

# Environmental and Social Management Framework

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April 2013 (**ver. 3 April 2013**)

DRAFT ONLY

## Proposed Loan

Republic of the Philippines: National Community-Driven  
Development Project/Community-Driven Development  
Support Project

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## **CURRENCY EQUIVALENTS**

(as of 5 March 2013)

Currency unit	–	peso/s (P)
P1.00	=	\$0.0246
\$1.00	=	P40.71

## **ABBREVIATIONS**

ACT	–	area coordinating team
ADB	–	Asian Development Bank
ADSDPP	–	Ancestral Domain Sustainable Development & Protection Plan
CADT	–	Certificate of Ancestral Domain Title
CDD	–	community-driven development
CEAC	–	Community Empowerment Activity Cycle
CNC	-	Certificate of Non-Coverage
DENR	-	Department of Environment and Natural Resources
DSWD	–	Department of Social Welfare and Development
EARF	-	Environmental Assessment and Review Framework
ECC	-	Environmental Compliance Certificate
EIA	-	Environmental Impact Assessment
EIS	-	Environmental Impact Statement
ESMF	--	Environmental and Social Management Framework
FPA	-	Fertilizer and Pesticide Authority
FPIC	–	free and prior informed consent
GOP	-	Government of the Philippines
GRM	-	Grievance Redress Mechanism
IEE	-	Initial Environmental Examination
IP	–	indigenous peoples
IPRA	–	indigenous peoples rights act
KALAH-CIDSS	–	Kapit-Bisig Laban sa Kahirapan-Comprehensive and Integrated Delivery of Social Services
KC	–	KALAH-CIDSS
M&E	–	Monitoring and Evaluation
MIBF	–	Municipal Inter-Barangay Forum
NCIP	–	National Commission on Indigenous People
NPMO	–	National Project Management Office
PSA	–	Participatory situational analysis

## **GLOSSARY**

Ancestral Domain	Areas generally belonging to indigenous peoples (IPs) comprising lands, inland waters, coastal areas, and natural resources therein, held under a claim of ownership, occupied or possessed by the IPs, by themselves or through their ancestors, communally or individually since time immemorial, continuously to the present except when interrupted by war, force majeure or displacement by force, deceit, stealth or as a consequence of government projects or any other voluntary dealings entered into by government and private individuals/corporations, and which are necessary to ensure their economic, social and cultural welfare. It will include ancestral lands, forests, pasture, residential, agricultural, and other lands individually owned whether alienable and disposable or otherwise, hunting grounds, burial grounds, worship areas, bodies of water, mineral and other natural resources, and lands which may no longer be exclusively occupied by IPs but from which they traditionally had access to for their subsistence and traditional activities, particularly the home ranges of IPs who are still nomadic and/or shifting cultivators.
Ancestral Domain Sustainable Development & Protection Plan (ADSDPP)	Consolidation of plans of IPs within an ancestral domain for the sustainable management and development of their land and natural resources as well as the development of human and cultural resources based on their indigenous knowledge systems and practices.
Ancestral Land	Land occupied, possessed and utilized by individuals, families and clans who are members of the IPs since time immemorial, by themselves or through their predecessors-in-interest, under claims of individual or traditional group ownership, continuously, to the present except when interrupted by war, force majeure or displacement by force, deceit, stealth, or as a consequence of government projects and other voluntary dealings entered into by government and private individuals/corporations including, but not limited to, residential lots, rice terraces or paddies, private forests, swidden farms and tree lots.
Certificate of Ancestral Domain Title (CADT)	A title formally recognizing the rights of possession and ownership of IPs over their ancestral domains identified and delineated in accordance with IPRA.
Certificate of Non-Coverage or CNC	A certification issued by the EMB certifying that, based on the submitted subproject description, the subproject is not covered by the EIS System and is not required to secure an ECC.

Certificate of Non-Overlap	A certificate issued by the NCIP attesting to the fact that the area where a particular plan, program, project or activity will be done, does not overlap with or affect any ancestral domain.
Certification Precondition (CP)	A certificate issued by the NCIP, signed by the Chairperson, attesting to the grant of FPIC by the concerned IPs after appropriate compliance with the requirements provided in this guidelines.
Communal Claims	Claims on land, resources and rights thereon belonging to the whole community within a defined territory
Compensation	<b>R</b> efers to payment in cash or in kind of the replacement costs of the acquired or affected assets.
Consensus-Building	A part of the decision-making process undertaken by the IPs through their indigenous socio-political structures and practices in arriving at a collective/communal decision.
Culture Sensitive	The quality of being compatible and appropriate to the culture, beliefs, customs and traditions, indigenous systems and practices of IPs.
Cumulative Impacts	Additive impacts from various sources
Customary Laws	A body of written or unwritten rules, usages, customs and practices traditionally observed, accepted and recognized by respective IPs.
Customs and Practices	Norms of conduct and patterns of relationships or usages of a community over time accepted and recognized as binding on all members.
EMB Director	The Director of the DENR-EMB at the Central Office
EMB RD / EMB RO Director	The Director of the DENR-EMB at the Regional Office
Environment	Surrounding air, water (both ground and surface), land, flora, fauna, humans and their interrelations.
Environmental Compliance Certificate	A certificate of Environmental Compliance Commitment to which the Proponent conforms with, after DENR-EMB explains the ECC conditions, by signing the sworn undertaking of full responsibility over implementation of specified measures which are necessary to comply with existing

environmental regulations or to operate within best environmental practices that are not currently covered by existing laws.

Environmental Impact Assessment	Process that involves evaluating and predicting the likely impacts of a subproject (including cumulative impacts) on the environment during construction, commissioning ,operation and abandonment. It also includes designing appropriate preventive, mitigating and enhancement measures addressing these consequences to protect the environment and the community's welfare.
Environmental Impact Statement (EIS)	A a document, prepared and submitted by the subproject Proponent and/or EIA Consultant that serves as an application for an ECC. It is a comprehensive study of the significant impacts of a subproject on the environment. It includes an Environmental Management Plan/Program that the Proponent will fund and implement to protect the environment.
Environmental Management Plan/Program (EMP)	Section in the EIS that details the prevention, mitigation, compensation, contingency and monitoring measures to enhance positive impacts and minimize negative impacts and risks of a proposed subproject or undertaking.
Environmental Monitoring Fund (EMF)	Fund that a Proponent shall set up after an ECC is issued for its subproject or undertaking, to be used to support the activities of the multi-partite monitoring team. It shall be immediately accessible and easily disbursable.
Environmentally Critical Area	An environmentally sensitive area declared through Proclamation2146 wherein significant environmental impacts are expected if certain types/thresholds of proposed subprojects are located, developed or implemented in it. Updating of technical descriptions of ECAs is vested on the DENR-EMB through Section 2-D of AO 42 (2002).
Environmentally Critical Subproject (ECP)	Projects belonging to subproject types declared through Proclamation No. 2146 and Proclamation No. 803 which may pose significant negative environmental impact at certain thresholds of operation regardless of location. Updating of technical descriptions of ECPs is vested on the DENR-EMB through Section 2-D of AO 42 (2002), in coordination with the DTI as provided for in Section 3-A of AO 42.
Field-Based Investigation (FBI)	A ground investigation undertaken to determine whether or not the plan, program, project or activity overlaps with, or affects, an ancestral domain, the extent of the affected area, and the IPs whose FPIC is to be obtained.

Free and Prior Informed Consent	A consensus of all members of an IP community to be determined in accordance with their respective customary laws and practices, free from any external manipulation, interference and coercion, and obtained after fully disclosing the intent and scope of the activity, in a language and process understandable to the community.
Indigenous elder/leader	Indigenous elders/leaders emerge from the dynamics of customary laws and practices; they evolve from a lifestyle of conscious assertion and practice of traditional values and beliefs. They are recognized as authority in conflict resolution and peace-building processes, on spiritual rites and ceremonies and in doing so, possess the attributes of wisdom and integrity. They lead and assist the community in decision- making processes towards the protection and promotion of their rights and the sustainable development of their ancestral domains.
Indigenous Knowledge Systems and Practices	Systems, institutions, mechanisms, and technologies comprising a unique body of knowledge evolved through time that embody patterns of relationships between and among peoples and between peoples, their lands and resource environment, including such spheres of relationships which may include social, political, cultural, economic, religious spheres, and which are the direct outcome of the indigenous peoples, responses to certain needs consisting of adaptive mechanisms which have allowed indigenous peoples to survive and thrive within their given socio-cultural and biophysical conditions.
Indigenous People	A group of people or homogenous societies identified by self-ascription and ascription by others, who have continuously lived as organized community on communally bounded and defined territory, and who have, under claims of ownership since time immemorial, occupied, possessed and utilized such territories, sharing common bonds of language, customs, traditions and other distinctive cultural traits, or who have, through resistance to political, social and cultural inroads of colonization, non-indigenous religions and cultures, became historically differentiated from the majority of Filipinos. IPs also include peoples who are regarded as indigenous on account of their descent from the populations which inhabited the country, at the time of conquest or colonization, or at the time of inroads of non-indigenous religions and cultures, or the establishment of present state boundaries, who retain some or all of their own social, economic, cultural and political institutions, but who may have been displaced from their traditional domains or who may have resettled outside their ancestral domains.

Initial Environmental Examination Checklist Report	Simplified checklist version of an IEE Report prescribed by the DENR, to be filled up by a Proponent to identify and assess a subproject's environmental impacts and the mitigation/enhancement measures to address such impacts.
Initial Environmental Examination Report	Document similar to an EIS, but with reduced details and depth of assessment and discussion.
Land Acquisition	Refers to the process whereby a person or entity is compelled by a public agency to alienate all or part of the land a person/entity owns or possesses, to the ownership and possession of that agency for public purpose in return for a consideration
Migrant	A person who is not a native to the ancestral domain or not a part owner of ancestral land but who, as a consequence of social, economic, political or other reasons, such as displacement due to natural disasters, armed conflict, population pressure, or search for seasonal work, opted to occupy and utilize portions of the ancestral land/domain and have since then established residence therein.
Procedural Review	Phase in the ECC application review process to check for the completeness of there required documents, conducted by EIAM Division at the EMB Central Office or Regional Office.
Project Affected Persons (PAPs)	<p>Refers to any person or persons who would be identified, during the subproject identification stage within the CEAC process and/or preparation of detailed proposal - a baseline census information collected for each of the inventories implemented in relation to a particular infrastructure subproject, to be affected by anyof the following circumstances:</p> <ol style="list-style-type: none"> <li>1. Acquisition or possession by the Subproject, in full or in part, permanent or temporary, of any title, right or interest over houses, lands (including but not limited to residential, agricultural and grazing lands) and/or any other fixed/movable assets;</li> <li>2. Acquisition or possession by the subproject of crops (annual and perennial) and trees whether partially or in whole;</li> <li>3. Whose business/livelihood is in part or as a whole affected by the Subproject.</li> </ol>
Project Description	Document, which may also be a chapter in an EIS, that describes the nature, configuration, use of raw materials and natural resources, production system, waste or pollution generation and control and the activities of a proposed subproject. It includes a description of the use of human resources as well as activity timelines, during the pre-construction, construction, operation and abandonment phases.



Proponent	Any natural or juridical person intending to implement a subproject or undertaking (i.e. association, barangay or LGU)
Protected Area	Identified portions of land and water set aside by reasons of their unique physical and biological significance, managed to enhance biological diversity and protected against destructive human exploitation.
Public Participation	open, transparent, gender-sensitive, and community-based public involvement in the EIA process, aimed at ensuring the social acceptability of a subproject or undertaking, involving the broad range of stakeholders, commencing at the earliest possible stage of subproject design and development and continuing until post-assessment monitoring.
Rehabilitation	Refers to compensatory measures provided under these guidelines other than payment of the replacement costs of acquired or affected assets.
Relocation	Refers to the physical movement of a PAP from his/her pre-subproject place or community.
Replacement Cost	Refers to the value determined to be fair compensation for real property based on its productive potential, replacement cost of houses and structures (as reckoned on current fair market price of building materials and labor without depreciation or deductions for salvaged building materials), and the market value of residential land, crops, trees and other commodities.
Resettlement	refers to all “process” taken to mitigate any and all adverse impacts of the subproject on PAP’s property and/or livelihood including compensation, relocation and rehabilitation (where applicable).
Scoping	the stage in the EIS System where information and subproject impact assessment requirements are more definitely established and focused to provide the Proponent/Community and the stakeholders the final scope of work and terms of reference for the EIS.
Self-governance and Self-determination	The inherent right of IPs to self-governance and self-determination includes the right to pursue their economic, social, and cultural development; promote and protect the integrity of their values, practices and institutions; determine, use and control their own organizational and community leadership systems, institutions, relationships, patterns and processes for decision- making and participation;

Significant Impacts	impact which damage the environment to the point that the environmental resource loses its capacity to sustain life or to continue functioning within baseline levels and efficiency; impacts which need action through prevention, (e.g. change in subproject setting or design) or mitigation (reduce, repair, rehabilitate) or other interventions to protect the environment from being harmed at levels that reduce its functionality for its users or dependent biota.
Social Acceptability	acceptability of a subproject by affected communities based on timely and informed participation in the EIA process particularly with regard to environmental impacts that are of concern to them. Social acceptability within the EIA process administered by the DENR-EMB is limited to its environmental aspects while its other aspects including resolution of conflicts and other social acceptability issues is recognized by the DENR-EMB as falling entirely within the Local Government Unit's jurisdiction and responsibility. The DENR-EMB review process will provide guidance to the LGUs on environmental aspects to consider in its resolution of SA issues, e.g. EMB can advice on nature, extent and magnitude of direct and indirect impacts and impact areas to assuage the people's fears and concerns on environmental pollution, health and safety.
Stakeholders	entities who may be directly and significantly affected by the subproject or undertaking, including the Proponent, government agencies who have mandates over the subproject, local government units who have jurisdiction over the subproject, local communities who may be affected by subproject impacts, locally-based or locally-active NGOs/POs within the impact areas and other public sectors who may be potentially affected by the subproject as defined by the findings of the environmental impact assessment of the subproject.

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## **PART A**

### **INTRODUCTION TO ESMF**

## I. CONTEXT

1. This document presents the environmental and social management framework (ESMF) for the National Community-Driven Development Program (NCDDP) of the Republic of the Philippines. This CDD Project is the government's flagship program to help implement the Philippine Development Plan (PDP) 2011–2016 and the National Anti-Poverty Framework (NAPF) to bring about more equitable access to basic services, reduce poverty, achieve inclusive growth, and improve human development outcomes in the poorest areas of the country. The NCDDP is covering nine hundred (900) of the poorest municipalities in sixteen (16) of the eighteen (18) regions of the country, or approximately twenty-eight percent (28%) of the total population, and is implemented using the Community-Driven Development (CDD) approach. The Department of Social Welfare and Development (DSWD) is the executing agency for the NCDDP, which will be implemented from 2013 to 2018. The World Bank (WB) and the Asian Development Bank (ADB) are financing the NCDDP<sup>1</sup>.
2. Any community driven development initiative must ensure that the GOP, the World Bank and Asian Development Bank policies on environmental and social assessment are met and all subprojects undertaken by the community are environmentally and socially sound and sustainable. Due to its wide coverage, the NCDDP will be working in almost all ecological and social contexts known to the Philippines. In addition, the use of a demand-driven approach for small-scale, local-level public infrastructure means that the subprojects as well as their specific contexts and design elements, and the types of safeguards issues that results from processes that define these elements, are not known prior to implementation, hence the use of this framework document. The ESMF introduces the **social and environmental** screening procedures, management principles and monitoring that must be considered for every CDD subproject proposed and implemented by the community. Out of this framework, an operations manual will be developed by DSWD to detail the environmental and social safeguards requirements for specific types of subprojects proposed. This ESMF is developed consistent with the requirements of the WB's and ADB's safeguards policies.
3. The NCDDP builds on DSWD's ten years of experience in implementing CDD under the Ka-pit-bisig laban sa kahirapan – Comprehensive and Integrated Delivery of Social Services (Kalahi-CIDSS) Project. Based on previous KC experience, majority of the community subprojects of KC are limited in size and scale and fall under category C<sup>2</sup> subprojects that do not pose environmental or social impacts, and hence do not require an environmental assessment but only a review of environmental implications. As of March 30, 2013, of the 9,679 subprojects<sup>3</sup> supported by the Kalahi-CIDSS, no more than 10 subprojects were con-

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<sup>1</sup> The official name of the Project, as approved by the Board of the National Economic and Development Authority (NEDA) of the Government of the Philippines (GOP) is "National Community-Driven Development Program" or NCDDP. The World Bank refers to this Project as the National Community-Driven Development Program (NCDDP), while the Asian Development Bank (ADB) uses the name "Community-Driven Development Support Project (CDDSP)". Both refer to this Project. For purposes of this document, the NCDDP is used, and should be taken to refer to both the WB and ADB Projects.

<sup>2</sup> WB and ADB follow the same screening and categorization of subprojects, i.e., Categories A, B, and C, which are dependent on the assessment of significance of environmental or social impacts. A discussion on WB and ADB categorization is included as **Annex A**.

<sup>3</sup> Based on monitoring data from the Kalahi-CIDSS Engineering Unit.

sidered as environment category B subprojects based on the WB and ADB categorization (Annex A), for which minor impacts are expected and which can be mitigated, and hence required an Initial Government of the Philippines Environmental Examination (IEE). NCDDP is expected to follow this trend and will likely not see a major deviation from the types and scale of subprojects supported under the Kalahi-CIDSS,

4. Noting the minimal environmental and social impacts of subprojects done through the CDD process of Kalahi-CIDSS, the environmental and social safeguards procedures and guidelines have been simplified. There were originally three safeguards documents which served as guidance documents for the Kalahi-CIDSS. This has been simplified from three (3) documents - Environmental Impact Assessment (EIA) Guidelines, Environmental Social Management Framework (ESMF) and the Safeguards Manual – to a streamlined Environmental and Social Management Framework (ESMF). Purpose and Structure of the document
5. This document presents the environmental and social management framework (ESMF) for the NCDDP to ensure that the GOP, WB and ADB policies on environmental and social assessment are met and all subprojects undertaken by the community are environmentally- and socially-sound and sustainable.
6. This ESMF shall lay down the general parameters and guidelines on the NCDDP safeguards. These shall be supported by a more detailed safeguards sub-manual to guide **NCDDP subproject** implementers, community-proponents, and the LGU may be able in complying with both the funding entities (i.e. World Bank, ADB) and the country's environmental and social safeguards requirements for the various subprojects.
7. The document is divided into four parts, described as follows;

Section	Description
Part A: Introduction to the ESMF	This part details the context of the NCDDP as well as details the purpose and outline of this document. This section likewise provides a general description of the subproject and the implementation process at the community level through the Community Empowerment Activity Cycle (CEAC). The section ends with a short description of subproject types, as well as a reference to the NCDDP negative list.
Part B: Safeguards Policy Guidance	This section enumerates the various policies of the Government of the Philippines (GOP), the World Bank (WB) and the ADB on environmental and social safeguards. Detailed description of the specific safeguards policies of the WB and Asian Development Bank (ADB) that may be triggered by the NCDDP are likewise provided.
Part C: Safeguards Processing Guidance	This section provides more detailed guidance on the processing of environmental and social safeguards within the NCDDP, including subprojects screening and classification, preparation of safeguards instruments, disclosure and consultation, and grievance redress.

Part D: Detailed Policy and Processing resources and tools	This section provides additional detailed references, materials, and tools to assist subproject staff in the conduct of safeguards activities and in the preparation of safeguards instruments.
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## II. Project Description

8. The objective of the NCDDP will be **communities in targeted poor municipalities empowered to achieve improved access to services and to participate in more inclusive local planning, budgeting and implementation**. The Project will have the following components (i) subproject Barangay (community) grants, (ii) local capacity building and institutional and support, and (iii) program management and M&E systems enhanced.
9. Component 1: Barangay (community) grants (estimated US\$ 415.5 million IBRD). This component would support two types of assistance to participating barangays. First, planning grants will be made available to communities to support the so called “Community Empowerment Activity Cycle” (CEAC), which is discussed in greater detail in Annex 2. These grants would be used for the orientation, consultation, participatory priority-setting, action planning, review and approval processes for different community subprojects at barangay and inter-barangay (municipal) levels. Planning grants would also support technical assistance inputs to ensure the quality of design and implementation of community infrastructure. Second, investment grants will support community subprojects and activities (community based public infrastructure and services such as roads, bridges, schools, day cares, etc.) that respond to community-identified priorities. An open menu of sectoral investments would be eligible for financing under these grants. The component would also support efforts to strengthen the barangay assembly as a forum for community-local government engagement and local-level governance. The component would ensure financing of a minimum of four-rounds of block grants for subproject investments to all eligible rural municipalities. Block grant financing would be shared between national government (including ODA) and local level counterpart contributions (LCC) from municipal, barangay and communities themselves. Under NCDDP, allocations of municipal block grants would be based on a formula that factors in population and poverty incidence.<sup>4</sup> The average per capita per cycle investment has been increased from Php. 340 (under KALAHI-CIDSS) to Php. 418.
10. Component 1 would also include a contingent disaster response sub-component (US\$ 0.0 IBRD). If triggered, this sub-component would finance rapid response measures and early recovery activities to address disaster, emergency and/or catastrophic events, as needed, at the *barangay* level through community grants implemented following a set of simplified procedures set out in a special NCDDP Disaster Response Operations Manual. Applicable national and World Bank emergency response procedures for procurement and disbursements would be applied.<sup>5</sup> The acceptance by the World Bank of the Disaster Response Operations Manual would be a condition of disbursement under this component.<sup>6</sup> This contingent sub-component is included in the Project to allow DSWD greater flexibility to

<sup>4</sup> As opposed to KALAHI-CIDSS where municipal allocations were based on a fixed per-barangay grant amount.

<sup>5</sup> As per OP/BP 8.00 *Rapid Response to Crises and Emergencies*, and related procedural guidelines.

<sup>6</sup> Unless available at the time of negotiations and it would then be incorporated by reference in the Loan Agreement

respond quickly to national or local emergencies using existing subproject resources and to draw on NCDDP systems (including a network of trained facilitators, community committees and volunteers) to speed-up community response and recovery. The current “negative” list (of ineligible subproject types) would be revised to allow investments that might be called for in a post-disaster or emergency context (such as repair of public buildings, debris removal or short-term wage payments) and which are consistent with relevant World Bank financing guidelines. In addition, the negative list would also be expanded with additional, typical, post-disaster activities that would not be eligible for subproject funding (such as repair of waste management or hazardous material storage facilities, salvage logging, etc.). The activation of the contingent sub-component would be “triggered” by a formal declaration of a state of emergency (at national or local levels) by the Government.

11. Component 2: Local capacity building and implementation support (estimated US\$ 50.6 million IBRD). This component supports the strengthening of municipal LGUs and staff to facilitate, support and oversee the participatory assessments, planning and subproject implementation of community infrastructure; to ensure quality of infrastructure investments and the integrity of resource management; and to monitor and report on subproject progress and results. The component would also provide for greater support and capacity building of MLGUs to enhance local poverty reduction action planning, budget execution and public financial management (in collaboration with DILG and DBM), and to national government agencies at sub-national level to enhance their own community based activities and participation in the NCDDP. This component specifically would finance training, consultant services and other incidental costs.
12. Component 3: Program Administration, Monitoring and Evaluation (estimated US\$ 13.0 million IBRD) to finance the oversight, coordination and overall management of the program. This would include contracting specialized staff and procurement of required goods and financing of incremental operating costs to assist DSWD in the execution, monitoring and reporting of the program at national, regional and regional levels. The component would also support enhancements and streamlining of the current KALAHI-CIDSS monitoring and reporting system, the hiring of additional regional level monitoring officers, design and contracting for specialized studies, and to facilitate regular review of monitoring and evaluation data for management decisions. Such studies will include a review of technical quality and maintenance of infrastructure, an economic analysis of NCDDP subprojects, specific household surveys to track key outcome indicators and a detailed process evaluation of NCDDP, including of procedural variations that are expected to be implemented in different contexts (conflict, disasters, indigenous populations) and of the links with the BUB and regular LGU planning processes. This component would also support the dissemination of lessons learned and relevant training events for different stakeholders. The component would specifically finance consultant services, training/workshops and operating costs (including Project-specific staff).

### **III. Institutional Arrangements on Environment and Social Safeguards**

13. At the national level, environment and social safeguards officers are assigned under the Technical Support Services Division of the National Project Management Office (NPMO) of the DSWD to supervise and assist the regional safeguard officers in ensuring the integration of safeguards in subproject planning and implementation. A safeguards officer will be



assigned for each island cluster. There will be a total of three – one each for Luzon, Visayas and Mindanao.

14. At the Regional Project Management Office (RPMO), technical assistance, **review**, and compliance monitoring of Environmental and Social Safeguards is the responsibility of the **Regional Infrastructure Engineer and the Regional CD Specialist, respectively.**
15. Based on the experiences from KALAH-CIDSS, preparation of preparation of Environmental and Social Safeguards instruments for subprojects at the community level will be the responsibility of the community volunteer members of the subproject preparation team, guided **by** the Area Coordinator (AC), and assisted by the Deputy Area Coordinator (DAC). Monitoring of compliance to safeguards instruments for individual subprojects will be carried out by the barangay subproject management committee (BSPMC). For environmental protection subprojects and subprojects **costing** more than Php2 million, the monitoring will be done by the safeguards officers at the regional level, in coordination with the safeguards officers at the national level under the NPMO (TSSD). In addition, where there will be an increased number of Indigenous Peoples' communities in a given region, regional offices shall hire IP focal persons for IP safeguards<sup>7</sup>. The safeguards officer at the national level will conduct random monitoring of subprojects' **compliance to safeguards requirements.**

#### **IV. CEAC Process**

16. The NCDDP is implemented at the community-level through a participatory problem solving process called the "Community Empowerment Activity Cycle" or the CEAC. The CEAC is a series of activities where local communities collectively work together to analyze local conditions and identify community problems related to poverty, identify, prioritize, and develop solutions, and design and implement subprojects, and manage resources to implement problems identified.
17. There are four basic stages to the CEAC. These are (i) Social Preparation and Participatory Situation Analysis; (ii) Community Planning and Subproject Development; (iii) Community-managed Implementation and CBO Formation, and; (iv) Community-based Monitoring. Each stage is composed of a number of activities that progressively build on each other, and which lead to the implementation of community subprojects. The stages, as well as the activities which form them, shall be implemented in sequence. This means that a community cannot proceed directly to community planning and subproject development without having undergone social preparation-
18. **The NCDDP** processes and steps to ensure safeguards compliance are built directly into the CEAC activities. A more detailed table presentation of the safeguards processing activities along the Community Empowerment Activity Cycle (CEAC) is presented in Annex C of this document.

#### **IV. Overview of subproject Types**

19. Eligible subprojects under the investment grant are based on an open menu. The common subprojects under the Investment Grant, based on the experience of the KALAH-CIDSS Project, include water supply systems, school buildings, access roads, day care centers,

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<sup>7</sup> This recommendation is a result of the assessment and study of the Kalahi-CIDSS experience in relation to IP engagement, commissioned by the World Bank for NCDDP.

health stations, post-harvest facilities, drainage systems, and small irrigation facilities. Proposals on local disaster response and prevention as well as **peace building** will also be considered for the investment grant. Table 1 shows the main types of these subprojects.

**Table 1: Anticipated Subprojects for the NCDDP**

<b>Subproject</b>	<b>Infrastructure/Components</b>
Water supply system	Level 1 or 2 system, communal faucet, communal wells, water tank, water distribution line
School buildings	School building, toilets, and related facilities
Access roads	Road improvement, concreting/paving, road widening, small bridges
Day care centers	Day care building and facilities
Health stations	Barangay health center, medical facilities and supplies
Post-harvest facilities	Post-harvest equipment, rice mill, warehouse
Drainage system and environmental protection measures	Drainage canals, drainage cover, rainwater harvesting system, flood retarding ponds, seawall, river-wall protection, septic tanks and other wastewater management measures, composting facilities, solid waste management and collection
Small irrigation facilities	Irrigation canals

**Source: DSWD**

20. A negative list (**Annex B**) has been developed by DSWD for application under the KALAHI-CIDSS Project, which is also adopted for and applied under NCDDP. The list includes activities that may be harmful to the environment and the people, and hence are ineligible subprojects. The list likewise includes additional types of activities indicated by ADB as prohibited investments based on ADB policies, and a list of excluded areas under National Commission of Indigenous Peoples (NCIP) Administrative Order 3, series of 2012 (AO 3, s2012) - Part III, Section 25. on "Excluded Areas".

## **PART B: SAFEGUARDS POLICY GUIDANCE**

## I. APPLICABLE SAFEGUARDS POLICIES

21. Table 2 below provides a comprehensive list of major environmental, social and related policies of the World Bank, ADB, and the GOP that are to be considered in assessing the potential environmental and social impacts of proposed subprojects, as well as in formulating measures to ensure compliance by subproject implementers, the community-proponents, and the Local Government Units (LGUs).

**Table 2: List of major environmental and social policies and regulations of the WB, ADB and the Government of the Philippines relevant to NCDDP**

<b>I. World Bank</b>	
OP/BP 4.01 Environmental Assessment	
OP/BP 4.12 Involuntary Resettlement	
OP/BP 4.10 Indigenous People	
OP 4.09 Pest Management	
<b>II. Asian Development Bank – SPS 2009</b>	
Safeguard Policy Statement 2009	
SPS 2009. Appendix 1 - Safeguards Requirements 1: Environment	
SPS 2009. Appendix 2 – Safeguards Requirements 2: Involuntary Resettlement	
SPS 2009. Appendix 3 – Safeguards Requirements 3: Indigenous Peoples	
<b>III. Government of the Philippines</b>	
<b>A. Environmental Policies/Regulations</b>	
1. RA 9275	Clean Water Act of 2004
2. RA 10121	Philippine Disaster Risk Reduction Management Act of 2010
3. RA 9147	Wildlife Resources Conservation and Protection Act (2001)
4. RA 9003	Ecological Solid Waste Management Act of 2000
5. RA 8749	Clean Air Act of 1999
6. RA 7942	Philippine Mining Act (1995)
7. RA 7586	National Integrated Protected Areas System (NIPAS) Act of 1992
8. RA 6969	Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990
9. PD 1144	Fertilizer and Pesticide Act
10. RA 8550	Philippine Fisheries Code
11. PD 1067	Water Code of the Philippines (1976)
12. PD 984	Pollution Control Law (1976)
13. PD 705	Revised Forestry Code (1975)
14. PD 1586	Philippine Environmental Impact Assessment (EIA) System

15.	Renewable Energy Act
<b>B. Social Safeguard Policies</b>	
RA 8371	Indigenous Peoples Rights Act (1997)
EO 1035	Acquisition by the Government of Private Real Property or Rights (1985)
RA 8974	Facilitating the Acquisition of Right-of-Way Sites for Infrastructure Subprojects
PD 260	Declaring (various places) as National Shrines, Monuments, and/or Landmarks, defining the implementing agencies and providing funds therefore (1975)
PD 1505	Amending the Presidential Decree No. 260, as amended, by Prohibiting the Unauthorized Modification, Alteration, Repair and Destruction of Original Features of all National Shrines, Monuments, Landmarks and Others Important Historic Edifices (1978)
RA 7279	Urban Development and Housing Act – as it pertains to rights against forced demolition and resettlement
	Comprehensive Land Use Planning
<b>C. Other Related Regulations</b>	
RA 7160	Local Government Code of the Philippines
PD 856	Sanitation Code of the Philippines

22. The table below (Table 3) describes each of the specific WB environmental and social safeguards policies which are applicable under the NCDDP. The first column contains the requirements of the policy and special elements associated with each to be considered given the context of the Project. The second column provides guidance on specific measures and actions required of each party to comply with the WB Policy. The third column lists the range of safeguard instruments that may be adopted and the manner in which to integrate and verify environmental and social due diligence requirements

**Table 3: Detailed description of WB Environmental and Social Safeguards Policy**

Policy and Description	Objectives	Procedures
<b>Environment Safeguards</b>		
<p>WB Environmental Assessment (OP 4.01) –</p> <p>The Bank requires environmental assessment (EA) of Projects proposed for Bank financing to help ensure that they are environmentally sound and sustainable, and thus to improve decision making. EA is a process whose breadth, depth, and type of analysis depend on the nature, scale, and poten-</p>	<p>Under the NCDDP, the subprojects are screened through an Environmental and Social Screening Checklist (ESSC) to assess the level of risk. An Environmental Assessment (EA) may be required depending on the scale and nature of the subprojects proposed. An Environmental Management Plan</p>	<p>The NCDDP Project staff will screen all subprojects early in the identification stage of the CEAC and determine subproject boundaries and classify subprojects into the appropriate safeguards category. The Environmental and Social Screening Checklist (ESSC) is in Annex E.</p> <p>When necessary, for all subprojects, preparation of safeguards</p>

<p>tial environmental impact of the proposed Project.</p>	<p>(EMP) may also be required.</p>	<p>instruments such as EA, EMP et al., may be deferred to implementation, but must be completed before beginning actual civil works.</p> <p>The PMO/regional staff will review and clear the safeguards instruments prepared by the subproject beneficiary for impact identification and appropriateness of proposed mitigation measures.</p> <p>Practical guidance on key EA instruments e.g LARP and ESMP is presented in the Annex F and H respectively.</p>
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## **Pest Management**

<p>WB OP 4.09 – Pest Management</p> <p>It was noted that fifty (50) small irrigation subprojects were financed under KC.</p> <p>In assisting borrowers to manage pests that affect either agriculture or public health, the Bank supports a strategy that promotes the use of biological or environmental control methods and reduces reliance on synthetic chemical pesticides. The Bank supports the use of Integrated Pest Management (IPM) Practices.</p>	<p>This policy will be addressed as part of the screening process to be done at the start of the CEAC process. Purchase of pesticides are not eligible for financing under this Project. This policy seeks to prevent the increased usage of pesticides in areas benefitting from improved irrigation.</p>	<p>The PMO recognizes the need to promote Integrated Pest Management (IPM) training as part of future irrigation subprojects. Communities which will benefit from irrigation subprojects under the NCDDP may have a potential increase in pesticide usage (though not financed by the Project). subproject</p> <p>In these cases the PMO/regional staff will coordinate with the Municipal Agricultural Officer (MAO) of the LGU where the farming communities reside. Adoption of the KASAKALIKASAN program of the Department of Agriculture on Integrated Pest Management will be required as part of the mitigation measures under this type of subproject. Coordination with DA extension staff and the LGU's MAO is integral to this approach. Further guidance shall be provided in the safeguards sub-manual.</p>
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<b>Involuntary Resettle-ment</b>		
<p>WB OP 4.12 –</p> <p>Involuntary Resettlement - Some subprojects may require land acquisition and in the process negatively impact certain households, groups or individuals</p>	<p>Subprojects need to be screened during SP preparation stage for likelihood of land acquisition and its subsequent impacts in terms of loss of shelter, loss of assets or access to assets, and loss of livelihood.</p> <p>Involuntary taking of land or any form of economic displacement must be avoided where feasible or minimized by exploring all alternative subproject designs.</p> <p>If and when lands need to be acquired or livelihoods are affected, the specific guidelines under Annex F must be followed.</p>	<p>RPMO and NPMO safeguards teams to ensure that all land and asset acquisition requirements stipulated in this ESMF have been fully complied with before any civil works start.</p>
<b>Indigenous Peoples</b>		
<p>WB OP 4.10 – Indigenous Peoples</p> <p>Some NCDDP Project sites may be inhabited by indigenous peoples and subproject activities may negatively affect their identity, cultures and customary practices, and in the process further marginalized them.</p>	<p>The social preparation particularly during the Social Investigation and Participatory Situational Analysis (PSA) stages for each beneficiary community must include assessment of presence and situation of IPs with the objective of evaluating the Project's potential effects on them.</p> <p>When IPs are the sole or overwhelming subproject beneficiaries, the elements</p>	<p>DSWD and NCIP shall sign a MOA of partnership and issue joint circular for close coordination at regional, provincial, municipal and community levels.</p> <p>RPMO and NPMO IP specialists shall ensure that IP Plans are prepared for communities where IPs are not the sole or overwhelming beneficiaries of the subprojects. <b>Specific guidance is provided in Annex G.</b></p>

	of an IP Plan would be addressed in the subproject design preparation (given the participatory nature of the NCDDP). Therefore, a separate IP Plan is not required.	
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## II. PHILIPPINE EIS SYSTEM

23. The Department of Environment and Natural Resources (DENR) has procedures for screening and scoping of subprojects under DENR Administrative Order 2003-30. The said order presents subprojects by typology, and classifies specific subprojects within each typology depending on specific thresholds. Based on the EIS system, proponents of subprojects will prepare either a Project Description (PD) or an Initial Environmental Examination (EE) depending on the whether they fall below or above the specified thresholds. The order likewise specifies the need for subproject proponents to secure either an Environmental Compliance Certificate (ECC) or a Certificate of Non-Coverage (CNC), depending on the threshold, as well as processing time of the ECC/CNC application. The detailed threshold of Philippine EIS System / DENR classification matrix, including the specific documentary requirements, is included as **Annex D**.
24. Based on experiences under KALAHYAN-CIDSS, the majority of subprojects under the NCDDP are expected to fall below the thresholds set by the DENR AO 2003-30. Hence community volunteer subproject proponents are expected to only prepare a Project Description, to be included as part of the proposal for subprojects, and secure a CNC.



## **PART C: SAFEGUARDS PROCESSING GUIDANCE**

## I. Safeguards Processing

25. This section describes the safeguards processing guidance to assist with integration of environmental and social safeguards management under the NCDDP. The following guidance shall serve to ensure that potential impacts and practical mitigation measures are identified early on in the planning and development of community subproject proposals, in order to avoid or mitigate potential impact that may be generated by subprojects financed under the NCDDP.

26. Consistent with streamlining the screening and processing of environmental and social safeguards, the NCDDP shall adopt a simplified three step process, as follows:

**First step – Eligibility screening** of all proposed subproject concepts against the negative list (Annex B), to determine eligibility of subprojects for support under NCDDP;

**Second step – Safeguards Screening.** If the subproject is deemed eligible, the subproject is screened using the Environmental and Social Safeguards Checklist or ESSC (**Annex E**) to determine potential safeguards risks, and categorization. The appropriate safeguards instruments are determined through the ESSC. The subproject is also assessed whether it is covered under the Philippine EIA system, using the DENR threshold of subprojects (**Annex D**). Subprojects not covered under the Philippine EIA do not need to secure a Certificate of Non-Coverage (CNC) since a CNC is optional under the law and not a requirement. Instead, subproject proponent/community shall be provided with additional resources, such as the Thematic Environmental Management System (TEMS) Manual developed under the Millenium Challenge Corporation (MCC), and/or the Illustrated Environmental Technical Planning Guidelines developed by WB, to assist them in developing their subproject proposals.

**Third Step – Preparation of Safeguards Instrument.** if the subproject needs a safeguard instrument, this is drafted before start of any civil works. Also, if the subproject is covered under the Philippine EIA system, determine whether (i) an IEE report or an IEE checklist needs to be completed to secure the ECC, or; (ii) only a Subproject Description is needed, particularly for non-covered subprojects. As discussed in the introduction, NCDDP will not involve any Category A subproject based on the Kalahi-CIDSS experience, and based on the types and scale of subprojects demanded and implemented by the community.

27. The environmental and social assessment and review procedures shall apply to proposed subprojects **that pass eligibility screening under the first step above**. The following table outlines the specific tasks and activities to guide subproject staff, community-proponents, and other stakeholders, particularly the LGUs in complying with the NCDDP safeguards requirements.

### A. Subproject Screening and Safeguards Classification

28. The table below describes the standard approach for screening and safeguards classification of community subprojects. The screening and categorization instruments, such as the

Negative List and detailed Environmental and Social Screening Checklist (ESSC) **are** provided as Annex B and E respectively.

Process	Implementation and Verification	Timing (CEAC)
<p>The ACT, in close coordination with their LGU counterparts and assisted by the Regional Specialists and technical staff, shall facilitate screening by community volunteers of subproject concepts to (a) determine eligibility against the negative list of ineligible activities; (b) propose an appropriate Environmental and Social Assessment (ESA) Categorization based on (i) technical and physical features; (ii) environmental and social footprint, and; (iii) prevailing baseline and associated vulnerabilities.; <b>and</b> (c) prepare necessary safeguards instruments.</p> <p>The ACT, assisted by the Regional Safeguards Officers, also determine which safeguards policy is triggered.</p>	<p>The ACT, specifically the Community Facilitators, shall facilitate generation of subproject ideas to address poverty problems identified, and shall discuss and explain the negative list in detail to community volunteers. CFs shall then facilitate discussion and agreement among CVs of eligible and ineligible subprojects based on the negative list.</p> <p>The ACT shall facilitate preparation of more detailed subproject concept forms around the eligible subprojects identified. The ACT shall explain the purpose and rationale of the ESA categorization in detail to CV subproject proponents, who shall then be assisted by the team to categorize their propose subproject concepts, using the Environmental and Social Safeguards Checklist (ESSC).</p> <p>The designated Regional Safeguards Officers shall review the subproject concept categorization based on the subproject concept form and ESSC, and confirm category and safeguards policies triggered. The Regional Safeguards Officers propose and/or confirm scope of safeguards instruments to be developed as a result of the preliminary subproject concept screening and categorization exercise.</p>	<p>Social Preparation and PSA, and the Community Planning and Subproject Development stages, and before the subproject proposal has gone through the required approval and prioritization process.</p>

## B. Preparation of Safeguards Instruments

29. All NCCDP financed subprojects will use the following subproject preparation and implementation guidelines with respect to the preparation of appropriate environmental and social safeguards measures;

**i. Land Acquisition:** Detailed guidance for land and asset valuation, and acquisition, and preparation of Abbreviated Resettlement Action Plans (ARAP) or Resettlement Action Plans (RAP) and Process Frameworks (PF) are provided as Annex F.

**ii. Indigenous Peoples:** Detailed guidance for engaging Indigenous Peoples, as well as the National Commission on Indigenous Peoples, is discussed in Annex G.

**iii. Environmental and Social Management Plan (EMP):** Guidelines for preparing EMPs are presented in Annex H.

30. The table below provides general guidance in the preparation of safeguards instruments.

Process	Implementation and Verification	Timing (CEAC)
<p>Members of the Subproject Preparation Team (PPT), a committee of community volunteer (CV) - proponents of subprojects, prepares all safeguards instruments as part of their subproject proposal.</p> <p>The PPT CVs shall be assisted by the Community Facilitator and other members of the Area Coordinating Team (ACT), under the supervision of the designated regional safeguards officers and other technical staff and specialists of the RPMO.</p>	<p>The Area Coordinator mobilizes members of ACT and Technical Specialists from the RPMO to explain in detail the Subproject's Environment and Social Safeguards policies, procedures, and instruments, and train members of the PPTs in preparing safeguards instruments. Designated RPMO Safeguards Officers as well as members of the Municipal Inter-Agency Committee (MIAC) also undertakes review of the safeguards instruments prepared by the PPTs.</p> <p>Once the RPMO and the MIAC are satisfied with the quality of, and provides certification to, the safeguards instruments, these are included as part of the subproject proposal subjected to (i) Barangay Assembly approval, and; (ii) Inter-Barangay Forum (IBF) prioritization.</p>	<p>Community Planning and Subproject Development stage of the CEAC.</p> <p>The same should be presented to the MIAC for technical review, and approved by the Barangay Assembly (BA) prior to submission to the IBF for prioritization.</p>

### C. Disclosure and Consultation

31. World Bank and ADB safeguards consultation and disclosure requirements will be met through the conduct of Barangay Assemblies (BA) and Inter-Barangay Forums (IBF) activities embedded within the CEAC process, and through disclosure of this framework nationally, through the DSWD and NCDDP Project, and the World Bank websites. In addition, the IP Framework will also be distributed through the National Commission on Indigenous People (NCIP)

32. Preparation of safeguards instruments will also include open and transparent consultation with local communities, subproject beneficiaries, and subproject affected persons, as well as other local and interested stakeholders, as part of the CEAC. Responsibility for the facilitation of the conduct of these activities shall be the responsibility of the Subproject's Area Coordinating Team (ACT).
33. All safeguards documents will be made available through physical copies in the appropriate LGU hall (barangay or municipal hall).

## **II. Grievance Redress**

34. Complaints and grievances relating to any aspect of NCDDP (including environmental and social safeguards policies and/or activities) will be managed following the NCDDP Grievance Redress System (GRS).
35. Complaints and Grievances may be filed through the following means;
- (i) Filing of complaints through a **Grievance Redress Committee (GRC)** Logbook /database – each NCDDP covered barangay **shall form a GRC during the first Barangay Assembly (BA)**. ACTs/MCT shall be required to provide a Logbook to record complaints raised by community member(s) or any individual in relation to NCDDP implementation while RPMOs and NPMO will utilize the existing database system. Non-NCDDP complaints shall be forwarded to the concerned offices/institutions for appropriate action.
  - (ii) Complaints/Grievance Reports via text messages – members of the GRC shall make available official contact numbers for complaints/grievance filing. Grievances can likewise be sent via text to 09189122813 or 09189108010, at email address [kc\\_me\\_central@yahoo.com](mailto:kc_me_central@yahoo.com). These contact numbers and details shall likewise be disclosed during Barangay Assemblies and public gatherings, as well as posted in public places in the municipality and barangay.
  - (iii) Letter addressed to any GRC head or committee member
  - (iv) Add other modes, e.g. direct hotline, social media, and others
36. The Subproject shall determine the validity of complaints filed. The Subproject shall likewise ensure confidentiality until proper venue has been provided to discuss and settle the reported issues.

## **III. Subproject-level Safeguards Monitoring**

37. The NCDDP shall ensure proper monitoring and evaluation of compliance to this **ESMF**. This shall include capture of environmental and social safeguards data integrated into the NCDDP M&E systems, including monitoring arrangements to track compliance to safeguards policies, preparation of safeguards instruments, and implementation of safeguards activities in all stages of the CEAC. The NPMO shall likewise conduct supervision and in-house monitoring of implementation of safeguards instruments. The procedure for monitor-

ing will be guided by the monitoring, evaluation, and reporting arrangements to be further detailed in the safeguards manual, and subject to “no objection” by the WB and ADB.

PART D: DETAILED POLICY AND PROCESSING  
RESOURCES

## Annex A:

### Overview of WB and ADB Project Categorization

1. Project financed by both the WB and ADB are required to undergo an environmental assessment. ADB's Safeguards Policy Statement (2009) clarifies the rational, scope and content of an environment assessment. The SPS (2009) is supported by the Environmental Assessment Guidelines (2003).
2. The Operations Manual–Environmental Considerations (OP/BP4.01), guides the environment safeguards policy of the World Bank. Other environmental policies of the World Bank that are linked to the environmental assessment process are the Policies on Pest Management, Natural Habitats, Forestry, and Cultural Property. These are also taken into consideration and will be addressed in the Community Empowerment and Activity Cycle (CEAC) process and subproject identification.
3. WB and ADB follow the same screening and categorization of subprojects, i.e., Categories A, B, and C, which are dependent on the assessment of significance of environmental or social impacts.
  - (i) **Category A** subprojects normally cause major environmental or social impacts that are irreversible, diverse, or unprecedented. An EIA is required for this subproject.
  - (ii) **Category B** subprojects for which minor impacts are expected and can be mitigated. An IEE is required for this subproject.
  - (iii) **Category C** subprojects do not pose environmental or social impacts. No environmental assessment is required but environmental implications need to be reviewed.
4. For ADB and WB, screening of environmental impacts is done initially using Environmental Screening Checklist that have been developed as tools for environmental categorization and assessment of various subprojects. The checklist developed for various subprojects will be used as reference and integration into the screening and categorization checklists of the NCDDP/CDDSP for the screening of subprojects.
5. The assessment of equivalence of the environmental assessment requirements of the ADB, WB and the GOP shows similarity in terms of using the procedure as a tool for subproject planning wherein environmental assessment should be done before subproject implementation. However, the scope of the environmental assessment of the GOP differs from that of the ADB and WB in terms of categorization. GOP categorization is generally based on scale and size of the subproject whereas ADB's and WB's categorization is based on the significance of the environmental impact of the particular subproject.



## Annex B:

### NCDDP/CDDSP Negative List

1. The following are NCDDP ineligible subproject activities, combining both the KALAH-I-CIDSS list of ineligible activities, as well as additional activities expressly prohibited by ADB policies.
  - Purchase or compensation for land;
  - Road construction into protected areas;
  - Repair of government offices;
  - Meeting halls and places of worship;
  - Environmentally hazardous materials such as chainsaws, explosives, pesticides, herbicides, insecticides, asbestos and other potentially dangerous materials. In addition, ADB policies expressly prohibit production of, trade in, or use of unbounded asbestos fibers;
  - Fishing boats (beyond the weight limit set by BFAR);
  - Activities that have alternative prior sources of committed funding;
  - Activities for fiesta and other religious and cultural activities;
  - International travel;
  - Salaried activities that employ children below the age of 16, and production or activities involving harmful or exploitative forms of forced labor or child labor;
  - Consumption items;
  - Maintenance and operation of infrastructure built from Project funds.
  - Production of or trade in any product or activity deemed illegal under the Philippines laws or regulations or international conventions and agreements or subject of international phaseouts or bans, such as (a) pharmaceuticals, pesticides, and herbicides; (b) ozone-depleting substances, (c) polychlorinated biphenyls and other hazardous chemicals, (d) wildlife or wildlife products regulated under the Convention on International Trade in Endangered Species of Wild Fauna and Flora and (e) transboundary trade in waste or waste products;
  - Production of or trade in weapons and munitions, including paramilitary materials;
  - Production of or trade in alcoholic beverages, excluding beer and wine;
  - Production of or trade in tobacco;
  - Gambling, casinos and equivalent enterprises;
  - Production of or trade in radioactive materials, including nuclear reactors and components thereof;
  - Commercial logging operations or the purchase of logging equipment for use in primary tropical moist forests or old-growth forests; and
  - Marine and coastal fishing practices, such as large-scale pelagic drift net fishing, harmful to vulnerable and protected species in large numbers and damaging to marine biodiversity and habitats.

2. In compliance with the NCIP AO 3, series of 2012 - Part III, Section 25 on “Excluded Areas”, the following areas are likewise excluded from any activity except for the exclusive purposes for which they are identified:
  - a. Sacred grounds and burial sites of indigenous communities;
  - b. Identified international and local cultural and heritage sites;
  - c. Critical areas identified or reserved by the ICCs/IPs for special purposes, and;
  - d. Other areas specifically identified by ICCs/IPs in their Ancestral Domain Sustainable Development Protection Plan, or ADSDPP.

## Annex C:

### Safeguards Processing along the Community Empowerment Activity Cycle (CEAC)

CEAC Process	Safeguards Task and Activities, and Responsible Entity	Output/Tools
<b>1. Social Preparation Stage</b>		
Social Investigation	<p>Community Facilitators (CF) conduct data gathering on the demographic, environmental, and social and cultural situation, to include;</p> <ul style="list-style-type: none"> <li>Review of available documents (MDPs, CLUPs, ADSDPPs, CDPs, etc.)</li> <li>Physical environmental scanning and transectional survey</li> <li>Random interviews of people in the barangay (especially with IP groups, if any) to validate/enhance demographic data</li> </ul> <p>Area Coordinators (AC) engage with NCIP and;</p> <ul style="list-style-type: none"> <li>Determine presence of IP families in the Barangay/ community</li> <li>Get demographic data and secure copy of ADSDPP</li> <li>Gather information on IP traditional structures on representation and decision-making</li> </ul> <p>Deputy Area Coordinators (DAC) gather data on different Projects being implemented by the Municipality.</p>	Community Profile completed (include as annex or refer to ops manual)
Municipal Orientation	<p>AC raise awareness of the NCDDP's Environmental and Social Safeguards among the LGU and other stakeholders, and;</p> <ul style="list-style-type: none"> <li>Share and disclose the salient points of the Project's Environment, IP, Involuntary Resettlement, and Pest Management frameworks and policies.</li> <li>Discuss environment, IP, IR, and PM concerns and issues observed from the SI, and their implications to subproject implementation.</li> <li>Validate if municipal LGU has environmental management plan or CLUP/FLUP (Forest Land Use Plan)/PAMP (Protected Area Management Plan), and relevant ordinances on the environment.</li> </ul> <p>Ensure presence of NCIP and representatives of the IP if in a municipality within or covering an AD (with CADC or CADT).</p>	Minutes of meetings

CEAC Process	Safeguards Task and Activities, and Responsible Entity	Output/Tools
Barangay Consultation	<p>CF raise awareness of the NCDDP's Environmental and Social Safeguards among the community members, the BLGU and other stakeholders, and;</p> <ul style="list-style-type: none"> <li>• Share and disclose the salient points of the Project's Environment, IP, Involuntary Resettlement, and Pest Management frameworks and policies.</li> <li>• Discuss environment, IP, IR, and PM concerns and issues observed from the SI, and the implications and risks to subproject implementation.</li> <li>• Validate if LGU has environmental management plan,</li> </ul> <p>If necessary, CF conduct separate assembly with IP community.</p> <p>CF invite NCIP and representatives of the IP if in a barangay (i) within or covering an AD with CADC or CADT, or a portion thereof, or; (ii) with an IP community.</p> <p>CF facilitates inclusion of IP representative in the PSA, Barangay Representation Team (BRT) and subproject Preparation Team (PPT) and other community volunteer committees elected by the BA.</p>	<p>Minutes of the meeting reflect disclosure of safeguards.</p> <p>Attendance record reflect NCIP/IP presence.</p> <p>PSA CV include IP representative.</p>
Participatory Situation Analysis	<p>CF facilitates identification of environmental and social issues, and risks and vulnerability assessment with community volunteers, using PSA tools.</p> <p>CF facilitates conduct Environmental and Social Screening, using the checklist.</p> <p>CF invite NCIP and representatives of the IP if in a barangay (i) within or covering an AD with CADC or CADT, or a portion thereof, or; (ii) with an IP community.</p> <p>CF facilitates participation of IP in the PSA activities.</p> <p>Cross check of SP concept against list of ineligible activities.</p>	<p>List of screened subprojects compared against list of ineligible activities (negative list)</p> <p>ESS Checklist Form Accomplished</p> <p>Attendance record reflect NCIP/IP presence.</p>
<b>2. Community Planning and Subproject Development</b>		

CEAC Process	Safeguards Task and Activities, and Responsible Entity	Output/Tools
Criteria Setting Workshop	<p>Municipal Coordinating Team (MCT) facilitate LGU sharing of programs, plans, and activities (PPAs) to address local development problems, including PPAs to address environmental and IP concerns.</p> <p>If in a municipality with AD with CADT or CADC, AC facilitate sharing by the IP leader of their ADSDPP.</p> <p>AC facilitate discussion of affirmative action criteria on the environment and social safeguards, for decision by the Municipal Inter-Barangay Forum (MIBF).</p> <p>Ensure IP sensitive and appropriate representation to subproject identification</p> <p>AC invite NCIP and representatives of the IP if in a municipality (i) within or covering an AD with CADC or CADT, or a portion thereof, or; (ii) with an IP community.</p> <p>AC facilitate participation of IP in the CSW discussions. If needed, AC facilitate conduct of separate session of IPs during the CSW.</p> <p>Where applicable, use the Thematic Environmental Management System (TEMS) Manual.</p>	<p>Defined SP concept and scope</p> <p>Criteria set with environmental and social safeguards consideration</p>
Subproject Development Workshop	<p>Regional Specialists and Technical Staff discuss environment and social safeguards requirements with community volunteer – members of Subproject Preparation Teams (PPT), such as;</p> <ul style="list-style-type: none"> <li>• Environmental Screening and identification of subprojects needing CNC or ECC (categorization);</li> <li>• Inventory of land acquisition (i.e. Deed of Donation or DoD, and Right of Way or ROW) requirements, identification of subproject affected persons, and assessment of impact to subproject affected persons;</li> <li>• Review of IP proposed subprojects against ADSDPP, and assessment of potential impact on IP and other vulnerable groups;</li> <li>• Need to undertake IPM training for small irrigation and other related subprojects;</li> </ul> <p>AC invite NCIP and representatives of the IP if in a</p>	<p>Subproject preparation Team Formed</p> <p>Prepared Initial Environmental Examination (IEE) or Subproject Description (PD), Environment and Social Management Plan (ESMP) and Indigenous Peoples Plan, as needed.</p>

CEAC Process	Safeguards Task and Activities, and Responsible Entity	Output/Tools
	<p>municipality (i) within or covering an AD with CADC or CADT, or a portion thereof, or; (ii) with an IP community.</p> <p>CF facilitate attendance and participation of IP members of PPTs in the PDW. If needed, AC facilitate conduct of separate or additional sessions with IPs to further clarify proposal preparation requirements.</p>	
<p>Preparation of Detailed Proposals (<del>Program of Work</del>)</p>	<p>CF facilitate completion by CV members of PPTs of relevant safeguard requirements related to their specific proposed subprojects. This can include one or more of the following, where applicable;</p> <ul style="list-style-type: none"> <li>• Environment and Social Safeguards Checklist (ESSC);</li> <li>• Initial Environmental Examination or Project (subproject) Description;</li> <li>• Environment and Social Management Plan (ESMP);</li> <li>• Resettlement Action Plan (RAP);</li> <li>• Training plan for IPM;</li> <li>• Indigenous Peoples Plan (IPP);</li> </ul> <p>Regional Specialists and Technical Staff, and Municipal Inter-Agency Committee (MIAC) members provide technical assistance to PPT CVs on (i) completion of safeguards documents; (ii) inclusion of safeguards costs, including costs of ESMP, IPM training, IPP, and RAP activities, aside from costs of construction safety and cost estimate of permits, in the costs requirements for proposed subprojects, as needed.</p> <p>AC facilitate review by the Municipal LGU MIAC of safeguards documents, as part of the MIAC technical review of subproject proposals.</p> <p>AC provide NCIP and representatives of the IP if in a municipality (i) within or covering an AD with CADC or CADT, or a portion thereof, or; (ii) with an IP community, with schedule of activities in line with the preparation of detailed subproject proposals.</p> <p>For Irrigation SPs, AC to coordinate with the MAO or DA extension office for IPM training.</p> <p>CF facilitate attendance and participation of IP members of PPTs in the preparation of detailed proposals. If needed, CF facilitate conduct of separate or additional sessions with IPs to further clarify proposal preparation concerns of IPs.</p>	<p>Accomplished ESSC, PD/IEE and ESMP, RAP, training program for IPM, and IPP, as needed.</p>

CEAC Process	Safeguards Task and Activities, and Responsible Entity	Output/Tools
Subproject Approval & Request for Fund Release	<p>AC invite NCIP and representatives of the IP if in a municipality (i) within or covering an AD with CADC or CADT, or a portion thereof, or; (ii) with an IP community, to the inter-barangay forum to prioritize subprojects.</p> <p>CF facilitate attendance and participation of IP members of BRTs and PPTs in the inter-barangay forum. If needed, AC facilitate conduct of separate session of IPs during IBF to gather inputs to deliberations on subproject prioritization.</p> <p>Regional CD Specialist (RCDS), Regional Infrastructure Engineer (RIE), and Regional Finance Analyst (RFA) conduct safeguards due diligence review of RFRs, prior to submission to the NPMO.</p> <p>NPMO Technical Staff conduct safeguards due diligence review of RFRs, prior to funds release.</p> <p>NPMO disclose results of IBF subproject selection and approval, NPMO due diligence review, and funds release status.</p> <p>ACT post safeguards documents (ie. EMP, IPP, etc. locally through posting in the municipal or barangay halls.</p> <p>If RPMO or NPMO due diligence result to adverse findings, RPMO specialists and technical staff conduct subproject proposal revalidation/revision as needed, and subject to IBF concurrence.</p>	<p>RPMO/NPMO approved evaluation of SPs or re-validated and recommended for revision of POW/design if necessary</p> <p>Safeguards documents disclosed locally.</p>
<b>3. Community managed Implementation and CBO Formation</b>		
Pre-Implementation Workshop	<p>Infra. Com/CF/ACT</p> <p>Feed-backing of the ESMP</p> <p>Ensure compliance on IP and LARR frameworks requirements</p> <p>Presentation of ESMP to the Community (includes IPP, entitlements and income restoration programs)</p> <p>Discussion on possible action or activities on how to implement the ESMP</p>	
Implementation of SP, O & M	<p>ACT/RPMO monitor comments, suggestions, complaints through the GRS.</p> <p>Community Volunteer-members of Barangay Subproject Management Committees (BSPMC) implement their</p>	<p>Grievances monitored through GRS.</p>

CEAC Process	Safeguards Task and Activities, and Responsible Entity	Output/Tools
	<p>respective safeguards mitigating measures.</p> <p>Filing of copy of DOD or Certification with the LGU, BSPMC, and the RPMO.</p>	Compliance of mitigating measures
<b>4. Community-based Monitoring</b>		
Community-Based Evaluation	<p>Monitoring of ESMP by BSPMC with monthly monitoring report.</p> <p>For Category B subprojects funded by ADB- preparation of semi-annual environmental monitoring report and submission to ADB for uploading at ADB website.</p> <p>Implementation Of Post subproject mitigating measures as stated in the ESMP</p> <p>Should unanticipated impacts be flagged, conduct a social impact assessment of the affected population and adjustments made per result of the SIA.</p>	For Category B - Semi-annual environmental monitoring report to be uploaded at ADB website
Accountability Review	<p>CVs discuss status of compliance to implementation of safeguards measures during Accountability Reporting (AR) sessions.</p> <p>Conduct of SET</p> <p>O &amp; M Committee</p>	Completed SET



## Annex D:

### Philippine EIS System Thresholds and DENR Requirements for Possible NCDDP Subprojects

Subproject	DENR Classification	DENR Documentary Requirement	ECC/CNC
Water supply system	S.4 - Level 1 – Deep well S.4 - Level 2 – Communal faucet	PD	CNC
	S.3 – 6 wells and more	IEE	ECC
School buildings	E.3 – institutional and other related facilities ≥ 1 hectare (gross floor area)	IEE	ECC
	E.3 – institutional and other related facilities < 1 hectare (gross floor area)	PD	CNC
Access roads	C.4.b – Roads with no critical slope ≥ 2km but <20.0 km	IEE	ECC
	C.4.b – Roads with critical slope ≥2 km but < 10km	IEE	ECC
	C.4.b – Roads < 2km	PD	CNC
	C.4.a – Bridges and viaducts ≥80 m but < 10km	IEE	ECC
	C.4.a – Foot bridges and other bridges <80m	PD	CNC
Day care centers	E.3 - Institutional and other related facilities < 1 hectare (gross floor area)	PD	CNC
Health stations	E.7 – Clinics including rural health units	PD	CNC
Post-harvest facilities	D.4.c- Rice mill > 1 ton/hr	IEE	ECC
	D.4.c – Rice mill ≤ 1 ton/ hr	PD	CNC
	E.13 – Storage facilities ≥ 1 hectare (gross floor area)	IEE	ECC
	E.13 – Storage facilities < 1 hectare (gross floor area)	PD	CNC
Drainage system and environmental protection measures	I.4 – Preventive or proactive measures against potential natural hazards (shore protection, river embankment/river bank stabilization, seawall, etc.	PD	CNC
	S.1 – Impounding system < 25 hectares or impounded water <20 million m <sup>3</sup>	IEE	ECC
	R.6 – Materials Recovery Facilities with composting facilities	IEE	ECC
	R.6 – MRF with material segregation only	PD	CNC
Small irrigation facilities	S.2 – Irrigation system (distribution only) 300 hectares but <1,000 hectare (service area)	IEE	ECC
	S.2 – Irrigation system (distribution only) < 300 hectares (service area)	PD	CNC

Notes: IEE refers to the Initial Environmental Examination; PD – Project (subproject) Description; CNC - Certificate of Non-Coverage; and ECC – Environmental Compliance Certificate

## Annex E:

### Environmental and Social Safeguards Checklist

Name of Subproject:

Location:

Community Representative and Address:

RPMO Representative and Address:

#### I. Subproject Screening:

- a. Has the subproject been screened against the list of ineligible activities (negative list)? If yes, proceed. If no, contact RPMO to conduct screening.

#### II. Site Selection:

- a. When considering the location of a subproject, rate the sensitivity of the proposed site in the following table according to the given criteria. Higher ratings do not necessarily mean that a site is unsuitable. They do indicate a real risk of causing undesirable adverse environmental and social effects, and that more substantial environmental and/or social planning may be required to adequately avoid, mitigate or manage potential effects.

Issues	Site Sensitivity			Rating
	Low	Medium	High	
Natural Habitats	No natural habitats present of any kind	No critical natural habitats; other natural habitats occur	Critical natural habitats present. Within declared protected areas.	
Water quality and water resource availability and use	Water flows exceed any existing demand; low intensity of water use; potential water use conflicts expected to be low; no potential water quality issues.	Medium intensity of water use; multiple water users; water quality issues are important	Intensive water use; multiple water users; potential for conflicts is high; water quality issues are important	

Natural hazards vulnerability, floods, soil stability/erosion	Flat terrain; no potential stability/erosion problems; no known volcanic/seismic/flood risks	Medium slopes; some erosion potential; medium risks from volcanic/seismic flood/typhoons	Mountainous terrain; steep slopes; unstable soils; high erosion potential; volcanic seismic or flood risks.	
Physical Cultural Property	No known or suspected physical cultural heritage sites	Suspected cultural heritage sites; known heritage sites in broader area of influence	Known heritage sites in subproject area	
Involuntary Resettlement	Low population density; dispersed population; legal tenure is well defined;	Medium population density; mixed ownership and land tenure;	High population density; major towns and villages; low income families and/or illegal ownership of land; communal properties.	
Indigenous Peoples	No indigenous population	Dispersed and mixed indigenous populations; highly acculturated indigenous populations	Indigenous territories (CADT), reserves and /or lands; vulnerable indigenous populations.	

### III. Environmental and Social Checklist

		Yes	No
<b>A. Environment - Will the Subproject:</b>			
1	Risk the contamination of drinking water?		
2	Cause poor water drainage and increase the risk of water related diseases such as malaria, dengue and schistosomiasis		
3	Harvest or exploit a significant amount of natural resources such as trees, wood for fuel or water?		

4	Be located within or nearby environmentally sensitive areas, protected areas (e.g. intact natural forests, mangroves, wetlands or threatened species?)		
5	Create a risk of increased soil degradation or erosion?		
6	Create a risk of increasing soil salinity?		
7	Produce, or increase the production of solid wastes (e.g. water, medical/healthcare, domestic or construction wastes)?		
8	Affect the quantity or quality of surface waters (e.g. rivers, streams, wetlands), or groundwater (e.g. wells)		
9	Result in the production of solid or liquid waste, or result in an increase in waste production, during construction or operation?		
If the answer to any question from 1-9 is "Yes", please include an Environmental Management Plan (EMP) with the subproject application			
<b>B. Land Acquisition and access to resources – Will the Subproject:</b>			
10	Require that land (public or private) be acquired (temporarily or permanently) for its development?		
11	Use land that is currently occupied or regularly used for productive purposes (e.g. gardening, farming, pasture, fishing, forests)		
12	Displace individuals, families, businesses?  Have any individuals, families, businesses been displaced up to 2 years prior to subproject enrollment?		
13	Result in the temporary or permanent loss of crops, fruit trees or household infrastructure such as crop storage facilities, outside toilets and kitchens		
14	Result in the involuntary restriction of access by people to legally designated parks and protected areas?		
If the answer to any of the questions 10 -14 is "Yes", please inform the RPMO and prepare appropriate Resettlement Action Plan (RAP).			
<b>C. Indigenous People – Are there:</b>			
15	Any indigenous groups living within the boundaries of, or nearby, the subproject?		
16	Members of these indigenous groups in the area who could benefit from the subproject?		

<i>If the answer to questions 15 or 16 is “Yes” please inform the RPMO and if needed, prepare and Indigenous Peoples Plan (IPP). IPP will only be prepared if affected IPs are a minority in the area.</i>			
<b>D. Pesticides and Agricultural Chemicals - Will the subproject:</b>			
17	Will the subproject increase agricultural productivity? This may happen when the subproject is an irrigation or water impounding activity.		
<i>If the answer to Question 17 is “Yes” please inform the PMO and the Bank Environmental Safeguards Specialist and coordinate with the Municipal Agricultural Officer of the LGU. Integrated Pest Management techniques should be promoted among the beneficiaries.</i>			

# CERTIFICATION

We certify that we have thoroughly examined all the potential adverse effects of this subproject. To the best of our knowledge, the subproject plan as described in the application and associated planning reports (e.g. ESMP, RAP, IPP), if any, will be adequate to avoid or minimize all adverse environmental and social impacts.

Community Representative (signature) .....

PMO team representative (signature).....

Date:.....

## Annex F

### Land and asset valuation, compensation framework, acquisition, and RAP/LARP preparation

#### I. LARR ENTITLEMENT FRAMEWORK

38. The Department of Social Welfare and Development, through the NCDDP National Project Management Office (NPMO), shall work closely with Local Government Units in the implementation of this *Land Acquisition, Resettlement and Rehabilitation Policy Framework and Implementing Guidelines*. The NCDDP NPMO, as represented by the Regional Project Management Offices (RPMO) and the Regional Community Process Specialist, will coordinate with the duly authorized representative/s of the LGU in determining the appropriate compensation for APs/DPs in accordance with the following compensation scheme:
- a. APs/DPs losing more than 20% or all of their productive assets (agricultural land, house or business), or in cases when the remaining assets are not economically viable, are entitled to:
    - (v) full compensation at replacement cost of the entire asset or at direct land/asset replacement and
    - (vi) rehabilitation assistance that allows them to enhance or at least maintain their standard of living.
  - b. APs/DPs losing less than 20% of their productive assets, and where the remaining assets remain viable for continued use, are entitled to cash compensation at replacement cost for the affected asset.
  - c. Agricultural land will be replaced by:
    - (vii) land of equal productive capacity, which is acceptable to the AP/DP; or
    - (viii) full compensation at replacement cost, where land is not available.
  - d. Commercial/residential land (or other real property) will be replaced by:
    - (i) land of equal market value or business potential (as the case may be), which is acceptable to the AP/DP; or
    - (ii) full compensation at current market value, where suitable replacement land is not available or at the informed request of the AP/DP.
  - e. Replacement of damaged or lost crops will be based on full market value for one year's harvest and will be paid in cash.
  - f. APs/DPs whose land is temporarily taken will be compensated at full replacement cost for their net loss of income and/or damaged assets, including a reasonable amount for opportunity cost/s.

- g. Appropriate transfer and subsistence allowances will be given during the transition phase as part of the rehabilitation assistance package to allow APs/DPs to enhance or at least maintain their standards of living.
39. The determination of all these compensation packages should be done prior to the conduct of the Municipal Inter-Agency Committee (MIAC) so that the deed of donation (DOD) or other modes of land acquisition are already completed before the MIAC technical review.

a. APs/DPs LOSING RESIDENTIAL LAND AND STRUCTURES

- (ix) The provision of replacement residential land (house site and garden) of equivalent size, satisfactory to the AP/DP; and cash compensation reflecting full replacement cost of the structures, without depreciation;
- (x) If the AP/DP so wishes and the portion of the land to be lost represents 20% or less of the total area of the residential land area, and the remaining land is still a viable residential lot, cash compensation, at full replacement cost (market value), will be provided to the AP/DP;
- (xi) If after acquisition, the residential land and/or structure is insufficient to rebuild the residential structure lost, then at the request of the AP/DP the entire residential land and structure will be acquired at full replacement cost, without depreciation; and
- (xii) Tenants, who have leased a house for residential purposes will be provided with a cash grant of three months rental fee at the prevailing market rate in the area, and will be assisted in identifying alternative accommodation.

b. APs/DPs LOSING AGRICULTURAL LAND AND/OR CROPS

- (xiii) The general mechanism for compensation of lost agricultural land will be through provision of "land for land" arrangements of equal productive capacity, satisfactory to the AP/DP. However, if the AP/DP so wishes and the portion of the land to be lost represents 20% or less of the total area of the landholding, and the remaining land is still a viable economic holding, cash compensation, at full replacement cost (market value), will be provided to the AP/DP;
- (xiv) If more than 20% of a villager's agricultural land is acquired and the remaining holding is not viable, then the Project will acquire the entire landholding and provide compensation of the acquired land at direct land replacement;
- (xv) APs/DPs will be compensated for the loss of standing crops and fruit or industrial trees at full (current) market price; and
- (xvi) AP/DPs whose land is temporarily taken by the works under the Project will be compensated for their loss of income, standing crops and for the cost of soil restoration and damaged infrastructure, including a reasonable amount for opportunity cost/s.
- (xvii) AP/DPs who will lose their income will be provided opportunities for alternative livelihood, through skills and entrepreneurship training, job matching or business development assistance.

40. AP/DPs will also be provided compensation at full replacement cost, without depreciation for any other fixed assets affected in part or in-toto by the subproject, such as tombs and water wells. In cases where community infrastructure such as schools, churches, health centers, water sources, roads, or electrical and water supply connections are damaged, the Project will ensure that these are restored or repaired as the case may be, at no cost to the community. Additional details are provided in the following Compensation Matrix (**Table 4**).
41. **Assistance to the vulnerable.** Poor APs/DPs, i.e., female-headed households, elderly or with disability and with no other support from kin as well as poor IP APs/DPs are entitled to participate in income restoration programs that will be designed during the pre-implementation stage, and in coordination with the appropriate DSWD offices/units .
42. **Income/livelihood restoration.** The objectives of income/livelihood restoration is to ensure the improvement of the socioeconomic conditions of AP/DPs or at least to bring back the pre-subproject income and living standards of affected families at the subproject sites. This ESMF shall enable the development of sustainable income restoration and rehabilitation strategies that are appropriate for the cultural background and practices of AP/DPs (IPs and non-IPs) in NCDDP sites. Strategies for income and livelihood restoration are **consistent with the overall NCDDP framework** and may include but not limited to: (i) training/capacity building for livelihood/micro-financing, food security in terms of developing sustainable food sources, depending on the crop suitability (elevation, soil type, etc) as well as cultural preference; (ii) prioritized hiring of AP/DPs to serve as contracted human resources for subproject activities; (iii) financial and in-kind assistance support to the poor will be allocated attached to capacity building initiatives. These may be in the form of farm/fisheries supplies and equipment. Costs for income/livelihood restoration strategies for poor APs/DPs shall be included in the total costs of the proposed subproject, subject to the NCDDP negative list. Additional support may likewise be provided in coordination with appropriate DSWD offices and units.

## II. COMPENSATION MATRIX

Asset	Impact Category	AP/DP	Compensation Entitlement
Arable land	Less than 20% of land holding and the remaining land remains economically viable	Farmer/title holder	16. Cash compensation for affected land at full replacement cost
		Tenant/lease holder	17. Cash compensation equivalent to market value of gross harvest of the affected land for one year or for the remaining period of tenancy/lease agreement, whichever is greater.
	More than 20% of land holding lost OR where less than 20% of land holding lost but remaining	Farmer/title holder	18. Land for land replacement or compensation in cash according to AP/DP's choice. Land for land replacement will be in terms of a new parcel of land of equivalent size and crop productivity with a secured tenure



Asset	Impact Category	AP/DP	Compensation Entitlement
	land becomes economically not viable		status at a location acceptable to the AP/DP. The replacement land shall be free of taxes, registration & other costs. 19. Rehabilitation assistance 20. Transfer/resettlement assistance
		Tenant/lease holder	21. Cash compensation equivalent to market value of gross harvest for one year or for the remaining period of tenancy/lease agreement, whichever is greater.
		Agricultural worker	22. Cash compensation equivalent to 6-month salary 23. Assistance in getting alternative employment
Commercial land	Land used for business partially affected, limited loss	Title holder/ bus. Man	24. Cash compensation for affected land at full market value 25. Cash compensation equivalent to 5% of gross annual income
		Rental/lease holder	26. Cash compensation equivalent to 10% of gross annual income.
	Land used for business severely affected, remaining area insufficient for continued use	Title holder/ bus. Man	27. Land for land replacement or compensation in cash according to AP/DP's choice. Land for land replacement will be provided in terms of a new parcel of land of equivalent size and market potential with a secured tenure status at a location acceptable to the AP/DP. The land shall be free of taxes & other transfer costs. 28. Rehabilitation assistance 29. Transfer/resettlement assistance 30. Opportunity cost compensation equivalent to 10% of gross annual income.
		Rental/lease holder	31. Opportunity cost compensation equivalent to 20% of gross annual income. 32. Assistance in rental/lease of alternative land/property
Residential and other non-commercial land	Less than 20% of land holding affected and the remaining land remains viable for present use	Title holder	33. Cash compensation for affected land at full replacement cost
		Rental/lease holder	34. Minimum cash compensation equivalent to 10% of lease/rental fee for the remaining period of rental/lease agreement
	More than 20% of land holding affected OR where less than 20% of	Title holder	35. Land for land replacement or compensation in cash according to AP/DP's choice. Land for land replacement shall be of minimum plot of acceptable size under the zoning law/s

Asset	Impact Category	AP/DP	Compensation Entitlement
	land holding affected but remaining land becomes smaller than minimally accepted under zoning law/s and/or not viable for continued use		<p>or a plot of equivalent size, whichever is larger, in a nearby resettlement area with adequate physical and social infrastructure systems as well as secured tenure status. When the affected holding is larger than the relocation plot, cash compensation to cover the difference in area/size. Replacement land shall be free of taxes, registration and transfer cost.</p> <p>36. Rehabilitation assistance 37. Transfer/resettlement assistance</p>
		Rental/lease holder	<p>38. Cash compensation equivalent to 20% of lease/rental fee for the remaining period of rental/lease agreement 39. Assistance in rental/lease of alternative land/property</p>
Structures (includes public utilities/structures)	Structure partially affected but the remaining structure remains viable for continued use	Owner	<p>40. Cash compensation for affected structure and other fixed assets 41. Full (cash) assistance in restoration of the remaining structure</p>
		Rental/lease holder	<p>42. Cash compensation for affected assets 43. Disturbance compensation equivalent to two-month salary or rental whichever is greater</p>
	Entire structure affected OR structure partially affected but the remaining structure is not viable for continued use	Owner	<p>44. Cash compensation for entire structure and other fixed assets 45. Rehabilitation assistance 46. Transfer/resettlement assistance</p>
		Rental/lease holder	<p>47. Cash compensation for affected assets 48. Disturbance compensation equivalent to six-month salary or rental whichever is greater 49. Assistance in alternative rental arrangements</p>
		Informal dwellers	<p>50. Cash compensation for affected assets 51. Disturbance compensation equivalent to three-month salary or rental whichever is greater</p>
Standing crops	Crops affected by land acquisition or temporary acquisition or easement	AP/DP	52. Cash compensation at full market value PLUS 5% premium
Trees	Trees lost	Title holder	53. Cash compensation based on type, age and productive value of affected trees PLUS 10% premium
Easement	Temporary acquisition or easement	Title holder	54. Minimum cash compensation equivalent to 10% of the value of affected asset



## **C. PROCEDURAL GUIDELINES FOR LAND ACQUISITION AND RESETTLEMENT**

### **1. Inventory and Entitlement**

43. An inventory for each road, bridge, irrigation canal, water supply pipe alignment or segment thereof will be prepared by the Community with the assistance of the Area Coordinating Team or Service Provider. The initial output shall be reviewed and discuss during the barangay assembly prior to the preparation of Land Acquisition, Resettlement and Rehabilitation Plan (LARRP).
44. The information to be obtained in the Inventory will include the following information for each AP/DP household:
- (xviii) number of persons and names;
  - (xix) amount and area of all the residential plots lost;
  - (xx) amount, category/type and area of agricultural land lost;
  - (xxi) quantity and types of crops and trees lost;
  - (xxii) quantity and category of any fixed assets lost; and
  - (xxiii) temporary damage to productive assets.
45. The entitlements of assets and land affected shall be calculated based on the above information and per negotiation approval and acceptance of the community/barangay assembly.

### **b. Preparation of Land Acquisition, Resettlement and Rehabilitation Plan (LARRP)**

46. To ensure that the anticipated negative social impacts of proposed NCDDP community infrastructure subprojects, preparation of Land Acquisition and Resettlement Plan is deemed necessary and shall be part of the subproject proposal that will be submitted to the Regional Project Management Office (RPMO). The outline is attached as Attachment 9-11.
47. The *Full LARRP* shall be required under the following circumstances:
- (xxiv) 200 people or more will experience resettlement effects
  - (xxv) 100 AP/DPs or more are indigenous peoples or in some way vulnerable, e.g., households headed by women, persons without legal title; or
  - (xxvi) 50 AP/DPs or more are particularly vulnerable, e.g., hunter-gatherers, conflict affected persons
48. The Short LARRPs shall be required if the number of AP/DPs do not reach the above level. The recommended outline for LARRP and Short Description on Resettlement (SDR) are found in Attachment 10-11.

49. While ADB consistently uses the same RP outline, triggers for a Full LARRP under WB shall result to a changing in category: from the current category B to category A.<sup>8</sup>

**c. Land Acquisition, Resettlement and Rehabilitation (LARR) in the Subproject Approval Process**

50. The guiding principles contained in this document shall be adapted. The LARRP should reflect the inventory of affected persons and properties, number of persons eligible for each entitlement or form of assistance as stated in the LARR Policy Framework and Implementation Guidelines, cost estimates and arrangements for consultation and participation.

51. If indigenous peoples are among the subproject beneficiaries, the LARRP should include details and documentation on IP consultation which should include:

(xxvii) Extensive consultation with and informed participation of IPs to ensure that development is culturally appropriate;

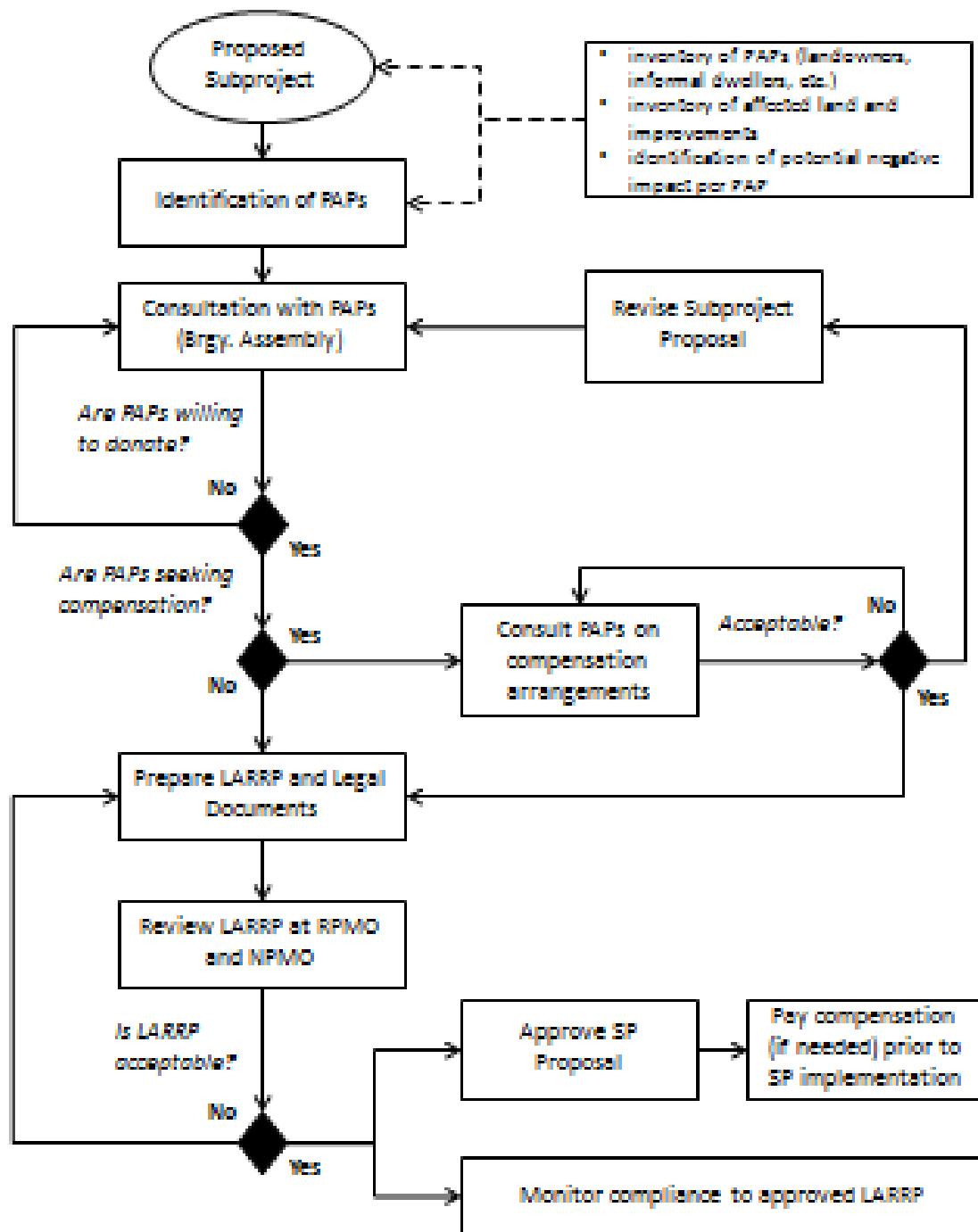
(xxviii) In cases of provision for individual titling, areas with IPs should get IEC sessions so that they are aware of what they are getting into and some of its potential dangers;

(xxix) Capacity building activities

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<sup>8</sup> A proposed subproject is classified as category A if it is likely to have significant involuntary resettlement impacts. A resettlement plan, including assessment of social impacts, is required. A proposed subproject is classified as category B if it includes involuntary resettlement impacts that are not deemed significant. A resettlement plan, including assessment of social impacts, is required. ADB-RSES acts as oversight for category A subprojects, and the managing department for category B subprojects.

Figure 1: LARRP preparation and approval process



52. Payment of compensation and provision of other entitlements (in cash or in-kind) shall be satisfactorily completed for each subproject prior to the commencement of civil works by the community.
53. The same time requirement would apply if AP/DPs voluntarily contribute any part of their land and/or assets for the subproject. That is, all deeds of donations and other relevant legal instruments for each subproject shall be satisfactorily completed prior to the conduct of the MIAC technical review and sequent request for fund release (RFR).

#### **D. VOLUNTARY LAND DONATIONS**

54. In the rural areas where donations of lands for community use are generally practiced, arrangements have to be made to ensure that the donation is indeed voluntarily given, that the donor is the legitimate owner of such lands, and that the donor is fully informed of the nature of the subproject and the implications of donating the property. Should the donor decide to donate the property on a conditional basis, the terms and conditions for the temporary use (usufruct rights) of the property must be clearly stated in the Conditional Deed of Donation document.
55. Under these situations, the following safeguards need to be applied, based on their relevance to the cases being encountered by subproject proponents:
- (xxx) An assessment that the affected person does not suffer a substantial loss affecting his/her economic viability as a result of the donation;
  - (xxxi) Certification from the LGUs and the proponents, that the land is free of claims or encroachments from any third party;
  - (xxxii) Deed of Donation to the LGU (barangay, municipality) concerned or the community organization, as witnessed by the LGU barangay and municipal government officials, notarized by a registered Lawyer, with copies of donation papers furnished the Office of the Municipal Assessor and the Provincial Register of Deeds;
  - (xxxiii) Declaration of Ownership with Waiver of Claims for Affected Assets;
  - (xxxiv) Joint Affidavits of Two Adjoining Landowners or Barangay Officials (for unregistered lands);
  - (xxxv) Waiver of Rights/Quit Claim (for Plants, Trees, Houses, Structures claimed by Tenants, Informal Settlers)
  - (xxxvi) Waiver of Rights/Quit Claim (With Sharing of Claim)
56. As incentive of the LGU to AP/DPs who voluntarily donated portions of their properties to facilitate construction/rehabilitation of the proposed subproject, proponents and LGUs can discuss possible incentive schemes, which may include:
- (xxxvii) Privileges to use community facilities with minimal fees to be paid by donor, as compared to other members of the Association;
  - (xxxviii) Amnesty for payment of back taxes (for those with no Tax Declarations);

- (xxxix) Employment during construction;
- (xl) Transfer/resettlement assistance, when necessary; or
- (xli) Assistance in getting alternative employment.

## **E. RIGHT-OF-WAY VALUATION**

57. In view of Cost-Sharing Arrangement for NCDDP, LGU equity as far as costs related to LARR documentation and implementation, shall cover the following items:

- (xlii) Value of land – depending on the type of area that will be traversed by the subproject
- (xliii) Value of Improvements that will be damaged during construction (crops, trees, structures, etc)
- (xliv) Other costs related to ROW acquisition (inventory of subproject affected stakeholders, consultation with affected individuals, notarization, cost of parcellary survey for annotation of individual land titles, etc.)

58. ROW Valuation shall be subject to the approval of NPMO, based on the submission of the following documents:

- (xlv) Certification from the regional and municipal offices on the submission of complete and correct legal and supporting documents
- (xlvi) Submission of Inventory of Subproject Affected Persons and Improvements
- (xlvii) Submission of Summary Table of Right-of-Way (ROW) valuation with corresponding supporting documents (copy of Deed of Sale/Provincial Assessor's Valuation Schedule/BIR Zonal Valuation Schedule as basis of valuation for land and improvements that will be affected by the proposed subproject)

59. **Validity of ROW Valuation** shall be based on the Minutes of Meeting to be submitted by the MLGU reflecting the following: (a) that consultation with the subproject affected stakeholders has been conducted and they were informed of the proposed subproject(s), (b) that the proposed subproject(s) will traverse private properties which were donated or acquired by the MLGU (please specify), and (c) it was agreed among those present during the consultation that the basis of valuation for: c-1. land shall be Proof of Sale or Land Bank of the Philippine Certification or Provincial Assessor's Valuation or BIR Zonal Valuation (this should be specified in the Minutes of Meeting) and c-2. for improvements that will be damaged during construction, the basis of valuation shall be Provincial Assessor's Valuation or BIR Zonal Valuation or Bill of Materials (this should be specified in the Minutes of Meeting).



## **Annex G:**

### **ENGAGING INDIGENOUS PEOPLES**

#### **I. OBJECTIVES**

1. The NCDDP Project shall (a) ensure the informed participation of indigenous peoples in the activities of the NCDDP in both new and repeat municipalities under the KALAHI-CIDSS Project, so that they are in a position to receive culturally compatible social and economic benefits, and (b) ensure that indigenous peoples are not adversely affected during the development process.
2. The NCDDP Project shall undertake activities to ensure that IPs in Project-covered areas are able to:
  - (xlviii) Provide input to local planning data and activities used and undertaken to determine development priorities;
  - (xlix) Facilitate the choice of community subprojects as coming from the IPs themselves through informed decision-making to address local development challenges;
  - (l) Actively participate and lead in the design, development, and implementation of community subprojects, and;
  - (li) Provide feedback on subproject implementation, and benefits and risks to IP groups.

#### **V. GUIDELINES IN ENGAGING INDIGENOUS PEOPLE**

3. The key element of the NCDDP Project's CDD strategy is facilitated participatory planning and community implementation and management of development activities at the community (barangay) level, through the Community Empowerment Activity Cycle (CEAC)<sup>9</sup>. In ensuring meaningful participation of IPs, NCDDP Area Coordinating Teams (ACTs) shall (a) make use of appropriate mechanisms and structures, and; (b) undertake specific activities, that will enable indigenous groups to meaningfully engage in CEAC activities.

#### **Staff training**

4. Orientation on the IPRA as well as the Project's strategy to address indigenous peoples' concerns, including orientation on the Ancestral Domain Sustainable Development and Protection Plan (ADSDPP) or NCIP Administrative Order No. 1, series of 2004, and the FPIC process (NCIP AO 3 Series of 2012), shall form an integral part of the training program for Project staff at all levels, in order to better prepare Project staff in engaging IP communities in the NCDDP Project. Collaboration with NCIP shall be established to en-

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<sup>9</sup> For a full description of the CEAC Process, please refer to Chapter 3 of the CEAC Field Guide of the KALAHI-CIDSS Project.

sure that trainers are knowledgeable to impart IP-related knowledge and that the training or capacity building processes are IP-friendly.

### **IP engagement along the CEAC**

5. **Social Preparation:** In undertaking CEAC Social Preparation activities, ACTs shall ensure the following:

- (iii) **Engagement with NCIP.** Full engagement and coordination with NCIP across levels, parallel to the Project implementation structure will be observed at Project start. This engagement shall also lead to agreed protocols in compliance with the FPIC process before the Project works with IP communities even at the planning stage.
- (liii) Demographic and other data on the situation of IP communities are gathered by Community Facilitators (CFs) and other members of the ACT as part of Social Investigation (SI), and that these data are used during team meetings and tactic sessions to design activities and calibrate social facilitation plans for IP groups within their covered municipalities.
- (liv) Council of Elders headed by the chieftain leaders and representatives of IP groups, as well as of the National Commission on Indigenous Peoples (NCIP), are present during the conduct of Municipal Orientations.
- (lv) Attendance forms used in Barangay Assemblies will reflect the IP composition of the attendees, as well as capture membership in a particular IP group, of attendees who are IPs. In cases where a particular IP group is underrepresented, the ACT shall conduct additional meetings with the IP group concerned to feedback and gather inputs on concerns raised and decisions to be made in the BA.
- (lvi) IP Leaders and representatives of IP groups are selected as community volunteers for the Participatory Situation Analysis (PSA) activities as selected by the IPs themselves<sup>10</sup>. ACTs shall ensure that data on the situation of IPs are generated gathered, analyzed, and used in all stages of the PSA process.

6. **Subproject Identification and Development:** In undertaking CEAC Subproject Identification and Development activities, ACTs shall ensure the following;

- (lvii) IP Leaders, or their duly appointed representatives as selected by them, are included as members of community volunteer committees charged with the tasked with of preparing criteria for prioritization, and with preparing subproject proposals.
- (lviii) Criteria on effects to IPs, including subprojected benefits for, and potential risks to IP communities are used in identifying and selecting community subprojects to be proposed by the Barangay.
- (lix) IP Leaders/representatives, as well as the NCIP are continually regularly consulted, their opinions and insights gathered, and their recommendations used in the design of community subprojects, and the development of community proposals.

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<sup>10</sup> NCIP AO 2 Series of 2012.

- (lx) ACTs shall ensure that the process for designing subprojects are undertaken in a form and manner that is sensitive to and reflect IPs cultural identity, and are in line with the provisions of the IPRA law. The ACT shall likewise ensure consultation assemblies are undertaken specifically with IP groups at each stage of the subproject design and development process, and prior to Barangay Assemblies where decisions are made on important elements of the Subproject proposal, including but not limited to (a) site for subproject within IP areas; (b) use of materials and resources; (c) inclusion / exclusion of IP HHs as beneficiaries, and other concerns affecting IPs.
  - (lxi) Baseline data on indigenous groups are included as part of the community profile and needs assessment forms required for subproject proposals.
7. **Prioritization:** In undertaking Prioritization activities, ACTs shall ensure the following;
- (lxii) IP Leaders and representatives are included as members of the Inter-Barangay Forum (IBF), which shall prioritize proposed community subprojects for funding. In homogenous or predominantly IP barangays, an IP member shall be selected to represent the barangay in the IBF. In areas where an IP community straddles many barangays, but where the individual barangays are composed of mixed IP and non-IP populations, the team shall ensure that the IP tribe or community is represented in the IBF by an IP leader selected by them. This shall be in addition to the CVs selected by the barangays through the BA.
  - (lxiii) Leaders and representatives of IP barangays are adequately represented in the crafting of the prioritization criteria during the Criteria Setting Workshop (refer to item 152, (i), above).
  - (lxiv) Criteria on benefits to IPs are included in the ranking by the MIBF of a subproject to be implanted in an IP area or barangay.
8. **Subproject Implementation:** In undertaking CEAC Subproject Implementation activities, ACTs shall ensure the following;
- (lxv) Management committees of community subprojects implemented under the NCDDP Project in IP areas or are intended to generate benefits for IP include IP community volunteers / leaders selected by the community following customary procedures. In addition, members of IP HHs shall be given priority in benefiting from labour and remuneration for work attendant to the implementation of subprojects in IP areas.
  - (lxvi) IP community volunteers involved in managing all aspects of subproject implementation, from procurement to implementation and construction (for infrastructure subprojects), to managing finances, as provided with training to equip them with bookkeeping, simple accounting, procurement, and resource management skills during design and implementation stages.

## VI. UNANTICIPATED IMPACT

9. Indirect, and/or unanticipated impacts on IPs may become apparent during subproject implementation.<sup>11</sup> Should this be noted, the NPMO will ensure that a social impact assessment will be conducted resulting to an updated IPP or formulation of a new IPP covering all applicable requirements specified in this ESMF. The social impact assessment will be done in accordance with the procedures stipulated under the CEAC.

## VII. INFORMATION DISCLOSURE

10. For IP communities, pertinent information for disclosure are: (i) notices of meetings/ consultation, (ii) NCDDP concept and implementation arrangements, (iii) results/minutes/ agreements made during meetings/consultations, grievance redress mechanisms, results of assessment studies, IPPs, and M&E results.
11. Disclosure modalities will be in accordance with prevailing customs and traditions and shall be written in English or Pilipino and in the IP language and authorized by community elders/leaders shall be delivered and posted in conspicuous places or if lengthy, copies provided to community elders/leaders and IP organizations. Popular forms of printed materials include: fact sheets, flyers, newsletters, brochures, issues papers, reports, surveys etc. Popularized materials aim to provide easily read information. These materials may be in the local dialect enhanced with drawings, to inform a wide range of IPs about the planning and assessment processes and activities.
12. The following are required: (i) draft IPP / IPPF as endorsed by DSWD before appraisal; (ii) final IPP; (iii) new or updated IPP; and (iv) monitoring reports. These documents will be generated and produced in a timely manner, and posted in both ADB, World Bank, and DSWD NCDDP website, and at any locally accessible place in a form and language understandable to the affected IPs and other stakeholders.
13. The ADB SPS 2009 requirements, the ADB Public Communication Policy, as well as relevant World Bank public information disclosure policies will serve as guide. The documents listed above will be uploaded in the NCDDP management information system for interconnectivity as well as in the ADB and World Bank website.

## VIII. MONITORING

14. The NCDDP shall ensure proper monitoring and evaluation of compliance to this IPPF. Project monitoring of IP engagement shall generally include the following:
- (Ixxvii) **Compliance Monitoring** – This shall include establishment and maintenance of an IP database, and monitoring arrangements to (a) track engagement of indigenous groups in the various activities along the CEAC, and; (b) to determine whether IPPs were carried out as planned, and accordance with this IPPF; The NPMO shall conduct supervision and in-house monitoring of implementation of the IPP. The procedure for monitoring will be guided by the monitoring, evaluation, and reporting arrangements set forth in this IPPF. An appendix in the IPPF provides the guidance in the preparation of internal and external monitoring indicators.

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<sup>11</sup> ADB Safeguards Policy Statement 2009: Appendix 3.

- (Ixxviii) **Community self-assessments** of subproject preparation and implementation, to provide an avenue for IPs to communicate whether they have been involved in subproject activities and whether the final subproject addresses their needs, and;
- (Ixxix) **Independent, external monitoring** by civil society (NGO's and the press), and by an **External Monitoring Agency (EMA)**, to provide avenue for identification of cases where indigenous groups have been bypassed or marginalized in the subproject planning and selection process.
15. **External Monitoring Agency (EMA).** External Monitoring will be commissioned by the NPMO to undertake independent external monitoring and evaluation, through an EMA who will be either a qualified individual or a consultancy firm with qualified and experienced staff. The Terms of Reference (TOR) for the EMA shall be prepared by the NPMO and shall be acceptable to ADB and WB prior to engagement. The NPMO shall be responsible for the engagement of the EMA, and shall ensure that funds are available for monitoring activities, and that monitoring reports are submitted to the ADB, World Bank, and the NCIP.
16. **NCIP engagement in M&E** - In addition, Chapter III, Section 44 (h) of the Indigenous People's Rights Act mandates that the National Commission on Indigenous Peoples (NCIP) be involved in monitoring of Project implementation in relation to indigenous peoples engagement. To this end, the NCIP sits as a member of the NCDDP National Steering Committee. All RPMOs with NCDDP areas covering IP areas shall ensure that the NCIP is likewise represented at the RPMT. The RPMOs shall likewise invite representatives from the NCIP to observe and participate in municipal-level activities in IP areas.
17. **Schedule of Monitoring and Reporting.** The NPMO shall establish a schedule for the implementation of this IPPF, and the IPPs taking into account the Project implementation schedule. It is expected that one month prior to the start of subsubproject implementation, internal and external monitoring key actors shall have determined all IPP activities. Quarterly progress reports shall be prepared and submitted to the ADB, World Bank, and the NCIP, following the NCDDP regular reporting systems and procedures.

## **IX. GRIEVANCE REDRESS**

18. The Project's grievance redress system shall be used as the mechanism for IP groups to air out complaints or grievances in the course of implementation. Community facilitators shall inform indigenous groups about this system at the start of the implementation of the Project in the municipality. Staff shall ensure that meetings and consultations about the system are conducted with IP groups on the system, independently of the regular GRS orientation activities, if needed. IPs shall likewise be informed that complaints may also be registered with and by the NCIP, and included in their quarterly reporting to the NSC or the RPMT. Regional offices shall ensure that the NCIP will likewise disseminate this information through its staff to indigenous groups, local NGO's and the press.
19. In addition, the Project will continue to maintain a grievance register, which will provide information on the number and type of grievance and complains from indigenous groups

at the municipal and provincial levels, and on the way these complaints have been addressed. This information will be included in the quarterly Project reports to the National Steering Committee.

20. To the extent possible, resolution of grievances involving IP communities related to Project implementation shall be through traditional IP grievance resolution processes and systems, following of the principle of precedence of customary laws in the IPRA.

## **X. INSTITUTIONALIZATION**

21. The NCDDP Project adopts an institutionalization framework and strategy that seeks to integrate lessons in the implementation of CDD processes and strategies into the regular planning, budgeting, implementation, and monitoring processes, systems, and structures of the barangay and municipal LGUs. In Project areas where IPs are found, Project staff shall ensure that NCDDP participatory approaches for engaging IPs, as well as the development priorities of IP are integrated into the local development planning system of LGUs, in line with the NCDDP institutionalization framework and strategy. These can include (a) integration of key features of this safeguards framework and strategy into the LGUs governance systems; (b) establishment and maintenance of IP databases; (c) integration of ADSDPP processes into the MLGU local development planning instruments and manuals, and; (d) facilitating review and/or development of ADSDPPs, among others.

# Annex H

## Environmental and Social Management Plan (ESMP) for Eligible Rural Infrastructure Sub-projects

( \_\_\_\_\_ Barangay, Municipality of \_\_\_\_\_ Province of \_\_\_\_\_, Region \_\_\_\_\_ )

Potential Impacts	Mitigation/ Enhancement Measures	Monitoring Parameter	Responsible Entity	Implementation Schedule	Cost and Source of Funds
<b>PRE-CONSTRUCTION PHASE (Social Preparation, Land/ROW Acquisition and Damage Compensation, Hiring, Procurement)</b>					
In Compliance with: <b>Govt. Policies on a) Gender and Development, and b) Public Disclosure; GOP: RA 9172 Women in Development and Nation Building; RA7160 Local Government Code</b>					
Lack of information and/or low participation of the community, particularly women, in sub-project planning and activities	<ul style="list-style-type: none"> <li>– Hold consultative meetings with equal representation of men and women, with project beneficiaries and affected persons on the sub-project components and management plan</li> <li>– Prior coordination and consultation with women's groups</li> </ul>	<ul style="list-style-type: none"> <li>– Proof* of prior coordination, consultation, participation in various stages of the project starting from planning activities to operation and maintenance: <ul style="list-style-type: none"> <li>▪ General community</li> <li>▪ Focused women's groups</li> </ul> </li> </ul> <p>*Proof: e.g. Attendance Sheet, Minutes of Meetings Copy of Presentation Materials (to validate content and coverage of disclosure/ consultation)</p>	LGU/Proponent to take the lead in coordination and consultations, particularly the Municipal Social Welfare Department and the Community Relation Officers	<p><u>Both measures and monitoring to be done as follows:</u></p> <ul style="list-style-type: none"> <li>▪ During sub-project conceptualization and initial design</li> <li>▪ Prior to finalization of the sub-project design</li> <li>▪ Prior to construction</li> </ul>	<p>Consultative meetings to be held about 3x prior to construction:</p> <p>P100/meeting x 50 pax/mtg x 3 meetings x 2 sectoral groupings (one general, one women) x _____ barangays = P _____</p>

<b>Potential Impacts</b>	<b>Mitigation/ Enhancement Measures</b>	<b>Monitoring Parameter</b>	<b>Responsible Entity</b>	<b>Implementation Schedule</b>	<b>Cost and Source of Funds</b>
In compliance with <b>RA 8974 and RA 7279; EO 1036 Acquisition of Private Property</b>					
Land or ROW acquisition, damages to crops and other structures	<ul style="list-style-type: none"> <li>– Disclosure of WB Involuntary Resettlement and compensation guidelines, e.g. market value as basis for pricing of land or crops and other properties</li> <li>– Prepare compensation package for land or ROW acquisition, and/or crop damage compensation, based on prior consultation with project-affected persons</li> <li>– Secure Deed of Donation or Quit Claim on land /other properties</li> <li>– Payment of compensation prior to construction works</li> </ul>	<ul style="list-style-type: none"> <li>– Proof of prior consultation and disclosure on WB/GOP guidelines for compensation</li> <li>– Presence of compensation package</li> <li>– Proof of compensation/ payment before construction works</li> </ul>	LGU to facilitate the consultations, disclosure, preparation of compensation packages and payment of compensation	All activities to be implemented prior to construction	Consultative meetings for disclosure and package drafting to be held about 2x prior to construction, with 4 barangays (spatial approach) or sectors:  P100/meeting x 50 pax/mtg x 2 meetings x ____barangays or sectors = <b>P_____</b>
In Compliance with: <b>..GOP RA 7160 Local Government Code</b>					
Entry of external workforce	Give hiring preference to qualified local community residents, particularly those who	Proof of local residence, e.g. Community Tax Certificate (CTC) or certificate of residence	LGU to facilitate arrangements for local hiring	Prior to construction	No additional EMMP cost for hiring from the locality



<i><b>Potential Impacts</b></i>	<i><b>Mitigation/ Enhancement Measures</b></i>	<i><b>Monitoring Parameter</b></i>	<i><b>Responsible Entity</b></i>	<i><b>Implementation Schedule</b></i>	<i><b>Cost and Source of Funds</b></i>
	will be displaced	issued by the Brgy. Captain			
In Compliance with: <b>ADB Policy on Environmentally Responsible Procurement and GOP Contract Policies and Procedures</b>					
Possible illegal or unauthorized sourcing of construction materials	Procure construction materials from sources with valid environmental sources, i.e. for sand and gravel, from those with DENR-MGB/EMB permits; for timber resources, from those with valid DENR-FMB/EMB permits	Presence and validity of environmental permits and/or license of sources of construction materials: to be monitored prior to award to every contractor	LGU Municipal Project Office (MPO)	Every procurement activity prior to construction	No additional EMMP Cost, as this requirement is part of the Standard Operating Procedure in the GOP Procurement Guidelines
<b>CONSTRUCTION PHASE (Mobilization, Construction Proper, Demobilization)</b>					

<i>Potential Impacts</i>	<i>Mitigation/ Enhancement Measures</i>	<i>Monitoring Parameter</i>	<i>Responsible Entity</i>	<i>Implementation Schedule</i>	<i>Cost and Source of Funds</i>
<b>Physical Environment: Land</b>					
<ul style="list-style-type: none"> <li>– Destabilization of slopes and soil erosion due to earthworks</li> <li>– River bank erosion due to earthworks along rivers</li> </ul>	<ul style="list-style-type: none"> <li>– Schedule the construction works during the relatively drier months</li> <li>– Implement appropriate erosion control, slope stabilization and protection measures</li> <li>– Vegetative stabilization of the sloping areas</li> <li>– Designate a Spoils Storage Area near the construction site</li> </ul>	<ul style="list-style-type: none"> <li>– Presence of erosion control, slope stabilization and protection structures in the site</li> <li>– Absence of massive erosion induced by the construction works</li> </ul>	<p>Contractors to include in their bids the estimate of stabilization and erosion control measures;</p> <p>Contractors to implement and the LGUs to supervise the Contractors</p>	Erosion control and stabilization measures shall be implemented simultaneously with construction works.	<ul style="list-style-type: none"> <li>– Vegetative stabilization estimate: P5,000/hectare *  <b>_____ sub-projects = P_____/ha</b></li> <li>– No additional EMMP cost for Mechanical or Engineering measures for soil erosion control and slope stabilization, as these are integrated in Sub-project design and cost for roads with critical slope.</li> </ul>
<b>Physical Environment: Hydrology</b>					
Obstruction of natural and redirected flow of water during construction works along roads and flood control works	<ul style="list-style-type: none"> <li>– Leave enough channel for unobstructed river flow</li> <li>– Follow natural drainage paths when constructing road drainage canals and installing culverts</li> </ul>	Presence of culverts properly placed along natural drainage paths	Contractors to implement while the LGU supervises the Contractors	Daily operations	No additional EMMP cost; Drainage and installation of culverts are integrated in the sub-project cost, being part of the standard design.

<i><b>Potential Impacts</b></i>	<i><b>Mitigation/ Enhancement Measures</b></i>	<i><b>Monitoring Parameter</b></i>	<i><b>Responsible Entity</b></i>	<i><b>Implementation Schedule</b></i>	<i><b>Cost and Source of Funds</b></i>
<b>Physical Environment: Water Quality</b>					
In compliance with: <b>WB Pollution, Prevention and Abatement Handbook; GOP: RA 9275 Clean Water Act; DENR AO 2005-10</b>					
Increase in total suspended solids, browning and turbidity of the receiving water body due to soil erosion/ increase in run-off from construction sites	<ul style="list-style-type: none"> <li>– Same measures to control soil erosion;</li> <li>– Supplemental measure along the river, if needed: silt traps to minimize downstream siltation</li> </ul>	<ul style="list-style-type: none"> <li>– Presence of soil erosion control measures</li> <li>– Temporal/Short-term browning or turbidity of the river</li> <li>– # public complaints received by Proponent/ Contractor</li> </ul>	Contractors to implement while the LGU supervises the Contractors	Daily operations	No additional EMMP cost. Silt trap may be installed only as needed, supplemental to the soil erosion control measures. Will only need voluntary community labor or construction workers may devote certain number of hours for the task. The materials, e.g. rocks, may be sourced around the sub-project site.
Increase in BOD load and debris in the waterbody due to improper disposal of sanitary and solid waste from the workers' base camp	<ul style="list-style-type: none"> <li>– Provision of sanitary facilities to workers</li> <li>– Provision of facilities to workers to allow them to segregate, and properly dispose biodegradables from non-biodegradables.</li> </ul>	<ul style="list-style-type: none"> <li>– Presence of sanitary and waste segregation/ containment facilities</li> <li>– No indiscriminately scattered solid waste</li> </ul>	Contractors to implement while the LGU supervises the Contractors	Daily operations	No additional EMMP cost if rental or construction of bunkhouse or basecamp includes the sanitary and waste disposal facilities ( P5,000/ SP x ____SPs = P

<b>Potential Impacts</b>	<b>Mitigation/ Enhancement Measures</b>	<b>Monitoring Parameter</b>	<b>Responsible Entity</b>	<b>Implementation Schedule</b>	<b>Cost and Source of Funds</b>
					_____
Contamination by oil and grease and fuel spills from heavy equipment and storage areas	<ul style="list-style-type: none"> <li>– Provide oil and grease traps upstream of any run-off discharge from the sub-project to the waterbodies</li> <li>– Provide ring canals around fuelling tanks/ motorpool/ maintenance areas</li> <li>– Collect used oils in containers and sell to licensed recyclers</li> </ul>	<ul style="list-style-type: none"> <li>– No visible oil and grease film on water-bodies</li> <li>– # public complaints received by Propo- nent/ Contractor</li> </ul>	Contractors to implement while the LGU supervises the Contractors	Daily operations	Nil cost of improvised temporary ring canals around area of storage of fuel drum containers of fuel : P5,000 x ____ sub-projects = P_____
<b>Physical Environment: Air Quality</b>					
In compliance with: <b>WB Pollution, Prevention and Abatement Handbook; GOP: RA 8749 Clean Air Act; DAO 2000-81; PD 984 Pollution Control Act – Noise Levels (DENR/LLDA/ARMM regulation)</b>					
Increase in suspended dust particulates along unpaved roads, and obnoxious gas and particulate emissions and noise levels from heavy equipment operations within the vicinity of the	<ul style="list-style-type: none"> <li>– Minimize night-time construction activities</li> <li>– Wet areas of dust sources to minimize discomfort to nearby residents</li> <li>– Control of vehicle speed to lessen suspension of road dust</li> <li>– Delivery equipment should be covered with tarpaulin sheets or any</li> </ul>	<ul style="list-style-type: none"> <li>– Qualitative ambient noise levels within residential standards (based on comparative levels of sound in the natural environment)</li> <li>– Presence of truck cover during deliveries</li> <li>– Records of M&amp;R of equipment</li> <li>– Records of annual registration of vehicle</li> </ul>	Contractors to implement while the LGU supervises the Contractors	Daily operations	Water spraying: only when needed; Expected to be nil since the households are far from the roads and the activities will only be rehabilitation

<b>Potential Impacts</b>	<b>Mitigation/ Enhancement Measures</b>	<b>Monitoring Parameter</b>	<b>Responsible Entity</b>	<b>Implementation Schedule</b>	<b>Cost and Source of Funds</b>
construction and along the transport route of the heavy equipment	equivalent <ul style="list-style-type: none"> <li>– Regular M&amp;R of equipment</li> <li>– Contractor to present proof of compliance with emission standards as part of the annual vehicle registration process</li> </ul>	<ul style="list-style-type: none"> <li>– # of people's complaints on disturbance caused by construction at a level disrupting their normal level of activities</li> </ul>			
<b>Biological Environment</b>					
In compliance with: <b>GOP: PD 705 (Forestry Code)</b>					
Localized tree cutting or vegetation clearing, and disturbance to wildlife	<ul style="list-style-type: none"> <li>– Prior acquisition of Tree Cutting Permit(TCP)</li> <li>– Compliance with conditions in secured permits</li> <li>– - Implementation of tree planting around the facility (at the school site)</li> </ul>	<ul style="list-style-type: none"> <li>– Presence of permit</li> <li>– Compliance with conditions of TCP</li> </ul>	<ul style="list-style-type: none"> <li>– LGU or Contractor may apply for the permits</li> <li>– Contractors to implement while the LGU supervises the Contractors</li> </ul>	Daily operations	Permit acquisition cost, about: P2,000 x ____SPs = P ____, total one-time application, including meetings and follow ups, and compliance with condition on disposition of the cut trees (e.g. may be requested by LGU from the DENR for use in the school to be constructed)
Temporal smothering of aquatic life due to	<ul style="list-style-type: none"> <li>– This is a residual secondary impact of increased siltation which cannot be</li> </ul>	<ul style="list-style-type: none"> <li>– Presence of soil erosion control measures</li> <li>– No fish kills due to</li> </ul>	<ul style="list-style-type: none"> <li>– LGU or Contractor may apply for the permits</li> </ul>	Daily operations	No additional EMMP cost. Integrated in

<b>Potential Impacts</b>	<b>Mitigation/ Enhancement Measures</b>	<b>Monitoring Parameter</b>	<b>Responsible Entity</b>	<b>Implementation Schedule</b>	<b>Cost and Source of Funds</b>
siltation from earthworks	avoided but can be lessened in gravity thru the implementation of soil erosion control measures	smothering	– Contractors to implement while the LGU supervises the Contractors		soil erosion control measures.
<b><i>Social Environment</i></b>					
Obstruction of public access through the road rehabilitation area	<ul style="list-style-type: none"> <li>– Provide access thru the road rehabilitation site by proper scheduling of rehab works along the road and/or assigning a barangay tanod to handle traffic management of pedestrian and vehicles</li> <li>– Provide alternate route</li> </ul>	<ul style="list-style-type: none"> <li>– Presence of alternate access route</li> <li>– Allocation of space along road to allow passage of pedestrians and vehicles to pass through during rehab works</li> <li>– Presence of barangay tanod for traffic management</li> <li>– Presence of heavy traffic in road approach or along the road being rehabilitated</li> <li>– # public complaints received by Proponent/ Contractor</li> </ul>	<ul style="list-style-type: none"> <li>– Contractor's project management and self-monitoring</li> <li>– LGU/ Community-based monitoring and assignment of barangay tanod for traffic management</li> </ul>	Daily operations	No additional EMMP Cost: Bgy Tanod to be provided by the LGU
Increased health risk due to improper disposal or lack of facilities for management	– Same measures for Water Quality to provide sanitary facilities and waste management facilities for construction workers;	<ul style="list-style-type: none"> <li>– Same parameters for Water Quality control</li> <li>– Proper timing and frequency of barangay defogging (when deemed necessary by</li> </ul>	LGU/IA and settlers to enter into MOA on ESW Mgt	Daily operations	No additional EMMP Cost – addressed by the Water Quality measures while defogging is a

<b>Potential Impacts</b>	<b>Mitigation/ Enhancement Measures</b>	<b>Monitoring Parameter</b>	<b>Responsible Entity</b>	<b>Implementation Schedule</b>	<b>Cost and Source of Funds</b>
of solid waste and sewage during construction	<ul style="list-style-type: none"> <li>– Inclusion of the construction worker's basecamps in the barangay defogging to eliminate disease vectors, if solid waste is observed to have accumulated to alarming levels</li> </ul>	<ul style="list-style-type: none"> <li>the LGUs)</li> <li>– # public complaints received by Proponent/ Contractor</li> </ul>			standard barangay activity
Increased community hazards of vehicular accidents due to construction works	<ul style="list-style-type: none"> <li>– Provide appropriate warning signs and lighting</li> <li>– Heavy equipment to observe traffic rules</li> </ul>	<ul style="list-style-type: none"> <li>– Presence of signages and lighting</li> <li>– # of accidents/ near-accidents reported to the barangay</li> <li>– # of public complaint</li> </ul>	<ul style="list-style-type: none"> <li>– Contractor's project management and self-monitoring</li> <li>– LGU/ Community-based monitoring</li> </ul>	Daily operations	Signages cost allocation: P2,000 x ____SPs = P ____ (Normally,signages are standard costs of construction works, so this measure should not be attributed as an additional EMMP Cost)
Exposure of workers to emergency or hazards of flashfloods along river	<ul style="list-style-type: none"> <li>– Schedule the construction works preferably during the drier months</li> <li>– Install early warning system to inform workers to take extra precaution during unexpected rainy periods, e.g. a barangay resident living upslope to send a message on</li> </ul>	<ul style="list-style-type: none"> <li>– List of designated residents upslope to provide the information or signal.</li> <li>– Presence of system (procedures and timing) of communication to be observed by the LGU and the contractors.</li> </ul>	<ul style="list-style-type: none"> <li>– Contractor's project management and self-monitoring</li> <li>– LGU/ Community-based monitoring and assignment of barangay residents to provide the early warning/signal.</li> </ul>	Daily operations, particularly during heavy rains.	No additional EMMP Cost – This is considered barangay volunteer or counterpart task, which is expected to happen only very occasionally or even rarely, although the impacts are very serious if the

<i>Potential Impacts</i>	<i>Mitigation/ Enhancement Measures</i>	<i>Monitoring Parameter</i>	<i>Responsible Entity</i>	<i>Implementation Schedule</i>	<i>Cost and Source of Funds</i>
	heavy rains and possible heavy flows at the headwaters. Communication may be thru text or cell phone call or thru sending a messenger to the sub-project site.				measure is not installed and not effectively done.
OPERATIONS AND MAINTENANCE					
Physical: Land					
Leaching of soil nutrients and changes in soil characteristics due to excessive application of irrigation water, or due to improper/excessive use of agro-chemicals	ISA will regulate use of irrigation water and charge water usage fees, a deterrent to excessive use of water.	Records on water withdrawals and distributed to the service area	CIS ISA to manage the imposition and collection of water usage fees	From the initial operation of the CIS facility	No Additional EMMP Cost: This is part of sub-project institutional plan
Physical: Hydrology					
Reduction of downstream water supply, especially during peak season, resulting to	<ul style="list-style-type: none"> <li>– Renew <b>NWRB</b> clearance/water permits annually</li> <li>– Ensure there is good upper watershed management thru co-</li> </ul>	<ul style="list-style-type: none"> <li>– Presence of renewed annual permit from NWRB</li> <li>– Records of upper watershed status</li> <li>– Records of upper wa-</li> </ul>	ISA to apply for the permit renewal	Annual	Cost of permit renewal and coordination with the DENR annually: <b>P5,000/yr</b>



<b>Potential Impacts</b>	<b>Mitigation/ Enhancement Measures</b>	<b>Monitoring Parameter</b>	<b>Responsible Entity</b>	<b>Implementation Schedule</b>	<b>Cost and Source of Funds</b>
disruption or deprivation of other water users downstream	ordination with the DENR or taking initiatives in forest cover protection	tershed management activities by the DENR or the LGU			
Obstruction of water flow due to aggregation of garbage at the headworks or at the checkgates/ control gates of the irrigation system	<ul style="list-style-type: none"> <li>- Regular removal of debris and other waste that may obstruct water flow</li> <li>- Designation of local community volunteers who will maintain the housekeeping of the irrigation distribution system</li> </ul>	<ul style="list-style-type: none"> <li>- Absence of accumulated garbage at the check/ control gates</li> <li>- List of IA members to do volunteer work on maintenance on solid waste management of the CIS</li> </ul>	<ul style="list-style-type: none"> <li>- IA to inventory list of volunteer members</li> <li>- IA to do self mgt. and monitoring</li> </ul>	<ul style="list-style-type: none"> <li>- Measure: Designate at the start of operation</li> <li>- Daily operations on waste mgt</li> </ul>	No additional EMMP Cost: IA representative to be under the volunteer program
Obstruction of run-off along drainage canals causing the run-off to flow across the road surface, which may lead to erosion of the road	<ul style="list-style-type: none"> <li>- Regular removal of debris, logs, and other materials along drainage canals so that no clogging occurs</li> </ul>	No visible obstructions to the water flow, e.g. no debris along the water flow	OMC shall designate a barangay tanod to oversee the maintenance of the drainage canals along the road	Weekly or monthly or as the need arises, particularly after heavy rains	No additional EMMP cost: Collection of obstructions and drainage canal inspections are part of the regular job description for designated barangay personnel

#### Physical: Water Quality

In compliance with: **WB Pollution, Prevention and Abatement Handbook; GOP: RA 9275 Clean Water Act; DENR AO 2005-10**

<i><b>Potential Impacts</b></i>	<i><b>Mitigation/ Enhancement Measures</b></i>	<i><b>Monitoring Parameter</b></i>	<i><b>Responsible Entity</b></i>	<i><b>Implementation Schedule</b></i>	<i><b>Cost and Source of Funds</b></i>
Agro-chemical contamination of surface and groundwater due to excessive or improper application of fertilizers and pesticides in the irrigation areas	<ul style="list-style-type: none"> <li>– Analysis of the irrigation water near the downstream part of the service area prior to exit to natural waterways</li> <li>– Analysis of the groundwater within the influence of the service area</li> <li>– Periodic analysis of the soil to pre-empt potential soil toxicity</li> </ul>	<ul style="list-style-type: none"> <li>– Records of water and soil analysis</li> <li>– Compliance to Clean Water Act standards</li> </ul>	ISA to coordinate with the DA for sampling of the CIS service area, or the ISA may also request the DENR to conduct groundwater sampling	Semi-annual or annual sampling: the controls are actually already put in place thru the regulation on the use of agro-chemicals and their application	<p>Water and soil analysis part of DA monitoring program, or the DENR may be requested to sample exit points as part of their source monitoring</p> <p>Estimated budget for annual analysis: P500/sample x 4 quadrant sample areas x 3 sample types (surface water, groundwater and soil) x once a year: <b>P6,000 annually/CIS</b></p>
In Compliance with: <b>GOP: PD 1144 Fertilizer and Pesticide Authority regulations</b>					
Increased use of agro-chemicals (pesticides and fertilizers) due to more intensive cropping within the irrigable service area, given the availability of	<ul style="list-style-type: none"> <li>– Use only the agro-chemicals allowed/ cleared by the Phil Fertilizer and Pesticide Authority</li> <li>– Controlled and proper timing of application of agrochemicals based on an Integrated Pest and Crop Management (IPCM) Program</li> </ul>	<ul style="list-style-type: none"> <li>– List of FPA-cleared agro-chemicals to be used in the Mainit CIS</li> <li>– Presence of IPCM Program</li> <li>– Program for Farmers' Training and proof of attendance and demonstration of acquired skills</li> </ul>	_____ CIS ISA to coordinate with the DA on IPCM Training	Schedule of training depends on the ISA's continuing development program for its farmer beneficiaries (at least one training a year is	No additional EMMP cost. Training package is integrated in the Agro-Enterprise devt. module package.

<i>Potential Impacts</i>	<i>Mitigation/ Enhancement Measures</i>	<i>Monitoring Parameter</i>	<i>Responsible Entity</i>	<i>Implementation Schedule</i>	<i>Cost and Source of Funds</i>
regular and adequate irrigation water and improved irrigation facilities	which the ISA can formulate with the assistance of the DA – Training of the farmers on the proper selection, dosage and timing of agro-chem applications to ensure optimum absorption by the plant and soil – Introduce the use of organic fertilizer			proposed)	
<b>SOCIAL ENVIRONMENT</b>					
In Compliance with: <b>WB on a) Gender and Development, and b) Public Disclosure; GOP: RA 9172 Women in Development and Nation Building; RA7160 Local Government Code</b>					
Lack of participation of women in sub-project operation and maintenance of the sub-project	– Sustain women’s involvement thru coordination/conduct of activities and facilitation of some meetings in relation to the operation of the following: – OMC for access infra – Irrigators’ Service Association (ISA) – Barangay Waterworks and Sanitation Association (BAWASA) for PWS	– Proof* of coordination and participation of women  * Proof: e.g. Attendance Sheet, Minutes of Meetings, Inventory of roles and tasks assumed by women	– LGU/Proponent to take the lead in coordination and consultations, particularly the Municipal Social Welfare Department and the Community Relation Officers  – ISA, BAWASA and School Board to handle the women’s participation program for their women members	Daily operations	No additional EMMP cost: Part of day-to-day management of the associations

<b>Potential Impacts</b>	<b>Mitigation/ Enhancement Measures</b>	<b>Monitoring Parameter</b>	<b>Responsible Entity</b>	<b>Implementation Schedule</b>	<b>Cost and Source of Funds</b>
	<ul style="list-style-type: none"> <li>– School Board</li> <li>– Local Health Office</li> <li>– Local Social Welfare Office</li> <li>– IP Organizations</li> <li>– Multi-purpose Cooperative</li> <li>– Other people's associations</li> </ul>				
Induce an increase in agricultural activity in previously inaccessible farm areas along the newly constructed or newly improved roads, which may cause improper land preparations resulting to damage to road drainage and shoulder	Training to Household members on proper land preparations and agricultural techniques, especially in sloping areas	<ul style="list-style-type: none"> <li>– Absence of soil erosion/ accumulation in road drainage canals and shoulders</li> <li>– - Number of community or Committee members trained</li> </ul>	LGU to coordinate with DSWD on training, in consultation with the Sub-Project Beneficiaries	Based on the Sub-Project Implementation plan of the Ass'n/Brgy.	No additional EMMP cost. Training can be integrated in the cost for continuing development program of the within the CEAC process
<b>IV. ABANDONMENT PHASE</b>					

<i><b>Potential Impacts</b></i>	<i><b>Mitigation/ Enhancement Measures</b></i>	<i><b>Monitoring Parameter</b></i>	<i><b>Responsible Entity</b></i>	<i><b>Implementation Schedule</b></i>	<i><b>Cost and Source of Funds</b></i>
No abandonment of the sub-project(s) (is)are programmed since the Operations and Maintenance Phase is considered to sustain the life and utility of the sub-projects, unless natural catastrophic events such as anomalous magnitude of earthquake or flooding destroys the facility beyond use. In this case, the engineering and design of the replacement facilities will integrate and handle the demolition of the damaged structures.					

The LGU OF BRGY. \_\_\_\_\_ is confirming its willingness and commitment to implement and allocate funds for the abovementioned EMMP:

Prepared by:

Reviewed and Endorsed to RCIS for Approval:

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**ACT/MCT**

Date: \_\_\_\_\_

\_\_\_\_\_

**Regional Director/Reg. Proj. Manager**

Date: \_\_\_\_\_

Approved and noted by:

:

\_\_\_\_\_

**Municipal Mayor**

Date: \_\_\_\_\_

Date: \_\_\_\_\_

