

ECONOMIC SURVEY REPORT FOR 2022-2023 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 2021-2022 under culture sector (ponds) is around 5527.08 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 22753 no. of Fishers for livelihood.

2. ACHIEVEMENT MADE IN THE SECTOR DURING THE YEAR :

The total State budget for Fisheries Department during 2021-2022 is Rs. 1316.37 lakhs, out of which Rs. 63.30 lakhs are set under Minor Works, OE, OC etc and the rest under Direction and Administration. The achievement of the Department therefore depends largely on the fund flow under different central schemes.

3. BRIEF WRITE-UP OF IMPLEMENTATION OF SCHEMES/ PROJECTS

A. State Programme

SEDP : Under the State Flagship programme SEDP RS. 200.00 lakhs were sanctioned for procurement of 45 lakh nos. of fish seeds, the fish seeds are then distributed at 70% subsidized rate covering 4044 nos of beneficiaries.

B. CSS & CS

i. **PRADHAN MANTRI MATSYA SAMPAD Yojana (PMMSY):**

During 2021-22 the Government of India have approved a total project cost of Rs. 2741.12 lakhs project for the State of Mizoram out of which the Central Share will be Rs. 1480.20 (54%) lakhs, the State share (6%) will be Rs. 164.37 lakhs and the beneficiaries share (40%) will be 1096.45. lakhs.

Due to the late release of funds for 2021-2022 the implementation is ongoing in the current financial year and the projected achievement may be summarized as follows :

1. *Hatchery*: To boost the fish seed productions a total of 6 new freshwater finfish hatchery are established 1 nos. each at Siaha. Lawngtlai, Champhai and Hnahthial and 2 nos. at Kolasib District.
2. *Rearing Ponds*: For development of ponds for raising fish seeds to fingerling stage, assistance is given to 412 nos of beneficiaries throughout the State. covering a total area of 50 hectares.
3. *New Ponds*: For increasing fish production, a total area of 95 hectares of new fish ponds is developed covering 950 beneficiaries through the state.
4. *Inputs*: Fisheries inputs is supplied to cover 95 hectares of the new water area.
5. *Raceways*: For promotion of fish culture in Raceways a total of 5 units is developed viz. 1 unit each in Lawngtlai and Khawzawl and 3 units in Champhai District.
6. *Ornamental Fisheries*: For promotion of ornamental fish breeding, support was given to 8 nos. of entrepreneurs for establishment of Backyard Ornamental fish rearing unit and 3 nos. of beneficiaries for establishment of medium sized Ornamental rearing unit.
7. *Recreational Fisheries*: For promotion of Recreational Fisheries assistance is given to two communities with potential lands for development of their sites. viz. 1 each at Aizawl and Kolasib
8. *Ice Plant*: To meet the requirement of ice for hygienic preservation of harvested fish 1 unit each of new Ice plant will be developed at Kolasib and Champhai.
9. *Paddy -cum-fish culture*: Inputs is provided to cover 20 hectares of paddy-fields.
10. *Marketing*: 1 unit each of Fish vending Kiosk including kiosks for ornamental fish will be established at Lunglei, Siaha & Mamit and 2 unit at Kolasib.
11. 6283 nos. of fisherment will be covered under Livelihood and Nutritional Support For Socio-Economically Backward Active Traditional Fishers for Conservation Of Fishers Resources During Fishing Ban/Lean Period.

ii. RASHTRIYA KISHAN VIKAS YOJANA (RKVY):-

The Scheme Rashtriya Krishi Vikas Yojana was implemented through Agriculture Department (State Nodal Department) and the total outlay for 2021-2022 is Rs. 109.99. lakhs out of which the Govt. of India share is Rs. 99.00 lakhs lakhs and the State share is Rs. 11.00 lakhs.

The achievement under RKVY scheme during 2021-2022 is as follows :

- 8.872 hectares of new ponds are created covering 29 beneficiaries each from Aizawl, Mamit and Kolasib District.

- Inputs viz. fish feeds is supplied to cover newly created ponds.

4. 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.

- **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.

II. SECTORAL STATISTICS / BRIEF WRITE-UP:

- **District-wise Revenue Collection during 2021-2022:**

The source of revenue for the Department is from the subsidized sale of fishery inputs viz. fish seeds, fish feeds and nets and gears. The total revenue collected by the Department during 2021-2022 is Rs. 96.31 lakhs and the details are shown below:

Office	Revenue Collection during 2020-2021 (Rs.)
Directorate	1327350.00
DFDO, Aizawl	921000.00
DFDO, Lunglei	752000.00
DFDO, Saiha	493250.00
DFDO, Kolasib	1549750.00
DFDO, Mamit	1735045.00
DFDO, Lawngtlai	460000.00
DFDO, Serchhip	720000.00
DFDO, Champhai	1672550.00
Total	96,30,945.00

- **Total Fish Production & Area under aquaculture:**

The fish production level of the State is showing a positive sign of recovering from the setback caused by the pandemic as compared to the previous year. The estimated fish production during 2021-2022 is as shown below:

District	Total no of fish farmers	Total Area (Hectare)	Actual production in tonne
Aizawl	1260	419.71	226.64
Lunglei	1664	597.11	304.52
Saiha	1203	445.51	302.94
Kolasib	3022	1149.91	1241.90
Mamit	2828	1136.005	1226.89
Lawngtlai	2170	768.69	491.96
Serchhip	1392	412.99	334.52
Champhai	1380	456.35	369.64
Hnahthial	367	32.40	17.50
Khawzawl	673	53.00	28.62
Saitual	629	55.40	29.92
Total in Culture Sector	16588	5527.075	4575.05
Average production in culture Sector (MT/Ha)			0.827
Growth % in culture Sector from previous year			5.91%
Estimated Fish production from Capture Sector (Rivers, Lakes, Reservoir etc)			200.00
Estimated Total State Fish Production			4775.05 MT

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 2021. The total fish import during 2021-2022 is estimated to be around 2150 Tonnes with an estimated total value of about Rs.4300.00 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. 441 lakhs fingerling calculating on the basis of available water bodies under culture sector alone at the end of 2021-2022. Out of this entire requirement the state was estimated to produce only around 126.00 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 215.00 lakhs nos. of fish seed which leads to understocking and low overall fish production.

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