

<p><b>Results Framework Document for Coastal Aquaculture Authority Chennai</b></p> <p>[RFD - CAA]</p>			
			<p>[2012 -2013]</p>
<p>[Ministry of Agriculture, Dept. of Animal Husbandry, Dairying and Fisheries Shastri Bhavan Annexe, Haddows Road, Chennai – 600 006]</p>			



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# Results Framework Document

Coastal Aquaculture Authority

Chennai

(2012 – 2013)

## **Section 1:**

### **Vision, Mission, Objectives and Functions**

#### **Vision**

Sustainable coastal aquaculture development by effective regulation.

#### **Mission**

To achieve sustainable coastal aquaculture development by implementing the regulatory measures contained in the Coastal Aquaculture Authority Act, Rules, Guidelines and Regulations, in association 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 by the Central Government as 'coastal areas' 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 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 line, common water in-take, discharge canals and common effluent treatment systems;
- 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 regarding 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* in India.

**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 2012-13				
						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%	Registration of coastal aquaculture farms on the basis of the recommendations by District and State level Committees after inspecting the farms.	Registration of farms	Number of certificates issued	40%	3000 farms	2700	2400	2100	1800
						Inspection of farms by team authorized by Coastal Aquaculture Authority and approved by CAA	Approvals for <i>L.vannamei</i> culture	Water spread area (in hectares) approved Level of production ( in tonnes)	30%	2000 ha
		20000	18000	16000	14000					12000

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						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 level of seed production (in billions)	15%	90 hatcheries with 8 Billion seeds	81 hatcheries 7.2 b seeds	72 hatcheries 6.4 b seeds	63 hatcheries 5.6 b seeds	54 hatcheries 4.8 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	10%	300 farms & 100 hatcheries	270 farms & 90 hatcheries	240 farms & 80 hatcheries	210 farms & 70 hatcheries	180 farms & 60 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	Target value for the FY 2012-13	Projected value for the FY 2013-14	Projected value for the FY 2014-15				
<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	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	6000	8000	10000
								<p>Level of production (in tonnes)</p>	1764.04	18247	80717	100000	120000



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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	Target value for the FY 2012-13	Projected value for the FY 2013-14	Projected value for the FY 2014-15
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	90	100	110
			Level of seed production	321.35 million	1329 million	2465 million	8 billion	9 billion	10 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	6	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	300	300	300
			No. of visits to hatcheries	61	57	178	100	150	150

## 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 mandates 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 – <b>Number of Registration</b>	Applications received from DLCs and SLCs set up in the coastal States are processed and those 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 – <b>Number of farms and area</b>	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 – <b>Number of hatcheries approved</b>	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> - <b>Number of broodstock approved</b>	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> – <b>Quantity of <i>L.vannamei</i> produced</b>	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.

During 2011-12, a total of 74 hatcheries were permitted by CAA to import SPF *L.vanname* broodstock, numbering 48,720 pairs to produce the required seed for sale to farms. Against this, only 18,980 pairs alone could be imported limiting the seed production to 2465.06 million Post Larva, mainly on account of the limited capacity of the Aquatic Quarantine as the imported stock has to pass through for quarantining, which is mandatory.

**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	Target for the FY 2012-13	Projected for the FY 2013-14	Projected for the FY 2014-15
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	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.	With increase in area under <i>L.vannamei</i> culture, shrimp production has increased.	1764.04 tonnes	18247 tonnes	80717 tonnes	100000 tonnes	120000 tonnes	140000 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.	Increased number of hatcheries helps in increase in seed production for supply to farmers	24 321.35 million	21 1329 million	74 2465 million	90 8 billion	100 9 billion	110 10 billion