FDA’S CO-MANAGEMENT PLAN **MYR 002**

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| **Sr** | **Key Activity** | **Details of Activities** | **Role of Project** | **Short-term Objectives** | **Probable Issues/ Challenges** | **Capacity Need** |
| 1 | Research and Data Collection | * Collect the fishery related information per village by covering main livelihood (part time or full time), fishing areas, fishing grounds, fishing seasons, etc. * Mapping the existing and proposed fishing groups * Develop understanding on the spawning and larval stages of fish in targeted areas through Participatory Mapping * Identify and map migration, spawning and nursery grounds of key commercially important fish species. * Setting the village-based data-collection system and present the collected information to Development and Government Agencies as needed. | * Conduct surveys and samplings of fishery resources to determine population, species composition and distribution. * Document the current fishing practices in targeted areas * Collect local fisheries knowledge on catch, gear & ecology; * Collect regular data on fish catches from fish buyers; * Determine major fisheries management issues; * Collect socio-economic data on the fishery. | * Systematic publication and documentation of knowledge products of fishery communities | * Poor participation of communities * Weak coordination mechanism among fishery communities | * Indigenous Fishery Training |
| 2 | Identification of Fishing Season and Fishing gears | * Understanding the fish ecology and share the knowledge among the fishing communities based on the results of previous studies * Review SSF’s seasonal usage of different fishing gears to understand the impacts on natural resources * Deliver knowledge to fishery communities about the fishing season, legal fishing gears and norms which are mentioned in the new AFWFL * Carry out awareness raising activity for fishery communities to be able to understand on illegal fishing gears and fishing seasons * Identify the fishing season and fishing gears for co-management area through the community mass meeting and report to DoF for approval * Identify Rules and Regulation for the fishing communities to follow in fishing * Organize the patrolling group and carry out the regular monitoring at targeted zone/ co-management areas | * Develop fishery co- management plans for the targeted area to combat IUU fishing and covering the conservation system, promote sustainable harvest (of fish and other aquatic species), and stock recovery. * Explore to official, government- recognized, co-management zones to negotiate fishery co-management plans * Support co-management committees to develop effective management system in co-management area such as patrolling and conservation practices. | * Protect fish and other aquatic species through the designation of protected area(s). | * Difficult to get approval and permission from GAD and relevant departments to do regular patrolling * High cost involved in regular patrolling | * Fishers’ awareness of legal and illegal fishing |
| 3 | Awareness and Campaigns | * Develop the awareness packages covering aspects of fish ecology, management systems and proper Value Chain practices * Develop the awareness plan in collaboration with VDC, DoF, Village Administrators and Development Agencies * Carry out the awareness and campaign at targeted areas * Work and coordinate with DoF for regular awareness program and IEC development * Deliver the knowledge to children through dissemination of pamphlets and posters at schools * Install the awareness vinyls and posters in targeted areas | * Develop communication strategies and support the implementation of innovative communication tools. * Carry out awareness activites alongside of project area * Support intensive training on ecosystem values and conservation at different levels * Promote awareness rising for sustainable harvest of fishery products through awareness programs. | * Enhance knowledge and awareness of the ecosystem values of the targeted area, species conservation status and its management. | * Difficulties in getting permissions from related departments * Difficult to access financial and technical capital | * Fish ecosystem value training * Fish Preservation and VC training |
| 4 | Zoning and Mapping for Conservation | * Organize community mass meetings to undertake mapping of the proposed conservation zone based on the key findings of fishing grounds mapping * Get agreement among the communities for conservation zone, covering fish spawning grounds, juvenile habitats and other sensitive areas. * Develop the conservation map by using PRA and GIS with the support of project/ development agencies * Develop the management plan through the community mass meeting and share with government agencies for getting approval and acceptance. * Organize the patrolling group and carry out the regular monitoring in the targeted zone | * Undertake studies and surveys on spawning and fish larvae in targeted areas * Identify and map migration, spawning and nursery grounds of key commercially important fish species. * Support to communities on developing maps of fishing zone by GIS in collaboration with government agencies * Develop target habitat management/conservation plan through the designation of protected area and zoning scheme e.g. core zone for spawning and nursery grounds for key fish species. | * Develop and implement fishery co-management arrangements in priority sites to ensure sustainable harvest and stock recovery. | * Difficult to get approvals from related department for conservation and mangrove plantation * Weak capacity of committee members to undertake reporting and communication * Poor participation of the diverse range of stakeholders at different levels | * Co-management and NRM Training |
| 5 | Fishermen/ member selection | * Coordinate and work with DoF, FDAs and VDC and set the criteria for fishing at proposed fishing grounds/ co-management area through meetings with fishery communities * Carry out beneficiary selection based on the criteria * Collect the selected fishermen list and report to DoF for membership registration * Make sure the understanding of selected fishermen on the R&R of co-management area through trainings and awareness | * Strengthening the capacity of FDAs and management committees for organizational management and development * Create the concrete linkages/ networks between fishery communities and government agencies for in-time supports for fishery communities | * Membership registration and improving of access to fishing | * Nil | * Leadership and Organizational Management Training |
| 6 | Mangrove Forest Rehabilitation and Plantation | * Mapping the potential Mangrove plantation area by coordinating with FDA and VDCs * Organize the Mangrove Plantation working group with the participations of a range of stakeholders * Share the mapping results to DoF, FD, LRD, GAD and development agencies * Extend the services of the technician from FD and development agencies to provide the technical support to the communities. * Organize mass meetings with farmers, land owners, government departments and development agencies for land allocation for mangrove plantation * Work with FD for getting the mangrove species, plants and certificate for community forestry * Work with development agencies for funds and support for mangrove plantation * Facilitate the communities to involve in mangrove plantation * Mangrove planting undertaken in the targeted areas with the direct support of the FD and project * Regular monitoring and maintenance by the working group | * Undertake studies to determine existing mangrove distribution and species component in Ayeyarwaddy Region especially for targeted area * Investigate potential for mangrove plantation along the creeks, taking into consideration suitable areas, species to plant, methods used, monitoring and evaluation, and impacts to key fish species * Work with FD and mangroves experts for provision the technical supports to fishery communities * Fund Raising for Mangrove Plantation | * Protect and monitor existing mangrove habitats and, restore, where practicable. | * Difficult to get land for mangrove plantation * Lack of financial capital * Difficult to communicate even within the committees and members | * Fishery Ecology and Mangrove Habitats Training |
| 7 | Law Enforcement, Monitoring and Patrolling | * Organize the monitoring and patrolling team with the members of management committees, representatives of village authority and government departments * Develop the patrolling plan and support needs in collaboration with multi-stakeholders * Develop the R&R for the patrolling team in coordination with DoF and local authority * Carry out regular monitoring and patrolling * Systematic documentation on findings and reporting in-time to relevant agencies/ stakeholders | * Review and revise regulations and enforcement in relation to fish species conservation. * Review and revise regulations in relation to fisheries to tackle IUU and destructive fishing activities and gears, and enhance enforcement * Strengthen the capacity of surveillance and patrol for fish through training course and support to equipment and infrastructure to patrolling team (smart patrolling, GIS, Lens and etc.) * Provide support to awareness raising programs | * Ensure the protection of key species through the enhancement of enforcement mechanisms and the support to awareness programs. | * Difficult to get the recognition from GAD and relevant departments to the patrolling groups * High and recurring patrolling costs | * Bio-diversity Monitoring Training * Smart Patrolling Training |
| 8 | Arrest and actions | * Disseminate the arresting and action program’s objectives/ messages to fishery communities * Create local network for better communication system among fishery communities to monitor illegal fishing in a timely manner. * Systematic recording on illegal fishing by photo or video taking using phone or camera and share in time to concerned authority or government agencies * Support to local authority or DoF to be able to take action on illegal fishermen in line with existing fishery law | * Review the arresting and action mechanisms in the 4/2018 Ayeyarwaddy Fresh Water Fishery Law and By-law * Facilitate and encourage the FDAs and management committees to follow the new laws on developing the management and law-enforcement plan * Create the communication channels between fishery communities and government agencies for timely reporting on illegal fishing | * Communities’ practices improvement in following the legal fishing | * Nil | * Law Awareness Raising |
| 9 | Penalties | * Coordinate with local authority and DoF on developing the penalties for illegal fishing * Identify the penalties based on the type of illegal fishing practices according to the existing fisher law * Share the different types of penalties per illegal fishing practices to the fishery communities and multi-stakeholders | * Support to FDAs and management committees to work in collaboration with DoF and local authorities through a series of meetings to ensure that the penalties in the management plan are in line with existing fishery law. | * Reduce the illegal fishing practices and protect the fishery resources | * Nil | * Law Awareness Raising |
| 10 | Documentation and Reporting | * Documenting the program implementation and process including conservation, patrolling, awareness raising, etc. * Regular progress reporting to FDAs, local authority, DoF, FD and project team * Disseminate progress reports to the development agencies in approved reporting format and measurement framework for systematic documentation and update. * Regular recording and documentation of the meetings, workshops and activity implementation processes (including the decisions of meetings, workshops, etc.) * Creating the better filing system to protect important documents (instructions, guidelines, recommendations, suggestions from local authority and multi-agencies) for validation and future reference. * Organize the committee meetings for regular updating of documented information | * Strengthen the capacity of FDAs and management committee for regular reporting and documentation * Regular collecting the progress reports from FDAs and management committees and share the key findings/ achievements to Policy makers of different levels * Support reporting template and measurement framework for systematic recording and reporting | * Improve documentation alongside of plan implementation and reporting | * Poor knowledge for report writing and meeting minute note taking | * Documenting and Reporting Training |
| 11 | Governance Structures & System | * Organize fishery co-management committees at village and village tract levels in line with new fishery law * Identify the structures, ToR and R&R of management committees in collaboration with fishery communities, VDCs and FDAs * Share the committee information including structures and ToR to DoF and FDAs for recognition * Organize regular coordination meetings involving the committee members with the support of FDAs * Support FDAs to advocate for better fishery management system by sharing the field-level issues faced by the fishers. * Establishment of reporting system and regular reporting to FDAs | * Organize management committees at different levels and identify Rules and Regulations * Ensure regular meetings to analyze existing composition of the committees, identify constraints to the management of resources in the targeted area, and monitoring and evaluation of the management plan. * Encourage and support the community and interest groups in decision-making in resource management and involvement in environmental research and monitoring. * Install the series of documentation system | * Establish and implement transboundary multi-stakeholder * Management Committee and other related local or region/state-level governance bodies to ensure the continual and effective implementation and monitoring of the management plan. | * Poor financial capital for regular coordination meeting | * Good Governance Training * Group/ Association Forming Training |
| 12 | Fishing Right Allocation and License for fishermen | * Work with FDAs and DoF to obtain permission for fishing by assessing the gears and fishing boats being used locally. * Enable fishing licences for fishermen who fish in line with the accepted criteria to operate in the co-management area * Support to approved fishermen for registration at DoF and township FDA * Conduct awareness for fish collectors not to buy the under size (juvenile) fish and crabs and support for collecting licence through management committee * Carry out regular monitoring of fishermen to ensure legal fishing with approved gears | * Support to FDAs and management committees for coordination and negotiation with DoF in giving the permission for fishermen to fish at co-management area based on the criteria | * Enhance communities’ fishing right for livelihood survival | * Poor participation of government agencies in coordination with fish collectors not to collect under-size fish | * Advocacy Training |
| 13 | Fishery Revenue Collection | * Deliver awareness programmes on fishery revenue collection to the communities * Ascertain the fishermen’s views on the issues in existing fishery revenue system * Discuss with fishery communities for better payment system and date * Collect the revenue from fishermen with systematic recording and reporting to FDAs * Pay the collected revenue to DoF on time with recorded documents * Save the original revenue receipt invoices of DoF at FDAs and share copy to fishery communities | * Review on the existing fishery revenue collection practices * Organize fishery revenue awareness training, campaign and provide formats * Coordinate with government agencies and identify the ToR and R&R of fishery association for Revenue Collection | * Enhance community led fishery revenue collection system | * SSF can’t provide the tax in timely | * Fishery Revenue Awareness |
| 14 | Coordination and Information Sharing | * Organize regular coordination meetings at village and village tract levels * Systematic documenting on meetings and workshops’ results and submit to FDAs of different levels * Information on progress with the programme, including financial update to be shared through regular meetings * Encourage the fishery communities and members of FDAs to enhance their participation at meetings and workshops * Prepare and arrange for the participation of local authority and governmental agencies at meetings/ workshops * Set the ToR and R&R for regular coordination meetings and actions/penalties for absentees without prior intimation. * Discuss with FDAs about agenda setting and share advance to proposed participants to get more participation and ideas | * Encourage and support the communities for regular coordination and reporting to Governmental Departments and facilitate the involvement of Government Agencies at communities meetings * Strengthening the FDA and management committees for effective collaboration and coordination with different level stakeholders for sustainable natural resource perspectives * Organize excursion or short trips for the FDAs and Management Committees to selected sites that demonstrate effective Fishery Resource management. * Present the management plan of targeted areas at different levels when possible | * Regular coordination mechanism with Multi-stakeholders and knowledge sharing platform | * Nil | * Coordination and Facilitation Training |
| 15 | Fund Raising | * Open bank account with 3 committee members in line with new fishery law * Collect the membership fees from fishermen * Save money obtained through penalties on illegal fishermen * Work and coordinate with development agencies for potential fundraising opportunities * Link with FDAs and NGOs for alternative livelihood/ income generation opportunities * Regular updating the financial expenditure at the village meetings | * Mapping the proper fund opportunities for FDAs and communities led resource conservation program * Strengthen FDA for financial management and business plan development * Support alternative livelihood opportunities for fishery communities * Create linkages with MFI for better financial opportunities | * Improve financial resources for sustainable fishery and alternative livelihood opportunities | * Nil | * Financial Management Training * SME and business planning training (Alternative livelihood options) * Introduce SSA models and promote for sustainable aquaculture model to enhance science-based management * Improve fishery value chain and support post-harvest training e.g. fish paste, dried fish marketing |