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Q15

Defining blue revolution, explain the problems and strategies for pisciculture development in India.

UPSC Civil Services Mains 2018 · GS I · 15 marks · Indian Heritage and Culture

Indian culture will cover the salient aspects of Art Forms, literature and Architecture from ancient to modern times.

Core demand of the question

- Define the Blue Revolution
- Then explain problems of pisciculture in India and the strategies to develop it

Revision summary

Blue Revolution means raising fish output through aquaculture technology and organised value chains.

India's growth now leans on inland carp and shrimp as well as marine catch.

Problems are seed, costly feed, disease, water conflict, overfishing, and weak cold chain.

Strategies are certified hatcheries, reservoir cages, disease control, markets, and fisher credit.

Commons and mangroves must stay in the plan or shrimp gains will be ecological losses.

Flow diagram

Blue Revolution -> Inland ponds cages

Blue Revolution -> Marine capture plus culture

Inland ponds cages -> Seed feed disease water

Marine capture plus culture -> Seed feed disease water

Hatchery cold chain credit -> Higher sustainable yield

Conclusion

- Treat fish as protein and as coastal-inland employment, protect commons from enclosure, and measure success by yield, income, and water quality together.

The Blue Revolution is the organised expansion of aquaculture and better fisheries, not a slogan for more trawling. Problems of seed, feed, disease, water, and markets are known; hatcheries, cold chain, disease control, and small-producer credit are the strategies that make pisciculture a real protein and export sector.

Facts & figures

Neel Kranti / Blue Revolution scheme

2015-16 central scheme to consolidate fisheries development through seed, infrastructure, and NFDB support.

NFDB

National Fisheries Development Board, the specialised body for fisheries projects and extension.

Indian major carps

Catla, rohu, and mrigal, the backbone of freshwater composite culture in Indian ponds.

FFDA

Fish Farmers' Development Agencies that trained and subsidised inland fish farmers in many districts.

PMMSY, 2020

Later national fisheries mission that continued Blue Revolution goals with a larger outlay.

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