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EMERGENCY RESPONSE POLICY AND GENERIC GUIDELINES CHAPTER VII

Bagtingon Small Reservoir Irrigation Project (BSRIP)

Barangay Bagtingon, Buenavista, Marinduque

7 Emergency Response Policy and Generic Guidelines

7.1 Dam safety and integrity

Dam safety and integrity guidelines will consider the probability of dam failures (e.g. hydraulic, seepage, and structural, as discussed in the ERA) and damaging spillway discharge. For the implementation of Bagtingon SRIP, NIA will comply with its own-released Memorandum Circulars such as:

- MC 2017-18. Adoption of the NIA Standard Terms of Reference (TOR) for the Conduct and Undertaking of Detailed Engineering Studies / Design (DES/DED) of Storage/Reservoir Type Irrigation Projects to be Procured Through Outsourcing Scheme
- MC 2017-19. NIA Standard Process and Procedure for the Preparation and Conduct of Detailed Engineering Design (DED) and Review of Plans/Drawings Including the Design Documentation / Report of Storage/ Reservoir Dams
- MC 2012-18. Monitoring / Upkeeping the Structural Safety of Small Reservoir Dams (Annex 4) with special consideration on climate change intervention, dam condition monitoring, maintenance, data observation analysis, and mechanisms during dam spill situations.

7.2 Emergency Response Policy and Guidelines

NIA also released Memorandum Circular for emergency response specifically MC 2019-35 or the NIA Disaster Risk Reduction and Management Plan (2019-2023). This MC outlines NIA's policies in disaster prevention and mitigation, disaster preparedness and response, and lastly disaster rehabilitation for dams. The MC also outlines how NIA will mobilize resources during an emergency situation.

The MC also provides guidelines on the four major themes specifically:

- Disaster Prevention and Mitigation- aims to prevent hazards and mitigate their impact by reducing vulnerabilities and exposure and at the same time, enhance the capacity of stakeholders (e.g. workers and host communities) in their own disaster prevention, response, and rehabilitation
- Disaster Preparation- aims to establish and strengthen NIA personnel and irrigation communities with necessary skills to cope with threats and impacts of hazards, risks, and vulnerabilities
- Disaster Response- aims to provide basis subsistence needs and social services of affected stakeholders during or immediately after disaster through the coordination of LGUs and relevant government agencies at the national and local level
- Disaster Rehabilitation and Recovery- aims to restore irrigation and drainage facilities and strengthen organizational capacities of affected stakeholders in accordance with "Building Back Better" principles

The Bagtingon SRIP will likewise construct and operate under the guidance of national policies such as the National DRRM Plan and the Philippine Disaster Management System. Furthermore, the project will draft its own Emergency Response that will be undertaken in considering the health and safety of the project's workers and stakeholders within its host communities.

7.3 Emergency Response General Procedure

The general Emergency Response Procedure aims to develop protection measures to protect the lives and reduce damage to assets in the host municipalities of Buenavista and Gasan. This provides an outline of the procedures that will be undertaken during emergencies such as dam failure. This ERP also highlights notification and/or warning during flood releases and extreme weather events occur.

In the event of emergencies, there are four general steps that will be undertaken:

1. Incident reporting, evaluation, and emergency level assessment- Detection of an incident and its evaluation of conditions/events that require emergency response action. Evaluation of emergency levels can be 1) High Flow, 2) Non-failure, 3) Potential Failure, 4) Imminent Failure.
2. Notification and Communication Procedures- Allows all concerned stakeholders to be notified of the event and relevant responders to be deployed as appropriate
3. Emergency Response- Preventive and mitigating measures will be taken to resolve emergency situations
4. Termination and Follow-up- Concerned entities will determine if emergency has been resolved. Once the incident is over, an incident report will be prepared, and follow-up steps will be undertaken as appropriate.