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GUIDELINES ON

TRAINING AND CAPACITY BUILDING IN FISHERIES AND AQUACULTURE

Government of India
Ministry of Fisheries, Animal Husbandry and Dairying
Department of Fisheries

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List of Abbreviations

AAP	Annual Action Plan
ASCI	Agriculture Skill Council of India
ATMA	Agricultural Technology Management Agency
DA	Daily Allowance
DAHD	Department of Animal Husbandry and Dairying
DLC	District Level Committee
DOF	Department of Fisheries
DoFS	Department of Forest Services
EEI	Education Extension Institutes
EoI	Expression of Interest
FFPO	Fish Farmer Producer Organisation
FTC	Farmers Training Centres
ICAR	Indian Council of Agricultural Research
ICT	Information and Communication Technology
KVK	Krishi Vigyan Kendra
MA	Market Aggregators
MIS	Management Information System
MoAFW	Ministry of Agriculture and Farmers' Welfare
MoRD	Ministry of Rural Development
NABARD	National Bank for Agriculture and Rural Development
NFDB	National Fisheries Development Board
NPC	Nodal Programme Coordinator
NSDA	National Skill Development Agency
PMMSY	Pradhan Mantri Matsya Sampada Yojana
RAS	Recirculatory Aquaculture Systems
SAMETI	State Agricultural Management And Extension Training Institute
SAU	State Agriculture Universities
SCP	Self-Contained Proposal
TA	Travelling Allowance
ToT	Training of Trainers

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Training and Capacity Building in Fisheries and Aquaculture

1. Introduction

- 1.1 The Fisheries sector in India has demonstrated immense progress over the last decade, sustaining an average growth rate of 10.87% from 2014-15 to 2018-19. Further, fish production in India has registered an all-time high of 141.64 lakh metric tons during 2019-20.
- 1.2 Recognizing the potential of the fisheries sector as a powerful source of food, nutrition, employment and income, the Government of India launched a new flagship scheme, Pradhan Mantri Matsya Sampada Yojana (PMMSY), aimed at catalyzing the sustainable and inclusive development of the sector.
- 1.3 PMMSY has been approved at a total estimated investment of Rs. 20,050 crore comprising of Central share of Rs. 9407 crore, State share of Rs. 4880 crore and Beneficiaries' contribution of Rs. 5763 crore.

2. Need for Training and Capacity Building

- 2.1 PMMSY aims to address critical gaps in fish production and productivity, quality, technology, post-harvest infrastructure and thereby, modernize and strengthen the fisheries' value chain, establish a robust fisheries management framework and secure fisher's welfare. PMMSY also aims to empower youth and women through capacity building, innovation and entrepreneurship.
- 2.2 Given this extensive scope, there is an emerging need to enhance awareness on PMMSY, its guidelines and its provisions amongst various stakeholders across the country to promote uptake and engagement with the scheme.
- 2.3 Further, PMMSY supports technology infusion in aquaculture with provision of Re-Circulatory Aquaculture Systems (RAS), Biofloc & Sea Cages, quality improvement in fish production with quality seed and aquatic health management, enhanced post-harvest management with ice plants and value-added enterprises etc. Moreover, PMMSY also intends to facilitate adoption of modern equipment and technologies in capture fisheries – both marine and inland sectors – which can catalyse an increase in the catch, reduce wastage (in harvesting and post-harvest management), and enable value addition and traceability from '*catch to consumer*'.
- 2.4 Against this context, skill development and skill upgradation are essential for enabling uptake of modern aquaculture, capture fishing and post-harvest management practises for enhancing the fish production and productivity and reducing post-harvest losses.
- 2.5 To address the aforementioned needs, PMMSY lays special focus on Training, skill development, skill upgradation and capacity building through trainings, awareness building programmes and exposure visits to stakeholders especially fishers, fish farmers, fish workers, fish vendors, entrepreneurs, *Sagar Mitras*, fisheries Department & allied Department officials & staff, Cooperatives, FFPO (Fish Farmer Producer Organization) members etc.
- 2.6 Moreover, PMMSY also intends to sensitize farmers to encourage them to take up aquaculture activities in addition to agriculture activities for enhanced income generation.

2.7 For amplifying outcomes, the PMMSY envisages forging of suitable convergence with Schemes and Programs of States/UTs, and the Central Government Ministries/Departments such as the Ministry of Agriculture and Farmers' Welfare (MoAFW), Department of Agricultural Research and Education, Ministry of Food Processing Industries, Ministry of Rural Development (MoRD), Department of Animal Husbandry and Dairying (DoAHD), National Bank for Agriculture and Rural Development (NABARD), Ministry of Ports, Shipping and Waterways, Ministry of Commerce and industries, Ministry of Skill Development and Entrepreneurship (MoSDE) etc.

3. Objectives

3.1 In alignment with the larger mandate of PMMSY, the primary objectives of training and capacity building, exposure, awareness, skill development and skill upgradation to:

- a) Improve the technical skills of fishers, fish farmers, fish workers, fish vendors and other stakeholders and facilitate uptake of modern technologies and culture practices amongst them.
- b) Provide exposure to fishers, fish farmers, fish workers, fish vendors and other stakeholders to understand latest technologies and good/best practices adopted in fisheries and aquaculture.
- c) Support skill development and create alternate employment opportunities for rural youth and women in the fisheries and aquaculture sector, post-harvest management and subsidiary industries.
- d) Strengthen fishermen & fisherwomen Cooperatives / Fish Farmer Producer Organizations (FFPOs) through promotion of Pool of Resource Persons at district level for regular facilitation.
- e) Enhance the institutional capacity of internal officials by building knowledge repositories of good practices.
- f) Leverage expert consultations to bring in state-of-the-art concepts and technology into the sector.
- g) Promote convergence between fisheries and agriculture allied sectors by encouraging farmers engaged in agriculture, horticulture, dairy, livestock etc. to take up aquaculture.
- h) Promote integrated fish farming practices

4. Strategy

4.1 A multi-pronged strategy will be adopted to achieve the envisioned objectives, as outlined below:

- Leverage the existing network of training institutions of relevance of ICAR, KVKs, Center and State/UT Governments, etc. including extension services.
- Adopt a coordinated approach and promote partnership, convergence and synergy with relevant stakeholders, including processing and marketing agencies in public as well as private sectors across national, state and sub-state levels.
- Adopt an end-to-end holistic approach to training and capacity building, covering subject matter from pre-production and production to post-harvest management, processing and marketing.
- Promote incubation and innovative technologies, adoption of best practices in production, post-harvest management and processing for value addition with a special focus on cold chain infrastructure for extending the shelf life of fish and fish products

- Promote FFPOs and their tie up with Market Aggregators (MAs) and Financial Institutions (FIs) to support adequate returns to fishers and fish farmers.
- Concurrent monitoring and evaluation of training targets through ICT enabled MIS

5. Beneficiaries

5.1 The target beneficiaries include:

- Fishers
- Fish Farmers
- Fish workers and Fish vendors
- Self Help Groups (SHGs)/Joint Liability Groups (JLGs) in fisheries sector
- Members of Fishermen & Fisherwomen Cooperatives
- Members of FFPOs, Sagar Mitras and Matsya Seva Kendras in the field of fisheries sector
- Agri and allied farmers intending to take up fisheries and aquaculture as additional source of income
- Department officials including middle and senior level field functionaries and extension officers
- Entrepreneurs and other stakeholders engaged or associated with fisheries sector including seaweed cultivation, ornamental fisheries and fisheries value chain

6. Implementing Agencies and Mode of Implementation

6.1 NFDB being the principal arm of Department of Fisheries, Government of India will function as National Nodal Agency and Implementing Agency for Training, Awareness, Exposure and Capacity Building including Skill development/upgradation Activities under PMMSY. NFDB will also collaborate with various other training implementation partners to achieve the overall objectives of PMMSY.

S. No	Categories	Partners	Few indicative institutes/agencies/ organizations*
1.	Central Government	Any Institute/agency/organization of GoI	ICAR KVKs, MANAGE of M/o A&FW, NCDC, LINAC, NPC, NABARD, Extension Education Institute (EEI) of ICAR, ASCI, CIFE, FISHCOPFED, MPEDA etc.
2.	State Government	Any Institute/agency/organization of State Government	State/UT Fisheries Department and their agencies, State Fisheries and Agriculture Universities/Colleges, etc.
3.	International Organizations/ Agencies	Specialized agencies/organizations/think-tanks/institutes working towards sustainable development of fisheries.	World Bank, ADB, FAO, BOBP-IGO, etc.

- 6.2 It may be noted that the list of Institute/Agency/Organization mentioned under section 6.1 is indicative only. NFDB may collaborate with any other reputed National/International/State level Institute/Agency/Organization based on their relevance and expertise.
- 6.3 NFDB will develop annual calendar for training, awareness, exposure and capacity building activities under PMMSY sponsored by it including requisite training and awareness modules, materials and panel of experts wherever required. Towards this end, NFDB will foster requisite collaborations with various Central and State/UT institution/agencies/organizations of relevance. The NFDB will design the training and awareness modules incorporating the topic, methodology, duration, venue and follow up activity etc. Indicative training modules are furnished in **Annexure – I**.
- 6.4 In addition to the above Institutes/Agencies/Organizations, NFDB may also empanel suitable Private Agencies/Institutes/Organizations as implementation partners for implementing training, awareness, and capacity building activities based on a set of parameters like availability of requisite infrastructure, competencies, domain knowledge, experience, financial capabilities etc.
- 6.5 Standalone proposals of Private Agencies/Institutes/Organizations for domestic exposure visits will not be supported. However, if they are inbuilt in project proposal for Training or Awareness or Capacity Building, the same may be supported based on absolute essentiality. Further, proposals of Private Agencies/Institutes/Organizations for international exposure visits in any form (i.e. standalone or inbuilt) will not be supported.
- 6.6 Government Institutes/Agencies/Organizations may mobilise additional resources beyond PMMSY for imparting Training, Awareness, Exposure and Capacity Building and implement in a convergence mode with PMMSY so as to cover maximum number of stakeholders.
- 6.7 Private Agencies/Institutes/Organizations are also encouraged to mobilise additional resources for imparting Training, Awareness, and Capacity Building including resources under Corporate Social Responsibility (CSR) programmes for amplifying outcomes.
- 6.8 On approval, an MOU will be executed between NFDB and the respective entity specifying mutually agreed upon terms and conditions.
- 6.9 Besides, on the recommendation of Central Apex Committee (CAC) of PMMSY, the Department of Fisheries, GoI may entrust Training, Awareness, Exposure and Capacity Building including skill development/upgradation activities to any of the Institute/Agency/Organization as indicated in the table 6.1 above directly on DPR/SCP mode based on its essentiality. In such scenario, these Institute/Agency/Organization will function as the Implementing Agencies for training, awareness, skill development/upgradation, capacity building under PMMSY.
- 6.10 The Department of Fisheries, Government of India may also entrust the implementation of training, awareness, exposure and capacity building activities to any other reputed national/state level institutions/agencies based on relevance.

- 6.11 NFDB and other implementing Agencies/implementing partners shall be responsible and accountable for proper implementation of the training or awareness or exposure or capacity building activities entrusted to them in order to achieve desired outcomes. NFDB will undertake overall coordination, monitoring and supervision of the programmes entrusted to various Institutions/Agencies/Organizations.
- 6.12 National level workshops, conferences and events will be organised by NFDB directly or through the identified Institutions/Agencies/Organizations as per requirement and expenditure will be limited to actuals.
- 6.13 In case of international programmes such as study tours, exposure visits, events, conferences etc., NFDB will design the activities as per the requirement which will be approved by CAC of PMMSY & DoF as a part of overall Annual Action Plan of NFDB. However, the costs will be limited to actuals. Anything above Annual Action Plan would require approval of CAC of PMMSY and DoF.
- 6.14 Central Fisheries Institutes and other Central organizations may also design need-based training modules that are not covered by NFDB.
- 6.15 State/UTs Fisheries Departments and their agencies during first year of implementation of PMMSY will organize awareness campaigns, seminars, and outreach programmes with the primary goal of familiarizing and popularizing the PMMSY scheme. From the second year of implementation of PMMSY onwards, the State/UTs Fisheries Departments and their agencies may undertake training, awareness, skill development, skill upgradation, capacity building programmes, workshops, exposure visits etc. under PMMSY either on their own or in collaboration with NFDB and various identified Institutions/Agencies as indicated in para - 6.1 above. Such SCPs (Self Contained Proposal) proposals should ordinarily be included as part of the State/UT PMMSY Annual Action Plan (AAP). Due attention shall be paid in earmarking specific targets for Scheduled Castes, Scheduled Tribes and women beneficiaries. State/UTs Fisheries Departments will be responsible for selection of beneficiaries for the training programmes.
- 6.16 Wherever required, States/UTs Fisheries Departments may conduct capacity needs assessment studies in order to assess institutional training requirements under PMMSY.
- 6.17 States/UTs are free to select any other Private Agencies/Institutes/Organizations as implementation partners for implementing training, awareness, and capacity building activities based on a set of parameters like availability of requisite infrastructure, competencies, domain knowledge, experience, financial capabilities etc. State/UTs may also utilise the services of NFDB empanelled Private Agencies/Institutes/Organizations (as indicated in para-6.4) as implementation partners for implementing training, awareness, and capacity building activities.
- 6.18 States/UTs may mobilise additional resources beyond PMMSY for imparting Training, Awareness, Exposure and Capacity Building and implement in a convergence mode with PMMSY so as to cover maximum number of stakeholders.
- 6.19 States/UTs Fisheries Departments will maintain proper accounts thereof and submit utilization certificates. They will furnish monthly progress reports to DoF/NFDB as applicable

and upload the same by 10th of each month on PMMSY portal/MIS and on their respective State/UT websites, as required.

7. Funding Pattern

7.1 The activities relating to Training, Awareness, Exposure and Capacity Building including skill development/upgradation are the part of the Central Sector Scheme (CS) component of PMMSY under which:

- (a) The entire project/unit cost will be borne by the Central government (i.e. 100% central funding).
- (b) States/UTs may infuse additional financial resources from their own State/UT funds for covering more number of beneficiaries.
- (c) Implementing Agencies may also take up training, awareness, skill development, skill upgradation, capacity building programmes, workshops, exposure visits either directly under PMMSY or in a convergence mode with various on-going schemes and programs of central and/or State/UT governments

8. Fund Flow Mechanism

8.1 The funding mechanism will ensure the following:

- Efforts shall be made to ensure online payment to all Implementing Agencies who in turn shall make arrangements to make payments to beneficiaries where relevant through electronic transfer directly in their respective bank accounts.
- Any expenditure of Rs. 10,000 and above will be paid only online through the bank and all the relevant provisions in relevant Acts (Income Tax Act, GST Act, Labour Act etc) are to be scrupulously followed.
- Any expenditure incurred below Rs. 10,000/- should follow administrative procedures with appropriate physical documentation.
- Original bills/receipts with duly audited expenditure statement along with proper documentation (photographs and video) shall be recorded and stored for all payments.
- Funds receipts & expenditure have to be recorded in the accounts registers and programme details in training register.
- Utilization Certificates in prescribed formats (GFR formats) should be furnished after utilisation of funds wherever concerned.

9. Type of Programmes

9.1 The training, awareness, exposure, skill development, skill upgradation and capacity building programmes will be tailored to suit the respective requirements of the beneficiaries outlined in Section 5.

9.2 The programmes will comprise of webinars, half day awareness programmes, one day awareness programmes, 3 days and 5 days training, skill development / upgradation programmes, one day workshops, conferences, specialised training programs on deep sea fishing, traceability & certification, exposure visits, fish festivals, melas, etc.

10. Programmes, Pattern of Assistance & Cost Norms

10.1 Mass Outreach Programmes

10.1.1 Training-cum-Awareness and outreach through Webinars

- 10.1.1.1 During FY 2020-21 and 2021-22, the primary focus will be on sensitizing all concerned stakeholders on the PMMSY and its benefits etc.
- 10.1.1.2 This awareness programme will be conducted virtually in the form of remote webinars and will be implemented by NFDB as the Nodal Implementing Agency, in collaboration with DARE, Ministry of Agriculture and Farmer's Welfare.
- 10.1.1.3 The planned webinars are envisioned to sensitize maximum of 10 lakh fishers and fish farmers as well as farmers engaged in agriculture, animal husbandry, horticulture and other allied sectors about the PMMSY scheme by involving various institutes in agriculture, horticulture, animal husbandry and allied sectors in addition to State Fisheries' Departments.
- 10.1.1.4 To achieve this, 150 potential districts including 77 coastal districts have been identified for selection of 500 KVKs Nodal Programme Coordinators (NPC) to act as Master Trainers (Refer **Annexure-II**).
- 10.1.1.5 NFDB shall conduct a half day orientation training to sensitize the KVK Nodal Programme Coordinators (NPCs) on PMMSY and subsequently each resource person will conduct 10 webinars comprising of minimum 200 participants per each NPC. The webinars for fishers and farmers are proposed to be carried out by the trained 500 KVK NPCs @ 2-3 programmes per month by each NPC.
- 10.1.1.6 The details of each webinar:

- Duration of Training: One-day Webinar (comprising of 2 sessions of minimum 90 Min each)
- Total Number of Participants: Average 200 participants per webinar

- 10.1.1.7 The component-wise unit costs are given in Table 1.

Table 1: Cost Norms for Webinars for Farmers

S. No.	Component	Number of KVKs	Cost (In Rs.)	Target Group
1	Operational Expenses (Details given below)	500	Rs.15,000/- per KVK for 10 webinars	10 Lakh (10 webinars per KVK Nodal Programme Coordinator * 500 KVKs * 200 participants)

Note – The above funds shall cover the following needs:

- To send the Operational Guidelines of PMMSY to the farmers connected with the KVKs through about 10,000 WhatsApp groups operated by them

- To translate the Operational Guidelines of PMMSY in local language for greater effectiveness of dissemination process
- To display small video clips of 2-3 minutes duration on different aspects of PMMSY
- To provide small text messages on important aspects of PMMSY in local languages to transmit the same intermittently through M-Kishan Portal.

10.1.2 One Day Physical Training Programme

10.1.2.1 These are physical training one-day duration trainings (following all social distancing norms) to be conducted for farmers

- | |
|--|
| <ul style="list-style-type: none"> • Duration of Training: One-day Physical Training (comprising of 2 sessions) • Number of Participants: Average 50 participants per training |
|--|

10.1.2.2 The cost norms are given in Table 2.

Table 2: Cost Norms for One-Day Physical Training

S. No.	Component	Cost (In Rs.)	Cost per Programme (In Rs.)
1	Travel of farmers from village to training center/place, food, reading material and other miscellaneous expenses	Rs. 500 / farmer	Rs. 25,000/- (considering 50 participants per programme)

10.1.3 Mass Media Outreach

10.1.3.1 Outreach through mass media can be planned through AIR and Television as per actual expenditure and based on the available budget.

10.1.4 Events

10.1.4.1 The State/UT Fisheries Department may organize Fish Festivals or Melas to create awareness on fish production, adoption of technology and promote fish and fishery products. For organising these events i.e., fish festivals and Melas a lumpsum amount of minimum Rs. 3.00 lakh to Rs. 5.00 lakhs per year per State/UT will be funded on a case to case basis. However, CAC of PMMSY may enhance the upper ceiling on a case to case basis based on a SCP.

10.2 National Level / State Level Technical ToT programmes – Training for Officers

10.2.1 These include Capacity Building and Training of Trainers (ToT) Programmes for Senior & Middle Level Field /Extension Personnel which can adopt any of the following structures:

- No of Days: 3 days, 5 days, 1 Week (6 days)
- No of Participants: 25 to 30 participants per programme
- No of Sessions: 3 days – 6 sessions; 5 days – 8 sessions; One week (maximum six days) – 10 sessions

The cost norms for ToT programs based on the host / organising entity are given below.

10.2.2 Organised by Management Institutes

10.2.2.1 The rate of guest faculty is fixed as outlined below:

- i. Level-I: Assistant & Associate Professor & Junior Private Consultants: Honorarium @Rs. 1,500/- (for one & half hours session)
- ii. Level-II: Director, Professor, experts and Senior private consultant: Honorarium @ Rs. 2,500/- (for one & half hours session)

10.2.2.2 Training may be conducted on-campus or off-campus. The cost norms for the same are given in Table 3.

Table 3: Cost Norms for On-Campus ToT Programmes by Management Institutes

Sl. No	Component	Cost Norms (In Rs.)	
		On-Campus	Off-Campus
1	Accommodation Charges	As per the tariff structure of concerned organisation or Rs. 700/- per person, whichever is less.	Institutes: up to Rs.700/- per day per person or as per actuals whichever is less (15% more for NE& Hilly States) State Departments /SAMETI: Rs. 250/-per head per day.
2	Meals, Tea & snacks @ in the Hostel and Lecture halls	Institutes: As per actuals capped at Rs.300/- per day per person State Departments /SAMETI: Rs.250/- per day per participant	In line with on-campus
3	Honorarium to Resource Persons Guest faculty (facilitator/subject expert)	Institutes: minimum Rs 1500/- maximum up to Rs. 2,500/- per session (one & half hours (two slabs prescribed for various categories)	In line with on-campus.

Sl. No	Component	Cost Norms (In Rs.)	
		On-Campus	Off-Campus
		State Departments /SAMETI: Rs.1500 per 2-3-hour session for 6 sessions (6 x 1500)	
4	Resource Person Local Travel	Local travel: Rs.2800/-per day towards resource persons.	In line with on-campus
5	Resource Persons Outstation Travel (economy class only)	Train ticket - 2 nd Class AC two tier or Air Ticket, whichever is less.	In line with on-campus
6	Stationary & Training Materials (consisting of pens, scribing pads, charts, whiteboard markers, sheets etc.)	Institutes/State Departments/SAMETI: Rs.1000/- per trainee	In line with on-campus
7	Training Hall rent	As per institute approved tariff structure.	Institutes: Rs.5000/- per day (inclusive of LCD projector) State Institutes/SAMETI: Classroom rent including AC & Electrical Charges, Repairs to Audio visual systems and other contingencies @ Rs.6000/- per day & UBR Hall @ Rs.3500/- per day (based on the category availed)
8	Miscellaneous Expenditure (payment towards banner, certificate, writing, Photographs etc.)	Institutes: Rs.8000/- (per training) State Institutes/SAMETI: Rs.4000/- (per training)	In line with on-campus
9	Field Visits (Hiring of bus two to times)	@ Rs.400/- per participant (maximum up to Rs.15000/- per programme)	In line with on-campus
10	Travel of trainees to the training centres from the place of domicile	Train ticket - 2 nd Class Sleeper or Rs. 500 per farmer, whichever is less.	Rs. 500 per farmer.

Note:

- TA, DA will be borne either by the respective State/UTs Departments or Training Institutes as per actuals (ceiling defined as per their eligibility) subject to submission of original bills.
- The actual cost depends upon the number of days of training and the number of participants per training

10.2.3 Organised by Extension Institutes such as EEs

10.2.3.1 The rate of guest faculty is fixed as outlined below:

i. *Guest speakers Level – I*

- Honorarium @Rs. 800/- (for one & half hours session) within the State/UT
- Honorarium @ Rs. 1,200/- (for one & half hours session) outside the State/UT

ii. *Guest speakers Level – II*

- Honorarium @Rs. 1,250/- (for one & half hours session) within the State/UT
- Honorarium @ Rs. 2,000/- (for one & half hours session) outside the State/UT

10.2.3.2 The detailed per unit cost norms are given in Table 4.

Table 4: Cost norms for ToT Programmes by Extension Institutes

Sl. No.	Component	Cost Norms (in Rs.)	
		On-Campus	Off-Campus
1	Honorarium to Resource person per session	Rs. 800/- & Rs.1,200/- per session of one & half hr. for Level - I Guest Speakers from within and outside the State respectively. Similarly, Rs. 1,250/- and Rs. 2,000/- for Level – II Guest Speakers from within and outside the State respectively.	In line with On-campus.
2	Stationary, Training Material and Literature	Rs. 750/-per participant: @ Rs. 250/-per participant for Stationary & Rs.500/- per participant for supply of supportive literature, books, CDs, Micro SD Card.	In line with On-campus
3	Boarding and Lodging	Rs.600/- per participant per day*	Rs.750/- per participant per day.
4	Travelling expenditure only to the officers of agriculture & line Departments of State / UTs	T.A. has to be met by the respective sponsoring Departments. In case it is not met by the sponsoring Department, TA will be reimbursed on actual basis and as per the entitlement of the officials by concerned Department subject to the submission of money receipt/necessary certificate.	In line with On-campus
5	Resource persons TA: Local Travel	Local conveyance charges @ Rs. 500/- per speaker per day for on an average to 2 Guest Speakers per day for 5 days (i.e., Rs. 1,000 x 5 days = Rs. 5,000/-) Maximum limit Rs.5000/- per programme	In line with On-campus
6	Resource person's TA: Outstation Travel	Train ticket - 2 nd Class AC two tier or Air Ticket, whichever is lesser	In line with On-campus

Sl. No.	Component	Cost Norms (in Rs.)	
		On-Campus	Off-Campus
7	Miscellaneous expenditure (banner, certificate writing, photographs etc.)	5,000/- per course	In line with On-campus
8	POL including hiring of Vehicle for field trips, miscellaneous contingencies, cost of detailed reports etc.	In line with Off-Campus	Rs.500/-per participant

Note:

- Training cost may vary based on No. of Days of training and No. of Participants. However, the upper ceiling shall be as indicated above.
- TA has to be met by the sponsoring Department. In case the TA is not met by the sponsoring Department, the same will be reimbursed on actual basis and as per the entitlement of the officials. The participants/ trainees will be required to produce money receipt/voucher/ original ticket/necessary certificate in support of their claim.
- Unit costs of all items are upper ceilings and releases will be subject to actual, or whichever is lesser. Economy in expenditure should be exercised and GFRs should be adhered to.

10.3 Training Programmes by ICAR Institutes

10.3.1 The list of KVKs with Fisheries expertise are given in **Annexure – III**. The training programmes have been categorized on the basis of target groups.

10.3.2 For field officers

- Target Participants: Field Officials
- Duration of Training: 3 to 5 days
- Number of Participants: 25 to 30 per programme

The cost norms are given in Table 5.

Table 5: Cost Norms for General Training Programmes by ICAR Institutes

S. No.	Component	Cost Norms
1	Travel for trainees and Resource persons	TA to trainees will be as per actual as per their entitlement if sponsoring Dept. do not pay TA. TA for Resource persons will be as per eligibility of their grade pay.
2	DA/per diem for trainees	As per entitlement
3	Travel costs for educational tours, study visits, etc., which ever applicable.	On actuals.
4	Boarding and lodging	Actuals, subject to a maximum of Rs.500/trainee/day
5	For outstation resource persons	On actuals
6	Training material (including resource material, stationery, etc.) to be provided to trainee	Rs.750/trainee
7	Consumables/chemicals/glassware/ costs of raw materials/components	Subject to a maximum of Rs.500/trainee/programme
8	Resource person fee/Honorarium	Rs.1000 to Rs.2500/-lecture (based on hours of sessions as fixed by ICAR) Director: Rs. 2500/-, Core Staff: Rs. 1500/-, and Other lecturers: Rs. 500/- per lecture
9	Resource person fee/Honorarium to Programme Director& Programme Coordinator (s)	Not more than Rs.3000/- per programme.
10	External payment envisaged (cost of outsourcing for transport and other services)	Subject to maximum of Rs.10000 per training programme.
11	Contingencies	2.5% of total cost
12	Institutional Charges(Cost of physical inputs/services/utilities provided by the Institute)	Rs.2,000/trainee
13	Service tax/any other tax	Actuals on total cost.

As indicated above, the total cost depends upon the number of trainees (participants) and duration of the programme.

10.3.3 For Farmers

10.3.3.1 These capacity building programmes by ICAR will target farmers in the fisheries sector for building technical knowledge.

- Duration: 2 days comprising of 4 lectures per day
- Number of Participants: 30 farmers

10.3.3.2 The detailed cost norms for the same are given in Table 6.

Table 6: Cost Norms for Capacity Building Programmes by ICAR Institutes for Farmers

S. No.	Component	Amount (Rs.)
1	Training material/stationery/venue/cost/ Audio-visual aids etc.	Rs.1,000 per training (for 30 farmers)
2	Dormitory farmer accommodation /Travel/Transport etc.	Rs.4,500 per training (for 30 farmers)
3	Honorarium to SMS/Scientist etc.	Rs.250 per lecture
4	2 Meals / Refreshment for farmers	Rs.250 per farmer per day

10.3.4 Training Programme by KVKs

10.3.4.1 The training programmes by KVKs are structured as follows:

Target groups: Fish farmers, fishers, fisherwomen, rural youth, out-of-school rural population
Size of the Group: 25 to 30 participants
Duration: 5-7 days

10.3.4.2 The detailed cost norms are given in Table 7.

Table 7: Cost Norms for Training Programmes by KVKs

S. No.	Component	Amount (Rs.)
1	Training material/stationery/ folders/bags	Rs.250/- per training
2	Training manual	Extension of training literature Rs.40 per copy minimum print of publication 200 copies Rs.8,000/-
2	Dormitory farmer accommodation	Rs.4,500 per training
3	Honorarium to resource person	Rs.1,500/- per 1.5 hours lecture
4	2 Meals / Refreshment for farmers or breakfast	Rs.300/-day x No of farmers x No. of days training
5	TA as per actuals (to &fro)	Local public transport or a maximum of Rs.5per Km

S. No.	Component	Amount (Rs.)
6	Demonstration	Method demonstration @ Rs.2500per programme Result demonstration Rs.15000/- (lumpsum for input for demonstration)

10.3.5 One Day Awareness Programme for Training of Trainers/Farmers

10.3.5.1 It shall be imparted by subject matter specialists of ICAR institutes/SAUs/KVKs and there will be a group of 30 participants/farmers. The cost norms for the programme are given in Table 8.

Table 8: Cost Norms for One-Day Programme for Farmers

S. No.	Component	Cost (Rs.)	Amount (Rs.) for 4 Sessions
1	Honorarium for one trainer/resource person	Rs.500/- per session (45 min)	Rs.2,000/-per programme
2	Training material & stationary	Rs.500/- per session	Rs.2,000/-per programme
3	Refreshment for trainees, supporting staff (5 Nos)	Rs.50/- head per session for 30 persons	Rs.6,000/- per programme
4	Contingency preparation of banner, fuel charges transport, etc.	Rs.750/- per session	Rs.3,000/- per programme

Note: Cost may vary based on the number of participants and shall be half day awareness followed by two sessions. Rent will be applicable if the host organisation does not have a training hall facility, which will be reimbursed on actuals (with a ceiling of Rs. 10,000/- per programme).

10.4 Trainings Through ATMA

10.4.1 Farm Level Trainings at Gram Panchayat / Block Level

10.4.1.1 These trainings comprising of demonstrations will be conducted for progressive Farmers i.e. Fish/Aqua Farmers at Farm School.

- Duration: 5-6 days
- Number of Participants: Minimum 25 farmers

10.4.1.2 The detailed cost norms are outlined in Table 9.

Table 9: Cost Norms for Farm School Trainings at Gram Panchayat / Block Level

S. No.	Component	Amount (Rs.)
1	Frontline demonstration at Farm School on a maximum area of 2.5 acre	Rs. 4000/- to 7,500/-
2	Grant towards logistics support to Farm School	1,000/-
3	Contingency	2,000/-
4	Honorarium for maximum two external trainer for maximum 6 visit @ maximum of Rs.250 per visit per trainer (2 x 6 x 250 = Rs 3,000/-)	3,000/-
5	Travel expenses for maximum two external trainer for maximum 6 visits @ maximum of Rs.150 per trainer per visit (6 x 6 x 150 = Rs 1,800/-)	1,800/-
6	Food expenses for 25 participants @ Rs.30 per participant per day for 6 days (28 x 30 x 6 = Rs 5,040/-)	5,040/-
7	Printed literature @ Rs.50 per participant for 28 participants and trainers	1,400/-
Total		21,740/-
6	Maximum service charge to achiever farmer/Implementing agency running the Farm School, ATMA	2,674
Grand Total		24,414

10.4.2 Fish or Aqua Farmer Oriented Trainings

10.4.2.1 These activities including demonstrations, exposure visits, mobilization of farmer groups etc. are aimed at empowering fish or aqua farmers and improving their participation in the technology dissemination process.

- Training Duration: 1-2 days, 3-5 days, 5-7 days

10.4.2.2 The training structure, participants and cost norms are given in Table 10.

Table 10: Cost Norms for Farmer Oriented Trainings through ATMA

Training Activity Type	Details	Ceiling of Cost Norms (Max.)	No. of Farmers
Training of farmers for maximum period of 7days	Inter-State	Rs.1250/farmer/day	Avg. 50 farmers/day/block
	Within State	Rs.1000/farmer/day	Avg. 100 farmers/day/per block
	Within district	Rs.400 (for residential) &Rs. 250 (for non-residential)/farmer/day	Avg.500 farmers/day/per block
Demonstrations	Demonstration (Fisheries)	Rs.4000/ per demonstration	Avg. 125 demonstrations per block
Exposure visit of farmers- maximum duration of 10 days excluding travel time	Inter State	Rs.1000/farmer/day	Avg. 4 farmer per block for 10 days
	Within State	Rs.500/farmer/day	Avg. 20 farmer per block for 8 days
	Within District	Rs.300/farmer/day	Avg. 100 farmers per block for one day

Training Activity Type	Details	Ceiling of Cost Norms (Max.)	No. of Farmers
Farmer Scientist Interactions	District level	Rs.20000/ Interaction	
Farm School		Rs. 29,414 per Farm School	Minimum 3 F.S./block(about 25 trainee farmers/school)

10.4.3 Skill Training of Rural Youth (On ASCI modules)

10.4.3.1 This programme intends to provide skill training to rural youths including fishers/ farmers, fish workers and fisher women based on local needs.

- **Target group:** Rural youth of age group 18 years minimum and with qualification 5th class
- **No of participants:** 15 Nos.
- **Duration:** 6 days

10.4.3.2 Under this category, four trainings may be conducted per district. The cost norms are given in Table 11.

Table 11: Cost Norms for Skill Training

S. No.	Items	Number of Trainees	Cost/Day/Trainee
1	Duration of one Training for 6+2 (including 2-day travel plan)	15 per programme	Rs. 400/-
Grand Total (for 8 days) (15*400*8 = Rs 48,000)			Rs. 48,000/-

* Limit of Rs.400/per day/per trainee is for District level training only if it is residential, otherwise Rs.250/-per day/per trainee is applicable.

Note: An amount of Rs. 400/- per day / trainee shall be incurred as per ATMA Cafeteria & will be inclusive of:

- Travel cost by bus or second-class sleeper as per actuals
- Refreshments / meals and stay during training @ Rs. 250/-

10.5 Training, Awareness, Exposure and Capacity Building programs undertaken by NCDC.

10.5.1 National Cooperative Development Corporation (NCDC) is one of the key implementing Agencies of the PMMSY Scheme. Being a primer government corporation catering to the needs of the cooperatives in the country, it is envisaged that the NCDC and its institute Laxmanrao Inamdar National Academy for Co-operative Research & Development (**LINAC**) play a pivotal role in imparting Training, Awareness, Exposure and Capacity Building including skill development/upgradation for fishers and fish farmers cooperatives, FFPOs etc. under PMMSY. With approval of CAC of PMMSY, the proposals of NCDC/LINAC for Training, Awareness, Exposure and Capacity Building including skill development/upgradation would be supported on the DPR/SCP basis and the cost norms supported would be as per actuals.

10.5.2 NCDC/LINAC may also be supported under PMMSY for design and development of need-based course curriculum, Training, Awareness and Capacity Building modules on DPR/SCP basis with approval of CAC of PMMSY.

10.5.3 NCDC/LINAC may mobilise additional resources beyond PMMSY for imparting Training, Awareness, Exposure and Capacity Building and implement in a convergence mode with PMMSY so as to cover maximum number of stakeholders.

10.6 Training, Awareness and Exposure Visits by State/UT Fisheries Departments

10.6.1 Workshops / Conferences

10.6.1.1 Structure of workshops/conferences will be as follows:

- Target Group: Field Functionaries, Progressive Fish Farmers
- Duration of Conference/Workshop: 1 day or half day

10.6.1.2 The cost norms are given in Table 12 and 13 for 1-day and half-day trainings respectively.

Table 12: Cost Norms for One-Day Conferences/Workshops

Sl. No.	Component and Unit Cost	For 50 participants	For 100 participants
1	Inaugural expenses (Banner, bouquets, photos etc.)	1000	1000
2	Rent for the venue (restricted to actual maximum upto Rs.5000/- one full day rent charges)	5000	5000
3	Workshop kit (folder, pad, pen, reference material etc.) @ Rs.100/- per head	5000	10000
4	Honorarium to Resource Persons @Rs.750/- for session / per person for 3 sessions	2250	2250
5	Lunch & Refreshments @Rs.300/per person	15000	30000
6	Miscellaneous	2000	2000
Total		30250/-	50250/-

Table 13: Cost Norms for Half-Day Conferences / Workshops

Sl. No.	Component/ unit cost	For 50 participants	For 100 participants
1	Inaugural expenses (Banner, bouquets, photos etc.)	1000	1000
2	Rent for the venue (restricted to actual maximum upto Rs. 3000/-)	3000	3000
3	Honorarium to Resource Person @ Rs.750/- per session (2 sessions)	1500	1500
4	Lunch (or) Tea and Snacks @Rs.100/per person	5000	10000

5	Miscellaneous	1500	1500
Total		12000/-	17000/-

10.6.2 Training Programmes for Farmers

10.6.2.1 These are classroom training programmes which may comprise of technical demonstrations and field visits

- Target Group: Fishers, Fish Farmers
- Duration of Training: 3-days
- Number of Participants: 25 per session or 50 per session

10.6.2.2 The cost norms are given in Table 14.

Table 14: Cost Norms for Training Programmes for Farmers

Sl. No.	Component / Unit Cost	For 25 participants		For 50 participants	
		Residential	Non-residential	Residents	Non-residents
1	Daily Allowance (DA) @Rs.300/- per trainee per day	22500	22500	45000	45000
2	Travelling Allowance (TA) @ Rs.100/- per trainee per day a) Non-Residential: Non in-house training to & fro will be paid for entire days up to a limit of Rs.300/- per trainee b) Residential: In-house training to & fro will be paid maximum up to Rs 200/- per trainee	5000	7500	10000	15000
3	Accommodation: As per actual with a ceiling of Rs. 600/- per trainee per day for 3 days. Restricted to actual as per the tariff fixed by the Institutes/ maximum to a limit of Rs.750/- .	45000	-	90000	-
4	Honorarium to Resource Persons @Rs.750/- for session / per person. (Amount arrived for 5 sessions for 3 days training programme)	3750	3750	3750	3750
5	Distribution of Training Materials/ stationary (Rs.250/- per trainee per program)	6250	6250	12500	12500
6	Working Lunch, Tea, Snacks to participants (Rs.300/- trainee per day)	22500	22500	45000	45000
7	Demonstration/Field Visit	7500	7500	15000	15000

Sl. No.	Component / Unit Cost	For 25 participants		For 50 participants	
		Residential	Non-residential	Residents	Non-residents
	(Actuals subject to maximum of Rs. 300/- per trainee per program)				
8	Miscellaneous	2000	2000	2000	2000
Total		114500	72000	223250	138250

10.6.3 Training of Trainers (ToT) Program for Department Officials

10.6.3.1 Structure of training will be as follows:

- Target Group: State/UT Department Officials
- Duration of Training: 5-days
- Number of Participants: 25 per programme

10.6.3.2 The cost norms are given in Table 15.

Table 15: Cost Norms for ToT Program for Department Officials

Sl. No.	Component	Unit Cost	Total cost for 25 participants (in Rupees)
1	Honorarium to Resource Persons (Rs. 750 / session for maximum 2 sessions per day) Amount arrived for 8 sessions for 5 days programme.	Rs.1500/- per day	6000
2	Training Materials	Rs.200/- per trainee	5000
3	Working lunch, Tea, Snacks to participants	Rs.300/- per trainee per day	37500
4	Field Visit	Rs.10000/- per programme	10000
5	Miscellaneous	-	2000
Total			60500

Note: TA, DA and Accommodation will be borne by the respective State/UT Fisheries Departments

10.6.4 Exposure Visits

10.6.4.1 Exposure visits for fishers, fish farmers and fish workers are essential for creating awareness and acceptance of new technologies and methodologies by visiting those

areas where these technologies and practices are popular and widely used. Exposure visits could be within state or outside the State depending on the need.

10.6.4.2 Each visit will comprise a batch of 10 participants and will be accompanied by Technical Field Functionaries.

- Duration of Visit: 5 days
- Number of Participants: 10 fish farmers, fishers and fish workers

10.6.4.3 The cost norms are given in Table 16.

Table 16: Cost Norms for Exposure Visits

Sl. No.	Component	Unit Cost	Total Cost (in Rupees)
1	Daily Allowance (DA) (Including travel period of 4 days, assuming time taken to travel from NER/Hilly states) (Rs 300* 10* 9 = Rs 27000)	Rs. 300/- per trainee per day (As per actual number of days from start to end)	27000
2	Travelling Allowance (TA) to participants	Actual to and fro fare restricted to sleeper class maximum up to Rs. 2000/- per person.	20000
3	Accommodation: As per actual with a ceiling of Rs. 600/- per trainee per day (in-house training) (Rs 600* 5* 10 = Rs 30000)	Rs.600/- per trainee per day	30000
4	Stationery	Rs.100/- per trainee	1000
5	Lunch, Tea, Snacks to participants and accompanying officers	Rs.300/- per trainee per day	15000
6	Miscellaneous	-	2000
Total			95000

Note:

- TA, DA for the Field Functionaries accompanying the Farmers will be borne by the respective State/UTs Departments.

11. MIS

- 11.1 DoF and NFDB shall ensure that a proper Information Communication Technology (ICT) enabled Management Information System is established under the PMMSY portal to capture data/information on various activities at various levels.
- 11.2 The training related targets and achievements will be depicted in a separate section in the MIS.

12. Monitoring & Evaluation

- 12.1 DoF and NFDB shall monitor the training activities on a regular basis by getting the analysis of the data captured through MIS and reviewing the activities on a quarterly basis.
- 12.2 Evaluation studies may be taken up based on the requirement.

13. Expected Outcomes

- 13.1 It is expected that the training and capacity building programmes will facilitate the achievement of PMMSY objectives including an enhancement of production & productivity, improvement of post-harvest management and establishment of marketing linkages by developing human resource and institutional capacity.
- 13.2 In the first year of PMMSY, i.e., FY2020-21, the virtual webinar-based outreach and awareness programme is expected to cover ~10 lakh fishers, fish farmers, fish workers and farmers in allied sectors. In subsequent years, FY 2021-25, physical training programmes are expected to train ~1.5 lakh beneficiaries.
- 13.3 Overall, a larger number of stakeholders will be covered across fisheries, agriculture, horticulture etc. aiming integrating farming systems with fisheries and livestock, such that all sectors grow in a sustainable and holistic manner. These initiatives will ultimately contribute towards unlocking the potential of these sectors, generating employment and thus, contributing to the socio-economic growth of the nation.

14. Amendments

- 14.1 It may be noted that these guidelines are subject to revision and amendments issued from time to time.

Annexure – I: Indicative Training Topics

Indicative Training Topics

Based on the needs of the farmers, the training will be imparted to farmers from the topics given below in Table 16 and any other relevant topics also can be selected. General awareness programmes can cover the basics of fisheries sector and provisions of PMMSY and structured training programmes can cover the following topics or any other relevant topics. The training modules may be customized to local context and needs. A combination of Fisheries activities related orientation programmes can also be taken up by fitting into the structured modules.

Table 17: Training Topics

Subject Area	Suggested Topics
Freshwater Aquaculture	<ul style="list-style-type: none"> a) Hatchery production of Indian Major Carps b) Nursery rearing of Indian Major Carps c) Grow out culture of Indian Major Carps d) Composite fish Culture e) Disease and Health Management in Aquaculture f) Feed Formulation and Management in Freshwater Aquaculture g) Water quality management in freshwater aquaculture h) Biosecurity in Aquaculture i) Inland Cage culture j) Pearl culture k) RAS culture l) Biofloc culture m) Integrated Aquaculture
Brackish Water Aquaculture	<ul style="list-style-type: none"> a) Seed production of marine/brackishwater fish species b) Culture of marine fish such as seabass, cobia, pompano c) Seed production of <i>L. vannamei</i> d) Shrimp culture of <i>L. vannamei</i> e) Mud crab farming f) Lobster fattening g) Mussel culture h) Brackish water Cage Culture
Mariculture	<ul style="list-style-type: none"> a) Propagation of seed material of seaweeds b) Techniques of seaweed cultivation c) Processing of seaweeds d) Seaweed products development and marketing. e) Open sea Cage culture
Coldwater Fisheries	<ul style="list-style-type: none"> a) Seed production of Trout b) Grow out culture of Trout in Raceways c) Culture of Trout in RAS
Ornamental Fisheries	<ul style="list-style-type: none"> a) Freshwater ornamental fish breeding b) Marine ornamental fish breeding c) Live feed culture
Capture Fisheries	<ul style="list-style-type: none"> a) Hygienic Handling of Fish on-board b) Fishing methods c) Awareness of Potential Fishing Zones (PFZ) d) Awareness on Sea Safety Measures e) Operation of fishing craft f) Operation of fishing gear g) Net mending and repairing h) Use of Turtle Excluder Devices (TED) i) Use of square mesh at Cod end in fishing gear

Subject Area	Suggested Topics
Quality Management	<ul style="list-style-type: none"> a) Implementation of HACCP in Fish processing plants b) Quality control in Fish processing plants c) Maintenance and Management of Quality Control Lab d) Testing of quality of shrimp seed through PCR technique
Fish Processing and Marketing	<ul style="list-style-type: none"> a) Processing of shrimp and other commercially important fish b) Fish drying c) Fish smoking techniques/masmin production d) Tuna processing e) Fishery by products f) Retail fish marketing
Species-specific Hatchery/Breeding Technologies (Other than major Indian carps)	<ul style="list-style-type: none"> a) Pangasius b) Murrel c) Magur (Clariusbatrachus) d) Singhi (Heteropneustisfossilis) e) Pearl spot (Etroplussuratensis) f) Tilapia g) Scampi h) Shrimp i) Seabass j) Cobia k) Pompano
Fisheries with Animal husbandry activities	<ul style="list-style-type: none"> a) Dairy with Fisheries b) Piggery rearing and Management with Fisheries c) Poultry rearing and management with Fisheries d) Duck farming with Fisheries
FFPO	<ul style="list-style-type: none"> a) Formation & institution management b) Registration of FFPO c) Collective activities – production, processing, value addition, marketing d) Business operations
Entrepreneurship Development	<ul style="list-style-type: none"> a) Various enterprises b) Value chain analysis c) Selection of entrepreneurs, training on enterprise activities
Seed /Feed Certification	Awareness on seed & feed certification

Annexure – II: Districts for Selection of KVKs

The 500 KVKs will be identified in the following 150 potential districts, including Coastal districts, for selecting Master Trainers / Resource persons to conduct the webinars.

S. No.	States/UTs	Districts
1	Andhra Pradesh	Krishna
2		West Godavari
3		SPS Nellore
4		Guntur
5		East Godavari
6		Srikakulam
7		Prakasam
8		Vizianagaram
9		Visakhapatnam
10	Arunachal Pradesh	Dibang Valley
11	Assam	Karimganj
12		Darrang
13		Nagaon
14		Dhubri
15		Sonitpur
16		Goalpara
17		Jorhat
18	Bihar	Siwan
19		Madhepura
20		Gopalganj
21		Pashchim Champaran
22		Muzaffarpur
23	Chhattisgarh	Durg
24		Bastar
25		Raipur
26	Goa	North Goa
27		South Goa
28	Gujarat	Jamnagar
29		Anand
30		Surat
31		Bharuch
32		Rajkot
33		Bhavnagar
34		Junagadh
35		Navsari
36		Ahmedabad
37		Amreli
38		Porbandar

S. No.	States/UTs	Districts
39		Kutch
40		Girsomnath
41		Valsad
42	Haryana	Kurukshetra
43		Ambala
44		Rohtak
45	Himachal Pradesh	Kinnaur
46		Kullu
47		Shimla
48	Jammu&Kashmir	Baramulla
49		Srinagar
50		Anantnag
51	Jharkhand	Palamu
52		Jamtara
53		Ranchi
54	Karnataka	Kolar
55		Chitradurga
56		Tumkur
57		Chikkaballapur
58		Bangalore Rural
59		Haveri
60		Hassan
61		Ramanagara
62		Chikkamagaluru
63		Bidar
64		Dakshina Kannada
65		Udupi
66		Uttar Kannada
67	Kerala	Kannur
68		Kozhikode
69		Kollam
70		Alappuzha
71		Thiruvananthapuram
72		Ernakulam
73		Kottayam
74		Malappuram
75		Thrissur
76		Kasaragod
77	MP	Morena
78		Shivpuri
79		Bhopal
80	Maharashtra	Pune
81		Bhandara

S. No.	States/UTs	Districts
82		Gadchiroli
83		Nashik
84		Nanded
85		Washim
86		Wardha
87		Kolhapur
88		Amravati
89		Nagpur
90		Thane
91		Sindhudurg
92		Ratnagiri
93		Palghar
94	Manipur	Churachandpur
95		Ukhrul
96	Meghalaya	Ri Bhoi
97		East Khasi Hills
98	Mizoram	Aizawl
99		Serchhip
100	Nagaland	Mon
101		Kiphire
102	Odisha	Gajapati
103		Kendrapara
104		Ganjam
105		Puri
106		Balangir
107		Jagatsinghapur
108		Rayagada
109		Bhadrak
110		Baleshwar
111		Khordha
112	Punjab	Barnala
113		Moga
114		Bathinda
115	Rajasthan	Nagaur
116		Ajmer
117	Sikkim	East Sikkim
118	Tamilnadu	Tiruvannamalai
119		Theni
120		Thiruvallur
121		Thanjavur
122		Cuddalore
123		Kanchipuram
124		Kanniyakumari

S. No.	States/UTs	Districts
125		Nagapattinam
126		Pudukkottai
127		Ramanathapura M
128		Thoothukudi
129		Villupuram
130	Telangana	Mahabubnagar
131		Warangal
132		Adilabad
133	Tripura	South Tripura
134		North Tripura
135	Uttar Pradesh	Sant Ravidas Nagar
136		Shravasti
137		Ballia
138	Uttarakhand	Uttarkashi
139		Pithoragarh
140	West Bengal	Bankura
141		Purulia
142		South 24 Parganas
143		North 24 Parganas
144		Purba Medinipur
145	Lakshadweep	Lakshadweep
146	Puducherry	Karaikal
147		Yanam
148		Puducherry
149	Daman and Diu & Dadra and Diu	Daman
150	Andaman & Nicobar	Nicobar

Annexure – III: KVKs with Fisheries Expertise

Name of State	Name of KVK	Senior Scientist and Head (Fisheries) (Name, e-mail ID and Mobile no)	Subject Matter Specialist (Fisheries) (Name, e-mail ID and Mobile no)	Programme Assistant (Fisheries) (Name, e-mail ID and Mobile no)
Punjab	Barnala	-	Sh. Khushvir Singh* Email: khushvirsingh99@gmail.com Mobile: 94636 05072 (* - On Study Leave)	-
	Mohali	-	Dr. Vikas Phulia Email: vikas.phulia@gmail.com Mobile: 9876419632; 9780529412	-
	Tarn taran	-	Dr. Bhanu Prakash Ch Email: chbhanu001@gmail.com Mobile: 6300487614	-
Punjab Total	3	0	3	0
Uttarakhand	Nainital	-	Dr. Vijay Kumar Singh Email: drvkskvk@rediffmail.com Mobile: 9411539862	-
	Udham Singh Nagar	-	Dr. S K Sharma Email: sk03sharma@gmail.com Mobile: 9412926530	-
Uttarakhand Total	2	0	2	0
Jammu and Kashmir	Budgam	-	-	Ms. Iram Farooq Email: iram.farooq@yahoo.in Mobile: 7006838589
	Doda	-	Dr. Ghanshyam N. Jha Email: ghan_shark@yahoo.com Mobile: 8492047143	-
	Jammu	-	Dr. Prem Kumar Email: fish9897@gmail.com Mobile: 9419100152	-
J&K Total	3	0	2	1
Rajasthan	Hanumangarh-I	Dr. Anup Kumar, Senior Scientist & Head (Fisheries) Email: kvksangariahmh@gmail.com	-	-

Name of State	Name of KVK	Senior Scientist and Head (Fisheries) (Name, e-mail ID and Mobile no)	Subject Matter Specialist (Fisheries) (Name, e-mail ID and Mobile no)	Programme Assistant (Fisheries) (Name, e-mail ID and Mobile no)
		9414874800		
Rajasthan Total	1	1	0	0
Uttar Pradesh	Balrampur	-	Shri Pramod Kumar Email: kumar.pramod470@gmail.com Mobile: 9453456808	-
	Rampur	-	-	Shri R.N. Singh Email: rnsingh14545@yahoo.com Mobile: 9411037240
	Chitrakoot	-	Shri Kamlashankar Shukla Email: kvkshukla2009@rediffmail.com Mobile: 9450220931	-
UP Total	3	0	2	1
Bihar	Darbhanga	-	Mr. Mukesh Kr. Singh Email: mukeshdholi@gmail.com Mobile: 8987263599	-
	Madhubani	-	Manglanand Jha Email: mnjha2014@gmail.com Mobile: 9955931767	-
	Muzaffarpur Additional	-	Mrs. Ipsita Biswas Email: ipsita@rpcau.ac.in Mobile: 9931839680/ 8961153963	-
	Nalanda	Dr Brajendu Kumar brajbau@gmail.com 9431659922	-	-
	Rohtas	-	Mr. Rabindra Kumar Jalaj Email: rjjalaj99@gmail.com Mobile: 9430245604	-
	Saran	-	Mr Pankaj Kumar Email: pankaj49kumar@gmail.com, Mobile: 7779945652	-
	Supaul	-	Sri. Gyan Chandra Email: gyanchandrakvk@gmail.com Mobile: 7903927294	-
	Sitamarhi	-	-	Sri Prakash Chandra Email: prakash.nduat@gmail.com mob- 9801684347
Bihar Total	8	1	6	1

Name of State	Name of KVK	Senior Scientist and Head (Fisheries) (Name, e-mail ID and Mobile no)	Subject Matter Specialist (Fisheries) (Name, e-mail ID and Mobile no)	Programme Assistant (Fisheries) (Name, e-mail ID and Mobile no)
A & N Islands	N & M Andaman		Dr Shailesh Kumar Email: Shailesh.kumar1@icar.gov.in Mobile: 9531874199	-
A&N Total	1	0	1	0
West Bengal	Murshidabad Additional	-	Name- Uday Narayan Das Email: undas.245@gmail.com Mobile: 9434120970	-
	Malda	-	Mr. Adwaita Mondal Email: adwaitamondal@gmail.com Mobile: 8918571019	-
	South 24 Parganas Additional	-	Dr. Swagat Ghosh, SMS (Fisheries) Email: swagotor@gmail.com Mobile: 91 91631 19642	-
	Murshidabad	-	Mr.Samiran Patra Email: samiangelindia@gmail.com Mobile: 8759380743	-
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W.B Total	8	0	8	0
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Odisha Total	13	2	7	4
