

Results Framework Document  
for Coastal Aquaculture Authority  
Chennai

[RFD - CAA]

[2014 -2015]

[Ministry of Agriculture, Dept. of Animal Husbandry, Dairying and Fisheries  
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Results Framework Document

Coastal Aquaculture Authority

Chennai

(2014 – 2015)

## 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 Objective	Column 2 Weight	Column 3 Actions	Column 4 Success indicators	Column 5 Unit	Column 5 Weight	Column 6 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%																		
		Registration / Renewal of coastal aquaculture farms on the basis of the recommendations by District and State level Committees after inspecting the farms.	Registration/ Renewal of farms	Number of certificates issued / renewed	30%	1800 farms	1620	1440	1260	1080									
		Inspection of farms by team authorized by Coastal Aquaculture Authority and approved by CAA	Approvals for <i>L.vannamei</i> culture	Number of approvals	30%	200	180	160	140	120									

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

Column 1 Objective	Column 2 Weight	Column 3 Actions	Column 4 Success indicators	Column 5 Unit	Column 6 Weight	Column 6 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 Registration	15%	70 hatcheries with	63 hatcheries	56 hatcheries	49 hatcheries	42 hatcheries
4. Conducting Awareness programs		By officers of Coastal Aquaculture Authority with State Representatives	Conducting Awareness programs	Number of programs	5%	10	9	8	7	6
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 2010-11	Actual value for the FY 2011-12	Actual value for the FY 2012-13	Actual value for the FY 2013-14	Target value for the FY 2014-15	Projected value for the FY 2015-16	Projected value for the FY 2016-17
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.	Registration / Renewal of coastal aquaculture farms on the basis of the recommendations by District and State level Committees after inspecting the farms.	Number of farms registered/renewed	Number of certificates issued / renewed	2857	1236	1835	1691	1800	1800	1800
2. Approvals for L.vanamei culture	Inspection of farms by team authorized by Coastal Aquaculture Authority and approval by the CAA	Number of approvals issued for L.vanamei culture	Number of Letter of Permission issued	168	193	334	101	200	200	200



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### Section 3: Trend Value for Success Indicators

Objective	Actions	Success indicators	Unit	Actual value for the FY 2010-11	Actual value for the FY 2011-12	Actual value for the FY 2012-13	Actual value for the FY 2013-14	Target value for the FY 2014-15	Projected value for the FY 2015-16	Projected value for the FY 2016-17
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	0	50	31	12	70	50	5
4. Conducting Awareness programs	By officers of Coastal Aquaculture Authority with State Representatives/ CIBA / NFDB	Conducting Awareness programs	Number of programs	5	9	5	4	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 No. of visits to hatcheries	253 57	194 178	431 179	101 82	400 200	400 200	400 200

## 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 / Renewal of shrimp farms – <b>Number of Registrations / Renewals</b>	Registration / Renewal 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 – <b>Number of Farms</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.	Conducting Awareness Programmes - <b>Number of awareness programmes conducted</b>	Number of awareness programmes are conducted by CAA officials to farmers / DLC / SLC.
5.	Inspection and Monitoring of Farms and Hatcheries – <b>Number of Inspections and Monitoring held</b>	Number of Farms / Hatcheries are inspected/monitored by CAA Inspection Team for compliance with Guidelines.

## **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.

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**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 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	Projected for the FY 2014-15	Projected for the FY 2015-16	Projected for the FY 2016-17
1.	Registration / Renewal of farms	District Level Committees and State Level Committees of coastal States and Union Territories	Number of farms legally permitted for coastal aquaculture	2857	1236	1835	1691	1800	1800	1800
2.	Approvals for <i>L. vannamei</i> culture	Inspection Committee is headed by CAA with representatives from DAHD&F, NFDB and Fisheries Departments of States.	Increase in <i>L. vannamei</i> production	18247 tonnes	80717 tonnes	123000 tonnes	263346* tonnes	300000 tonnes	300000 tonnes	300000 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 potential seed production for supply to farmers	21 million	53 million	31 million	12 million	70 million	50 million	50 million