

ECONOMIC SURVEY REPORT FOR 2023-2024 IN RESPECT OF FISHERIES DEPARTMENT

1. Sectoral Overview:

Sustainable Development of Fishery Sector in the state of Mizoram for nutritional security and livelihood support in the main objective of the Sector.

The state is estimated to have potential to develop around 24000 hectares of area under fish culture and have scope for attaining self-sustainability in fish flesh by development of vital infrastructure like hatcheries, bringing more potential area under fish culture and increased utilization of the existing reservoirs thereby offering income generation to the rural mass to improve the economic condition and livelihood of rural farmers.

The State total producible water resource estimated at the end of 2022-2023 under culture sector (ponds) is around 5759.08 hectare and around 8000 Ha in the form of Reservoirs and around 6000 Ha/1750 kms in the form of rivers involving a total of around 20251 no. of Fishers for livelihood.

The total State budget for Fisheries Department during 2022-2023 is Rs. 1351.64 lakhs, out of which Rs. 1004.34 lakhs are committed under Direction and Administration, Rs. 48.95 lakhs for minor works etc and Rs. 298.35 as State Share against funds received under CSS including backlog from the previous year.

2. Brief write-up of implementation of Schemes/Projects

The achievement for development of Fisheries Sector depends largely on the fund flow from the central schemes.

A. CSS & CS

i. PRADHAN MANTRI MATSYA SAMPADA YOJANA(PMMSY):

For 2022-2023 a total project worth of Rs. 2168.12 lakhs is approved by the Government of India under Pradhan Mantri Matsya Sampada Yojana (PMMSY), the sharing pattern of the Scheme is 54:6:40 between Govt of India, Govt of Mizoram and the beneficiaries respectively. The Central Share is therefore Rs. 1170.78 lakhs and the State Share is 130.09 lakhs and the beneficiaries share is Rs. 867.25 lakhs.

The achievement can be summarized as follows :

- To meet the deficiency of fish seeds 2 nos. of new fish hatcheries will be established 1 (one) each at Mamit and Serchhip District.
- A total of 50 hectares of new fingerling areas is developed covering all the district of Mizoram.
- To increase the fish production of the state a total of 100 hectares of new ponds is by selection of beneficiaries with potential land covering all district of the state.
- For promoting raising of indigenous fish 1 (one) unit of Raceway culture system will be established at Hnahthial district.
- For increasing fish production through paddy-cum-fish culture fish seeds will be provided to cover 50 hectares of paddy fields throughout the State.
- 1 unit of water and fisheries based recreational site will be established at Mamit district for promotional of recreational fisheries.
- to strengthen post-harvest infrastructure 2 nos of new Ice plant of 10 tonne capacity will be established 1 (one) each at Aizawl and Kolasib.
- Disease Diagnostic and quality Testing Laboratory: A Laboratory will be established at the headquarter to monitor and control disease outbreak and for water quality testing.
- For ensuring the availability of fresh fish, Live Fish Vending Centre will be established at ITI Veng Aizawl where live fish will be sold to the public.

B. State Schemes:

Socio-Economic Development Programme (SEDP) :

The achievement under the State Flagship programme SEDP are as follows :

- i. From Rs. 630.50 lakhs received under family oriented component of SEDP 1261 nos. beneficiaries are given assistance @ Rs. 50000/- for renovation of their fish ponds.
- ii. From Rs. 100.00 lakhs received under input component 22.40 lakhs nos of fish seeds is distributed to needy farmers.

3. Problems, Opportunities and Future Prospects

- **Problems :** The difficult terrain and topography of the state requires more capital investment in creating new water bodies pond which is rather difficult to afford by rural farmers as compared to plain areas.

The low manpower in the Department is another limiting factor for reaching desired level of development in Aquaculture. Three District Offices are recently created in the new District viz. Khawzawl, Hnahthial and Saitual without creation of the corresponding post which put further strain on the distribution of manpower within the Department.

- **Opportunities:** Mizoram has perennial clear water streams having high oxygen contents in most of the valleys between the mountains. This unique condition with moderate climate and adequate rainfall provides possibility for highly intensive culture of every commercial freshwater fishes, with adequate funding there is scope for attaining self-sufficiency in production of fish flesh.
- **Future Prospect :** Construction works of the projects from the previous years is ongoing such as Establishment of Brood Banks at Thenzawl under PMMSY and Establishment of Cold Storage at Ngaizel, Aizawl under SASCE and likely to be completed in the next financial year.

The Establishment of Brood Bank will enhance the production of fish seeds both in quality and quantity which will ease the deficiency of fish seeds in the State. The Establishment of Cold Storage will strengthen the Post-Harvest Infrastructure which is expected to function of as landing centre for local fish products and ease the burden of the fish farmers at the disposal of their products.

The Department is slowly creating awareness among the various NGO's involved in the conservation of riverine fisheries in line with the Mizoram Fisheries Act for partial harvesting and promotion of sport fishing. This venture is hoped to generate revenue both for the Government and funds for development of the respective community.

II. SECTORAL STATISTICS / BRIEF WRITE-UP:

- District-wise Revenue Collection during 2022-2023:**

The source of revenue for the Department is mainly from the subsidized sale of fishery inputs viz. fish seeds, fish feeds and nets and gears, licensing fee etc.

Office	Revenue Collection during 2020-2021 (Rs.)
Directorate	73341
DFDO, Aizawl	437228
DFDO,Lunglei	501000
DFDO,Saiha	281425
DFDO,Kolasib	420000
DFDO,Mamit	164625
DFDO,Lawngtlai	255000
DFDO,Serchhip	427450
DFDO,Champhai	450000
Total	30,10,069

- Total Fish Production & Area under aquaculture:**

The estimated fish production during 2022-2023 is as shown below:

District	Total no of fish farmers	Total Area (Hectare)	Actual production in tonne
Aizawl	1482	450.71	270.43
Lunglei	1831	615.61	369.37
Saiha	1346	460.21	368.17
Kolasib	3338	1181.21	1299.33
Mamit	3065	1162.41	1278.65
Lawngtlai	2356	803.89	562.72
Serchhip	1575	432.69	346.15
Champhai	1573	478.75	430.88
Saitual	717	65.20	39.12
Khawzawl	770	64.20	38.52
Hnahthial	466	44.20	26.52
Total in Culture Sector	18519	5759.08	5029.85
Average production in culture Sector (quintal/Ha)			8.70
Growth % in production from culture Sector from previous year			10.36%
Estimated Fish production from Capture Sector (Rivers, Lakes, Reservoir etc)			200.00
Estimated Total State Fish Production (Tonne)			5229.85

Total fish Imports, Volume and Value:

The Total fish requirement of the State is estimated to be 12450 MT calculated at the desired level of per capita consumption of 11kg and projected population for 2022. The total fish import during 2021-2022 is estimated to be around 2000 Tonnes with an estimated total value of about Rs.4000.00 lakhs calculated at the wholesale rate of Rs. 200 rupees per kg.

Production/Import of Fish feed and fish seed:

The total fish seed requirement of the state is estimated to be Rs. 460 lakhs fingerling calculating on the basis of available water bodies under culture sector alone at the end of 2022-2023. Out of this entire requirement the state was estimated to produce only around 180.05 lakhs of fingerlings both from private and government resources and another 100 lakh nos. is estimated to be imported from neighboring states. Therefore, the shortfall is estimated to be around 179.95 lakhs nos. of fish seed which leads to understocking and low overall fish production.

The fish feed production in the State is negligible at present due to high cost of production as many of the ingredients has to be imported from other States.