

FISHERIES RESEARCH STATION, PALAIR, KHAMMAM

Fisheries Research Station (FRS), Palair was established in the year 1977 to conduct need based research on culture and propagation of cultivable varieties of fish species suitable for Aqua farming in the state and to transfer the technology to aqua farmers. The station is located on the National High Way 24 between Hyderabad and Khammam (*via* Suryapet) at latitude (N 17° 11' 56.44") and longitude (E 79° 55' 19.36"). This Research Station is the only one of its kind in the State of Telangana.

Mandate

- a. Development of Reservoir Fish in general and Research on Air Breathing Fishes in particular and disseminate the Technologies to the Farmers.
- b. Propagation of Scampi culture and Transfer of Technology to Aqua Farmers

Infrastructure Facilities

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| a. Fish Farm (24 Ponds + 58 Cement Nurseries) | - 25,738 Sq. Mtrs |
| b. Office Building with new NSPAAD Lab | - 124 Sq. Mtrs. |
| c. Water Quality Laboratory Building | - 17.86 Sq. Mtrs. |
| d. Hatchery Unit | - 130.49 Sq. Mtrs. |
| e. New Office Building | - 22.68 Sq. Mtrs. |
| f. Store Room | - 66.24 Sq. Mtrs |
| g. Cold Storage Building | - 3.90 Sq. Mtrs. |
| h. Training Hall | - 71.71 Sq. Mtrs. |

Significant Achievements

- a. Successful in dissemination of Mono & Poly Culture Technology for Indian Major Carps (IMC) - *Catla*, *Rohu* and *Mrigala* and Exotic Carps - *Grass carp*, *Silver carp* and *Common carp*.
- b. Successful in dissemination of Culture Technology of Alternate Fish to IMC (Pungus, Amur Carp, Jayanthi Rohu and Red Tilapia).
- c. Successful in Induced breeding of IMC and Air Breathing Fish (*Channa striatus* and *Clarius batrachus*).

- d. Catering to the needs of Aqua farmers through Production and Supply of IMC and Murrel Fish Seed.
- e. Development of Technologies for Nursery Management of IMC and Exotic Carps – from spawn to fry and from fry to finger lings.
- f. Development of Technologies for Culture of *Channa Striatus* (Murrel) in Aqua Farm Ponds.
- g. Development of Technologies for Culture of Scampy (Giant Fresh Water Prawn) in Aqua Farm Ponds.
- h. Development of Best Management Practices (BMP'S) Important Fish Diseases; their Control and Prevention.
- i. Development of Feed Formulations and Feeding Technology for Indian Major Carps.
- j. Evolved Best Management practices for increasing the Yield of Cultivable Fish and for Prevention of Fish Disease.

Research Projects

Completed

- a **All India Co-ordinated Research Project:** Culture and Propagation of Air Breathing Fish – Murrels (*Channa striatus*), Govt. of India – Rs. 22.00 Lakhs (1977 to 1987).
- b **Mega Seed Project:** Mass Seed Production of Cat Fish - Magur (*Clarius bhattracus*). ICAR - Rs. 19.12 Lakhs (2006-2011).
- c **Inland Aquaculture Sustainability:** Profitability for the Socio-economic Growth with appropriate location specific Alternate Fish Species to Indian Major Carps. RKVY – Rs. 30.00 Lakhs (2007-2012).
- d **Fish Diseases:** Prevalence of Important Fish Diseases and Development of Best Management Practices (BMP's) for their Control and Prevention. RKVY – Rs. 20.00 Lakhs (2007-2012).

Ongoing

- a National Surveillance Programme on Aquatic Animal Diseases (NSPAAD) project in the State of Telangana, ICAR - National Bureau Fisheries of Genetic Resources (NBFGR), Lucknow. NFDB, Hyderabad – Rs. 25.60 Lakhs (2018 – 'till date')

Skill Development Training Programmes completed:

- a. **One day Programmes** on (i) Freshwater Aquaculture, (ii) Advances in Aquaculture, (iii) Fish Processing, (iv) Value Added Fish Products and (v) Aquatic Animal Diseases. **11** programmes, 471 participants – (2017-2020)
- b. **Three day Skill Development Programmes** on (i) Reservoir Fisheries Management, (ii) Inland Cage Aquaculture, (iii) Inland Pen Aquaculture, (iv) Fish Processing and Value Addition. **22** programmes, 1,101 participants – (2017-2020)
- c. **Twenty Five day SDPs** on 1. Freshwater Aquaculture, 2. Hatchery Seed Production. Agriculture Skill Development Council of India (ASCI), 77 participants – (2017-2019)
- d. **Thirty day Skill Development Certificate Course** on 'Aqua Clinics and Aquapreneurship Development Programmes (AC & ADP)'. **2** programmes, 60 participants from 14 States – (2019)

Faculty:

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