

3 Days Skill Development Programmes (SKD)

(a) Introduction:

Training, Skill Development and Capacity Building have been an integral part of fisheries development, especially with respect to adoption of new and innovative technologies by fishers, fish farmers and other stakeholders in all fisheries related activities both marine and inland. Keeping in view the broad spectrum of the training needs, a range of Institutions within and outside the fisheries discipline are required to meet the growing skill needs of the sector. The Central Institutes, State Department of Fisheries, Krishi Vigyan Kendras (KVK's), Fisheries Research Stations and various State Agricultural and Fisheries Universities etc. were selected as Implementing Agencies for providing skill development trainings to the beneficiaries.

(b) Objectives:

To increase the fish production in the country by providing new skills and knowledge to the fish farmers by conducting training programmes in the topics like Freshwater carp culture, Composite fish culture, Integrated fish farming, Cage and Pen culture, Backyard RAS, Cryopreservation, Fish seed production, Hatchery management, Hygienic handling, and fish quality testing, Cold water fisheries, Inland cage culture, Wetland fisheries development, Community tank management for enhancing fish production, Ornamental fisheries, Quality seed network and dissemination of seed of improved varieties etc.

(c) Technical Details:

Duration of Training programme: 3 Days

No. of Participants: 50

Participants: BR Beneficiaries/ Fish Farmers/ Entrepreneurs/ NGO's etc.

Unit cost: Rs. 1.25 lakhs per batch

(d) Status:

In the financial year 2019-20, NFDB was funded for the 238 no. of 3- days Skill Development training Programmes and the 11849 no. of participants were trained and the Implementing Agency wise breakup of the training programmes are as follows:

Sl. No	State/ Organisation	Name of the Implementing Agency	Training Topics	No. of Programmes	No. of Trainees
1.	Andhra Pradesh	CoF, Andhra Pradesh	<ul style="list-style-type: none"> • Skill upgradation on aqua lab techniques • Innovative techniques in aquaculture and pond management • Aquaculture pond management systems • Enhancing productivity production in reservoirs • Enhancing productivity production in brackish water ponds • Processing/value addition • Cage & Pen culture • Shrimp farming • Composite fish culture • Brackish water fin fish and shell fish aquaculture • Quality fish seed production and stocking • Community tank management for fish production • Best management practices in shrimp farming • Reservoir fisheries development • Quality fish seed production • Reservoir development scheme • Fresh water – carp culture • Quality fish seed production & composite fish culture • Fresh water carp culture & quality seed production • Reservoir fisheries development & cage culture 	20	1000
2.	Andhra Pradesh	APSSDC, Andhra Pradesh	<ul style="list-style-type: none"> • Prawn export processing • Sea weed cultivation • Value addition to aqua products, solar drying/pickle making 	13	660

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3.	Arunachal Pradesh	DoF, Arunachal Pradesh	<ul style="list-style-type: none"> • Composite fish farming • Fresh water carp culture and breeding management • Training and demonstration on fresh water carp culture 	4	200
4.	Assam	DoF, Assam	<ul style="list-style-type: none"> • Freshwater carp culture • Wetland management 	7	350
5.	Chattisgarh	DoF, Chattisgarh	<ul style="list-style-type: none"> • Freshwater carp culture • Composite fish culture • Integrated fish farming • Quality fish seed production • Community tank management for enhancing fish production • Reservoir fisheries development • Cage and Pen culture 	8	400
6.	Himachal Pradesh	DoF, Himachal Pradesh	<ul style="list-style-type: none"> • Reservoir fisheries carp culture • Cold water fisheries in H.P 	5	250
7.	Jammu Kashmir	DoF, Jammu Kashmir	<ul style="list-style-type: none"> • Community tank management for enhancing fish production 	2	100
8.	Kerala	DoF, Kerala	<ul style="list-style-type: none"> • Re-circulatory Aquaculture System (RAS) • Ornamental fisheries • Value addition of fish 	5	250
9.	Lakshdweep	DoF, Lakshdweep	<ul style="list-style-type: none"> • Safety, seamanship & navigation and marine engineering 	2	100
10.	Haryana	DoF, Haryana	<ul style="list-style-type: none"> • Integrated development and management of inland fisheries 	3	150
11.	Mizoram	Chakma DC, Mizoram	<ul style="list-style-type: none"> • Composite fish culture system 	6	287
12.	Manipur	DoF, Manipur	<ul style="list-style-type: none"> • Fish farm management and different types of freshwater fish culture systems 	4	200
13.	Maharashtra	DoF, Maharashtra	<ul style="list-style-type: none"> • Reservoir fisheries and pond culture 	6	300
14.	Nagaland	DoF, Nagaland	<ul style="list-style-type: none"> • Recent advances in aquaculture 	6	300
15.	Punjab	DoF, Punjab	<ul style="list-style-type: none"> • Intensive fish culture, processing and value addition in aquaculture 	3	150

Sl. No	State/ Organisation	Name of the Implementing Agency	Training Topics	No. of Programmes	No. of Trainees
			<ul style="list-style-type: none"> • Nutrition and food management in aquaculture and intensive aquaculture technologies • Freshwater carp culture, quality fish seed production and diversification in aquaculture 		
16.	Rajasthan	DoF, Rajasthan	<ul style="list-style-type: none"> • Fish breeding and seed rearing • Inland saline water aquaculture • Reservoir fisheries development • Fish cage culture • Freshwater pearl culture • Freshwater carp culture 	11	550
17.	Tripura	DoF, Tripura	<ul style="list-style-type: none"> • Cage & Pen Culture • Composite fish culture • Community tank management for enhancing fish production • Integrated fish farming 	12	575
18.	Tripura	Rudrasagar, Tripura	<ul style="list-style-type: none"> • Composite fish culture 	3	150
19.	Uttar Pradesh	DoF, Uttar Pradesh	<ul style="list-style-type: none"> • Re-circulatory Aquaculture System (RAS) • Brackish water fish/shrimp farming • Fresh water carp culture • Quality fish seed production • Reservoir fisheries development 	5	250
20.	Andhra Pradesh	KVK, YSRHU	<ul style="list-style-type: none"> • Induced breeding of carps and nursery management • Integrated fisheries cum poultry cum horticulture systems • Preservation and value added aqua products 	3	150
21.	Andhra Pradesh	FRS, Undi	<ul style="list-style-type: none"> • Advanced culture technique in fresh water aquaculture for profitability and sustainability • Empowerment of women through value added fish products 	5	250

Sl. No	State/ Organisation	Name of the Implementing Agency	Training Topics	No. of Programmes	No. of Trainees
22.	Assam	Assam Agricultural University, Assam	<ul style="list-style-type: none"> • Promotion on rural livelihood through composite fish culture system 	3	150
23.	Chattisgarh	KVK, Raipur	<ul style="list-style-type: none"> • Carp brood stock management and quality seed productions 	2	100
24.	Maharashtra	KVK, Baramathi	<ul style="list-style-type: none"> • Aquaculture for farm pond • Production of IMC and Chinese carps • Ornamental fish farming for entrepreneurship development • Importance and production of different types of fish feed material • Production and rearing of Gift Tilapia breed. 	5	250
25.	Maharashtra	VAMNICOM, Maharashtra	<ul style="list-style-type: none"> • National workshop on marketing fish and fish products • Training programme on inland fishery cooperative management • Training on marine fishery management • Trainers training programme for the faculty involved in training of fishery sector 	4	200
26.	Manipur	KVK, NEH Manipur	<ul style="list-style-type: none"> • Integrated fish farming • Cage and Pen culture • Quality fish seed production • Composite fish culture • Freshwater carp culture 	6	300
27.	Mizoram	ZOFISHFED, Mizoram	<ul style="list-style-type: none"> • Composite fish culture • Cage aquaculture in reservoirs • Integrated aquaculture 	8	400
28.	Odisha	Kailash Fisheries Aquatics	<ul style="list-style-type: none"> • Culture, breeding and seed production of freshwater carp culture including composite fish culture • Culture, breeding and seed production of amur common carp 	8	400

Sl. No	State/ Organisation	Name of the Implementing Agency	Training Topics	No. of Programmes	No. of Trainees
			<ul style="list-style-type: none"> • Fish health management, prevention and control of important fish diseases 		
29.	Telangana	KVK, Bellampalli	<ul style="list-style-type: none"> • Freshwater carp culture • Value addition (fisheries)-women 	2	100
30.	Telangana	KVK, Rudrur	<ul style="list-style-type: none"> • Community tank management for enhancing fish production • Composite fish culture • Integrated fish farming 	3	150
31.	Telangana	KVK, Kampasagar	<ul style="list-style-type: none"> • Freshwater carp culture 	2	100
32.	Telangana	FRS, Palair	<ul style="list-style-type: none"> • Reservoir fisheries management • Fish processing and value addition • Inland cage culture • Pen culture in reservoirs and other water bodies 	5	250
33.	West Bengal	KVK, Shyasya samala	<ul style="list-style-type: none"> • Re-circulatory Aquaculture System (RAS) • Catfish culture and seed production • Bhetki (<i>Lates calcarifer</i>) farming • Integrated fish farming 	4	200
34.	West Bengal	KVK, Dhanyaganga	<ul style="list-style-type: none"> • Integrated fish farming • Wetland management • Community tank management for enhancing fish production • Composite fish culture • Post-harvest management • Fresh water carp culture 	12	600
35.	West Bengal	WBUAFS	<ul style="list-style-type: none"> • Best management practices in freshwater fish farming • Best management practices in fish seed production • Best management practices in shrimp farming • Disease management in fish and shrimp 	6	300

Sl. No	State/ Organisation	Name of the Implementing Agency	Training Topics	No. of Programmes	No. of Trainees
			<ul style="list-style-type: none"> • Best management practices for fishery in wetland • Best management practices in monosex tilapia farming 		
36.	West Bengal	WAB Ramnagar	<ul style="list-style-type: none"> • Shrimp farming 	2	100
37.	National Organization	ICAR-CIFA	<ul style="list-style-type: none"> • Fish diseases management in freshwater • Fish health management • Advanced aquaculture technologies for doubling farm income • Skill development programme on improved carp polyculture • Best management practices in fish farming • Skill development programme on fish culture as an income generation activity • Ornamental fish farming with special reference to Northern India • Disease surveillance and management in freshwater fish culture • Skill development programme in Fish health management and disease diagnosis for sustainable aquaculture • Fish feed technology and feed management for carp nursery and grow out ponds • Advanced aquaculture technologies for doubling farm income • Skill development programme in fish health management and prophylactic control measures • Skill development programme in Fish health management and 	12	587

Sl. No	State/ Organisation	Name of the Implementing Agency	Training Topics	No. of Programmes	No. of Trainees
			disease diagnosis for sustainable aquaculture • Freshwater pearl farming-an emerging profitable venture for everybody		
38.	National Organization	ICAR-CIFRI	<ul style="list-style-type: none"> • Inland ornamental fisheries management for income generation • Inland fisheries management for livelihood improvement • Beel fisheries management • Enclosure culture (Cage and Pen) for inland fisheries management • Canal fisheries development for income generation of the fishers • Wetland fisheries management 	12	600
39.	National Organization	CSIR-CSMCRI, Gujarat	• Seaweed cultivation and dissemination of farming along the Southeast coast of India	6	300
40.	National Organization	ICAR-NBFGR, Lucknow	• Re-circulatory Aquaculture System (RAS)	3	140
Total				238	11849



3 day SKD programme on freshwater carp culture at Shibnagar, Domcol, West Bengal



3 days SKD programme on fish processing and value addition at Fisheries Research Station, Palair, Khammam, Telangana



Field visit during the 3 day SKD programme on Beel fisheries management for livelihood improvement at ICAR-CIFRI, Regional Centre, Guwahati



3 day SKD programme on recent advances in aquaculture at Mokokchung District, Nagaland



Pickle preparation by women farmers during the 3 day SKD programme on value addition in fisheries at KVK, Bellampalli, Telangana



Field visit by women beneficiaries during the 3 day SKD programme on seaweed cultivation at CSMCRI-MARS Mandapam Camp