels from the viewpoint of pilots," as selected by the JFPA.

The awards recognize overall efforts on safe operation

For the FY2019 awards, seven vessels were selected from among those