



CIBA NEWS

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CENTRAL INSTITUTE OF BRACKISHWATER AQUACULTURE, CHENNAI.

NEW SHRIMP HATCHERY FACILITY OF CIBA

CONTENTS

New shrimp hatchery
facility of CIBA
Research Highlights

Institute's shrimp feed
for testing

Larval feeds for the
tiger shrimp

Shrimp disease investigations

Video film on Institute's activities

Visitors

Engagements

Meetings

Staff News

Transfer

Relief

Retirement



Shrimp Hatchery Complex at Muttukadu Experimental Station, near Chennai.

The long-felt need of a proper facility for R & D programmes in development of in-door broodstock and seed production technologies for penaeid shrimp was fulfilled by constructing a 10-million capacity hatchery complex at Muttukadu Experimental Station, near Chennai. The Institute took possession of the facility on 2 August 1996, from the Central Public Works Department. The facility includes 2 numbers of 7-ton FRP round shaped tanks, 8 numbers of 5-ton RCC rectangular tanks for maintenance of broodstock and 12 numbers of half-ton FRP round tanks for spawning.

There are 8 numbers of 5-ton rectangular RCC tanks and 2 numbers of 10-ton round RCC tanks for larval rearing and 8 numbers of 20-ton rectangular RCC tanks for postlarval rearing. After testing all the systems, the hatchery was commissioned in the last week of September 1996.

RESEARCH HIGHLIGHTS

Institute's shrimp feed for testing

Shrimp feed developed and produced by the Institute for tiger shrimp, containing 44% protein, 8.3% lipid, 17.6% carbohydrate and 3.3%

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crude fibre was tested in a farmer's pond at Andaman and Nicobar Islands under the collaborative scheme of Andaman and Nicobar Shrimp Farming Development and Research Agency, Port Blair, MPEDA, Kochi and Dept. of Ocean Development (DOD).

Larval feeds for the tiger shrimp

P. monodon larvae reared on a diet of *Spirulina*, micro-encapsulated feed and *Artemia* nauplii have shown a survival of 57% from nauplius to postlarva 2 stage.

Shrimp disease investigations

Disease investigations have shown that the mortality of shrimp larvae in commercial hatcheries in Tamil Nadu, during June-July 1996, was due to heavy infestation with ciliate protozoan parasites.

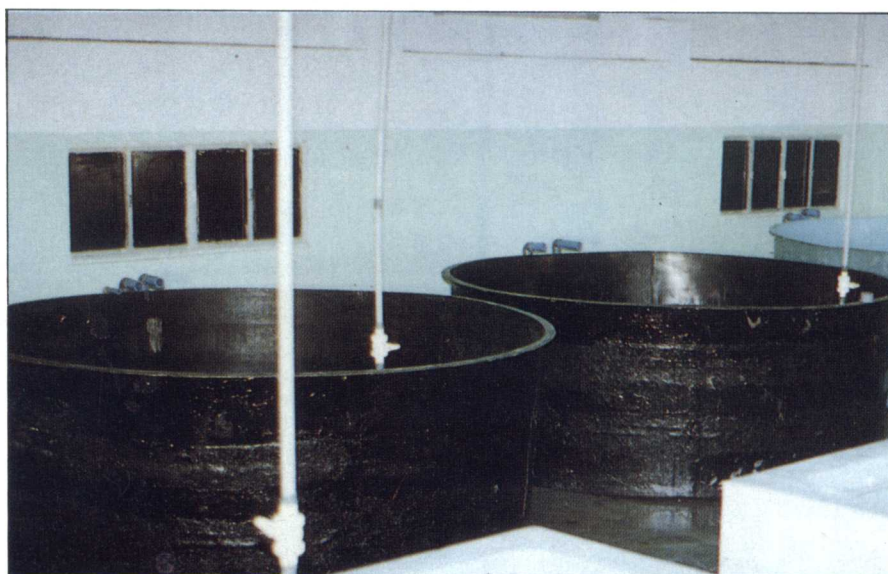
A survey of seawater-based farms in Nellore district, Andhra Pradesh during 5-15 August 1996, revealed the continued prevalence of white spot disease in 40 % of the farms surveyed. Unlike the earlier sudden and mass mortality experienced during 1995, the virulence of the virus (SEMBV) appeared to be low.

VIDEO FILM ON INSTITUTE'S ACTIVITIES

A video coverage on the research and developmental activities of the Institute was filmed during September 1996, as part of an extension programme on dissemination of information.

VISITORS

Two batches, of 25 trainees each, of Tamil Nadu Co-operative State Land Development Bank, sponsored by NABARD, Chennai, visited Muttukadu Field Station, 24 July and 19 September 1996.



Broodstock holding facility for tiger and white shrimp

ENGAGEMENTS

Dr.K. Alagarswami, Director, attended the following meetings/seminars.

- Divisional meeting of ICAR Fisheries Research Institutes at Kochi, 31 July to 5 August 1996.
- Fourth meeting of Executive Committee of Rajiv Gandhi Centre for Aquaculture at MPEDA, Kochi, 8-9 August 1996.
- Seminar on Aquaculture - Prospects and Issues, organised by Confederation of Indian Industry (CII) at Bhubaneswar, 21-23 August 1996.
- The sixteenth meeting of the ICAR Regional Committee No.VIII at the University of Agricultural Sciences, Bangalore, 26-27 June 1996.



Axenic culture facility

- Meeting on Preparation of General Lay-out Plan for Rajiv Gandhi Centre for Aquaculture at Mayiladuthurai, 3-5 September 1996.

Dr.R.D. Prasadam, Principal Scientist, attended the Project Screening Committee Meeting of Scientific Panel for Fisheries at ICAR Headquarters, New Delhi, for the presentation of an Ad-hoc project proposal on "Shrimp health and water/soil quality monitoring for sustainable shrimp farming", 2 July 1996.

Dr.R.D. Prasadam, Principal Scientist and Dr. Mathew Abraham, Senior Scientist, attended the Tamil Nadu State Fisheries Research Council meeting at Chennai, 24 July 1996.

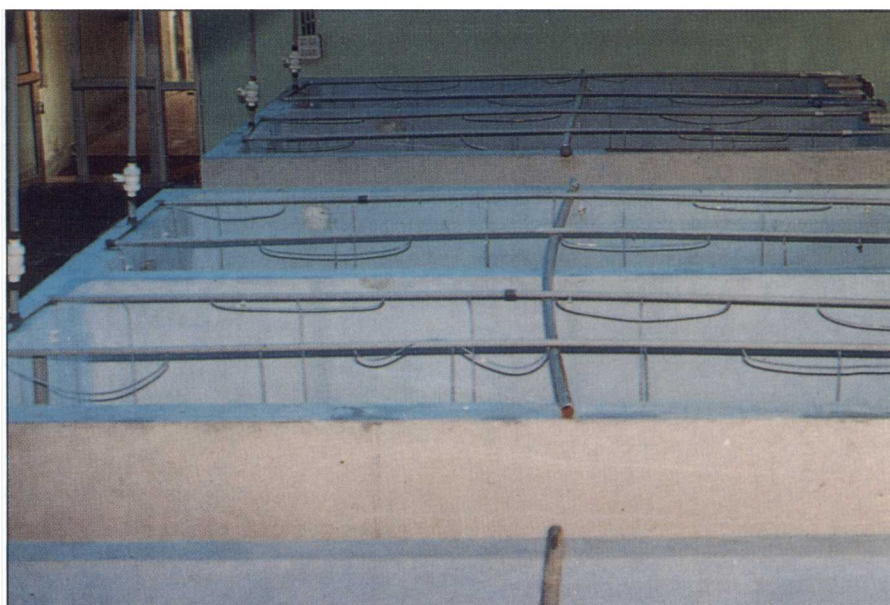
Dr.S.A. Ali, Senior Scientist, attended the Task Force Meeting on Aquaculture and Marine Biotechnology at Dept. of Biotechnology, Govt. of India, New Delhi, 6-7 August 1996.

Dr. P. Kishore Chandra, Scientist, attended the Symposium on "Fish Genetics and Biodiversity Conservation for Sustainable Production" at National Bureau of Fish Genetic Resources, Lucknow, 26-27 September 1996 and presented two papers on cryopreservation of fish milt.

Dr. K. Gopinathan and Shri M. Kathirvel, Senior Scientists, Dr. K.O. Joseph, Scientist (SS) and Shri Marella Ravi, Technical Assistant(T-II-3) visited M/s Balaji Aqua farms at Tuppilipalem, near Gudur, Andhra Pradesh, in connection with the video coverage on brackishwater aquaculture practices, 29-30 September 1996.

MEETINGS

The Twelfth Meeting of the Institute's Management Committee, 3 July 1996.



Larval rearing tanks

The First Meeting of the Grievance Committee of the Institute, 5 July 1996.

Interaction Meeting with BFDA officials of Chengai MGR district, Tamil Nadu, 13 August 1996.

The Fourth Meeting of Institute's Joint Staff Council, 27 September 1996.

Relief

Shri P.S. Sudheesh, Scientist, was awarded with the Fellowship of Govt. of People's Republic of China for Doctoral Research at the Ocean University of Qingdao, Qingdao, Shandong, China and proceeded on study leave for 3 years from 2 September 1996.



Post-larval rearing tanks

STAFF NEWS

Transfer

Shri S. Srinivasagam, Senior Scientist, from Puri to Chennai. Joined at Headquarters, 5 August 1996.

Dr.C.P. Balasubramanian, Scientist, from Chennai to Puri. Joined at Puri, 30 July 1996.

Shri S.V.Alavandi, Scientist (SS), relieved on 3-year study leave, 22 July 1996.

Shri S. Rajeshwar Singh, T-II-3 relieved on resignation, 17 August 1996.

Retirement

Dr. KANAKADANDI VENKATA RAMAKRISHNA, Principal Scientist, retired on superannuation on 30 September 1996. He was born on 3-9-1939 at a village called Bendamurlanka in Andhra Pradesh and educated in Andhra University at Visakhapatnam, where he obtained B.Sc.(Zoology) in 1957, M.Sc. (Fish & Fisheries) in 1965 and Ph.D. (Fisheries) in 1982. After serving as a Special Demonstrator in AMAL College, Anakapalli, Andhra Pradesh, for 9 months, he started his fisheries career as a Research Assistant from



Dr. K. V. Ramakrishna

February 1958 and got posted in Riverine & Lacustrine Division's Unit of Central Inland Fisheries Research Institute at Allahabad and conducted fisheries survey in Krishna and Godavari riverine systems, which helped in the establishment of a Research Centre at Rajamundry.

Later, he served at Pond Culture Unit, Cuttack, for 9 years from May 1958 and carried out research in paddy-cum-fish culture, pond culture, induced breeding of Indian and exotic carps in association with the then Officer-in-charge, Shri K.H. Alikunhi and Dr. Hiralal Choudury. He was deputed to Japan during May-December 1966 to undergo training in trout breeding techniques and culture. After returning to India, he was promoted as Senior Research Assistant and subsequently as Assistant Fishery Scientist at Cold Water Fisheries Research Centre at Harwan, Srinagar, Jammu & Kashmir, during 1967-1971, where the project works included production potential of Dal Lake, breeding and seed production of trout, disease control and production of trout hybrids (tiger trout, rainbow trout X brown trout). On promotion as Junior Fishery Scientist, he joined at Madras Research Centre during April 1972, where along with the then officer-in-charge, Dr.K. Raman and other scientists, was associated in conducting research in fishery survey of Pulicat Lake, rock oyster culture, induced breeding and seed production of mullets and penaeid shrimp and polyculture of fish and shrimp in brackishwater ponds.

He was promoted as Scientist-S2 in 1982, Scientist-S3 in 1984 and Principal Scientist in 1986. After the establishment of CIBA, he was associated with the project work on induced breeding and seed production of brackishwater finfishes during 1987-1992 as Project Leader. He served as Head of Division for Fish

Culture Division during 1990-1996 and on stop-gap arrangement for Aquaculture Engineering and Environment Division and Extension, Economics and Information Division during 1992-1996.

He was deputed to Bangladesh during 1989 to study the state of art in fish culture for a period of 2 weeks.

As Head of Office, he assisted in day-to-day work of the Institute including the land acquirement for the establishment of Headquarters at Chennai.

