



Results-Framework Document (RFD)

for

Central Institute of Fisheries Education (2014 – 2015)

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Section 1: Vision, Mission, Objectives and Functions

Vision

To be a world class organisation providing leadership in fisheries education and research

Mission

To achieve academic and research excellence by creating state-of-the-art infrastructure and attracting globally competent faculty and students.

Objectives

1. To conduct academic programs for HRD
2. To conduct basic and strategic research in emerging areas of fisheries science
3. To conduct training programs in fisheries sector

Functions

- To attend to matters relating to all aspects of higher education in fisheries science, research and training
- To participate in national and international collaborations
- To participate in national and international conferences, associations and other bodies dealing with fisheries research and education
- To identify researchable issues, planning strategies and action plans to realize the vision and mandate of the institute

Section 2: Inter se priorities among Key Objectives, Success Indicators and Targets

S. No.	Objectives	Weight	Actions	Success Indicators	Unit	Weight	Target / Criteria Value				
							Excellent	Very Good	Good	Fair	Poor
							100%	90%	80%	70%	60%
1	To conduct academic programs for HRD	45	HRD in specialized disciplines	No. of students passed	Number	45	82	80	78	76	74
2	To conduct basic and strategic research in emerging areas of fisheries science	15	Aquaculture production enhancement	Culture of <i>Pangasius / L. vannamei</i> and other suitable fish in farmers' fields in inland saline soils	Date	2	25/03/2015	26/03/2015	27/03/2015	28/03/2015	29/03/2015
			Development of molecular markers for stock identification	Development of microsatellite markers in <i>Clarias batrachus</i>	Number	2	15	12	9	6	3
			Bio-diversity conservation and management	Development of bio-diversity indices and categorisation of species	Number of explorations	2	15	12	9	6	3
				DNA barcoding of fish	Number	2	72	60	48	36	24

			To delineate physio-metabolic and immune response of fish to dietary nutraceuticals	Enhancement in growth and immunity of fish	Date	2	25/03/2015	26/03/2015	27/03/2015	28/03/2015	29/03/2015
				Gene expression in relation to growth and immunity of fish	Number	1	3	2	1	-	-
			Post harvest and value addition	Fish based value added products	Number	2	3	2	1	-	-
			Surveillance of aquatic animal diseases	Screening of shrimp farms for disease status (for selected viruses)	Number of farms screened	2	20	18	16	14	12
3	To conduct training programs in fisheries sector	20	Training and skill up-gradation	Number of persons trained	Number	20	1020	850	680	510	340
*	Publication/ Documentation	5	Publication of the research articles in the journals having the NAAS rating of 6.0 and above	Research articles published	Number	3	60	54	48	42	36
			Timely publication of the Institute Annual Report (2013-2014)	Annual Report published	Date	2	30.6.2014	02.07.2014	04.07.2014	07.07.2014	09.07.2014
*	Fiscal resource management	2	Utilization of released plan fund	Plan fund utilized	%	2	98	96	94	92	90

Efficient Functioning of the RFD System	3	Timely submission of Draft RFD 2014-2015 for approval	On-time submission	Date	2	May 15, 2014	May 16, 2014	May 19, 2014	May 20, 2014	May 21, 2014
		Timely submission of Results for 2013-2014	On-time submission	Date	1	May 1, 2014	May 2, 2014	May 5, 2014	May 6, 2014	May 7, 2014
Enhanced Transparency / Improved Service Delivery of Ministry/ Department	3	Rating from Independent Audit of Implementation of Citizen's / Client's Charter (CCC)	Degree of implementation of commitments in CCC	%	2	100	95	90	85	80
		Independent Audit of implementation of Grievance Redress Management (GRM) system	Degree of success in implementing GRM	%	1	100	95	90	85	80
Administrative Reforms	7	Update departmental strategy to align with revised priorities	Date	Date	2	Nov. 1, 2014	Nov. 2, 2014	Nov. 3, 2014	Nov. 4, 2014	Nov. 5, 2014
		Implementation of agreed milestones of approved Mitigating Strategies for Reduction of potential risks of corruption (MSC)	% of implementation	%	1	100	90	80	70	60
		Implement agreed milestones for implementation of ISO 9001	% of implementation	%	2	100	95	90	85	80
		Implementation of agreed milestones of approved Innovation Action Plans (IAPs)	% of implementation	%	2	100	90	80	70	60

Section 3 – Trend Values of the Success Indicators

S. No.	Objectives	Actions	Success Indicators	Unit	Actual Value for FY 12/13	Actual Value for FY 13/14	Target Value for FY 14/15	Projected Value for FY 15/16	Projected Value for FY 16/17
1	To conduct academic programs for HRD	HRD in specialized disciplines	No. of students passed	Number	84	81	80	84	84
2	To conduct basic and strategic research in emerging areas of fisheries science	Aquaculture production enhancement	Culture of <i>Pangasius / L. vannamei</i> and other suitable fish in farmers' fields in inland saline soils	Date	-	-	26.03 2015	26.03 2016	26.03 2017
		Development of molecular markers for stock identification	Development of microsatellite markers in <i>Clarias batrachus</i>	Number	8	12	12	15	20
		Bio-diversity conservation and management	Development of bio-diversity indices and categorisation of species	Number of explorations	10	15	12	15	15
			DNA barcoding of fish	Number	20	55	60	65	70

		To delineate physio-metabolic and immune response of fish to dietary nutraceuticals	Enhancement in growth and immunity of fish	Date	-	-	26.03 2015	26.03 2016	26.03 2017
			Gene expression in relation to growth and immunity of fish	Number	-	-	2	3	3
		Postharvest and value addition	Fish based value added products	Number	2	2	2	3	3
		Surveillance of aquatic animal diseases	Screening of shrimp farms for disease status (for selected viruses)	No of farms screened	-	5	18	20	22
3	To conduct training programs in fisheries sector	Training and skill up-gradation	Number of persons trained	Number	777	1352	850	920	940
*	Publication/Documentation	Publication of the research articles in the journals having the NAAS rating of 6.0 and above	Research articles published	Number	66	73	73	75	80
		Timely publication of the Institute Annual Report (2013-2014)	Annual Report published	Date	-	-	02.07.2014	-	-
*	Fiscal resource management	Utilization of released plan fund	Plan fund utilized	%	99.81	99.13	96	96	96

	Efficient Functioning of the RFD System	Timely submission of draft RFD 2014-2015 for approval	On-time submission	Date	-	-	May 16, 2014	-	-
		Timely submission of Results for 2013-2014	On-time submission	Date	-	-	May 2, 2014	-	-
	Enhanced Transparency / Improved Service Delivery of Ministry/ Department	Rating from Independent Audit of Implementation of Citizen's / Client's Charter (CCC)	Degree of implementation of commitments in CCC	%	-	-	95	-	-
		Independent Audit of implementation of Grievance Redress Management (GRM) system	Degree of success in implementing GRM	%	-	-	95	-	-
	Administrative Reforms	Update departmental strategy to align with revised priorities	Date	Date	-	-	Nov. 2, 2014	-	-
		Implementation of agreed milestones of approved Mitigating Strategies for Reduction of potential risks of corruption (MSC)	% of implementation	%	-	-	90	-	-
		Implement agreed milestones for implementation of ISO 9001	% of implementation	%	-	-	95	-	-
		Implementation of agreed milestones of approved Innovation Action Plans (IAPs)	% of implementation	%	-	-	90	-	-

Section 4 (a): Acronyms

S. No.	Acronym	Description
1	HRD	Human Resource Development
2	DNA	De-oxy Ribonucleic Acid
3	M. F. Sc.	Master of Fisheries Science
4	Ph. D.	Doctor of Philosophy
5	CIFE	Central Institute of Fisheries Education
8	SRF	Senior Research Fellow
7	ICCR	Indian Council for Cultural Relations
8	UGC	University Grants Commission
9	DBT	Department of Biotechnology
10	NAIP	National Agricultural Innovation Project
11	NFDB	National Fisheries Development Board
12	ARS	Agricultural Research Service
13	SAUs	State Agricultural Universities

14	CAUs	Central Agricultural Universities
15	DST	Department of Science and Technology
16	DAE	Department of Atomic Energy
17	ICAR	Indian Council of Agricultural Research
18	CAFT	Centre for Faculty Training

Section 4 (b): Description and definition of success indicators and proposed measurement methodology

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
1	No. of students passed	Trained human resource in specialized disciplines of Fisheries Science	M.F.Sc. and Ph.D. students	No. of students passed out	-
2	Culture of <i>Pangasius / L. vannamei</i> and other suitable fish in farmers' fields in inland saline soils	Inland saline soils are not fit for agriculture but can be utilized for aquaculture	Culture of fish species in inland saline water in farmers' fields	Date	-
3	Development of microsatellite markers in <i>Clarias batrachus</i>	Microsatellite markers are useful tool for stock characterization	Microsatellite markers development for stock characterization	Number	-
4	Development of bio-diversity indices and categorization of species	Biodiversity assessment for stock evaluation	Biodiversity assessment for conservation	Number of explorations	-
5	DNA barcoding of fish	DNA barcodes help in identifying a species	DNA sequences are generated as barcodes	Number	-
6	Enhancement in growth and immunity of fish	Nutraceuticals incorporation in feed helps in growth and immunity of fish	Effect of nutraceuticals on growth and immunity of fish	Date	-
7	Gene expression in relation to growth and immunity of fish	Different levels of carbohydrates affect the expression of growth and immune related genes in <i>Labeo rohita</i>	Effect of carbohydrate on the expression of growth and immune related genes	Number	-

8.	Fish based value added products	Fish based value added products will be prepared.	Development of Ready-to-cook Masala fish steaks by Cook-Chill process, <i>Acetes</i> based extruded product and fish mince based product fortified with chitosan	Number	-
9	Screening of shrimp farms for disease status (for selected viruses)	Screening of shrimp farms for disease for selected viruses	Shrimp samples will be collected from farms in Maharashtra and Gujarat and will be analyzed in the laboratory for viruses.	No. of farms screened	-
10	Number of persons trained	Training of stakeholders in different aspects of fisheries.	Training for skill development	Number	-

Section 5: Specific performance requirements from other departments that are critical for delivering agreed results

Location Type	State	Organization Type	Organization Name	Relevant Success Indicator	What is your requirement from this organization	Justification for this requirement	Please quantify your requirement from this organization	What happens if your requirement is not met
Central Government	Andhra Pradesh	Government	National Fisheries Development Board, Hyderabad	Screening of shrimp farms for disease for selected viruses	Financial support	Funding is required for consumables, equipment, travel, specimen collection and salary for research fellows	149.70 lakh	The project has already been approved and work is initiated

Section 6: Outcome/Impact of activities of Department/Ministry

S. No.	Outcome/Impact	Jointly responsible for influencing this outcome/impact with the following organizations/ dept(s)/ministry(ies)	Success Indicator(s)	Unit	2012-2013	2013-2014	2014-2015	2015-2015	2016-2017
1	Qualified human resources developed at CIFE are contributing overall growth of fisheries in the country. Ph.D. research leads to advancement of knowledge of fisheries science which has immediate & long term, effect on enhancing fish production and advancement of fisheries sector of the country.	ICCR, UGC, DBT etc.	Passed out students are well placed in ARS (30 %), SAU's (15%), state govt. departments (22%), banks (10%), private industry (8%), entrepreneurship (5%), as SRF (5%) and studying abroad (5%)	Number	84	81	82	82	82
2	Trainings conducted for farmers have resulted in enhancement of their skill and subsequent growth in fish production. CAFT & summer/winter schools improved the teaching and research capabilities of the faculty working in ICAR/SAU/CAUs.	NAIP, NFDB etc.	Enhanced skill development and job opportunities in fisheries sector	% improvement	47	48	50	50	50

3	Research and technology development as well as consultancy services will lead to enhanced production and productivity of fish. Publications which are the results of research work carried out by students and faculty lead to dissemination of technologies.	NAIP, DST, Ministry of Earth Sciences, DBT, NFDB, DAE, etc.	Number of technologies developed and demonstrated/ patents/ copyrights	Number	2	2	2	2	2
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