FLD1: Demonstration on stunted fingerlings production in biofloc culture system

Crop:Fish

Thrust Area: Round the year quality seed availability

Thematic Area: Biofloc culture

Season: Round the year

Farming Situation: 10 Ton tanks cement concrete/ plastic tarpaulin outdoor installed with agro shade net house

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Fish seed	05 units	**FP**- Production of low-cost air-breathing fishes in biofloc **RP**-Stocking of 10,000 nos. of mixed carp advance frys or early fingerlings in a biofloc tank of 10 ton capacity with a production potential of 4,000 nos. (200kg) of bigger size stunted fingerlings within 3 months of culture period	Survival rate (%), Growth rate, disease incidence (%)	Fish advance fry/early fingerling											05

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T

Training	Package of practices of biofloc fish farming	1	F&FW	01	Off										25
Field day	IMC fingerlings raising in BFTs	1	F&FW	01	Off										50

FLD2: Demonstration of Genetically Improved (GI) catla in composite carp culture

Crop:Fish

Thrust Area: To maximize yield by substituting traditional catla with GI catla

Thematic Area: Species diversification

Season: Round the year

Farming Situation: Small to medium size pond, rainfed/canalfed sandy loam soil

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Fish (Fishery)	6.0 ha, 20 units	FP-Culture of traditional catla in composite carp culture RP-Incorporation of GI-catla in composite carp culture with species ratio :- GI-Catla: Rohu: Mrigal::3:4:3 @ 10000 nos/ha.	Length & Weight, FCR, Growth rate, Plankton density, BC ratio	GI catla fingerlings											20

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T

Training	Demonstration of Genetically Improved (GI) catlain composite carp culture	1	F&FW	01	Off										25

FLD3: Demonstration of CIFA- carp grower fish feed

Crop: Fish

Thrust Area: Proper nutrition of fish for maximizing fish yield

Thematic Area: Production and management

Season: Round the year

Farming Situation: Use of traditional oilcake-bran mixture as fish feed (2-5% of biomass daily)

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Fish	2.0ha	FP-Use of traditional oilcake-bran mixture as fish feed (2-5% of biomass daily) RP-Use of cost-effective CIFA-carp grower floating fish feed (1-3% of biomass daily)	Survivability (%), SGR, ABW during harvest, FCR, Yield (q/ha), Net return(Rs.), BC ratio	CIFA carp grower fish feed											5

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T

Training	Supplementary feed management in fish ponds	1	F&FW	01	Off									25
Training	Pre & post-stocking management of nursery and grow-out ponds	1	F&FW	01	Off									25
Field day	Use of CIFA- carp grower feed in fish ponds	1	F&FW	01	Off									50

FLD4: Demonstration on poultry breed Kalinga Pallishree in backyard

Breed: **Poultry- Kalinga Pallishree**

Thrust Area: To emphasize on entrepreneurship development

Thematic Area: Income generation

Season: Round the year

Farming Situation: Semi intensive poultry farming. Backyard, Free ranging

Sl. No.	**Crop & variety / Enterprises**	**Proposed Area (ha)/ Unit (No.)**	**Technology package for demonstration**	**Parameter (Data) in relation to technology demonstrated**	**Cost of Cultivation (Rs.)**			**No. of farmers / demonstration**								
								SC		**ST**		**Other**		**Total**		
					Name of Inputs	**Demo**	**Local**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
1	Poultry	10 (1000 chicks)	FP-Rearing of Vana raja breed without proper management RP-Rearing of Kalinga Pallishree chicken breed with proper brooding management for 21 days followed by	Average Body weight in 6months in (Kg), No. of egg, chicks' mortality	Poultry Chick, feed									0	10	10

			free range feeding													

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Field Day on Backyard poultry management	1	F&FW	01	Off									40
Training	Semi-intensive backyard Poultry management	1	F&FW	01	Off									30

OFT 1

i	**Title of the OFT**	:	Assessment of growth performance of sea bass and GIFT Tilapia polyculture with IMC in shrimp pond
ii	**Season**	:	Rabi 2025-26
iii	**Thematic Area**	:	Production management
iv	**Problem diagnosed**	:	Underutilization of shrimp pond after the harvest or IMC only
v	**Production system**	:	Pond based
vi	**Micro farming situation**	:	Irrigated low land
vii	**Technology for Testing**	:	Growth performance of sea bass and GIFT Tilapia polyculture with IMC in shrimp pond
viii	**Existing Practice**	:	Under utilization of shrimp pond after the harvesting (dry phase)
ix	**Objective(s)**	:	To assess the growth performance of sea bass and GIFT Tilapia polyculture with IMC in shrimp pond
x	**Treatments**	:	FP: Under utilization of shrimp pond after the harvesting (dry phase) TO1: IMC with additional Stocking of sea bass seed (10%) TO2: IMC with additional Stocking of GIFT Tilapia(10%) TO3: IMC with additional Stocking of sea bass (5%)+ GIFT Tilapia(5%)
xi	**Critical Inputs**	:	Seabass, GIFT Tilapia
xii	**Unit Size (ha)**	:	0.4 ha
xiii	**No of Replications**	:	06
xiv	**Monitoring Indicator**	:	SGR (%) , SR (%),Yield(q/ha), B:C
xv	**Source of Technology (ICAR/AICRP/SAU/ Other, please specify)**	:	TO1,TO2-**:** ICAR-CIBA,2017 TO3-KAU,2016

OFT 2

xvi	**Title of the OFT**	:	**Assessment of different ICAR developed anti-ectoparasitic formulations to treat Anchor worm & carp lice (Code:23OFS05(Y)*)**
xvii	**Season**	:	Rabi 2025-26
xviii	**Thematic Area**	:	Disease management
xix	**Problem diagnosed**	:	Low yield from composite carp culture due to frequent infestation of *Lernaea* & *Argulus* on body surface of carps
xx	**Production system**	:	Pond based
xxi	**Micro farming situation**	:	Small to medium tanks, Alluvial, Rain/ canal fed
xxii	**Technology for Testing**	:	Use of different ICAR developed anti-ectoparasitic formulations to eradicate Anchor worm & carp lice

xxiii	**Existing Practice**	:	Use of only inorganic pyrethroids like Cypermethrin 10% EC / Deltamethrin 2.8% EC@ 0.01 ppm
xxiv	**Objective(s)**	:	To assess the different ICAR developed anti-ectoparasitic formulations to treat Anchor worm & carp lice
xxv	**Treatments**	:	FP: Use of only inorganic pyrethroids like Cypermethrin 10% EC / Deltamethrin 2.8% EC@ 0.01 ppm TO1: Ivermectin 2% w/w in fish feed @ 250ppm & fed to the fishes for 4-5 days TO2: Application of CIFRI- Argcure (DANAV / TANDAV) @ 40 ml/acre-m/dose in 3 doses in weekly intervals TO3 M check and L check , M check 400ml/acre/m followed by L check400ml/acre/m after 4-5 hr
xxvi	**Critical Inputs**	:	ICAR developed medications
xvii	**Unit Size (ha)**	:	0.4ha
xviii	**No of Replications**	:	8
xxix	**Monitoring Indicator**	:	Disease incidence (%), Survivability(%), SGR, ABW during harvest, Cost saving (Rs.), BC ratio
xxx	**Source of Technology (ICAR/AICRP/SAU/ Other, please specify)**	:	TO1-**:** ICAR-CIFA, Bhubaneswar (2015) TO2- ICAR-CIFRI, Barrackpore (2023) TO3-ICAR, CIFA,2024

Category (Fishery Sc)	**No. of Trainings**	**No. of days**	**No. of participants**
Farmers Farmwomen	9	9	270
Rural youth	6	22	120
In-service	2	4	40
Category (Animal Sc)			
Farmers Farmwomen	4	4	120
Rural youth	3	6	60

RF				
Fish	Stunted yearlings	Ponds	Seeds	3.0
	Amur carp fingerlings		Seeds	10000 nos
	Mixed carp frys		Juveniles	817000 nos

	JayantiRohu fingerlings		Seeds	10000 nos
	GIFT mono-sex tilapia fingerlings		Seeds	3000 nos
	Colour fish		Fish	3000 nos
	Stunted fingerlings		Seed	20000 nos
	Fish		Table sized	20.0 q