INSTITUTIONAL PLAN FOR EMP IMPLEMENTATION

CHAPTER IX

Bagtingon Small Reservoir Irrigation Project (BSRIP)

Barangay Bagtingon, Buenavista, Marinduque

9 Institutional plan for EMP implementation

The implementation of EMP will require an institutional plan or arrangements to determine responsibilities, reporting, and enforcement of the EMP.

The required institutional capability includes staff skills, tools and equipment, and monitoring or surveillance program, including periodic progress reports to be established and continued by the project proponent following granting of approval for the project to proceed.

The main mechanism for the implementation of the EMP is the establishment of an Environmental Management Office (EMO). The EMO is to be established, with sufficient staffing and budget, as part of the proponent's PMO. Environmental staff in this office work alongside the construction and operation personnel to ensure that the measures and requirements outlined in the EMP are carried out. The establishment and funding of an EMO are essential insurance for environmentally sound projects.

The PMO will establish an EMO prior to the project's commencement of construction. The PMO will consider EMO's funding for staffing, inspections, and monitoring done by other agencies on behalf of the EMO. The fund will need to cover construction and operation and the project's main and support facilities. For major projects, the EMO staff should include an environmentalist, an ecologist, a sociologist, and an economist.

The basic functions that must be discharged to implement the EMP change as the project moves through its various phases:

- ***Pre-construction Phase***
  - Establish the EMO
  - Incorporate appropriate mitigation in the final design
  - Finalize construction contract requirements for mitigation and monitoring.
- ***Construction Phase.***
  - Ensure the construction contract requirements are fulfilled.
  - Validate requirements to incorporate basic health and safety requirements
  - Ensure the project works and mitigation measures are environmentally sound
- ***Operation Phase***
  - EMO to undertake monitoring, identify problems and recommend corrective measures.

There is a number of functions that must be discharged throughout the implementation of the EMP. These include liaison work with environmental agencies, preparation, and distribution of periodic reports, preparation of press releases, public participation and consultation, and benefit-cost analysis of the EMP. Figure 9-1 shows the organizational chart for the Institutional Plan for Environmental Monitoring.

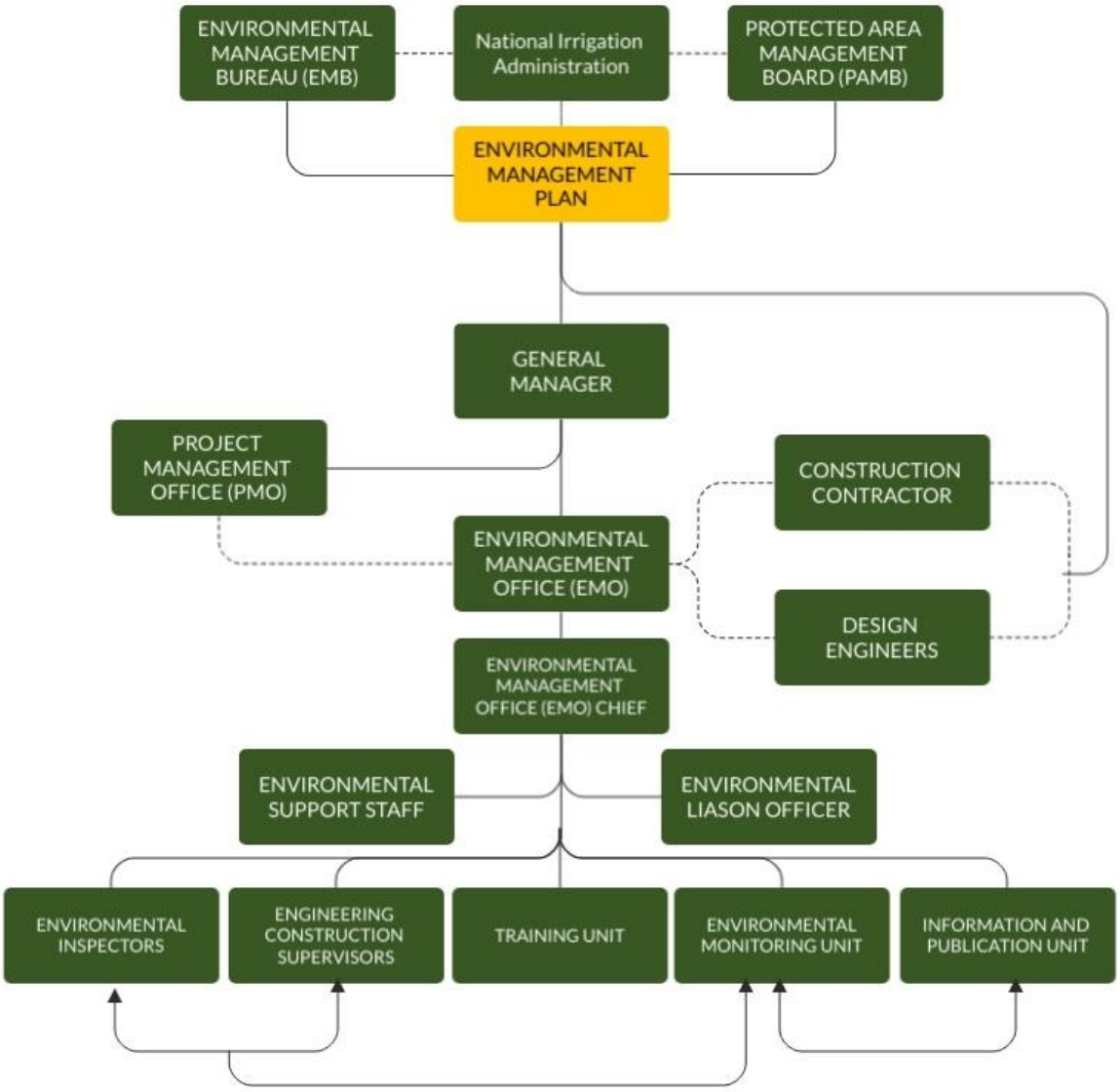

Figure 9-1 Organizational Chart for the Institutional Plan for EMP

Table 8-1 shows the following parameters that should take into consideration in the institutional plan for the implementation of EMP:

- the objectives of a given parameter,
- the activities to be undertaken;
- responsibility among the team members or the organization; and
- the schedules and the expected results per parameter.

In the process of institutionalizing the planned implementation, a technical resource unit/person will be considered to oversee the extent of unit members' understanding or involvement in the activity. It holds on until such time that the technical resource unit/person exits from the scene.

Table 9-1 Institutional matrix for EMP implementation

Parameters	Objectives	Activities	Responsible Parties	Schedule	Expected Results
Initiation, development and organizational formation	• To develop a working organization to have an effective environmental monitoring plan and activities on a sustainable basis to achieve ecological, health and food security.	• Institutional arrangements	• Proponent • Resource person	Pre-construction phase	Concerned agencies, public or private, shall have been informed
		• Program/plan briefing	• Proponent • Resource person	Pre-construction phase	Participatory agencies shall have realized the importance of environmental monitoring plans/programs
		• Advocacy and social mobilization	• Proponent • Resource person	Pre-construction phase	Participatory units/agencies shall have been encouraged to be involved
		• Organizational formation (of EMO)	• Proponent • Resource person	Pre-construction phase	Technical working organization on environmental management planning shall have been established.
Institutional capability building	• To facilitate institutional and societal adaptations to changes this may affect the client system.	• Consultative meetings concerned (re: institutional responsibility, reporting requirements, systems/mechanics of EMP implementation)	• Proponent • EMO Officers • Resource person	Pre-construction phase Pre-EMP Implementation	Members of EMO shall have the goals, requirements, responsibilities and the mechanics in implementing EMO.
	• To encourage public support in designing	• Technology and skills enhancement (i.e., seminars, conference,	• Proponent • EMO Officers • Resource speaker(s)	Pre-EMP Implementation	EMO membership shall have enhanced knowledge and skills in designing and implementing EMP

Parameters	Objectives	Activities	Responsible Parties	Schedule	Expected Results
	and implementing EMP.	other educational methodologies)			
		Briefing on planned environmental monitoring activities	• EMO Officers Proponent Resource person	Pre-EMP Implementation	People in the communities shall have voiced their view towards environmental planning.
		Formulation of EMP (includes the provision of tools/equipment and financial requirements for its implementation)	• EMO memberships • Resource person	Pre-construction phase	The EMP shall have been formulated.
		Briefing on the formulated EMP	• EMO technical membership • Proponent Concerned communities	Start of construction phase	Everyone concerned shall have internalized the EMP and their respective roles/responsibilities.
Sustained linkages/networking and interaction	To enhance popular participation among client systems vis-à-vis the various project actors involved in EMP implementation.	• Sustained liaison work with environmental and other concerned agencies • Sustained IEC activities	• Proponent • EMO technical membership • Resource person	Operation/construction phase	Linkages/networking and interaction shall have been strengthened/sustained.
EMP implementation and monitoring	To enhance the implementation of EMP and identify potential/significant environmental issues/impact on concerned communities	Community vigilance in the EMP implementation	• Local officials • Assigned local groups • Resource person	Operation/construction phase	Communities' knowledge of on-going activities and ensuring issues
		Regular monitoring and documentation in EMP and other project implementation	• EMO technical member on specific subject area	Operation phase	Those concerned would be more knowledgeable on on-going activities and adjustments to be done (if any) in the operation.

Parameters	Objectives	Activities	Responsible Parties	Schedule	Expected Results
			• Local officials Resource person		
		Interactions of EMOs and the communities	• EMO membership • Proponent • Local officials • Representative of the communities	Operation phase	Those concerned shall have exchanged views and have promoted better understanding/relationships towards enhancing EMP implementation
In-house program review and replanning	To assess the implementation of EMP and related projects/activities relative to EMP objectives, institutional responsibility, resources used benefits-cost analysis, problems encountered and subsequent p/p/a to be done.	Assessment of reports, records and other relevant data and information relative to the implementation of environmental management p/p/a.	• Proponent • EMO membership • Local Officials • Representatives of the communities • Invited technical personnel/resource persons.	Year-end operations phase	Everyone concerned shall have better understanding and shall have learned some lessons in implementing EMP and enhance tourism projects but preserve/conserve the bio-physical and social conditions of the area.
		Packaging social tools and techniques and lessons learned in the implementation of the EMP	• Proponent • EMO membership • Local Officials • Representatives of the communities • Invited technical personnel/resource persons.	Year-end operations phase	

Parameters	Objectives	Activities	Responsible Parties	Schedule	Expected Results
		Replanning/reprogramming	• Proponent • EMO membership • Local Officials • Representatives of the communities • Invited technical personnel/resource persons.	Year-end operations phase	A new integrated Environmental Monitoring Plans/Projects shall have been done.
Full turn-over of plan/project implementation EMO		Press releases/promotional advertisements/notices in strategic areas of the communities concerned or in other strategic areas.	Proponent	Year-end operations phase or quarterly	For everyone's understanding/knowledgeability
		Turn-over and exit of technical resource person	• Technical resource person(s)/ • group • Proponent		Technical working group of the project proponent shall have internalized EMP implementation and its attendant activities.