

GOVERNMENT OF INDIA
MINISTRY OF FISHERIES, ANIMAL HUSBANDRY AND DAIRYING
DEPARTMENT OF FISHERIES

RAJYA SABHA

UNSTARRED QUESTION No. 386
TO BE ANSWERED ON 03rd December, 2025

Role of private sector in strengthening aquaculture ecosystem in Andhra Pradesh

386 Shri Sana Sathish Babu:

Will the Minister of *Fisheries, Animal Husbandry and Dairying* be pleased to state:

- a) the extent of private-sector investment in technology, cold-chain, logistics and processing infrastructure across districts of Andhra Pradesh;
- (b) steps taken to promote private-public-cooperation cooperation under Pradhan Mantri Matsya Sampada Yojana (PMMSY) and other schemes;
- (c) district-wise outcomes such as capacity expansion, market linkages and farmer incomes attributable to private participation; and
- (d) measures to increase private engagement in inland, brackish and marine aquaculture?

ANSWER

MINISTER OF FISHERIES, ANIMAL HUSBANDRY AND DAIRYING

(SHRI RAJIV RANJAN SINGH ALIAS LALAN SINGH)

(a): The Government of India, through various schemes such as Pradhan Mantri Matsya Sampada Yojana (PMMSY), Pradhan Mantri Matsya Krishi Samridhi Sah-Yojana (PM-KSSY), and the Fisheries and Aquaculture Infrastructure Development Fund (FIDF), is promoting private-sector investment in the fisheries sector in the States/UTs, including in Andhra Pradesh. The Government of Andhra Pradesh has informed that all aquaculture infrastructure in the state is established, owned, and operated by the private sector, thereby contributing to capacity expansion, market linkages, and increased farmer incomes. Key infrastructure includes **Cold Storages:** 20 units (2.43 Lakh MT/year capacity), **Processing Plants:** 207 units (8,500 tonnes/day capacity), **Ice Plants:** 374 units (20,000 MT/day capacity), **Shrimp Hatcheries:** 503 units (95,000 PL Million/year capacity), **Feed Mills:** 103 units (25,000 MT/day capacity), **Aqua Labs:** 342 units, **Transport Vehicles:** 6,300 units, **Drones:** 29 units. The district-wise details of total number of aquaculture units established by private enterprises in the State of Andhra Pradesh is provided in **Annexure I**.

(b): The Pradhan Mantri Matsya Sampada Yojana (PMMSY), along with other Government of India initiatives in the fisheries sector, promotes robust public-private collaboration to strengthen fisheries and aquaculture value chains. To facilitate large-scale infrastructure projects under the PPP mode, the scheme also provides for **Viability Gap Funding (VGF)**. Further, the PMMSY also incentivizes private investment in innovative ventures, startups, and technology adoption, thereby fostering entrepreneurship and modernization across the sector. Financial assistance is extended to private investments in beneficiary-oriented activities, with Government support covering **40% of project cost for the general category** and **60% for SC/ST/Women beneficiaries**. Collectively, these measures aim to harness private resources and expertise to drive sustainable development, enhance production, and expand economic opportunities in the fisheries sector. The Government of Andhra Pradesh has reported that the state has promoted private participation in a significant

way under the PMMSY. An investment of Rs. 2405.52 Cr under PMMSY, with Rs. 563.31 Cr in central financial assistance, has been made in this sector so far. Key projects include fishing harbors, fish landing centers, aqua parks, ice plants, cold storages, retail fish markets, fish kiosks, transportation facilities, value-addition enterprises, and e-platforms for fish marketing. Implementation of intensive aquaculture systems like Biofloc, RAS, and Cage Culture.

(c): Private participation across Andhra Pradesh's districts has yielded diverse outcomes from investments in domains including hatcheries, feed mills, labs, processing units, ice plants, nurseries, and cold chain infrastructure. Significant outcomes of private sector participation in Andhra Pradesh's aquaculture include high intensification, export linkages, global market access, improved survival rates, increased yields, higher productivity, reduced losses, steady farmer incomes, capacity expansion, biosecurity strengthening, efficient seed access, better crop planning, diversification, post-harvest improvements, and enhanced entry for new farmers. The district-wise details are furnished in **Annexure II**.

(d): The Government of India promotes private participation in inland, brackish, and marine aquaculture through its policies and schemes in the fisheries sector. To ensure sustainability, the Coastal Aquaculture Authority (CAA) has issued comprehensive guidelines for coastal aquaculture practices. Further, the Department of Fisheries, Government of India has released Model Guidelines for Reservoir Fisheries and Aquaculture Management, offering a cohesive, strategic, and scientifically informed blueprint to support States and Union Territories (UTs) in formulating context-specific policies for holistic reservoir resource development. In addition, the Department of Fisheries, Government of India has issued a Standard Operating Procedure (SOP) for the Development of Mariculture in India, providing a clear, action-oriented, and integrated framework to guide States/UTs in advancing mariculture of fishes, shellfishes, and seaweed.

The Government of Andhra Pradesh has reported that the State has brought in a dedicated policy to promote cage culture in reservoirs, utilizing public waterbodies for private farming to support inland aquaculture. The State has also launched a Mariculture Policy to develop sustainable marine farming practices, including seaweed cultivation and ocean-based aquaculture. The State has established the Andhra Pradesh State Aquaculture Development Authority (APSADA) to regulate and promote aquaculture businesses. The State has also established the Aquaculture Advisory Committee to address export barriers, disease challenges, and market access issues. The schemes of the Department of Fisheries, Government of India, such as the PMMSY, provide financial assistance for a host of activities linked to production, post-harvest, and marketing, including ponds, cages, hatcheries, cold-chain and processing infrastructure, the adoption of modern systems like RAS, and support for FFPOs and market linkages. **PM-MKSSY** boosts micro and small aquaculture enterprises and improves access to credit and insurance. The Fisheries and Aquaculture Infrastructure Development Fund (**FIDF**) offers concessional loans for large-scale aquaculture infrastructure. Under the scheme, an investment of ₹1396.83 crore has been made in Andhra Pradesh, which includes six private investment projects.

Annexure- I

Statement referred to in reply of part (a) of Rajya Sabha Unstarred Question No. 386 regarding Role of private sector in strengthening aquaculture ecosystem in Andhra Pradesh for answer on 3rd December, 2025 - Details of the District-wise aqua business units established in the State of Andhra Pradesh :

S. No.	District	Processing Plants	Cold Storage	Ice Plants	Packaging Units	Total
(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)
1	Eluru	7	0	86	0	93
2	West Godavari	53	0	39	0	92
3	Krishna	14	0	33	0	47
4	Konaseema	3	0	18	3	24
5	SPSR Nellore	20	14	35	0	69
6	Kakinada	24	1	44	0	69
7	Bapatla	19	3	25	2	49
8	Prakasam	17	0	23	3	43
9	Tirupati	9	0	17	1	27
10	Sarikakulam	1	0	5	0	6
11	East Godavari	0	0	2	0	2
12	Anakapalli	2	2	2	0	6
13	Palnadu	0	0	9	0	9
14	Kurnool	0	0	5	0	5
15	NTR	0	0	2	0	2
16	Vizianagaram	1	0	7	0	8
17	Guntur	0	0	5	0	5
18	Mayam	2	0	0	0	2
19	Visakhapatnam	34	0	17	23	74
20	ASR	1	0	0	0	1
	Total	207	20	374	32	633

Annexure II

Statement referred to in reply of part (c) of Rajya Sabha Unstarred Question No. 386 regarding Role of private sector in strengthening aquaculture ecosystem in Andhra Pradesh for answer on 3rd December, 2025 - District-wise capacity expansion and market linkage through private participation in the fishery sector and its attributes in Andhra Pradesh :

S. No.	District	Culture Extent (Acres)	No. of Ponds	Total Aqua Business Units	Key Private Sector Participation	Outcomes (Capacity, Markets, Income)
(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)
1	Eluru	1,65,880.56	27,017	528	Hatcheries, feed mills, labs, processing, ice plants	High intensification, export linkages, improved incomes
2	West Godavari	1,32,591.85	42,051	544	SPF seed, feed industries, diagnostics, major processors	Global market access, improved survival & yields
3	Krishna	1,08,912.13	34,259	401	Aeration suppliers, nurseries, cold chain, labs	Higher productivity, reduced losses, better prices
4	Konaseema	48,992.71	27,596	321	Shrimp hatcheries, aqua shops, clusters	Capacity expansion, biosecurity strengthening
5	SPSR Nellore	39,590.02	19,912	285	Hatcheries, processors, ice plants	Assured procurement, steady incomes
6	Bapatla	23,661.24	19,779	234	Private nurseries, feed supply	Efficient seed access, better crop planning
7	Kakinada	23,269.72	15,441	357	Hatcheries (191), processors (24), ice plants	Post-harvest improvement, reduced spoilage
8	Prakasam	11,033.02	7,056	192	Biofloc, RAS, multi-species seed	Diversification, increased annual production
9	Tirupati	9,446.53	6,445	129	Freshwater hatcheries, nurseries	Tank/reservoir farming expansion
10	Srikakulam	3,592.42	2,987	35	Nurseries, small labs	Improved entry of new farmers
11	Palnadu	3,308.55	777	13	RAS, nurseries, input dealers	Gradual expansion of tank aquaculture
12	East Godavari	3,100.60	1,579	17	Labs, aqua inputs	Improved survival, cluster benefits
13	Anakapalli	2,846.17	1,862	55	Freshwater seed & feed units	Better freshwater aquaculture productivity
14	NTR	945.79	269	27	Seed & input suppliers	Tank farming expansion
15	Kurnool	689.21	131	5	RAS units	Intensive culture increasing farmer profits
16	Vizianagaram	568.21	191	26	Nurseries, aqua inputs	Moderate productivity gains
17	YSR Kadapa	395.89	143	1	Small-scale RAS	New livelihood opportunities
18	Manyam	280.01	86	2	Small RAS, seed	Improved livelihood diversification
19	Guntur	194.72	68	14	Carp nurseries, hatcheries	Slow but stable growth
20	Visakhapatnam	33.56	12	120	Marine cages, seaweed, processors	Strong mariculture growth
TOTAL		5,79,332.91	2,07,661	3306		
