

<p>Results Framework Document for Coastal Aquaculture Authority Chennai</p> <p>[RFD - CAA]</p>			
			<p>[2013 -2014]</p>
<p>[Ministry of Agriculture, Dept. of Animal Husbandry, Dairying and Fisheries Shastri Bhavan Annexe, Haddows Road, Chennai – 600 006]</p>			

Section 1:

Vision, Mission, Objectives and Functions

Vision

Sustainable coastal aquaculture development through effective regulatory measures.

Mission

To achieve sustainable coastal aquaculture development by implementing the regulatory measures provided in the Coastal Aquaculture Authority Act, Rules, Guidelines and Regulations, through close coordination with representative coastal State Governments, other nodal organizations and stakeholders.

Objectives

The objective of the Authority is to regulate 'coastal aquaculture' activities in the areas notified in the Act as 'coastal areas' (i.e., up to a distance of 2 kms. from High Tide Line) and for matters connected therewith. Coastal aquaculture means culturing, under controlled conditions in ponds, pens, enclosures or otherwise, in coastal areas, of shrimp, prawn, fish or any other aquatic life in saline or brackish water.

Functions

- To make regulations for the construction and operation of aquaculture farms in coastal areas, inspection of farms to ascertain their environmental impact, registration of aquaculture farms, removal or demolition of coastal aquaculture farms which cause pollution, fixing standards for all coastal aquaculture inputs, viz., seed, feed, growth supplements, chemicals, etc. used in coastal aquaculture.
- To ensure that the agricultural lands, salt pan lands, mangroves, wet lands, forest lands, land for village common purposes and the land meant for public purposes and national parks and sanctuaries are not converted as aquaculture farms in order to protect the livelihood of the coastal community living in coastal areas;
- To survey the entire coastal area and advise the Central Government and the State/UT Governments for formulating suitable strategies for achieving eco-friendly development;
- To advise and extend support to the State/UT Governments for constructing common infrastructure like, common water in-take, discharge canals and common effluent treatment systems etc.;
- To carryout or sponsor investigations and studies/ schemes relating to environment protection and demonstration of eco-friendly technologies;
- To collect and disseminate the data and other scientific and socio-economic information related to coastal aquaculture;
- To give publicity and train personnel on sustainable utilization and fair and equitable sharing of the coastal resources;

- To direct the owners of the farm to carry out modifications to minimize the impacts on coastal environment;
- To order seasonal closure for ensuring sustainability; or in the interest of maintaining environmental sustainability and protection of livelihoods in the interest of coastal environment;
- To cancel the registration where any person has obtained registration by furnishing false information or contravened any of the provisions of these rules or of the conditions mentioned in the certificate of registration;
- To deal with any issue pertaining to coastal aquaculture including those which may be referred to by the Central Government.
- To make suitable recommendations to the Government for amending the guidelines from time to time.
- To regulate the import of broodstock, quarantining, bio-secured seed production in hatcheries and bio-secured farming of SPF *Litopenaeus vannamei* (an exotic species) in India as well as to deal with other related issues connected with the introduction of *L. vannamei* culture.

Section 2:
Inter se Priorities among Key Objectives, Success indicators and Targets

Column 1	Column 2	Column 3	Column 4		Column 5	Column 6							
Objective	Weight	Actions	Success indicators	Unit	Weight	Target/ criteria value 2013-14							
						Excellent	Very good	Good	Fair	Poor			
						100%	90%	80%	70%	60%			
<p>The main objective of the Authority is to regulate Coastal aquaculture activities in the Coastal areas in order to ensure sustainable development without causing damage to the coastal environment.</p> <p>Functions:</p> <p>1. Registration of farms</p> <p>2. Approvals for <i>L.vannamei</i> culture</p>	100%	<p>Registration of coastal aquaculture farms on the basis of the recommendations by District and State level Committees after inspecting the farms.</p>	Registration of farms	Number of certificates issued	30%	3000 farms	2700	2400	2100	1800			
		<p>Inspection of farms by team authorized by Coastal Aquaculture Authority and approved by CAA</p>	Approvals for <i>L.vannamei</i> culture	<p>Water spread area (in hectares) approved</p> <p>Expected additional level of production (in tonnes)</p>	30%	2000 ha	1800	1600	1400	1200	20000	18000	16000

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Column 1	Column 2	Column 3	Column 4		Column 5	Column 6				
Objective	Weight	Actions	Success indicators	Unit	Weight	Target/ criteria value 2013-14				
						Excellent	Very good	Good	Fair	Poor
						100%	90%	80%	70%	60%
3. Approvals for <i>L.vannamei</i> Hatcheries/ permission to import broodstock		Inspection of hatcheries by team authorized by Coastal Aquaculture Authority and approved by CAA	Approvals for <i>L.vannamei</i> hatcheries and permission to import brood stock etc. of SPF <i>L.vannamei</i> on the basis of annual requirement	Number of hatcheries with potential level of seed production (in billions)	15%	120 hatcheries with 10 Billion seeds	108 hatcheries 9 b seeds	96 hatcheries 8 b seeds	84 hatcheries 7 b seeds	72 hatcheries 6 b seeds
4. Conducting Awareness programs		By officers of Coastal Aquaculture Authority with State Representatives	Conducting Awareness programs	Number of programs	5%	6	5	5	4	3
5. Inspection & Monitoring of farms and hatcheries		By officers of Coastal Aquaculture Authority with State Representatives	Inspection & Monitoring of farms and hatcheries	Number of visits	20%	400 farms & 200 hatcheries	360 farms & 180 hatcheries	320 farms & 160 hatcheries	280 farms & 140 hatcheries	240 farms & 120 hatcheries

Section 3: Trend Value for Success Indicators

Objective	Actions	Success indicators	Unit	Actual value for the FY 2009-10	Actual value for the FY 2010-11	Actual value for the FY 2011-12	Actual value for the FY 2012-13	Target value for the FY 2013-14	Projected value for the FY 2014-15	Projected value for the FY 2015-16			
<p>The main objective of the Authority is to regulate Coastal aquaculture activities in the Coastal areas in order to ensure sustainable development without causing damage to the coastal environment.</p> <p>Functions:</p>	<p>1. Registration of farms</p> <p>Registration of coastal aquaculture farms on the basis of the recommendations by District and State level Committees after inspecting the farms.</p>	<p>Number of farms registered</p>	<p>Number of certificates issued</p>	6485	2857	1236	1835	3000	3000	3000			
				<p>2. Approvals for L.vannamei culture</p> <p>Inspection of farms by team authorized by Coastal Aquaculture Authority and approval by the CAA</p>	<p>Number of approvals issued for L.vannamei culture</p>	<p>Water spread area (in hectares)</p>	1112.08	2464	3969	5723	8000	10000	12000
							<p>Level of production (in tonnes)</p>	1764.04	18247	80717	123000*	120000	140000

*Provisional figures till December, 2012.

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Section 3: Trend Value for Success Indicators

Objective	Actions	Success indicators	Unit	Actual value for the FY 2009-10	Actual value for the FY 2010-11	Actual value for the FY 2011-12	Actual value for the FY 2012-13	Target value for the FY 2013-14	Projected value for the FY 2014-15	Projected value for the FY 2015-16
3. Approvals for <i>L.vannamei</i> Hatcheries/ permission to import broodstock	Inspection of hatcheries by team authorized by Coastal Aquaculture Authority and approvals by CAA	Approvals for <i>L.vannamei</i> Hatcheries and permission to import brood stock of SPF <i>L.vannamei</i> on the basis of annual requirement	Number of hatcheries	24	21	74	105	120	130	140
			Estimated level of seed production	321.35 million	1329 million	2465 million	6560# million	10 billion	11 billion	12 billion
4. Conducting Awareness programs	By officers of Coastal Aquaculture Authority with State Representatives/ CIBA / NFDB	Conducting Awareness programs	Number of programs	10	5	9	5	10	10	10
5. Inspection & Monitoring of farms and hatcheries	By officers of Coastal Aquaculture Authority with State Representatives	Inspection & Monitoring of farms and hatcheries	Number of farms	149	253	194	431	400	400	400
			No. of visits to hatcheries	61	57	178	179	150	150	150

#Figures estimated for hatcheries

Section 4:

Description and Definition of Success Indicators And Proposed Measurement Methodology

The Coastal Aquaculture Authority has been set up under an Act of Parliament for regulating the activities connected with coastal aquaculture in coastal areas as defined in the Act. The Act provides for the Central Government to take all such measures as it deems necessary or expedient for regulation of coastal aquaculture by prescribing guidelines to ensure that the coastal aquaculture does not cause any detriment to the coastal environment and the concept of responsible coastal aquaculture shall be followed in regulating coastal aquaculture activities to protect the livelihood of various sections of the people living in coastal areas. Towards achieving the above objectives, the following regulatory functions are performed.

Sl.No.	Success Indicator	Descriptions / Definitions
1.	Registration of shrimp farms – Number of Registration	Applications received from DLCs and SLCs set up in the coastal States are processed and scrutinized and those which are in order are approved by CAA and Registration Certificates are issued.
2.	Grant of Permission for culture of SPF <i>L.vannamei</i> in bio-secured farms – Number of farms and area	Applications received are processed; farms are inspected for verification of bio-security facilities; those recommended by the Inspection Team are approved by CAA and Letter of Permission (LoP) issued.

3.	Grant of Permission for production of SPF <i>L.vannamei</i> seeds in bio-secured hatcheries – Number of hatcheries approved	Applications received are processed; hatcheries are inspected for verification of bio-security facilities; those recommended by the Inspection Team are approved by CAA and Letter of Permission (LoP) issued.
4.	Grant of Permission for import of broodstock of SPF <i>L.vannamei</i> - Number of broodstock approved	Applications received are processed; Annual requirement of broodstock permitted by Technical Committee based on capacity of the hatchery; Approvals issued by CAA.
5.	Production of SPF <i>L.vannamei</i> – Quantity of <i>L.vannamei</i> produced	Estimates derived from quarterly reports received from farmers in Form No.V and estimates made by MPEDA.

Section 5:

Specific Performance Requirements from other Departments

Registration of coastal aquaculture farms is a major activity towards regulation of the activities in the coastal area. Expansion of the area for coastal aquaculture would help in increased production. District Level Committees and State Level Committees set up in the coastal States are directly involved in this process viz., receipt of application, verification of facts, inspection, convening of the meetings of DLC and SLC to recommend the applications for registration by CAA, which is done at the meetings of the Authority. The level of success depends upon the pace at which the DLCs/SLCs act.

Another area where involvement of other Department is involved is the Aquatic Quarantine Facility (AQF), which at present is handled by Rajiv Gandhi Centre for Aquaculture (RGCA) under The Marine Products Export and Development Authority (MPEDA) in the Ministry of Commerce. The AQF helps in screening for OIE listed pathogens to ensure that the broodstock imported does not bring in any exotic varieties of disease.

Section 6:
Outcomes/Impact of activities of Coastal Aquaculture Authority

Sl. No.	Outcome/ impact of activities	Jointly responsible for influencing this outcome / impact with the following Departments / Ministries	Success indicators	FY 2009-10	FY 2010-11	FY 2011-12	FY 2012-13	Projected for the FY 2013-14	Projected for the FY 2014-15	Projected for the FY 2015-16
1.	Registration of farms	District Level Committees and State Level Committees of coastal States and Union Territories	Number of farms legally permitted for coastal aquaculture	6485	2857	1236	1835	3000	3000	3000
2.	Approvals for <i>L.vannamei</i> culture	Inspection Committee is headed by CAA with representatives from NFDB, MEDA and Fisheries Departments of States.	Increase in <i>L.vannamei</i> production	1764.04 tonnes	18247 tonnes	80717 tonnes	123000* tonnes	140000 tonnes	160000 tonnes	180000 tonnes
3.	Approvals for <i>L.vannamei</i> Hatcheries/ permission to import broodstock	Inspection Committee is headed by CAA with representatives from NFDB, MEDA and Fisheries Departments of States.	Increase in number of hatcheries Increase in seed production for supply to farmers	24 321.35 million	21 1329 million	74 million	105 6560# million	120 9 billion	130 10 billion	140 11 billion

*Provisional figures till December, 2012.

Figures estimated for hatcheries