

**10 KEY AREAS FOR PROMOTION OF AQUACULTURE SECTOR AND SEAFOOD EXPORTS IN ANDHRA PRADESH**  
**(10 COMMANDMENTS FOR PROMOTION OF AQUACULTURE AND SEAFOOD EXPORTS IN ANDHRA PRADESH)**

Key Area	Actions required
Enhancement of Production and Productivity	<ul style="list-style-type: none"> <li>➤ Promotion of advanced technologies (RAS, IMTA, Bio-floc, cage culture, pen culture, intensive farming etc.).</li> <li>➤ "Land Lease Policy for coastal aquaculture" for identification of potential areas and expansion</li> <li>➤ "Reservoir Leasing Policy" for increasing productivity and production from reservoirs</li> <li>➤ Production, supply and stocking of disease-resistant and genetically improved fish and prawn seed in public water bodies and promotion of captive seed nurseries under MGNREGS.</li> <li>➤ Revive and strengthen Govt. Fish Seed Farms with adequate infrastructure and staff.</li> <li>➤ Promote automation and IoT-based tools for smart aquaculture.</li> <li>➤ Promotion of cluster approaches through aquaculture societies</li> </ul>
Environmental Sustainability	<ul style="list-style-type: none"> <li>➤ Adherence to “ Pre-cautionary principles of Environmental Law” and “Polluter Pay Principle”</li> <li>➤ Promotion of eco-friendly aquaculture practices and organic farming using organic inputs</li> <li>➤ Reduce carbon emissions and soil degradation.</li> <li>➤ Taking up de-silting and de-weeding of creeks, canals and drains for free flow of water</li> <li>➤ Allocation of free irrigated water to aquaculture farmers through Water Leasing Policy.</li> <li>➤ Regulate invasion of exotic species and up-keeping bio-diversity</li> <li>➤ Strict prohibition on aquaculture activities in mangroves, ecologically sensitive areas and agricultural lands.</li> </ul>
Diversification in Aquaculture	<ul style="list-style-type: none"> <li>➤ Promotion of alternate species both in freshwater ( GIFT Tilapia, Amur carp, Scampi, Jayanthi rohu) and Brackishwater (Mud crab, Marine Finfish and Indigenous shrimp)</li> <li>➤ Establishment of hatcheries, brood banks, Broodstock Multiplication Centres, Nucleus Breeding Centre’s in P4 model for production and supply of quality broodstock and seed.</li> <li>➤ Operationalise Integrated Aqua Park (IAP) &amp; ongoing aquaculture projects within time frame.</li> <li>➤ Incentives for diversification and infrastructure under Utilize PMMSY.</li> <li>➤ Establish Aquatic Quarantine Facility (AQF) in Vizag for SPF shrimp broodstock.</li> <li>➤ MoUs with ICAR, GoI Institutions and expertise agencies for technology transfer and infusion.</li> </ul>
Promotion of Mariculture activities	<ul style="list-style-type: none"> <li>➤ Bringing "Mariculture Leasing Policy" for optimal utilisation of coastal waters for seaweed farming, cage culture, raft culture, and bi-valve farming.</li> <li>➤ Collaboration with ICAR-CMFRI, CIBA, NIOT, and CSIR for capacity building and promotion among Fisherwomen, SHGs, FFPOs, and entrepreneurs.</li> <li>➤ Support with backward and forward linkages for hatcheries, feed plants, processing and marketing facilities.</li> </ul>
Reduction of Production Costs	<ul style="list-style-type: none"> <li>➤ Promotion of cost-effective feeds using local ingredients to reduce dependency on imported inputs.</li> <li>➤ Minimize feed wastage and improve Feed Conversion Ratios (FCR).</li> <li>➤ Minimize operational cost by introducing IoT tools and drones</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Strict regulation on spurious inputs, quality assurance and price regulation in aquaculture inputs (feed, seed, broodstock and health care products)</li> <li>➤ Credit flow through financial institutions to help the farmers from private lending with high rate of interest.</li> </ul>
Disease Management	<ul style="list-style-type: none"> <li>➤ Strengthen Digitalized Disease Surveillance System and Disease Diagnosis Labs.</li> <li>➤ Strict compliance to bio-security standards, hygiene and sanitation condition</li> <li>➤ Regulating in-breeding in freshwater fishes and production and supply of genetically improved and disease-resistant fish and shrimp species</li> <li>➤ Strict regulation on usage of pharmacologically active substances, anti-microbial agents through Task Force Committees, encourage growth promoters and immune-stimulants</li> <li>➤ Growth and health monitoring using IoT- based tools and declaration of disease free zones.</li> <li>➤ Extension of services of ICAR institutions through Advisories and toll-free services on disease management including “Report Fish Disease” App of ICAR-NBFGR to the farmers and aquaculture technicians</li> </ul>
Aquaculture Crop Insurance	<ul style="list-style-type: none"> <li>➤ Sensitise and coverage of farmers under Aquaculture Crop Insurance under PMMKSSY.</li> <li>➤ Enter MoU with NFDB &amp; ICAR-CIBA to support farmers with insurance coverage under PMMKSSY.</li> </ul>
Value Addition	<ul style="list-style-type: none"> <li>➤ Enhancement of value addition to fish and fishery products from 10% to 30-40%</li> <li>➤ Financial support from Ministry of Food Processing Industries under PMKSY, PMFME and PMMSY of DOF for establishment of facilities for value-addition to indigenous raw material, value-added products</li> <li>➤ Strengthening of testing lab facilities for quality assurance</li> <li>➤ Import of raw material for re-processing and re-export.</li> </ul>
Export Promotion	<ul style="list-style-type: none"> <li>➤ Advanced Traceability Systems in aquaculture supply chain through blockchain technology</li> <li>➤ Promotion Seafood exports with branding and quality assurance certification</li> <li>➤ Support for ”Mega food parks”, “Cold chain facilities” and Centre of excellence”</li> <li>➤ Exemption from Anti-Dumping Duties (ADD) and Counter-Veiling Duties (CVD) by the Govt. of India</li> <li>➤ Expansion of International market for value added products, live fish &amp; Shrimp and soft-shell crab.</li> <li>➤ Promote direct linkages between farmers and exporters.</li> <li>➤ Establishment of adequate Quality Control labs for 100% PHT screening on par with international standards</li> <li>➤ Regulation on peeling and pre-processing plants for quality control.</li> </ul>
Marketing	<ul style="list-style-type: none"> <li>➤ Coordination with GoI Ministries to address the issues at International market by the High Level Committee</li> <li>➤ Conduct market research and trade intelligence to enhance exports.</li> <li>➤ MPEDA to share weekly seafood market prices and demand forecasts.</li> <li>➤ Boost Domestic Marketing of live and frozen fish/prawn to enhance per capita consumption in the State</li> <li>➤ Fish supply to other States with branding and quality certification.</li> </ul>