

An Integrated Approach for Master Plan Development **Project to Increase Aquaculture Production Through** **Conservation and Development of the Aquatic Eco-Systems** **Associated with Lagoons and Inland Waters of Sri Lanka**

As Presented by

H. M. K. J. B. Gunarathna

Senior Assistant Secretary (Development)

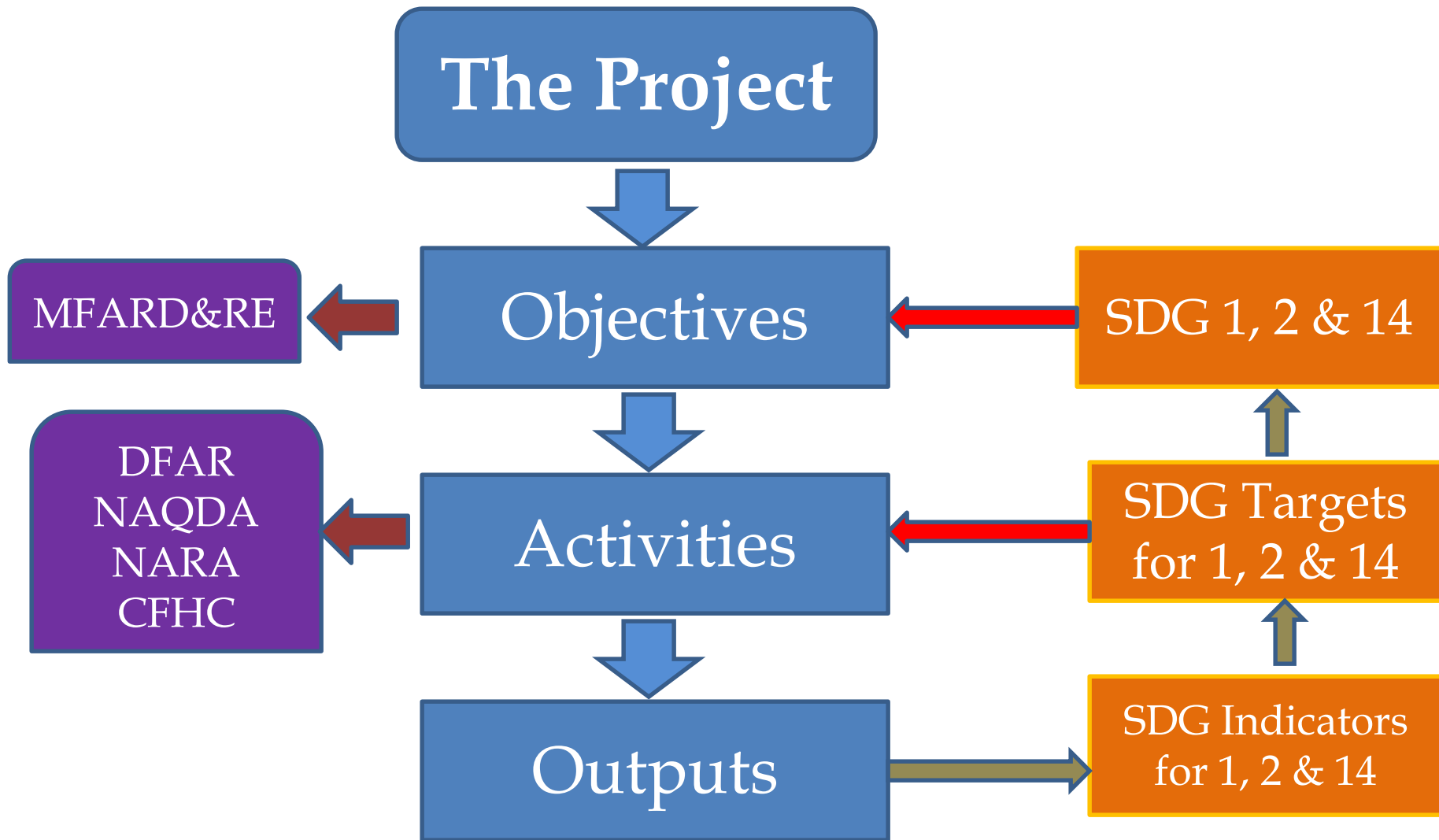
Ministry Agriculture, Rural Economic Affairs, Livestock Development, Irrigation and Fisheries & Aquatic Resources Development



SDG Related to Fisheries Sector

- **Goal 1.** End poverty in all its forms everywhere
- **Goal 2.** End hunger, achieve food security and improved nutrition and promote sustainable agriculture
- **Goal 14.** Conserve and sustainably use the oceans, seas and marine resources for sustainable development

Project Framework



Policy Objectives of the Ministry

- Generate employment opportunities and improve quality of life of the fishing community
- Enhance per capita fish intake and ensure food security
- Minimize post-harvest losses, improve quality and hygienic condition of fish
- Increase foreign exchange earnings through exports and increase contribution to GDP growth
- Conservation and management of aquatic resources ensuring responsible fisheries

Project Objectives

- It has been identified lagoon as an underutilized natural resource which could be increased productivity by using efficiently.
- By implementing this project Ministry is expecting to achieve following main objectives.
 - Conserving and utilizing lagoon ecosystem in sustainable manner
 - Increasing the fish production
 - Develop multiple economic functions in and around lagoons

Project Activities

- Dredging and cleaning
- Develop fishery infrastructure facilities
- Increase the income through growth of fish production
- Create new job opportunities
- Develop fishery related industries
- Attract large and middle scale investors (local/foreign) through promoting lagoon aquaculture
- Introduce and implement fishery post-harvest and value added livelihood development projects
- Increase living strands of lagoon fishers by developing common infrastructure in and around
- Improve housing and sanitary facilities of lagoon fishers

Project Activities cont...

- Create alternative livelihoods for lagoon fishers
- Conserve lagoons through providing physical and livelihood resettlements for illegal encroaches and control further encroachments
- Develop urban and public entertainments/recreational facilities
- Develop tourism and related industries
- Utilize 300 under-utilized reservoirs in wet zone for culture based fisheries and create 300 fishery related 3,000 job opportunities and contribute LKRM 500 for rural
- Promote local fish consumption
- Increase fish export and earn foreign exchange

Project Deliverables

- Public infrastructure development
- Fisheries infrastructure development
- Clean the Lagoons (Dredging/cleaning if required)
- Aquaculture development
- Annual stocking - species to be stocked has to be identifies
- Integrated development - tourism and related activities
- Integrated development - urban development related activities
- Implementing effective Public Private Partnership (PPP) projects for selected lagoons which will include recommendation for maximum utilization of under-utilized resources

Master Plan Development

Overall objective is to prepare master plan for following lagoons under 4 clusters for sustainable utilization & development of the resources under green economy concept

Cluster	Lagoons	Consultancy firm
Cluster A	Chilaw, Mundal & Puttalam	TEAMS (Pvt) Ltd
Cluster B	Jaffna, Uppu Aru & Thondamanaru	Master Hellie's Engineering Consultants (Pvt) Ltd
Cluster C	Rekawa & Koggala	TEAMS (Pvt) Ltd
Cluster D	Panama & Arugambay	Multi Tech Solutions (Pvt) Ltd.

Major Deliverables of Master Plan Development

Report on stakeholder discussions and Community consultation (PRA/RRA)

Rapid Assessment Survey

SWOT analysis

Preparation of a draft Master plan and a plan of action

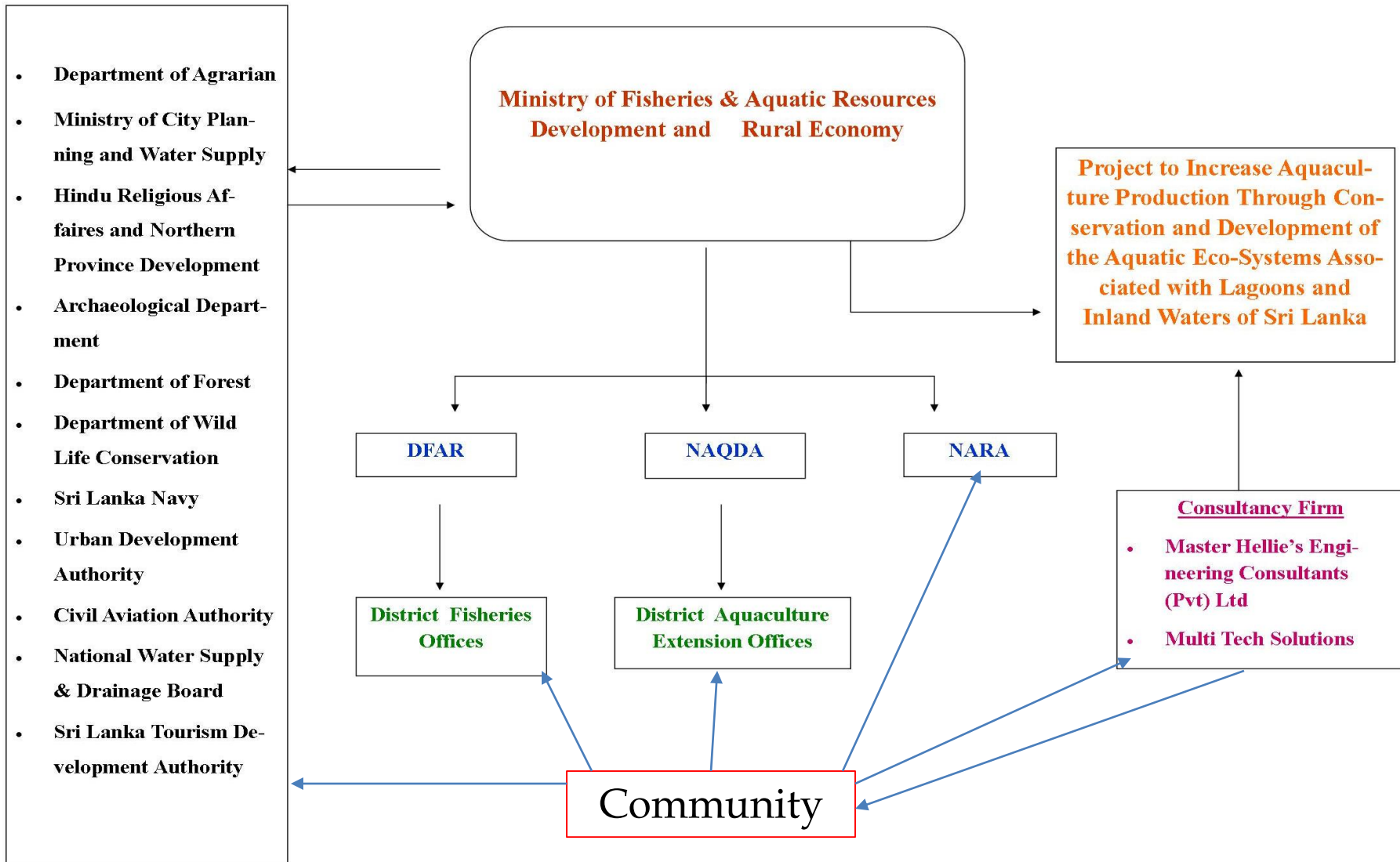
Provide draft master plan and client approval

Preparation of technical specifications

Major Deliverables of Master Plan Development cont..

- Design review and approval (By Community as well)
- Master Plan with plane of actions on starting up concurrent activities as identified, and evidence of start-up
- Recommendation on project sustainability including community participation, community-based management, institutional arrangement etc.
- Recommendation for next stage of development including further actions to be undertaken (identification of future projects, programmer ideas and detailed TOR for pre-feasibility and feasibility studies)

Stakeholders



Duties & Responsibilities of Stakeholders

- Coordination at lagoon levels in related with all project activities
- Social mobilization activities and orientation them on facilitator role in village level to be played
- Provide guidance in planning and conducting social mobilization activities related and actively participate in such activities
- Providing early warning of the problematic interventions and processes that need corrective action
- Ensure that applicable guidelines and criteria on environment are complied with the requirements during construction

Matter to be fulfilled by Consultants

- Consultant will provide community participatory sustainable conservation proposals with activity plan
- Dredging, Cleaning and conservation of lagoons
- Consultant shall give zoning plan for each lagoons
- Community Empowerment; Project planning approach shall be community based approach and core-management aspects are ensured by consultants
- Increase fish production
 - Carrying capacity of the lagoon should be evaluated
 - Necessary recommendations have to be made for culture based fisheries
- Data collections

Thank you