

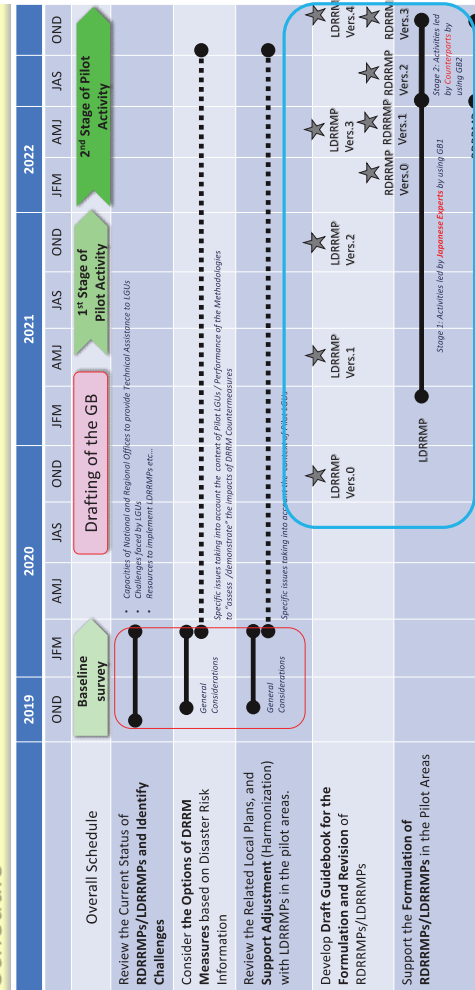
Output 2: Local DRRM Plan (WG2)

- Guidebooks for the formulation of RDRRMPs/LDRRMPs based on disaster risk information are developed for the purpose of reducing disaster human casualties and economic losses.

JCC Meeting (February 8, 2023)

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Schedule



JCC Meeting (February 8, 2023)

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Outline of Presentation

- A. Recap of WG 2' activities and Target Outputs
- B. Accomplishments (2019-2023)
 1. LDRRMP Formulation Guidebook
 2. Stage 1 and 2 Pilot Testing
 3. RDRRMP Formulation Guidebook
 4. Regional DRRM Planning Pilot Testing in R4A

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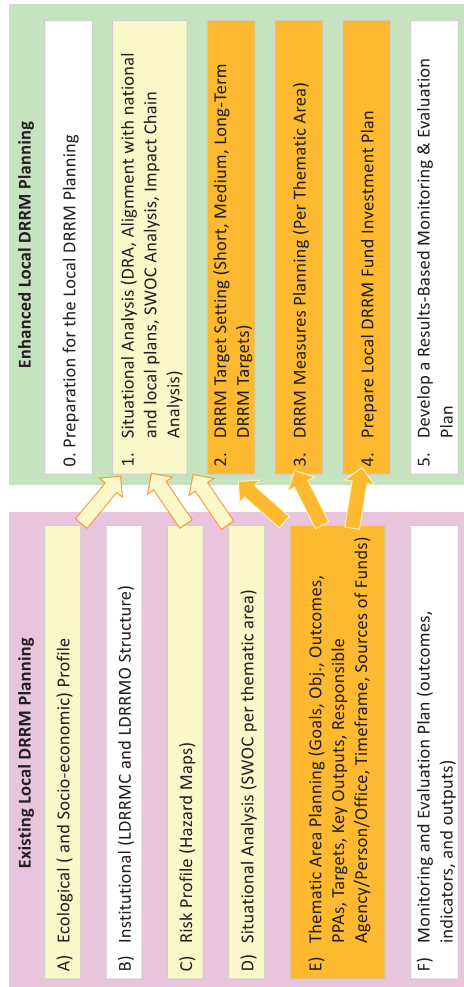
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Accomplishments (2019-2023) Local DRRM Plan Formulation Guidebook

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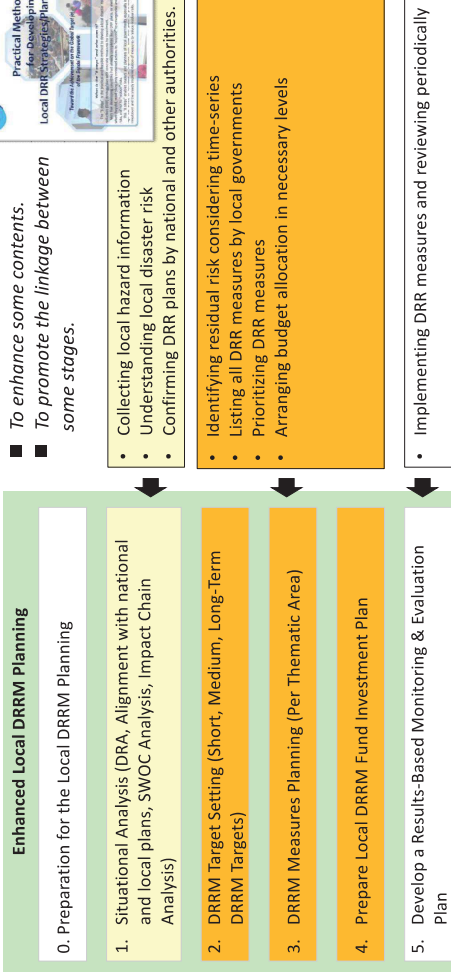
Some steps were restructured to enhance the "Storyline" of the LDRRMP



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JICA 8 steps were customized into the Philippines context



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JICA 8 steps were customized into the Philippines context

- Situational Analysis:
 - ◆ Emphasis on the review of hazard information and its interpretation were added
 - ◆ Importance of alignment with higher plans and policies (not only local) related to development issues and DRRM was considered
- DRRM Target Setting (Short, Medium, Long-Term DRRM Targets) and DRRM Measures Planning (Per Thematic Area):
 - ◆ While majority of the LDRRMP only covers 3 years based on the LCE's term, the DRRM target setting was included to sustain the initiatives from short-, medium-, and long-term.
 - ◆ Introduced the concept of "residual" risks and reflected the situational analysis, especially the DRA to identify appropriate and adequate DRRM measures vis-à-vis the DRRM Targets
- DRRM Measures Planning (Per Thematic Area) and Investment Plan:
 - ◆ LGU to explore other sources of funds such as General. Development Fund, GAD etc. aside from the 5% LDRRMF that may not fund all the PPAs required to reduce the risks in the locality

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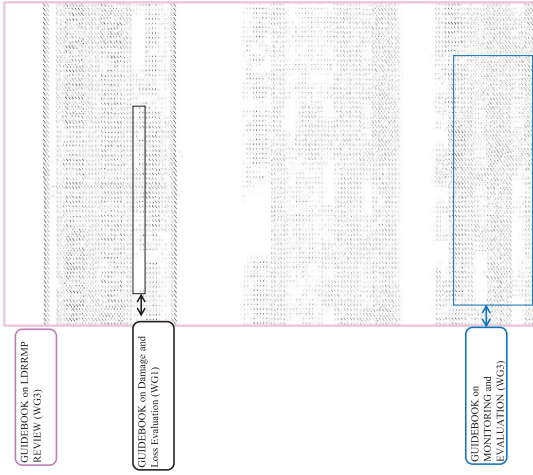
Changes (from Version 3 to Version 4)

- ✓ Additional membership of the Local DRRM Planning Team (Stage 0)
- ✓ Inclusion of DRA Process in the Preparation Phase (Stage 0)
- ✓ Review and Alignment of Plans (additional)
 - Gender and Development Plans and Budget
 - Land Use Development and Infrastructure Plan of SUCs (R.A. 11396)
- ✓ Inclusion of the DOH Menu of Health Strategies/PPAs per thematic area (For Stage 3)
- ✓ Show the relationship of the supplemental guidebooks on Damages and Losses Evaluation (WG1), Monitoring and Evaluation (WG3), and LDRRMP Review Guide (WG3)
- ✓ Provided concrete examples and images from the result of the Pilot LGUs
- ✓ Simplified the and reduced the number of the forms (merged forms for consistency of outputs needed per stage)
- ✓ Use of standard presentation materials

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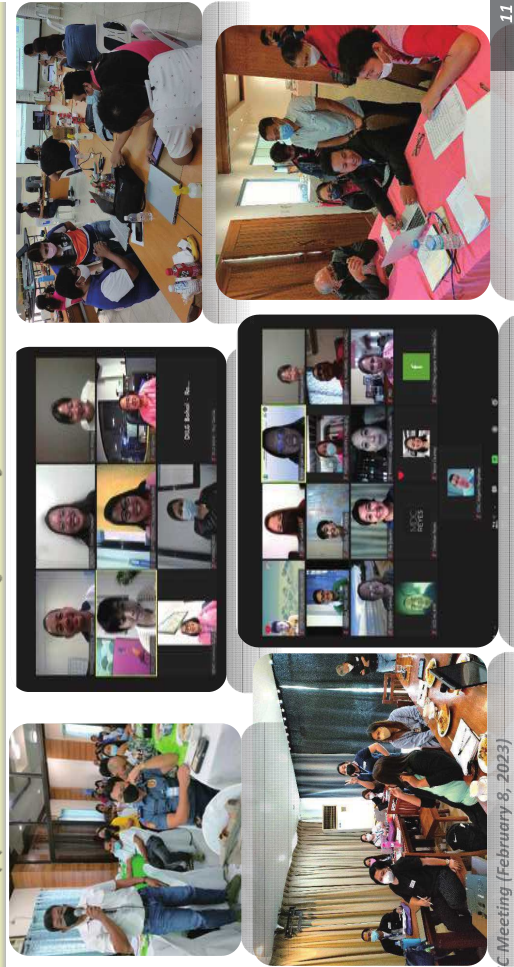
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3 supplementary guidebooks



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Mixed Approach: Online and face-to-face



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Accomplishments (2019-2023) Local DRRM Plan Formulation: Pilot Testing

Region 4A

1. Province of Laguna
2. Calamba City
3. Municipality of Mabitan

Region 7

1. Province of Bohol
2. Municipality of Tubigon
3. Municipality of Batuan

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Lessons Learned in the LDRRMP Formulation Guidebook Pilot Testing

✓ Challenges to introduce “new” concepts:

❑ On Reflecting Disaster Risk Assessment:

- ◆ Some information/data needed to be:
 - confirmed (e.g., data source, production year, assumptions etc.)
 - revised/added during the pilot activities (for example, flood, liquefaction information after the 2013 Earthquake, effects of the elevated roads etc.).

- ◆ When planning DRRM strategies and measures, the factors to consider may differ from each sector. Usually, hazard maps of susceptibility maps show the areas prone to each hazard per intensity (very high, high, moderate, low etc.,). However, the impacts caused in each sector, elements at risk may differ even though the intensity is the same. For example, low intensity flood may cause important disruption in urban areas but may not impact so much the agricultural areas if the duration of flooding is short.

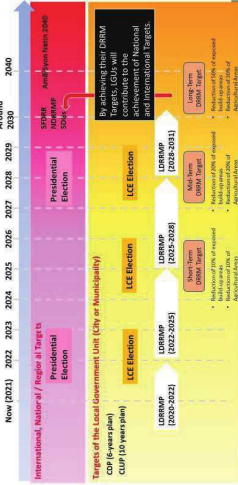
Therefore, during Stage 1, additional lectures were conducted to:

1. share the existing Disaster Risk Profile of the LGU,
2. make a consensus, and
3. understand what are the anticipated impacts per sector.

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Lessons Learned in the LDRRMP Formulation Guidebook Pilot Testing

- ✓ Challenges to introduce “new” concepts:
 - Setting DRRM targets and consider concrete DRRM measures:
 - ◆ This Stage was added to (1) enhance disaster resiliency through the implementation and periodic updating of the LDRRMP, (2) determine the strategies and targets that may be solved within the short- mid-long term period, and (3) set concrete and feasible targets based on the result of the current capacities and critical factors.
 - ◆ DRRM Target Setting using DRA is a new concept introduced. However, it took several sessions for the LGU to understand.



Therefore, during Stage 1,

1. Materials to visualize this concept, and
2. Online workshops/exercise to explore how to set the DRRM targets were conducted.

Lessons Learned in the LDRRMP Formulation Guidebook Pilot Testing

Better understanding on Risk Profile

Set of concrete DRRM targets

Category	Target	Value
Disaster Preparedness	Disaster Preparedness Plan	100%
	Disaster Preparedness Training	100%
	Disaster Preparedness Drill	100%
	Disaster Preparedness Assessment	100%
Disaster Response	Disaster Response Plan	100%
	Disaster Response Training	100%
	Disaster Response Drill	100%
	Disaster Response Assessment	100%
Disaster Recovery	Disaster Recovery Plan	100%
	Disaster Recovery Training	100%
	Disaster Recovery Drill	100%
	Disaster Recovery Assessment	100%

More concrete and strategic DRRM measures

Lessons Learned in the LDRRMP Formulation Guidebook Pilot Testing

- ✓ Need to optimize the advantage of both approach (online and face to face) - identify which activities can be completed by each office and which outputs should be done through a participatory process.
 - ◆ By combining the advantages of both remote (flexibility) and face-to-face (participatory) approaches.
 - ◆ Remote: explanation based on the LDRRMP formulation guidebook and assignment of “homework”.
 - ◆ Face-to-face meetings: to share and consolidate the results of each assignment and consider DRRM targets and PPAs in view of the future development prospects.
- ✓ Ensure that all departments/offices have a common understanding, especially on the Disaster Risk Profile and issues related to DRRM.
- ✓ LGUs are not quite aware on the projects and initiatives conducted by higher levels, and that their efforts are contributing to the higher plans (e.g. NDRRMP, Sendai)
- ✓ Involve Stage 1 Pilot Province to serve:
 - ◆ As secretariat to implement the activities,
 - ◆ As moderator of the Workshop Sessions,
 - ◆ As Resource Person to explain the updated PDRRMP and how LGUs will contribute to the achievement of the targets



Disaster Risk Reduction and Management Capacity Enhancement Project -Phase2- (DRRMCEP-II)

Working Group 2 on DRRM Planning



Accomplishments (2019-2022)

Regional DRRM Plan Formulation Guidebook

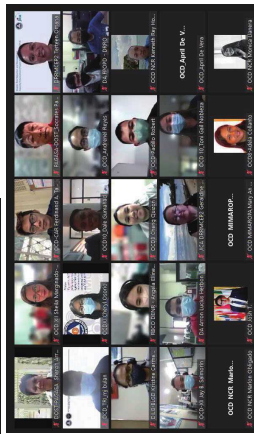
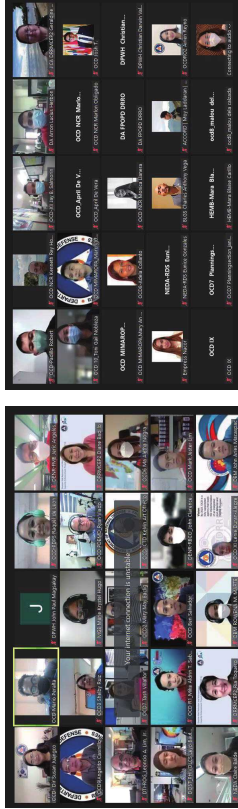


Photo Source: OCD, May 2022

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Stage 1
Organizing the RDRRMPT

- ✓ RDRRMC resolution organizing the RDRRMPT
- ✓ Action plan for RDRRMP formulation

Stage 2
Situational Analysis

- ✓ Disaster Risk Assessment (Exposure, Shared Risks and SWOC analyzed)
- ✓ Previous RDRRMP assessed
- ✓ DRRM-related plans reviewed

Stage 3
Setting the Vision, Goals, Targets, Outputs

- ✓ DRRM vision affirmed
- ✓ Regional and national DRRM goals aligned
- ✓ Short-, medium-, and long-term DRRM priority areas identified
- ✓ Outcomes and indicators identified

Stage 4
Identification of PPAs

- ✓ PPA Matrix
- ✓ PPA-Outcome fit reviewed

Stage 5
Developing the M&E Plan

- ✓ Current RDRRMC M&E Practices assessed
- ✓ RDRRMP M&E Matrix
- ✓ M&E Team formed
- ✓ Monitoring and Reporting Template

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Pilot Testing (RDRRMP R4A)

1. September 2: Consultation with OADR4A for the RDRRMP preparation
2. September 24 – First RDRRMP online session conducted
3. October 24 – 2nd RDRRMP Online Session
4. December 23 and January 13: Consultation meetings with OADR4A on the RDRRMP process

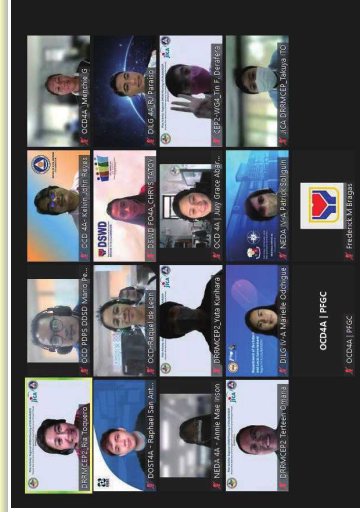


Photo Source: OCD, September 2022

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Summary of Agreements

- Inclusion of the Department of Trade and Industry in the Region DRRM Planning Team
- Additional documents to be gathered from DPWH (Flood Risk Assessment, infrastructure plans) and DENR (regional environmental maps, if available),
- Role of the region in DRRM defined
- Factors that affect the region in performing its key role identified during the SWOC Analysis
- Initial rows of the form on assessing the previous RDRRMP filled out
- Review of the Regional Development Plan completed while the review of the PDRRMPs to be assigned to the PDRRMOs
- Summary of DRA results to be presented on Session 3

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Next Steps in the RDRRMP Formulation Pilot-Testing

- ❑ Pre-workshop activities discussed with OCD-R4A on 13 January: review of initial outputs and filling in the gaps, uploading of hazard/disaster risk maps or documents of other agencies
- ❑ Face-to-face workshop with the Planning Team on February 10 (1 day) in Calamba (Review of Situational Analysis, DRRM Targets, PPAs)
- ❑ Online Planning Sessions: PPA continuation, M&E Plan

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Lessons Learned

- ✓ On-going Pilot-testing
- ❑ Active participation of OCD and offices of the four RDRRMC Vice Chairpersons, but limited participation of key agencies with cross-cutting concerns (e.g. DOH, DENR, DA, DHSUD, etc.)

- Continuous coordination between OCD-Central and Regional Offices to conduct the activities

- ❑ Absence of unified DRA quantitative results
 - ◆ The provinces have data, but they vary in term of analysis year, target hazards, elements-at-risk, DRA methodologies, outputs,

Introduction of unified DRA covering the entire Region:

- Regarding Flood, DPWH Regional Flood Risk Assessment Report (CFRAS)
- Geo-risk PH, a tool covering the entire country (data provided by WG1).

Evidence of Quantitative DRA Results

Region	Province	Year	Methodology	Output
ILOCOS	Abulog	2022	DRRA	Map
	Albay	2022	DRRA	Map
	Agusan del Norte	2022	DRRA	Map
	Agusan del Sur	2022	DRRA	Map
	Antique	2022	DRRA	Map
	Araya Alifan	2022	DRRA	Map
	Compostela	2022	DRRA	Map
	Compostela Value	2022	DRRA	Map
	Davao Oriental	2022	DRRA	Map
	Davao del Norte	2022	DRRA	Map
	Davao del Sur	2022	DRRA	Map
	Davao Occidental	2022	DRRA	Map

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Tools covering the entire Country: Geo-Risk PH and REDAS

GeoRiskPH: A web-based tool for disaster risk assessment. REDAS: A software for hazard and risk simulation.

Flood Exposure

Population Exposure (2015)

Critical Facilities Exposure

Determination the EQ Prominent Scenario

Earthquake Exposure (EQ Exposure Status)

Population Exposure

Critical Facilities Exposure

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Salamat po!

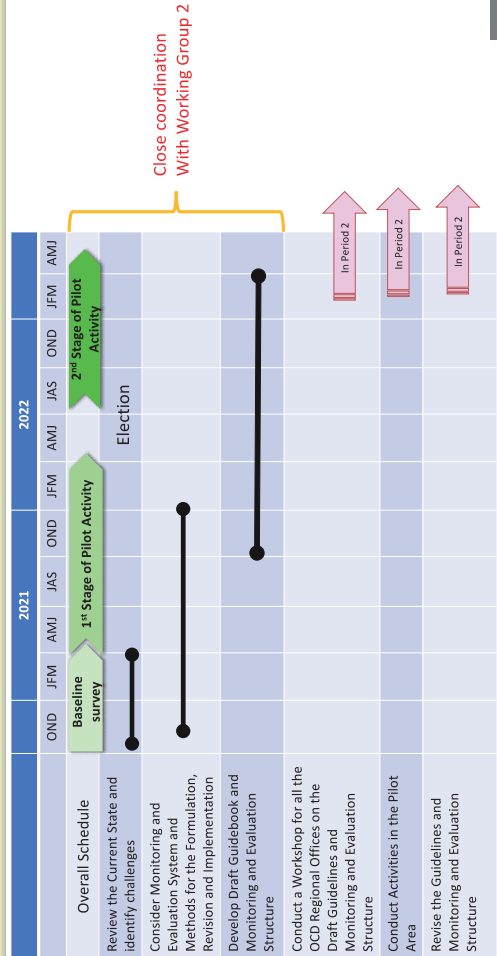
Output3: Monitoring and Evaluation (WG3)

- OCD's information management, monitoring and evaluation system on the [formulation, revision and implementation of RDRRMPs/LDRRMPs](#) is established.

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Revised Schedule



JCC Meeting (February 8, 2023)

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Outline of Presentation

- A. Recap of WG 3's Activities and Target Outputs
- B. Accomplishments (2019-2022)
 1. LDRRMP Results-based M&E Guidebook (ongoing)
 2. LDRRMP Review Guidebook (ongoing)

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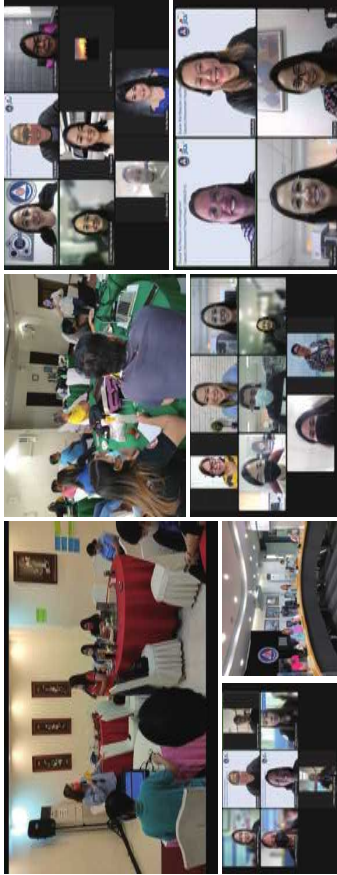
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Accomplishments (2019-2022) LDRRMP M&E Guidebook (Including Result-Based M&E)

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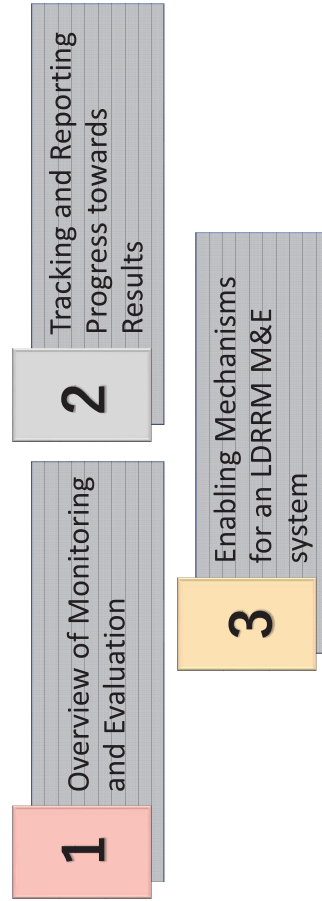
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Series of consultations, desk review were conducted



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Major Sections of the Guidebook



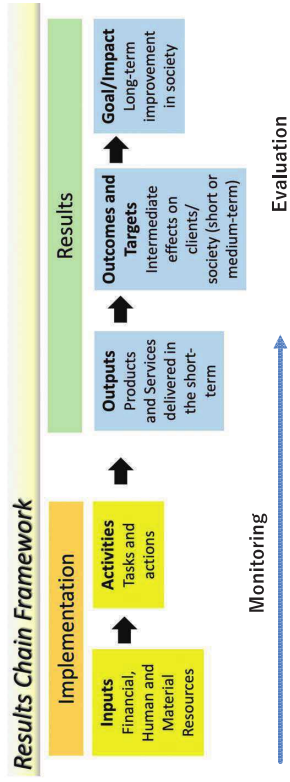
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Salient Points

- ✓ Refers to monitoring and evaluating the progress, accomplishments and achievements against targets
- ✓ Content
 - ❑ Adhere to guiding principles (NDRRRMP) and uphold results orientation among users – in line with government direction
 - ❑ Provide guidance whenever applicable (through standard and universally-accepted frameworks and guidelines/approaches/templates provided by existing policies and frameworks) thereby addressing concerns and findings from the assessment
 - ❑ Impress upon the users not only that M&E is necessary but also helpful for implementers

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Section 1: Overview of Monitoring and Evaluation



- Results-based M&E:
 - Defining and distinguishing between monitoring and evaluation, interlinkage with planning.
- Results Framework:
 - Monitoring inputs (e.g. funds), activities (PPAs), outputs (monthly)
 - Evaluating outcomes, impact (annual, mid-term, long-term) using monitoring data

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Section 1: Overview of Monitoring and Evaluation

- Importance of M&E as a necessary process to deliver and measure desired results citing government mandates (e.g. NEP framework of NEDA) and key sources (UNDG, UNDP, ADB)
- Emphasis on engaging multi-stakeholder participation in M&E

Seeks to level off understanding and get the “buy-in” of users of the guidebook towards results orientation and establishment of a functioning M&E system.

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Section 2: Tracking and Reporting Progress towards Desired Results

- Data collection, analysis and reporting; provide examples on tracking activity implementation and the target results produced (outputs, outcomes).
- Tools to consolidate and organize data and draft written reports and PPT presentations
- Crafting of an M&E calendar to harmonize and synchronize M&E requirements (reporting schedules, other M&E activities, etc.).
- DRRM fund monitoring
- Documentation standards and preparation and utilization of reports to make their M&E meaningful.

Seeks to uphold accountability and enjoin guidebook users to utilize M&E towards making evidence-based inputs and decisions.

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Section 3: Enabling Mechanisms for an LDRRM M&E System

- Relay mechanisms pertaining to policy support, human, material, knowledge and financial resources, information system among others that are necessary to install and enable a functional M&E system.

Seeks to promote the view M&E as a holistic process that necessitates an interdependence among different elements within the LGU

Expected Output

- Action Plan for LDRRM M&E System Development

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Expected Outputs by using this Guidebook

1. Monthly Accomplishment Form: Monthly Accomplishment Form: based on the updates reported by each office during the monthly DRRM Council.

LDRRM Monitoring Template

Form 5-D

Thematic Area:
Reporting Period:

(1) Intended Outcome	(6) PPA	(7) Expected PPA Outputs	(8) Actual Accomplishments	(9) Means of Verification (How Verified/Submitted)	(10) Date Accomplished	(11) Responsible Agency	(12) Approved Budget (0.27) Amount	(13) Actual Expenses	(13) Issues and Concerns	(14) Recommendations
Reduce disaster population prone to adverse impact of hazards	Contact of 10 municipalities for disaster preparedness and awareness	10 municipalities	As of November 2022, 6 municipalities have been contacted in CDRRM for flooding	Attendance sheets, activity reports, and documentation	Q1	DRRMCO	PPDMF 1M	0.5M	conflict of schedule, COVID restrictions	Prioritize remaining activities for 2023 1st quarter
	Enforcement of 3 municipalities	3 municipalities	not accomplished		Q2	PEO	General Fund 2M	0	lack of coordination with PWH and PWS offices	Meet with DPWH and PWS offices early 2023
					Q3					
					Q4					

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Expected Outputs by using this Guidebook

2. Annual Accomplishment Report: consolidation of the monthly reports

I. Executive Summary: discusses the analysis of accomplishments against the outcomes across the DRRM thematic pillars in a clear and succinct manner. It should also highlight some of the challenges, lessons learned, and recommendations to further improve implementation of DRRM agenda in the locality.

II. Introduction

III. Analysis of Accomplishments vis-à-vis the Outcomes: This section will provide an analysis and assessment of the accomplishments vis-à-vis the LDRRMP outcomes and risk reduction targets. It should include figures/ tables summarizing the baseline, target, and actual achieved value in all the outcomes across the four DRRM thematic pillars. Further, this section should also include case stories highlighting the good practices, lessons learned, and innovations from Disaster Risk Reduction and Management Councils (DRRMCs), local government units (LGUs), civil society organizations (CSOs), academic institutions, private sector, and communities involved in the implementation of DRRM-related programs, projects, and activities (PPAs).

IV. Conclusions and Recommendations: This section will highlight the key strengths and weaknesses of DRRM implementation in the locality. It will also discuss the recommendations and explore potential 'ways forward' for LDRRMC including the various stakeholders representing the academe, private sector, and communities to further advance safer, resilient, and adaptive communities.

V. References

VI. Annexes (e.g., photos, data gathering tools, directory of stakeholders involved)

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Updates on the LDRRMP Review Guidebook

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Basis for the Enhancement of the Current LDRRMP Review Guide

Roundtable Discussion in 2019 among OCDROS

Challenges

1. Capacity
 - Members of the Review Team were not capacitated on how to review the LDRRMP plans
 - Lack of manpower at the local DRRMO particularly in the 3rd to 5th class municipalities
2. Process
 - Schedule of Review
 - Late submission and non-submission of LGUs
 - Varying timeline for review and the number plans to be reviewed
 - Timeline of feedbacking (after the review)
 - OCD cannot give sanctions to LGUs concerning to its function to review the LDRRMPs
 - LDRRMP Plan Review Checklist Tool was implemented even if the formulation of guidelines was not yet cascaded to LGUs
 - Limitation of the policy (only pertains to OCD not the tasks of other NGAs)
3. Tool: Current review tool is not yet aligned with SFDRR
4. Content: Majority of the plans only have a structured investment plan
5. Policy/Guidelines: Absence of Formulation and Review Guide

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LDRRMP Review Guidebook

Purpose:

1. Assess the compliance of the LGU based on the required forms of the Enhanced Local DRRM Formulation Guidebook
2. Determine the alignment of the LDRRMP with the major related plans
3. Assess adherence of the preparation process and content of the Local DRRM Plan based on the Local DRRM Plan
4. Assess the budget allocation of the identified PPAs in the LDRRMP vis-à-vis Annual Investment Plan
5. Provide a basis for improvements in the Local DRRM Plan

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General Contents of the Enhanced LDRRMP Review Guide

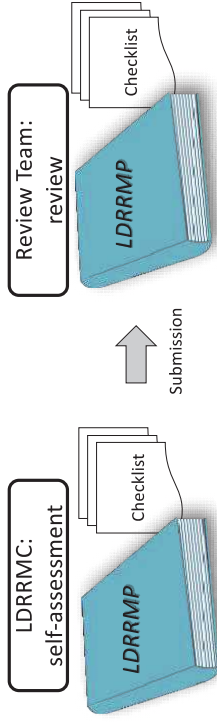
1. Introduction
2. Purpose of the Review
3. Roles and Responsibilities of the LDRRMC => include Self-Assessment
4. Composition of the Review Team => Review of the Plan
5. Components of Review
 - LDRRMP Form
 - LDRRMP Process
 - LDRRMP Contents
 - LDRRMP Documents
6. Process of Review
7. Frequency of Review
8. Review Report Format
9. Revising LDRRMP based on review results
10. Database of LDRRMPs

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Process

1. When the LDRRMP is formulated or have to be updated, LDRRMC will conduct a self-assessment to check the compliance of LDRRMP with the National Requirement.
2. After the self-assessment, LDRRMP and self-assessment results will be submitted to the Review Team.
3. The Review Team will double-check the integrity of the LDRRMP and give some recommendations if needed.



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Image of the Checklist to Self-Assess or Review the Forms

✓ To check the Forms'

1. Completeness
2. Structure and sequence
3. Minimum maps and tables
4. Source acknowledgement

Checklist
1. Are the disaster prevention and mitigation measures that the LGU needs to implement to achieve each target listed?
2. Are the disaster preparedness measures that the LGU needs to implement to achieve each target listed?
3. Are the disaster response and early recovery measures that the LGU needs to implement to achieve each target listed?
4. Are the disaster rehabilitation and recovery measures that the LGU needs to implement to achieve each target listed?

Form 3-A: DRRM Measures (anz-list)

Purpose of the Form
Form 3-A is used to identify the structural and non-structural DRRM measure or programs, projects, and activities (PPAs) that are necessary to achieve the short-term targets. The list could be used to monitor the progress to overcome the disaster risk and to identify the strategies, and table the nature of the activities identified in the SNMOC. Analysis of these solutions/strategies should also contribute in the achievement of the targets.

File Format: Microsoft Excel

Contents of the Form
Form 3-A is in Excel format. Hence, one Excel sheet should be assigned per hazard. Each sheet is made up of the columns:

DRRM Measures (PPA) are the primary activities to achieve the short-term targets identified according to the SNMOC. (DRRM Manual, 2016)

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Disaster Risk Reduction and Management Capacity Enhancement Project -Phase2- (DRRMCEP-II)
Working Group 3 on DRRM Monitoring and Evaluation



Salamat po!



CEP2-WG4 (Training and Replication) Stage 1 Activities and Progress

February 8, 2022

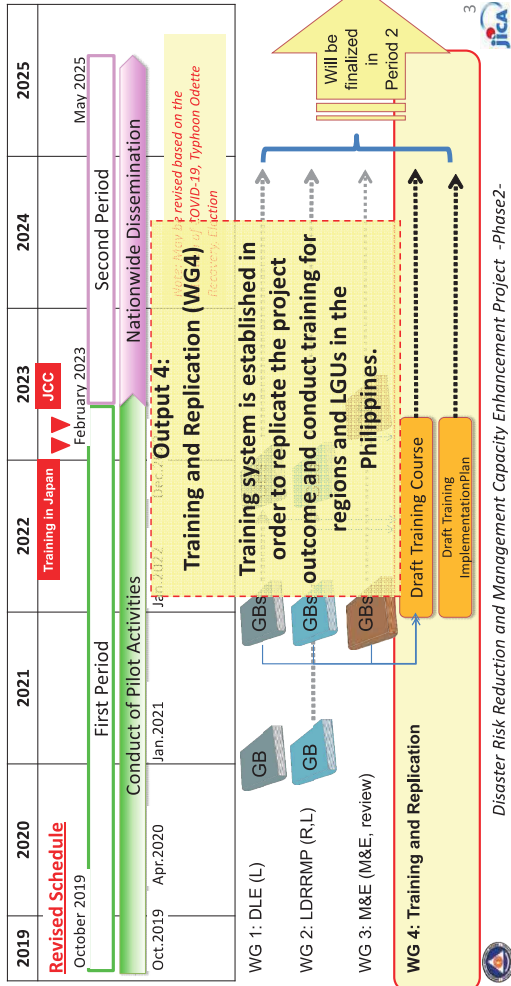
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WG4 Progress Outline

1. WG4 deliverables
2. WG4 activities and progress
3. WG4 next steps

(1/3) WG4 deliverables



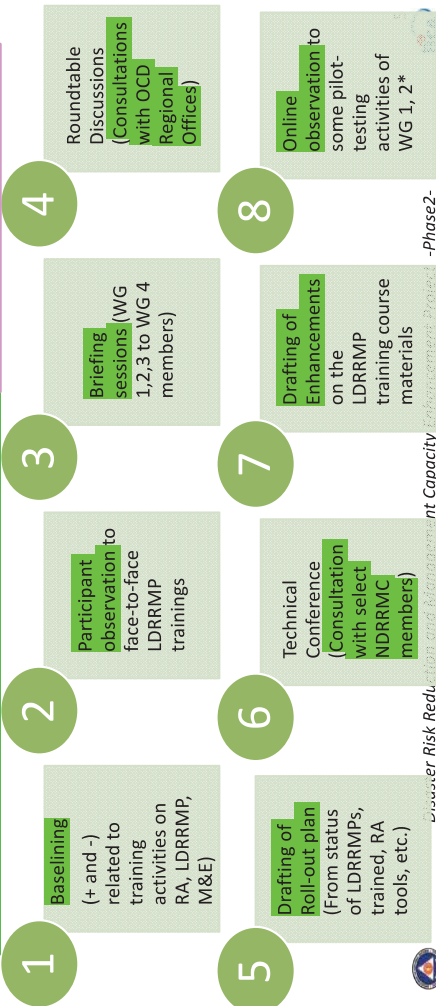
(1/3) WG4 deliverables

Period	Activity	Status
Period 1	4-1 Review the current state of DRRM training including construction of the NDRRMTI and Identify Challenges	On-going *Except for RDRRMP (4-3 (2-5))
	4-2 Consider the draft training structure for regions and LGUs	
	4-3 Based on the guidelines developed (1-6, 2-5, 3-3) draft training courses and modules for regions and LGUs <ul style="list-style-type: none"> 1-6: develop draft guidelines for reviewing hazard / risk information 2-5: develop draft guidelines for the formulation / revision of RDRRMPs / LDRRMPs 3-3: develop draft guidelines and monitoring and evaluation structure in order to implement the system considered 	
Period 2	4-4 Conduct a workshop for all the OCD regional offices on the draft training courses and modules developed in 4-3	2023 *Preparations ongoing
	4-5 Conduct a training in the pilot areas, based on the draft structures for training, monitoring and evaluation developed in [3-3] and [4-2], and the draft training courses and modules developed in [4-3].	
4-6	Based on the results of 4-5, revise the training structure developed in 4-2 and the training program and modules developed in 4-3	
4-7	Develop the training implementation plan (including schedule, budget, training of trainers, etc.) in order to replicate the project outcomes and conduct DRRM training for regions and LGUs in the Philippines	

(2/3) Activities and Progress

First Period

Second Period



Disaster Risk Reduction and Management Capacity Enhancement Project -Phase2-

Inputs and feedbacks from respondents and partners that are being considered by WG4 team

Content

(2/3) Activities and Progress

Enhance / update / Supplement

- **Dedicated module** on risk assessment: more information on CDRA, climatic profile of the locality; more accessible risk assessment tools; risk profile of neighboring LGUs
- **Consider all hazards:** storm surge, drought, climate-change, landslide, volcanic eruptions, earthquake, sink holes, human-induced, emerging and infectious diseases
- **Check economic losses** to include other factors (e.g. losses of farmers, cropping season losses)

- **Harmonization of planning tools and processes** (e.g. DRRMP with NDRRMC/DRRMIP and LCCAP, DRRM-H, CLUP, CDP, PDPPP, DRRM-H, CPs, intersection of CCAM and DRRM measures)
- **Process of preparation, approval, revision** updating of LDRRMPs and AIPs / DRRMPPs
- **State of Calamity (SoC), Quick Response Fund; LDRRMF utilization, Special Trust Fund (STF)**
- **Accessing NDRRMF** and other sources
- **Timeline of plan**
- **Annual / minimum PPAs**
- **Standardization of tools and process**
- **Management of the 'disaster waste'**

- Develop training materials
- LDRRMP review & LDRRMCO Assessment

Disaster Risk Reduction and Management Capacity Enhancement Project -Phase2-

(2/3) Activities and Progress

Inputs and feedbacks from respondents and partners that are

Continue/ Sustain

strategy for the effective roll-out of the training for LDRRMP

Three major strategies

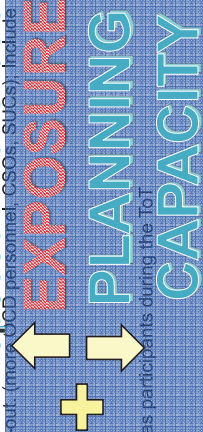
- 1 Provincial LDRRMP shall be made first
- 2 Cities and Municipalities with high exposure shall be prioritized
- 3 Cities and Municipalities with LDRRMP not updated or not formed as a complete plan shall be prioritized

Supporting tool to be provided and decided by OCD-RO and resource persons

Enhance /

- Train, mobilize additional partners for roll-out (more OCD personnel, CSOs, SUCs) include Local Auditors in training
- Local Budget system
- Training support system
- More practical ToT module
- Prioritization of 4th-6th class LGUs in training
- For OCD, prioritize planning and training section chiefs as participants during the ToT
- Rough draft of LDRRMP forms as training outputs
- How to write LDRRMP (content writing)

Proposed Prioritization:



draft

LDRRMP Training Course Design, OCD, (face to face)

(WG1) Guidebook on Damage and Loss Evaluation

(WG2) Enhanced Guidebook on Local Disaster Risk Reduction and Management Plan Formulation

(WG3) Guidebooks on Monitoring and Evaluation for the Local Disaster Risk Reduction and Management Plan

LDRRMP Training Course Design, OCD, (blended)

LOCAL DISASTER RISK REDUCTION AND MANAGEMENT PLANNING

Disaster Risk Reduction and Management Capacity Enhancement Project -Phase2-

Enhancements being done by WG4 under CEP2

LDRRRMP Training Course related



+ Guidebooks and FAQs:
 >DLE
 >LDRRRMP
 >M&E

+ Coaching and Mentoring
 + Online support platform & tools
 + Training materials
 *during internal LDRRRMP formulation activities of LGUs



Disaster Risk Reduction and Management Capacity Enhancement Project -Phase2-

results of the baseline researches and activities
 +
 existing OCD LDRRRMP training course materials
 +
 the draft guidebooks
 =

proposed enhancements to the LDRRRMP training course materials and training implementation system



Disaster Risk Reduction and Management Capacity Enhancement Project -Phase2-

Enhancements being done by WG4 under CEP2

LDRRRMP roll-out related

Strategy for the effective roll-out of the training for LDRRRMP

(Version Sep. 2022)

Supporting tool to be provided and decided by DCP-RO

1. Provincial LDRRRMP shall be made first
2. Cities and Municipalities with high exposure shall be prioritized
3. Cities and Municipalities with LDRRRMP not updated or not formed as a complete plan shall be prioritized

Additional point to consider in the implementation Plan

- Cities and Municipalities with "high planning capacity" can go first to make a good example
- Cities and Municipalities with "high training capacity" can go first since the officials involved in the process can be a potential trainers in the future
- Historical damage and losses data capabilities shall be considered (Ex. eastern seaboard LGU)

The priority of which LGUs to be supported considered to plan for an implementation

Concept of Prioritization and Support to LGUs

O - Activity to be done, □ - Activity with less priority, ■ - Activity with least priority

Situation	Capacity	Exposure	Priority	LDRRRMP Training		LDRRRMP Formulation Workshop	Coaching
				Yes	No		
High	High	Very High	5	4	□	□	□
		High	6	2	■	□	□
		Low	-	1	■	■	■
Medium	High	Very High	3	11	□	□	□
		High	4	6	□	□	□
		Low	-	13	□	□	□
Low	High	Very High	-	-	□	□	□
		High	-	-	□	□	□
		Low	-	-	□	□	□

Proposed concept of prioritization and support

Proposed prioritization tool



Disaster Risk Reduction and Management Capacity Enhancement Project -Phase2-

Proposed/Enhanced Indicative Programs / Course Outlines (v0)

LDRRRMP Orientation

LDRRRMP Training

LDRRRMP Training of Trainers

- **LDRRRMP Training Course Overview**
- **Fundamentals of Local DRRM Planning in the Philippines**
- **Situational Analysis**
- **Development of the LDRRRMP**
- **Monitoring and Evaluation for the LDRRRM**
- **Return demo**
- **Consolidation and Next Steps**



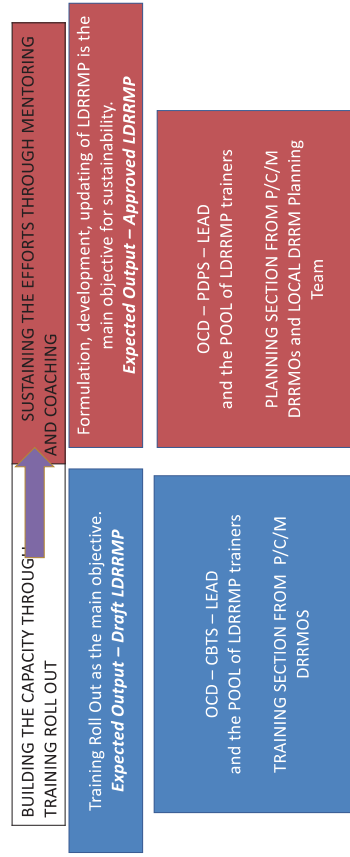
Disaster Risk Reduction and Management Capacity Enhancement Project -Phase2-

Current Challenges and Corresponding action plan

Current Challenges/Status	Action Plans for the ideas (by OCD HQs, OCD RO, LGUs)	Timeline	RESPONSIBLE OFFICE / AGENCY
1. Pending Approval of the LDRRMP Formulation (WG 2 Output) Guidebook and Policy Guidelines	Inclusion / presentation of the existing guidebook in the CY 2023 1 st Quarter NDRRMC Full Council Meeting	March 2023	OCD (PDPS)
2. Limited funds for LDRRMP Roll-out			
<ul style="list-style-type: none"> 1st TOT (NDRRMC, OCD CO, OCD RO, RDRRMC) 	Allotted a 400k budget for F2F (<i>insufficient</i>) per OCD Annual Budget for 2023 To lobby for an additional funding from partner (JICA)	April 2023	OCD CBTS / JICA
<ul style="list-style-type: none"> Orientation / Scoping of 1715 PCMs 	To be conducted via online; minimal budget requirement	April – June 2023	OCD CBTS / JICA
<ul style="list-style-type: none"> 2nd TOT (PCMs) 	To develop funding proposal from NDRRMF	July 2023	OCD CBTS / JICA

Current Challenges/Status	Action Plans for the ideas (by OCD HQs, OCD RO, LGUs)
3. Participation of LGUs in the Training Sessions / Roll Out	
<ul style="list-style-type: none"> Consistency in the training and formulation attendance (ex. Frequently absent, inconsistent representatives per day, etc) 	To conduct training via F2F method. Consult schedules to ensure participation of key offices / personnel in the training
<ul style="list-style-type: none"> Qualifications of the participants (ex. Should be regular staff, functions should be related to DRRM Planning, etc) 	Main pax should be from DRRMO, Engineering, Planning Office Recommendation for plantilla / regular staff as attendee; this shall be mentioned in the invitations and memo as necessary.

Sustaining the LDRRMP Capacity Development Initiative



Maraming
salamat po!

Thank you!

Arigato
gozaimasu!

ANNEX5 Monitoring Sheet

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TO Chief Representative of JICA PHILIPPINES OFFICE

PROJECT MONITORING SHEET

Project Title: Disaster Risk Reduction and Management Capacity Enhancement Project -
Phase II (DRRM-CEP2)

Version of the Sheet: Ver. 1.0 (Monitoring Period: October, 2019 - December, 2020)

Name : Usec. Ricardo B. Jalad
Title : Administrator, Office of Civil
Defense and Executive Director,
National Disaster Risk Reduction
and Management Council

Name : Yoshihiko Uchikura
Title : Team leader / DRRM Governance
Submission Date : December 10, 2020

I. SUMMARY

1. Progress

1.1 Progress of Inputs

(1) Dispatch of Japanese Experts

The following Japanese Experts were dispatched during the monitoring period (From October 2019 to December, 2020).

Assignment	Name	Period of assignment
Team Leader / DRRM Governance	Yoshihiko UCHIKURA	Sept.25 – Oct.4, 2019 Nov.18 – Nov.29, 2019 Jan.19 – Jan.25, 2020
Deputy Team Leader / DRRM Planning 1	Toshiaki KUDO	Sept.29 – Oct.11, 2019 Nov.25 – Dec.15, 2019
DRRM Planning 2	Naoko KITAZAWA	Sept.18 – Oct.13, 2019 Oct.24 – Dec.1, 2019 & Dec.6 – Dec.21, 2019 Feb.3 – Feb.6, 2020 Feb.17 – March 18, 2020
Disaster Risk Assessment	Akihiro FURUTA	Sept.18 – Oct.17, 2019 Nov.18 – Dec.7, 2019 Jan.20 – Feb.8, 2020
Hazard Information 1 (Flood & sediment disaster)	Yusuke YAMAZAKI	Oct.14 – Oct.24, 2019 Nov.4 – Nov.22, 2019 Jan.8 – Jan.22, 2020
Hazard Information 2 (Earthquake & Volcano)	Kenpei KOJIKI	Oct.21 – Nov.19, 2019 Jan.27 – Feb.21, 2020
Structural Countermeasure	Satoshi TAKATA	Sept.30 – Oct.19, 2019
Non-Structural Countermeasure	Daisuke FUJITA	Feb.17 – March 14, 2020

Disaster Risk Reduction and Management Capacity Enhancement Project - Phase II (DRRM-CEP2)
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Assignment	Name	Period of assignment
Development Plan & Land-Use Plan	Yoshizumi GONAI	Nov.25 – Dec.20, 2019 Feb.17 – 21, 2020
DRRM Information	Takuya ITO	-
DRRM Training Program	Motoyo ARAKI	Oct.7 – Nov.1, 2019
DRRM Technology	Shinji IIDA	Nov.24 – Nov.30, 2019
Project Coordination / Capacity Development	Mariko YAMADA	Oct.1 – Oct.25, 2019 Nov.18 – Dec.6, 2019 Jan.20 – Jan.31, 2020

(2) Assignment of Counterparts

From the Philippines Side, the Project Director and Project Manager are as follows.

- (a) Project Director: Usec. Ricardo B. Jalad, Administrator of the Office of Civil Defense (OCD) and Executive Director of the National Disaster Risk Reduction and Management Council (NDRRMC)
- (b) Project Manager: Atty. Tecson John S. Lim, Director of the Planning Development Planning Service of the Office of Civil Defense (PDPS-OCD)

There was a change from the Record of Discussions (hereinafter referred to as “R/D”) of August 6, 2019, in which the Project Manager was planned to be the Deputy Administrator of OCD.

The list of counterparts from OCD is as follows.

Working Group	Leader	Members
WG 1 Disaster Risk Understanding and Information	Leader: Ms. Cheryl Loise T. Leal, DRGD-PDPS	Mr. Relan Jay Asuncion, OS Ms. Deniece Krizia Manding, OS Mr. Kenneth Menor, PDPS Mr. Marvin Arias, PDPS Mr. Raffy Z. Lucas, CBTS
WG 2 Local DRRM Planning	Leader: Mr. Manuel R. Nivera, Jr., C, DDSD-PDPS	Ms. Cheryl Loise T. Leal, PDPS Mr. Benito Salvador, Jr., PDPS Mr. Renato Libunao, Jr., PDPS Ms. Hyacinth Jeane Barros, CBTS
WG 3 Monitoring and Evaluation	Leader: Mr. Benito Salvador, Jr., PDPS	Mr. Robi Jericho De Gracia, PDPS Mr. Emmanuel Balajadia, PDPS Ms. Gia Mae Resaba, PDPS Ms. Hannah Grace Escamilla, CBTS
WG 4 Training and Replication	Ms. Roliz Mae Salvador, CBTS (Principal)	Mr. Kenneth Menor, PDPS CBTS
	Ms. Rachelle Miranda, CBTS (Alternate)	

DRGD-PDPS: Disaster Risk Governance Division of the Division Policy Development and Planning Service
DDSD-PDPS: DRRM Development and Standards of the Division Policy Development and Planning Service
CBTS-TAD : Training and Advocacy Division of the Capacity-Building and Training Service

Disaster Risk Reduction and Management Capacity Enhancement Project - Phase II (DRRM-CEP2)
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In addition, resulting from the Joint Working Group Meeting held on November 26, 2019, the following organizations were identified as Working Group members.

Organization		Related Working Group
CCC	Climate Change Commission	WG1: Disaster Risk Assessment WG2: LDRRMP Formulation
CHED	Commission on Higher Education	WG4: Training and Replication
DBM-LGRCB	Local Government and Regional Coordination Bureau	WG3: Monitoring and Evaluation
DENR-CCS	Climate Change Service	WG2: LDRRMP Formulation
DENR-MGB / Geo Hazard Division	Mines and Geosciences Bureau	WG1: Disaster Risk Assessment
DENR- NAMRIA	National Mapping and Resource Information Authority	WG1: Disaster Risk Assessment
DENR-RBCO	River Basin Control Office	WG2: LDRRMP Formulation
DHSUD	Department of Human Settlements and Urban Development (Former HLURB)	WG2: LDRRMP Formulation
DILG-BLGD	Bureau of Local Government Development	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation
DILG-BLGS	Bureau of Local Government Supervision	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation
DILG-CODIX	Central Office Disaster Information Coordinating Center (CODIX)	WG2: LDRRMP Formulation
DILG-LGA	Local Government Academy	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation WG4: Training and Replication
DOH-HEMB	Health Emergency Management Bureau	WG2: LDRRMP Formulation
DOST-ASTI	Advanced Science and Technology Institute	WG1: Disaster Risk Assessment
DOST- PAGASA,	Philippine Atmospheric, Geophysical and Astronomical Services Administration	WG1: Disaster Risk Assessment
DOST- PHIVOLCS	Philippine Institute of Volcanology and Seismology	WG1: Disaster Risk Assessment
DPWH - BOM	Bureau of Maintenance	WG2: LDRRMP Formulation
DPWH – PS	Planning Division and PPP	WG2: LDRRMP Formulation
DRRNet- Philippines	-	WG2: LDRRMP Formulation
DSWD- DRMB	Disaster Response Management Bureau	WG2: LDRRMP Formulation
NEDA-RDG	Regional Development Group	WG3: Monitoring and Evaluation
PSA	Philippine Statistics Authority	WG1: Disaster Risk Assessment
ULAP	Union of Local Authorities of the Philippines	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation WG4: Training and Replication

1.2 Progress of Activities

(1) Overall Project

[0-1] : Support to Conduct Joint Coordination Committee (JCC) Meetings and Progress Explanation

a) JCC Meetings

Kick-off and first JCC meetings were held during the monitoring period.

No.	Date	Agenda	Participants
Kick-off Meeting	October 3, 2019	<ul style="list-style-type: none"> • Presentation of DRRM-CEP2 in line with Sendai Framework • Explanation of Draft Work Plan • Presentation of Draft PDM and Format of Monitoring Sheet • Confirmation of Criteria for Selecting Pilot LGUs • Confirmation of Implementation Method of Baseline Survey 	30 participants <ul style="list-style-type: none"> • OCD Central Office • OCD Region IVA • OCD Region VII • PHIVOLCS • LGA • DPWH • DREAMB-DSWD • NEDA • BLGD-DILG • MGB-DENR • JICA • JICA-DRRMCEP2 Project Team
First JCC	December 10, 2020	<ul style="list-style-type: none"> • Approval of JCC Members • Approval of the proposed Working Group Members for each Output • Approval of the revised Schedule and Activities • Approval of the revised Work Plan, PDM and Format of Monitoring Sheet • Approval of Pilot LGUs • Approval of the Result of Baseline Survey 	<ul style="list-style-type: none"> •

b) Inter-Working Groups Meetings

In addition, two Inter- Working Groups meetings involving Technical Officials from related Agencies were held to check the detailed progress and consider technical issues.

No.	Date	Agenda	Participants
First Inter-WG meeting	November 26, 2019	<Nomination of WG members> <ul style="list-style-type: none"> • For discussion and approval: <ul style="list-style-type: none"> (a) Proposed membership of each working group (b) Roles and responsibilities of working group members • Proposed activities and Updates from each working group • For discussion <ul style="list-style-type: none"> (a) Challenges to solve for the Baseline Survey (b) Explanation on Pilot Activities 	34 participants <ul style="list-style-type: none"> • OCD • PHIVOLCS • ASTI-DOST • DENR-MGB • BLGD-DILG • LGA • NEDA • DPWH • DSWD • JICA Philippine Office • JICA-DRRMCEP2
Second Inter-WG meeting	December 4, 2020	<JCC Preparation meeting> <ul style="list-style-type: none"> • Explanation on the Revised Activity Schedule 	<ul style="list-style-type: none"> •

Disaster Risk Reduction and Management Capacity Enhancement Project - Phase II (DRRM-CEP2)
MONITORING SHEET SUMMARY

No.	Date	Agenda	Participants
		<ul style="list-style-type: none"> • Explanation on the Work Plan, PDM and Format of Monitoring Sheet • Reporting on the Baseline survey results, WG composition, achievements and next steps per WG • Explanation on the Pilot-LGU selection and results 	

c) Periodic Counterparts Meeting

In addition to the continuous coordination meetings conducted by each working group, Counterparts Meeting involving OCD officials and Japanese experts were conducted periodically to share and check the progress of the whole project.

No.	Date	Agenda	Participants
First CP meeting	November 26, 2019	<ul style="list-style-type: none"> • Confirm the activities and target milestones of each WG • Pilot LGU selection process and criteria • Proposed WG members from other agencies • Preparation for the first Counterpart Training in Japan (scheduled in April 2020) 	18 participants
Second CP meeting	June 23, 2020	(Online meeting) <ul style="list-style-type: none"> • Revision of the JICA-DRRMCEP2 Project Schedule • Proposed additional activities to be conducted remotely 	17 participants
Third CP meeting	July 29, 2020	(Online meeting) <ul style="list-style-type: none"> • 1. Revised schedule of the project <ul style="list-style-type: none"> (a) Overall schedule (b) Pilot activities (c) Contingency plan • 2. Selection of pilot areas <ul style="list-style-type: none"> (a) Report to NGAs (b) Davao city • 3. Meeting with related NGAs • 4. Others 	22 participants
Fourth CP meeting	November 13, 2020	(Online meeting) <ul style="list-style-type: none"> • 1. Recapitulation on the last CP meeting (July 29, 2020) • 2. JCC preparation <ul style="list-style-type: none"> (a) Remind on the purpose and important issues to be agreed by JCC members (b) Proposed agenda (c) Preparation Status • 3. Quick updates • 4. Revised Schedule (same as July 29) 	•

(2) Output 1

[1-1] : Review the Current State of Hazard Assessment/Information and Identify Challenges

[1-2] : Review the Current State of Risk Assessment / Information and Identify Challenges

A series of baseline interviews and these follow-ups with related agencies and academic organizations was held in order to review the current status of Hazard Assessment / Information and Risk Assessment / Information and identify challenges.

Date	Agencies and Organizations	Main Subjects
Oct.11, 2019	Baseline interview with DOST/ PHIVOLCS	<ul style="list-style-type: none"> Current Actions by DOST about Hazard Analysis, Disaster Risk Assessment and Development of Related Systems
Oct.15, 2019	Baseline interview with UP-Resilience Institute	<ul style="list-style-type: none"> Current Status of UP NOAH Project (Flood, Landslide, Storm Surge)
Oct.16, 2019	Baseline interview with DOST/ASTI	<ul style="list-style-type: none"> Utilization of Satellite Images (PEDRO) Advanced Mapping Technology
Oct.30, 2019	Baseline interview with DOST/PHIVOLCS	<ul style="list-style-type: none"> REDAS GeoRisk.PH
Nov.6, 2019	Baseline interview with DENR/MGB	<ul style="list-style-type: none"> Flood and Landslide Susceptibility Maps (1:50,000, 1:10,000)
Nov.11, 2019	Baseline interview with HLURB	<ul style="list-style-type: none"> CDRA for CLUP
Nov.11, 2019	Baseline interview with NAMRIA	<ul style="list-style-type: none"> Available Topographic Maps (1:10,000, DEM)
Nov.13, 2019	Baseline interview with DOST/PAGASA	<ul style="list-style-type: none"> Flood Modeling, Storm Surge Modelling
Nov.15, 2019	Baseline interview with Municipality of General Mariano Alvarez (GMA)	<ul style="list-style-type: none"> Utilization of the Result of REDAS for CDP, CLUP and LDRRMP
Nov.19, 2019	Baseline interview with DILG/BLGD	<ul style="list-style-type: none"> CDRA for CDP
Nov.22, 2019	Baseline interview with DOST/PHIVOLCS	<ul style="list-style-type: none"> Calculation Method of Damages and Losses by REDAS System Modules in Detail
Dec.6, 2019	Baseline interview with UP-ICE	<ul style="list-style-type: none"> The Result of GMMMA RAP Fragility and Vulnerability Corves of Buildings (Seismic Shaking, Flood, Destructive Wind)
Jan.31, 2020	Baseline interview with DOST/PHIVOLCS	<ul style="list-style-type: none"> Calculation Method of Damages and Losses by REDAS
Feb.3, 2020	Baseline interview with UP-ICE	<ul style="list-style-type: none"> Fragility and Vulnerability Corves of Buildings How to develop the exposure database
Feb.7, 2020	Baseline interview with Bacoor City	<ul style="list-style-type: none"> Building Permission System
Apr.14, 2020	Online Meeting with PAGASA	<ul style="list-style-type: none"> Flood Modeling, Extreme Rainfall Projection using RCP 4.5 Scenario
Oct.5, 2020	Online Meeting with DENR/MGB	<ul style="list-style-type: none"> Methodology for Developing Flood Susceptibility Map
Oct.9, 2020	Online Meeting with UP-Resilience Institute	<ul style="list-style-type: none"> A result of Flood Modeling by UP NOAH
Oct.29, 2020	Online Meeting with DOST/ASTI & PhSA	<ul style="list-style-type: none"> Automated Building Footprint Extraction

Based on the results from the meetings mentioned above and documents review, the current situation of data, tools and procedures for understanding local disaster risks and selecting

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necessary DRR measures in the process of LDRRMP formulation and these major challenges were identified as the following.

1. Available Data of Hazard, Exposure and Vulnerability Utilized for Understanding Local Disaster Risks and Identifying necessary DRR Measures

	Current Situation	Major Challenges
HAZARD	Hazard maps for major natural disasters such as earthquake, tsunami, volcanic eruption, flood, landslide and high tide, which every LGU throughout the country can refer to in the LDRRMP formulation, have been developed and updated by responsible NGAs and academic research institutes.	For gaining better understanding local disaster risks as a process of LDRRMP formulation, there is now a confusion on the side of the LGU on what to use. LGUs need to be guided on how to select suitable hazard maps from the ones that were developed based on the different analytical approaches (e.g. scenario model or probabilistic model) and how to reflect a decrease of hazard impact by any structural countermeasures in the existing hazard maps (e.g. how to show an effect of installing levee in the exiting flood map).
EXPOSURE	Various spatial data about building footprints, land use and land cover are being generated from different sources. Every LGU throughout the county can get them without charge according to each application process. But currently those spatial data doesn't have attribute information and it is required to integrate available statistical sources such as CENSUS data in the spatial data, if population and building information is needed for evaluating disaster risks.	The best option is for LGUs to develop their own exposure data based on the detailed field survey which is recommended to conduct for quantitative disaster impact assessment using REDAS. But most LGUs don't have the capabilities and capacities to do so. As one of the recommendations, the NDRRMC may explore a method to prepare a basic exposure database using CENSUS data and other available data with the Philippine Statistic Authority (PSA).
VULNERABILITY	Vulnerability curves of buildings to seismic shaking, flood inundation and distractive wind (fragility curves of buildings to seismic shaking) have been developed in the GMMA-RAP (Risk Analysis project for Great Metro Mania Area) based on the historical records of past disasters and, experiences and considerations from experts in the country. There are few studies for engineering approaches about vulnerability assessment of buildings, infrastructures and lifelines for each disaster in Philippines.	There is a need to verify the differences of building types and the characteristics produced under GMMA-RAP with each LGU or local area, this is because GMMA-RAP do not represent majority of the LGUs outside of the Greater Metro Mania Area. There is a way to utilize results of vulnerability assessment of buildings, infrastructures and lifelines developed in other counties (e.g. Results in Japan).

2. Current Evaluation Tools and Methods for Disaster Risk Assessment (DRA) Developed by NGAs

	REDAS (Rapid Earthquake Damage Assessment System)	CDRA (Climate and Disaster Risk Assessment)	GeoRisk.PH
Main Developer	<u>DOST/PHIVOLCS</u>	<u>DHSUD (HLURB) for CLUP</u> <u>DILG for CDP</u>	<u>DOST/PHIVOLCS</u>
Main Objective (Initial purpose) for Development	To produce hazard and risk maps immediately after the occurrence of a strong and potentially damaging earthquake.	To mainstream CCA-DRRM in the local plans (CDP, CLUP, LDRRMP, LCCAP). To give findings for analyzing the situation of a concerned LGU from an aspect of impacts of CCA-DRRM.	To provide protocols and platforms to share hazards, exposure and risk information for planning how to reduce the risks for natural hazards.

Disaster Risk Reduction and Management Capacity Enhancement Project - Phase II (DRRM-CEP2)
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	REDAS (Rapid Earthquake Damage Assessment System)	CDRA (Climate and Disaster Risk Assessment)	GeoRisk.PH
Features of Methods	<u>Quantitative damage and loss evaluation using stand-alone software for hazard and risk simulation</u>	<u>Qualitative scoring method using dedicated score charts and matrices.</u> <u>Overlay method using GIS software is applied for calculation of the amount of exposure in each hazard level spatially.</u>	<u>Web-based hazard and risk evaluation.</u> <u>Overlay method based on web-GIS technology is applied for calculation of hazard areas in the concerned LGU.</u>
Current Situation	REDAS is the only official system to enable a quantitative estimation of damage and loss due to natural disasters in Philippines. REDAS is still not popular for Local planning. The result of REDAS has not been reflected to the process of LDRRMP formulation yet. The average number of organizations such as NGAs, LGUs and other research institutes trained by six-day training from 2006 is 10 organizations per year.	CDRA is one of the major tools to indicate vulnerable areas for each exposed elements to climate change and natural disasters using qualitative scoring method. CDRA became popular for mainstreaming CCA-DRRM in CLUP and CDP under the support of DHSUD (HLURB) and DILG. Based on the existing training material for LDRRMP formulation developed by OCD-CBTS, CDRA is recommended as a tool for understanding local disaster risks.	GeoRisk.PH is currently under development. It will be possible for LGUs to gain the summary of hazard and risk information in own administrative area directly from web-site of GeoRisk.PH without requiring enhanced GIS knowledge and skills.
Major Challenges	There is a big challenge in the aspect of popularization of REDAS utilization for local planning, because it's difficult for PHIVOLCS to conduct a lot of times of the training in a year even though all uses of REDAS have to take the training. Since appropriate person with much knowledge about REDAS is required for operation, LGUs have to develop a human resource or employ an expert.	It is not adequate for CDRA to estimate quantitative disaster damage and economic losses and effects of mitigation by countermeasure. Since appropriate person with much knowledge about CDRA is required for operation, LGUs have to develop a human resource or employ an expert.	As of now, GeoRisk. PH has a limited function to calculate an affected area and a number of affected population in the area by barangay at the minimum. The simplicity of function is one of the advantages of GGeoRisk.PH, but it is not adequate for LGU if they want to use an original data about hazard and exposure and estimate physical damages and economic losses based on those own database.

3. Typical Outputs of Disaster Risk Profiles in Existing LDRRMPs

Current Situation	Major Challenges
The Disaster Risk Profiles for each natural disaster is organized using different DRA approaches. But oftentimes it is observed that the results of Disaster Risk Profiles are not translated or integrated in the LGU's identified goals, outcomes in the current LDRRMPs. DRA has not been utilized for identification and prioritization of DRRM measures in the process of formulating LDRRMPs yet.	It is necessary to clarify the path how the results of Disaster Risk Profiles will be reflected in the formulation of LDRRMP, so that these results are closely linked to the selection of appropriate DRRM Measures.

[1-3] : Consider Risk Assessment Methods so that Disaster-Related Officials (DRRM Officials) can Understand Local Disaster Risks and Realize Disaster Risk Reduction through Countermeasures.

Based on the result of activities [1-1] and [1-2], the WG1 member has been discussing a practical DRA procedure which is closely linked to setting DRRM strategies and listing necessary DRRM countermeasures at the stage of LDRRMP formulation. From the Japanese experience applying DRA method to disaster related planning, the JICA Expert Team proposed a procedure of Damages and Losses Evaluation (DLE) as one of DRA methods for LDRRMP formulation. Then, WG1 member is exploring a feasible way to add the DLE in the process of disaster risk profiles and selection of necessary DRRM measures with due considerations to keeping a better relationship with current approaches such as CDRA for identifying disaster characteristics in a target LGU through a series of the internal meeting shown as the following.

Date		Main subject
Sep. 14, 2020	1 st WG1 Internal Meeting	<ul style="list-style-type: none"> • Introduction of proposed damages and losses evaluation procedure as a DRA method for LDRRMP formulation
Oct. 2, 2020	2 nd WG1 Internal Meeting	<ul style="list-style-type: none"> • How to create a relationship between WG1 and WG2 • How to reflect a result of DLE to set a DRRM Strategy and select priority countermeasures
Nov.9, 2020	3 rd WG1 Internal Meeting	<ul style="list-style-type: none"> • Relationship between current DRA methods and Damages and Losses Evaluation • Example of DLE in case of seismic shaking and flood
Nov.24, 2020	Consultation Meeting with DOST/PHIVOLCS	<ul style="list-style-type: none"> • Possibility to utilize REDAS as a tool of DLE for LDRRMP formulation

The WG1 member will continue consultation meetings with other related agencies to gain the consensus about adapting the DLE in the formulation of LDRRMP through the technical WG activity.

[1-4] : Set Selection Criteria and Select LGUs in the Pilot Regions.

In order to select Pilot LGUs in Regions 4A and 7, the following set of criteria were set.

Province	<ul style="list-style-type: none"> • Good timing of PDRRMP review and revision according to PDRRMOs • Accessibility of LGU • High socio-economic development potential • High exposure to multi-hazard (flood, earthquake, liquefaction, etc) • Recommendation of OCD-RO • Avoidance of duplication with existing efforts and programs
City/Municipality	<ul style="list-style-type: none"> • Consideration of the "Timing" of LDRRMPs' revision • Accessibility of LGU • Socio-economic potential • Potential hazard (with high exposure to "multi-hazard") • Recommendation of PDRRMO

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In order to collect information related to the candidates LGUs, initial discussions were held such as follows.

Date		Milestones
Nov. 28, 2019	Field Visit in OCDRIV-A	<ul style="list-style-type: none"> Presented the JICA-DRRMCEP2 Conducted additional data gathering from the region Visited LGU of Los Banos for DRRM programs and projects
Dec.12, 2019	Field Visit in OCDRVII	<ul style="list-style-type: none"> Presented the JICA-DRRMCEP2 Consultation with the Provinces of Cebu, Bohol and Siquihor
Feb.5, 2020	Field visit to LGU of Cavite	<ul style="list-style-type: none"> Presented the JICA-DRRMCEP2 Consultation with the Province of Cavite
Feb.21, 2020	Field visit to LGU of Laguna	<ul style="list-style-type: none"> Presented the JICA-DRRMCEP2 Consultation with the Provinces of Laguna

Based on the consultations with OCD, related NGAs, LGUs and JICA, and by reflecting the criteria described above, the Project Team has selected the Provinces of Laguna and Bohol, City of Calamba and Municipality of Tubigon to conduct the 1st stage of pilot activities.

MOAs between the Provinces of Laguna and Bohol, Calamba City and the Project Team are being agreed in the near future. Regarding the Municipality of Tubigon, the MOA has already been signed by the Mayor in November, 2019.

Once the MOAs are exchanged, the Project Team will coordinate with Pilot LGUs in order to prepare the Pilot Activities (for example, to start the analysis and mapping of basic data, related plans etc).

[1-5] : Support the Review of Risk Information in the Pilot Areas based on the Existing Hazard / Risk Assessment by Using the Risk Assessment Methods considered in [1-3].

Initial data collection and analysis have started by using the data collected during the baseline survey. Detailed assessment of the exiting hazard and risk based on basic information related to exposure database such as statistical data, building inventory, land-use and others managed by LGUs will officially start after the MOA agreement from Pilot LGUs.

The two-time REDAS online trainings were held on the following with attendance from OCD-R 4A and OCD-R7 with OCD headquarters. Through the trainings, DLE of seismic shaking was carried out facilitated by REDAS Team from DOST/PHIVOLCS using the Barangay-wise exposure database in Laguna Province and Bohol Province respectively. These results of DLE by REDAS can be directly utilized for the risk profiling on seismic shaking in the pilot area.

/Date		Target Area / Participants
Aug. 25 - 27, 2020	1 st Batch REDAS Online Training	Laguna Province / OCD-PDPS, CBTS, OCDR4A, JICA Expert Team
Sep. 8 - 10, 2020	2 nd Batch REDAS Online Training	Bohol Province / OCD-OS, OCDR7 and others

After the online trainings, the WG1 member requested REDAS Team to conduct further DLE focus to other type of hazards such as tsunami, flood, and destructive wind in addition to seismic shaking. REDAS Team accepted this request and promised that they will try to do it by the end of 2020.

[1-6] : Develop Draft Guidelines for Reviewing Hazard / Risk Information.

As a result of consideration of suitable DRA procedure for each hazard item in the activity [1-3], the first draft will be developed by the WG1 member before beginning the 1st stage of pilot activity in Laguna Province and Bohol Province.

(3) Output 2

[2-1] : Review the Current Status of RDRRMPs/LDRRMPs and Identify Challenges

A series of consultation meetings with related agencies was held in order to review the current status of Regional and Local DRRMPs and identify challenges.

Date		Milestones
Nov.12, 2019	Baseline interview with HLURB	<ul style="list-style-type: none"> Collect information on CLUP formulation process, challenges to cascade guidance to LGUs etc.
Nov.19, 2019	Baseline interview with DPWH	<ul style="list-style-type: none"> Obtained information on DRRM Programs and Projects of DPWH (Earthquake Management and Resiliency Program, West Valley Fault Vulnerability Assessment, post-rehabilitation projects, compliance, etc.)
Nov.21, 2019	Baseline interview with NEDA	<ul style="list-style-type: none"> Obtained information on the ff: TA for DRR-CCA mainstreaming in PDPFP; status of PDPFP; and review process and monitoring PDPFP
Nov.29, 2019	Baseline Interview with DENR-CCS	<ul style="list-style-type: none"> Obtained information on the Risk Resiliency and Sustainability Program, DRRM-CCA capacity building, funding
Dec.6, 2019	Baseline Interview with DENR-RBCO	<ul style="list-style-type: none"> To collect information on the River Management Plans of major River Basins in Region 4A and 7.
Dec. 17, 2019	Baseline Interview with DILG	<ul style="list-style-type: none"> Shared possible areas on harmonization of LDRRMP and LCCAP
March 3, 2020	Baseline Interview with DPWH	<ul style="list-style-type: none"> Collect information on building design standards
June 18, 2020	Online Meeting with DOH	<ul style="list-style-type: none"> Discussed the integration of DRRM-H in the LDRRMP
Oct.9, 2020	Online Meeting with DPWH	<ul style="list-style-type: none"> Discussed the Stage 3 on DRRM Measures planning of the LDRRMP Guidebook

Based on the results from the consultation meetings mentioned above and documents review, the following five major challenges related to LDRRMP formulation were identified.

1. Low vertical and horizontal linkage with other related plans => Difficulty to formulate applicable and comprehensive DRRMP
2. Unclear targets in short and midterms => Difficulty to formulate realistic DRRMP
3. Low consideration on measures to reduce disaster risk itself => Difficulty to formulate effective DRRMP
4. Low priority on DRRM => Insufficient or inadequate budget to implement DRRM measures

5. Unclear guides and rules on LDRRMP and low dissemination of guidelines to LGUs =>
Challenges for LGUs to formulate and implement DRRMP complying NGAs' requirements

Regarding RDRRMP, further considerations will be done by reflecting the Updated NDRRMP.

[2-2] : Consider DRRM Countermeasures based on Disaster Risk Information / Consider the Options of Disaster Risk Reduction Measures to Reduce Human Casualties and Economic Losses based on Disaster Risk Information that should be implemented at each level of Governance (Nation, Region, Province, City and Municipality).

Resulting from [2-1], a list of the possible DRRM measures, including both structural and non-structural measures, to be implemented by each level of Governance (Nation, Region, Province, City and Municipality) was considered and will be consolidated based on further consultations with the Pilot LGUs and WG members.

[2-3] : Support the Formulation of RDRRMPs/LDRRMPs in the Pilot Areas based on the Risk Assessment Conducted in [1-5].

Initial data collection and analysis have started by using the data collected during the baseline survey. Deepen discussion on specific issues such as funding resources of DRRM measures will officially start after the MOA agreement from Pilot LGUs.

[2-4] : Review the Related Local Plans such as CDP, CLUP and LCCAP, and Support Adjustment of RDRRMPs/LDRRMPs in the pilot areas.

Same as [2-3].

[2-5] : Develop Draft Guidelines for the Formulation and Revision of RDRRMPs/LDRRMPs.

The first draft was prepared and shared to OCD-Regional Planning Officials on November 19, 2020, as one session of the Planning Family Conference. The Draft is planned to be shared to other WG member agencies, in December.

The draft will be consolidated by reflecting the feedback from OCD officials and related agencies.

(4) Output 3

[3-1] : Review the Current State of OCD's Information Management on RDRRMPs/LDRRMPs and Identify Challenges.

A series of consultation meetings with related agencies was held in order to understand the current status of information management DRRMPs in the Philippines, and identify challenges.

Date		Milestones
Oct.18, 2019	Baseline interview with LGA	<ul style="list-style-type: none"> Collect information on LGA Monitoring and Evaluation System on DRR-CCA
Nov.6, 2019	Roundtable Discussion with OCD Regional Directors – I, III, IVA, V, VI, VII, CAR, MIMAROPA	<ul style="list-style-type: none"> Presented the JICA-DRRMCEP2 Presented initial results of the OCDR baseline survey Obtained positive experiences, gaps and challenges, and immediate actions

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Date		Milestones
		<ul style="list-style-type: none"> Facilitated sharing of the different regions on LDRRMP Review
Nov.20, 2019	Baseline interview meeting with DBM	<ul style="list-style-type: none"> Obtained information about the current processes and challenges on the LDRRMF preparation, approval, and utilization

In addition, the results of the LDRRMPs review conducted by OCD-Regional offices, COA audit reports from 2014 to 2018, LDRRMF Utilization Reports of Regions IV-A and VII were reviewed.

Based on the results from the consultation meetings mentioned above and documents review, the following five major challenges related to LDRRMP formulation were identified.

1. Difficulties to conduct the review itself, because the guides were unclear and consequently the review process and checkpoints differ from each Region;
2. Difficulties to assess the implementation status because of the low reporting from LGUs.

[3-2] : Consider OCD’s Information Management, Monitoring and Evaluation System and Methods for the Formulation, Revision and Implementation of RDRRMPs/LDRRMPs.

Based on the reflections of [3-2], WG3 recognized that it is fundamental to: 1) Provide clear guides on what is required (WG2) and how to review those requirements (WG3) and, 2) Identify the process and agreement needed to conduct M&E of the formulation and implementation status of LDRRMP.

These two aspects are strongly linked with the Guidebook of WG2 developed in [2-5]. Therefore, WG3 members are coordinating with WG2 members to draft the Stage 5 to Develop a Results-Based Monitoring & Evaluation Plan of the Guidebook of WG2.

(5) Output 4

[4-1] : Review the Current State of DRRM Training including Construction of the NDRRM Training Institute and Identify Challenges.

A series of consultation meetings with related agencies was held in order to understand the current status of trainings related to LDRRMP in the Philippines, and identify challenges.

Date		Milestones
Oct.10, 2019	Baseline interview with DILG-LGA	<ul style="list-style-type: none"> Presentation of CEP2 Hearing current situation of the support for LGUs Request for Baseline survey
Oct.18, 2019	Baseline interview with OCD-CBTS	<ul style="list-style-type: none"> Interview for baseline survey
Oct.23, 2019	Baseline interview with DILG-LGA	<ul style="list-style-type: none"> Interview for baseline survey
Oct.23, 2019	Baseline interview with OCD-CBTS	<ul style="list-style-type: none"> Interview for baseline survey
Oct.31, 2019	Baseline interview with NGO-CPDFI	<ul style="list-style-type: none"> Interview for baseline survey
Nov.12, 2019	Baseline interview with HLURB CO	<ul style="list-style-type: none"> Interview for baseline survey
Nov.18, 2019	Baseline interview with DOST-PAGASA	<ul style="list-style-type: none"> Interview for baseline survey

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Date		Milestones
Nov.19, 2019	Baseline interview with DILG-BLGD, LDPD	<ul style="list-style-type: none"> • Interview for baseline survey
Nov.21, 2019	Baseline interview with NEDA-RDS	<ul style="list-style-type: none"> • Interview for baseline survey
Nov.28, 2019	Baseline interview with Los Baños, Laguna	<ul style="list-style-type: none"> • Interview for baseline survey
Nov.28, 2019	Baseline interview with OCD-R4A	<ul style="list-style-type: none"> • Interview for baseline survey • Hearing current situation for conducting training
Nov.29, 2019	Baseline interview with NGA-DENR	<ul style="list-style-type: none"> • Interview for baseline survey
Dec.12, 2019	Baseline interview with OCD-R7	<ul style="list-style-type: none"> • Interview for baseline survey • Hearing current situation for conducting training
Dec.12, 2019	Baseline interview with OCD-R7 (Ponte)	<ul style="list-style-type: none"> • Interview for baseline survey
Dec.12, 2019	Baseline interview with OCD-R7 (Villaflor)	<ul style="list-style-type: none"> • Interview for baseline survey
Dec.12, 2019	Baseline interview with Provincial Bohol	<ul style="list-style-type: none"> • Interview for baseline survey
Dec.13, 2019	Baseline interview with HLURB-CVR	<ul style="list-style-type: none"> • Interview for baseline survey
Dec.19, 2019	Baseline interview with DSWD-DRRMB	<ul style="list-style-type: none"> • Interview for baseline survey
Jan.23, 2020	Baseline interview with NGO-RWAN	<ul style="list-style-type: none"> • Interview for baseline survey
Jan.27, 2020	Baseline interview with UP-SURP	<ul style="list-style-type: none"> • Interview for baseline survey
Feb.6, 2020	Baseline interview with LGU-Cavite	<ul style="list-style-type: none"> • Interview for baseline survey
May.12,	Update information OCD CBTS	<ul style="list-style-type: none"> • Update of the training situation
Jun.3, 2020	Update of the progress OCD PDPS (On-line Mtg)	<ul style="list-style-type: none"> • Update of the progress
July.1, 2020	Baseline interview with PHIVOLCS-REDAS	<ul style="list-style-type: none"> • Interview for baseline survey
July.28, 2020	Preliminary meeting OCD CBTS	<ul style="list-style-type: none"> • Point 1: Consensus of findings of the baseline survey. • Point 2: Capacity Assessment (Individual) • Point 3: Outline of additional study in Japan.
Nov.9, 2020	Progress confirmation OCD-WG4	<ul style="list-style-type: none"> • Confirmation on the schedule of C/P meeting and JCC • Preparation of presentation for JCC • Update on ICA response collection
Nov.19, 2020	Progress confirmation OCD-WG4	<ul style="list-style-type: none"> • Explanation of survey results on the Japanese training system for local DRR-related plan formulation. (Arakis-san) • Discussion on some updates for the JCC presentation • Other preparation for JCC

Based on the results from the consultation meetings mentioned above and documents review, the following issues for implementation of LDRRM training were organized.

1. Develop strategy for training structure in order to disseminate trainings on LDRRMP formulation efficiently with limited trainers. (including goal setting)
2. Make module of ToT more practical and develop the system to manage participants so that the participants certainly contribute to future trainings.

3. Ensure the statistical trainers' database more updated and utilized.
4. Consider the feasibility of collaboration with other trainings and the standardization of tools and process. (e.g. collaboration with CDRA/REDAS for the H/RA trainings, integration among LDRRMP, BDRRMP and CBDRRM)
5. Consider more effective style of training for LDRRMP formulation (e.g. learning by doing/workshop, training with mentoring, etc.) especially, supporting system (pre& post training) should be well organized.
6. Develop training system for M&E.
7. For implementation of above matters, underpinning legal framework is needed

In addition, the survey results on the Japanese training system for local DRR-related plan formulation was shared to the member of WG4.

2. Delay of Work Schedule and/or Problems (If any)

2.1 Details

On-site activities are suspended from March 2019 due to COVID-19 Situation, and some activities are on delay due to the difficulties to consult and coordinate related agencies under Response Operations against COVID-19.

In addition to COVID-19, the Philippines were affected by a series of natural disasters (such as Typhoon "Ambo", Masbate Earthquake, Typhoon "Ulysses", etc.) activating the response operations of N/RDRRMC members and LGUs.

Due to the occurrence of such events affecting both Japanese and Philippines sides, the overall project schedule was revised.

2.2 Cause

Written in 2.1.

2.3 Actions to be taken

In order to ensure the continuity of the Project Activities under such circumstances, the continuous coordination between Japanese Experts, Officials from OCD and other related organizations is fundamental. The switching from on-site (face to face) basis to remote-basis of some activities including consultation meetings are already done.

Regarding the preparation of pilot activities, the Regional Offices of OCD are coordinating closely with LGUs.

2.4 Roles of responsible Persons/Organization (JICA, Government of the Philippines, etc.)

N/A

3. Modification of the Project Implementation Plan

3.1 Plan of Operation (PO)

Due to the circumstances explained in 2.1, the overall schedule (including the addition of those to be conducted remotely) will be revised once the situation become clearer.

3.2 Other Modifications on Detailed Implementation Plan

The Change of the proposed Project Manager from the Philippines Side need to be reflected into the R/D and PDM (title of the project, duration, project site(s), target group(s), implementation structure, overall goal, project purpose, outputs, activities, and input).

4. Preparation of the Government of the Philippines toward after the Completion of the Project

N/A

II. PROJECT MONITORING SHEETS I & II

As Attached

Project Monitoring Sheet I (Revision of Project Design Matrix)

Version 1
 Dated December 10, 2020

Project Title: Disaster Risk Reduction and Management Capacity Enhancement Project Phase II
Implementing Agency: Office of Civil Defense
Project Period: From 2019 to 2024
Period of Project: From 2019 to 2024
Project Site: OCD Headquarters

Pilot regions: Region IVA and Region VII
Pilot LGUs: Pilot LGUs in the pilot regions will be selected in 1-4.

Overall Goal	Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks		
<p>Overall Goal The project outcome is replicated in the Philippines for the purpose of reducing disaster human casualties and economic losses under NDRRMC's initiative.</p>	<p>Narrative Summary Guidelines for hazard information use and risk assessment are developed. Signatories and related officials in the pilot areas realize disaster risk reduction through countermeasures.</p> <p>Project Purpose Planning, implementation and monitoring system of RDRRMPs/LDRRMPs is developed for the purpose of reducing disaster risk information system on National DRRM system centered upon NDRRMC support by National DRRM system centered upon NDRRMC.</p> <p>Outputs Output 1: Guidelines for hazard information use and risk assessment are developed. Signatories and related officials in the pilot areas realize disaster risk reduction through countermeasures. Output 2: Guidelines for the formulation of RDRRMPs/LDRRMPs based on disaster risk information are developed for the purpose of reducing disaster human casualties and economic losses.</p>	<p>Objectively Verifiable Indicators 1 Based on the indicators for Output 1 and Output 2, regions and LGUs formulate, implement and monitor RDRRMPs/LDRRMPs. 2 Based on the indicators for Output 3, information management, OGD implements information management, monitoring and evaluation of RDRRMPs/LDRRMPs. 3 Based on the indicators for Output 4, training for regions and LGUs is implemented.</p>	<p>Means of Verification 1 OCD Annual Report, RDRRMPs/LDRRMPs, Questionnaires for OCD and RDRRMCs, interviews with OCD and RDRRMCs. 2 OCD Annual Report, stored information, stored monitoring and evaluation documents, Questionnaires for OCD, related agencies and RDRRMCs, interviews with OCD, related agencies and RDRRMCs. 3 OCD Annual Report, Questionnaires for OCD and RDRRMCs, interviews with OCD and RDRRMCs.</p>	<p>Important Assumption National DRRM policies do not change. The project addresses policies, guidelines, and systems developed by the project is endorsed/approved by NDRRMC.</p>	<p>Achievement National DRRM policies do not change. The project addresses policies, guidelines, and systems developed by the project is endorsed/approved by NDRRMC.</p>	<p>Remarks</p>		
<p>Output 1: Guidelines for hazard information use and risk assessment are developed. Signatories and related officials in the pilot areas realize disaster risk reduction through countermeasures.</p> <p>Output 2: Guidelines for the formulation of RDRRMPs/LDRRMPs based on disaster risk information are developed for the purpose of reducing disaster human casualties and economic losses.</p> <p>Output 3: OCD's information management (including global indicators such as Sendai Framework for Disaster Risk Reduction), monitoring and evaluation system on the formulation, revision and implementation of RDRRMPs/LDRRMPs is established.</p> <p>Output 4: Training system is established in order to replicate the project outcome and conduct training for regions and LGUs in the Philippines.</p>	<p>Activities 1-1 Review the current state of hazard assessment/information and identify challenges. 1-2 Review the current state of risk assessment/information and identify challenges. 1-3 Consider risk assessment methods so that disaster-related officials can understand local disaster risks and realize disaster risk reduction through countermeasures. 1-4 Set selection criteria and select LGUs in the pilot regions. 1-5 Support training for the risk information use and risk assessment based on the existing hazard/risk assessment by using the risk assessment methods considered in 1-3. 1-6 Conduct draft guidelines for the formulation and revision of RDRRMPs/LDRRMPs. 1-7 Based on the results of 4-4, revise the guidelines developed in 1-4. 2-1 Review the current state of RDRRMPs/LDRRMPs and identify challenges. 2-2 Consider OCD's information management, monitoring and implementation of RDRRMPs/LDRRMPs. 2-3 Support the formulation of RDRRMPs/LDRRMPs in the pilot areas based on the risk assessment conducted in 1-5. 2-4 Support the related local plans such as CDP, CLUP and LCCAP, and support adjustment of RDRRMPs/LDRRMPs in the pilot areas. 2-5 Develop draft guidelines for the formulation and revision of RDRRMPs/LDRRMPs. 2-6 Based on the results of 4-4, revise the guidelines developed in 2-5. 3-1 Review the current state of OCD's information management on RDRRMPs/LDRRMPs and identify challenges. 3-2 Consider OCD's information management, monitoring and evaluation system and methods for the formulation, revision and implementation of RDRRMPs/LDRRMPs. 3-3 Develop a workshop for all the OCD regional offices on the draft guidelines and monitoring and evaluation structure developed in 3-3. 3-4 Conduct activities in the pilot areas based on the draft guidelines and monitoring and evaluation structure developed in 3-3. 3-5 Conduct activities in the pilot areas based on the draft guidelines and monitoring and evaluation structure developed in 3-3. 4-1 Review the current state of DRRM training including construction of the NDRRM Training Institute and identify challenges. 4-2 Consider the draft training structure for regions and LGUs. 4-3 Based on the guidelines developed in 1-6, 2-5 and 3-3, develop draft training programs and modules for regions and LGUs. 4-4 Conduct a workshop for all the OCD regional offices on the draft training programs and modules. 4-5 Conduct training in the pilot areas based on the draft structures for training, monitoring and evaluation developed in 3-3 and 4-2 and the draft training programs and modules. 4-6 Develop the training implementation plan (including timeline, budget, training of trainers, etc.) in order to replicate the project outcomes and conduct DRRM training for regions and LGUs in the Philippines.-2 and the training program and modules developed in 4-3.</p>	<p>Objectively Verifiable Indicators 1-1 User friendly guidelines for regional/local risk hazard information use and risk assessment are developed. 1-2 Regional/local disaster-related officials in the pilot areas realize disaster risk reduction through countermeasures. 2-1 User friendly guidelines for the formulation and revision of RDRRMPs/LDRRMPs are developed. 3-1 User friendly guidelines and feasible structure for information management, monitoring and evaluation are developed. 3-2 OCD's information management, monitoring and evaluation system and methods function in the pilot areas. 4-1 User friendly training programs and modules, and feasible structure for the users and their trainers are developed. 4-2 OCD's training implementation plan is developed.</p>	<p>Means of Verification 1-1 Guidelines, questionnaires for the users and their trainers, interviews with the users and their trainers 1-2 Questionnaires for the regional/local disaster-related officials and their trainers, interviews with OCD and Japanese experts 2-1 Guidelines, questionnaires for the users and their trainers, interviews with the users and their trainers 3-1 Guidelines, questionnaires for the users and their trainers, interviews with the users and their trainers 3-2 Questionnaires for the regional/local disaster-related officials and OCD, interview with Japanese experts 4-1 Training programs and modules, questionnaires for the users and their trainers 4-2 Training implementation plan, interviews with OCD and Japanese experts</p>	<p>The Japanese Site 1 Dispatch of Japanese Experts (Team Leader/DRRM Governance, Disaster Risk Assessment, DRRM Planning, DRRM Information, DRRM Training Program/Capacity Development) 2 Training for Counterpart Personnel in Japan 3 Local cost for the activity of Japanese Experts</p>	<p>The Philippine Site 1 Allocation of Counterpart Personnel 2 Office space for Japanese experts 3 Local cost (regional/local training that are not covered by JICA support)</p>	<p>Important Assumption National DRRM policies do not change. The project addresses policies, guidelines, and systems developed by the project is endorsed/approved by NDRRMC.</p>	<p>Achievement National DRRM policies do not change. The project addresses policies, guidelines, and systems developed by the project is endorsed/approved by NDRRMC.</p>	<p>Remarks - <2-1> The first draft will be prepared before the start of Pilot Activities. <2-1> Resulting from the Baseline Survey, major challenges and issues to consider were identified on the formulation of LDRRMPs was prepared in November 2019. <2-1> The Draft Guidebook (Ver.0) was shared to Central and Regional OCD planning and training officers (64 officers), and working group members from related NGAs and CSOs. <3-1> Resulting from the Baseline Survey, major challenges and issues to consider to prepare the guidelines were identified. <4-1> Resulting from the Baseline Survey, major challenges and issues to consider were identified.</p>

Version 1
Dated December 10, 2020

Project Monitoring Sheet II (Revision of Plan of Operation)

Project Title: Disaster Risk Reduction and Management Capacity Enhancement Project Phase II

Inputs	Monitoring																		
	Remarks																		
	Issue																		
Expert	Due to the occurrence of such events affecting both Japanese and Philippines sides, the overall project schedule was revised.																		
Yoshihiko UCHIKURA	Therefore some activities are on delay due to the difficulties to coordinate with related agencies under Response Operations against COVID-19.																		
Toshiaki KUDO																			
Naoko KITAZAWA																			
Akihiro FURUTA																			
Yusuke YAMASAKI																			
Kenpei KOJIKI																			
Satoshi TAKATA																			
Daisuke FUJITA																			
Yoshizumi GONAI																			
Takuya ITO																			
Imotoyo ARAKI																			
Shinji IIDA																			
Mariko YAMADA																			
Training in Japan	Suspended dur to COVID-19 Situation																		
Activities	Achievements																		
Sub-Activities	Issue & Countermeasures																		
Output 1:	A series of baseline interviews and these follow-ups with related agencies and academic organizations was held in order to review the current status of Hazard Assessment / Information and Risk Assessment / Information and identify challenges.																		
1-1 Review the current state of hazard assessment/information and identify challenges.	Plan																YAMADA	✓	
	Actual																IIDA	✓	
	Plan																ARAKI		
	Actual																ITO		
	Plan																GONAI		
	Actual																FUJITA		
	Plan																TAKATA		
	Actual																KOJIKI		
	Plan																YAMASAKI		
	Actual																FURUTA		
	Plan																KITAZAWA		
	Actual																KUDO		
	Plan																UCHIKURA		
	Actual																		
1-2 Review the current state of risk assessment/information and identify challenges.	Plan																		
	Actual																		
1-3 Consider risk assessment methods so that disaster-related officials can understand local disaster risks and realize disaster risk reduction through countermeasures.	Plan																		
	Actual																		
1-4 Set selection criteria and select LGUs in the pilot regions.	Plan																		
	Actual																		
1-5 Support the review of risk information in the pilot areas based on the existing hazard/risk assessment by using the risk assessment methods considered in 1-3.	Plan																		
	Actual																		
	Plan																		
	Actual																		
	Plan																		
	Actual																		

TO Chief Representative of JICA PHILIPPINES OFFICE

PROJECT MONITORING SHEET

Project Title: Disaster Risk Reduction and Management Capacity Enhancement Project -
Phase II (DRRM-CEP2)

Version of the Sheet: Ver. 2.0 (Monitoring Period: January, 2021 - June, 2021)

Name : Usec. Ricardo B. Jalad
Title : Administrator, Office of Civil
Defense and Executive Director,
National Disaster Risk Reduction
and Management Council

Name : Yoshihiko Uchikura
Title : Team leader / DRRM Governance
Submission Date : July 5, 2021

I. SUMMARY

1. Progress

1.1 Progress of Inputs

(1) Dispatch of Japanese Experts

Due to the pandemic of Covid-19 and the regulations posed by the national government of the Philippines, there was no dispatch of Japanese Experts during the monitoring period.

(2) Assignment of Counterparts

From the Philippines Side, the Project Director and Project Manager are as follows.

- (a) Project Director: Usec. Ricardo B. Jalad, Administrator of the Office of Civil Defense (OCD) and Executive Director of the National Disaster Risk Reduction and Management Council (NDRRMC)
- (b) Project Manager: Atty. Tecson John S. Lim, Director of the Planning Development Planning Service of the Office of Civil Defense (PDPS-OCD)

There was a change from the Record of Discussions (hereinafter referred to as "R/D") of August 6, 2019, in which the Project Manager was planned to be the Deputy Administrator of OCD.

The list of counterparts from OCD is as follows.

Working Group	Leader	Members
WG 1 Disaster Risk	Leader: Ms. Cheryl	Mr. Relan Jay Asuncion, OS

Disaster Risk Reduction and Management Capacity Enhancement Project - Phase II (DRRM-CEP2)
MONITORING SHEET SUMMARY

Understanding and Information	Loise T. Leal, DRGD-PDPS	Ms. Deniece Krizia Manding, OS Mr. Kenneth Menor, PDPS Mr. Marvin Arias, PDPS Mr. Raffy Z. Lucas, CBTS
WG 2 Local DRRM Planning	Leader: Mr. Manuel R. Nivera, Jr., C, DDS-D-PDPS	Ms. Cheryl Loise T. Leal, PDPS Mr. Benito Salvador, Jr., PDPS Mr. Renato Libunao, Jr., PDPS Ms. Hyacinth Jeane Barros, CBTS
WG 3 Monitoring and Evaluation	Leader: Mr. Benito Salvador, Jr., PDPS	Mr. Robi Jericho De Gracia, PDPS Mr. Emmanuel Balajadia, PDPS Ms. Gia Mae Resaba, PDPS Ms. Hannah Grace Escamilla, CBTS
WG 4 Training and Replication	Ms. Rachelle Miranda, CBTS	Mr. Kenneth Menor, PDPS Mr. Raffy Z. Lucas, CBTS Ms. Hyacinth Jeane Barros, CBTS Ms. Hannah Grace Escamilla, CBTS

DRGD-PDPS: Disaster Risk Governance Division of the Division Policy Development and Planning Service
 DDS-D-PDPS: DRRM Development and Standards of the Division Policy Development and Planning Service
 CBTS-TAD : Training and Advocacy Division of the Capacity-Building and Training Service

In addition, resulting from the Joint Working Group Meeting held on November 26, 2019, the following organizations were identified as Working Group members.

Organization		Related Working Group
CCC	Climate Change Commission	WG1: Disaster Risk Assessment WG2: LDRRMP Formulation
CHED	Commission on Higher Education	WG4: Training and Replication
DBM-LGRCB	Local Government and Regional Coordination Bureau	WG3: Monitoring and Evaluation
DENR-CCS	Climate Change Service	WG2: LDRRMP Formulation
DENR-MGB / Geo Hazard Division	Mines and Geosciences Bureau	WG1: Disaster Risk Assessment
DENR-NAMRIA	National Mapping and Resource Information Authority	WG1: Disaster Risk Assessment
DENR-RBCO	River Basin Control Office	WG2: LDRRMP Formulation
DHSUD	Department of Human Settlements and Urban Development (Former HLURB)	WG2: LDRRMP Formulation
DILG-BLGD	Bureau of Local Government Development	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation
DILG-BLGS	Bureau of Local Government Supervision	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation
DILG-CODIX	Central Office Disaster Information Coordinating Center (CODIX)	WG2: LDRRMP Formulation
DILG-LGA	Local Government Academy	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation WG4: Training and Replication

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Organization		Related Working Group
DOH-HEMB	Health Emergency Management Bureau	WG2: LDRRMP Formulation
DOST-ASTI	Advanced Science and Technology Institute	WG1: Disaster Risk Assessment
DOST-PAGASA,	Philippine Atmospheric, Geophysical and Astronomical Services Administration	WG1: Disaster Risk Assessment
DOST-PHIVOLCS	Philippine Institute of Volcanology and Seismology	WG1: Disaster Risk Assessment
DPWH - BOM	Bureau of Maintenance	WG2: LDRRMP Formulation
DPWH – PS	Planning Division and PPP	WG2: LDRRMP Formulation
DRRNet-Philippines	-	WG2: LDRRMP Formulation
DSWD-DRMB	Disaster Response Management Bureau	WG2: LDRRMP Formulation
NEDA-RDG	Regional Development Group	WG3: Monitoring and Evaluation
PSA	Philippine Statistics Authority	WG1: Disaster Risk Assessment
ULAP	Union of Local Authorities of the Philippines	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation WG4: Training and Replication

1.2 Progress of Activities

(1) Overall Project

[0-1] : Support to Conduct Joint Coordination Committee (JCC) Meetings and Progress Explanation

During the monitoring period, two CP meetings were held as follows.

Date	Meeting Type	Main Subjects
Mar. 31,2021	7 th CP Meeting (Online)	<ul style="list-style-type: none"> Project Updates: Schedule related to Pilot Activities / Initial results of the Pre-Planning for Calamba City conducted by the Japanese Side/Other topics
Jun. 3,2021	8 th CP Meeting (Online)	<ul style="list-style-type: none"> Project Updates: Start of Pilot Activities and Dry-Run / Status if each Working Group Activities / Next Activities (Project Monitoring, Inter-WG meeting)

(2) Output 1

[1-1] : Review the Current State of Hazard Assessment/Information and Identify Challenges

[1-2] : Review the Current State of Risk Assessment / Information and Identify Challenges

A series of follow-up meetings with related agencies and academic organizations were held in order to review the results of the survey conducted regarding the current status of Hazard Assessment / Information and Risk Assessment / Information available and being used by the LGUs.

Date	Agencies and Organizations	Main Subjects
Jan 27, 2021	Follow-up meeting with DENR/MGB	<ul style="list-style-type: none"> Validation of MGB Hazard maps and UP NOAH flood hazard maps
Jan 28, 2021	Follow-up meeting with UP-ICE and DOST/ PHIVOLCS	<ul style="list-style-type: none"> Consultation of utilization of the current fragility curves developed by UP ICE for evaluation of important public buildings and application of seismic impact assessment for such kinds of buildings using the platform of REDAS.
Feb 10, 2021	Project Meeting with DENR/MGB and OCD	<ul style="list-style-type: none"> Presentation of the harmonized flood hazard maps of MGB and the difference with Project NOAH
April 19, 2021	Baseline interview with DOST/PHIVOLCS-GEORISK	<ul style="list-style-type: none"> Utilization of GeoRisk.PH for the impact assessment for Landslide (Rain-Induced, EQ-Induced), Liquefaction, and Volcanic Eruption

Based on the results from the meetings mentioned above and documents review, the current situation of data, tools and procedures for understanding local disaster risks and selecting necessary DRR measures in the process of LDRRMP formulation and these major challenges were identified as the following (Underlined portions are added newly in this reporting period.).

1. Available Data of Hazard, Exposure and Vulnerability Utilized for Understanding Local Disaster Risks and Identifying necessary DRR Measures

	Current Situation	Major Challenges
HAZARD	<p>Hazard maps for major natural disasters such as earthquake, tsunami, volcanic eruption, flood, landslide and high tide, which every LGU throughout the country can refer to in the LDRRMP formulation, have been developed and updated by responsible NGAs and academic research institutes.</p> <p><u>It is possible to check the available hazard maps on the website of GeoRisk,PH (https://georisk.gov.ph/), Project NOAH (http://noah.up.edu.ph/#/) and other NGA's homepages.</u></p> <p><u>MGB is conducting the review and update of 1:10,000-scaI flood and landslide susceptibility maps for the entire country.</u></p>	<p>For gaining better understanding local disaster risks as a process of LDRRMP formulation, there is now a confusion on the side of the LGU on what to use. LGUs need to be guided on how to select suitable hazard maps from the ones that were developed based on the different analytical approaches (e.g. scenario model or probabilistic model) and how to reflect a decrease of hazard impact by any structural countermeasures in the existing hazard maps (e.g. how to show an effect of installing levee in the exiting flood map).</p> <p><u>The NGAs (PHIVOLCS, PAGASA, and MGB) are tasked to inform the LGUs on the types of hazards they have but are limited in the manpower to do a nation-wide campaign. They are also limited in personnel that will do the initial risk assessment using their respective software for all LGUs. Another option is to recommend the use of the GeoRisk.PH platform for the planning purposes of the LGUs.</u></p>

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	Current Situation	Major Challenges
EXPOSURE	<p>Various spatial data about building footprints, land use and land cover are being generated from different sources. Every LGU throughout the county can get them without charge according to each application process. But currently those spatial data doesn't have attribute information and it is required to integrate available statistical sources such as CENSUS data in the spatial data, if population and building information is needed for evaluating disaster risks.</p> <p><u>Generally, the barangay-wise statistics (PSA) and land cover data (NAMRIA) are utilized for exposure database of CDRA.</u></p>	<p>The best option is for LGUs to develop their own exposure data based on the detailed field survey which is recommended to conduct for quantitative disaster impact assessment using REDAS. But most LGUs don't have the capabilities and capacities to do so.</p> <p><u>The GeoRisk.PH will be equipped with the function for collecting hazard and exposure information. The LGUs may be able to use this function as a supporting tool of their ground survey.</u></p>
VULNERABILITY	<p>Vulnerability curves of buildings to seismic shaking, flood inundation and distractive wind (fragility curves of buildings to seismic shaking) have been developed in the GMMARAP (Risk Analysis project for Great Metro Mania Area) based on the historical records of past disasters and, experiences and considerations from experts in the country. There are few studies for engineering approaches about vulnerability assessment of buildings, infrastructures and lifelines for each disaster in Philippines.</p>	<p>There is a need to verify the differences of building types and the characteristics produced under GMMARAP with each LGU or local area, this is because GMMARAP do not represent majority of the LGUs outside of the Greater Metro Mania Area.</p> <p><u>The fragility and vulnerability curves produced under GMMARAP is only adapted for the evaluation of a population of buildings (not for the evaluation of an individual building.)</u></p> <p><u>The UP-ICE is now working with PAGASA for the severe wind impact assessment.</u></p>

2. Current Evaluation Tools and Methods for Disaster Risk Assessment (DRA) Developed by NGAs

	REDAS (Rapid Earthquake Damage Assessment System)	CDRA (Climate and Disaster Risk Assessment)	GeoRisk.PH
Main Developer	DOST/PHIVOLCS	DHSUD for CLUP DILG for CDP	DOST/PHIVOLCS
Main Objective (Initial purpose) for Development	To produce hazard and risk maps immediately after the occurrence of a strong and potentially damaging earthquake.	To mainstream CCA-DRRM in the local plans (CDP, CLUP, LDRRMP, LCCAP). To give findings for analyzing the situation of a concerned LGU from an aspect of impacts of CCA-DRRM.	To provide protocols and platforms to share hazards, exposure and risk information for planning how to reduce the risks for natural hazards.
Features of Methods	Quantitative damage and loss evaluation using stand-alone software for hazard and risk simulation	Qualitative scoring method using dedicated score charts and matrices. Overlay method using GIS software is applied for calculation of the amount of exposure in each hazard level spatially. <u>This processing data is identified as a usable result of damage and loss evaluation.</u>	Web-based hazard and risk evaluation. Overlay method based on web-GIS technology is applied for calculation of hazard areas and estimate affected population in the concerned LGU.
Current Situation	REDAS is the official system to enable a quantitative estimation of damage and loss due to natural disasters in Philippines. REDAS is still	CDRA is one of the major tools to indicate vulnerable areas for each exposed elements to climate change and natural disasters using qualitative scoring method.	<u>It is possible for LGUs to gain the summary of hazard and risk information in own administrative area directly from web-site of</u>

	REDAS (Rapid Earthquake Damage Assessment System)	CDRA (Climate and Disaster Risk Assessment)	GeoRisk.PH
	not popular for Local planning. The result of REDAS has not been reflected to the process of LDRRMP formulation yet. The average number of organizations such as NGAs, LGUs and other research institutes trained by six-day training from 2006 is 10 organizations per year.	CDRA became popular for mainstreaming CCA-DRRM in CLUP and CDP under the support of DHSUD (HLURB) and DILG. Based on the existing training material for LDRRMP formulation developed by OCD-CBTS, CDRA is recommended as a tool for understanding local disaster risks.	<u>GeoRisk.PH without requiring enhanced GIS knowledge and skills. Some functions are still under development.</u>
Major Challenges	There is a big challenge in the aspect of popularization of REDAS utilization for local planning, because it's difficult for PHIVOLCS to conduct a lot of times of the training in a year even though all uses of REDAS have to take the training.	Since appropriate person with much knowledge about CDRA is required for operation, LGUs have to develop a human resource or employ an expert. <u>DHSUD has a plan to upgrade the CDRA to improve usability of the system depending on the level of LGUs.</u>	As of now, GeoRisk. PH has a function to calculate the number of affected population and facilities (schools and health facilities) by barangay at the minimum.

3. Typical Outputs of Disaster Risk Profiles in Existing LDRRMPs

Current Situation	Major Challenges
<p>The Disaster Risk Profiles for each natural disaster is organized using different DRA approaches. But oftentimes it is observed that the results of Disaster Risk Profiles are not translated or integrated in the LGU's identified goals, outcomes in the current LDRRMPs.</p> <p>DRA has not been utilized for identification and prioritization of DRRM measures in the process of formulating LDRRMPs yet.</p>	<p>It is necessary to clarify the path how the results of Disaster Risk Profiles will be reflected in the formulation of LDRRMP, so that these results are closely linked to the selection of appropriate DRRM Measures.</p> <p><u>It is also important as local planning to harmonize CDP and CLUP and LDRRMP. The result of DRA conducted for formulation of CDP and CLUP should be reflected to LDRRMP as much as possible.</u></p>

[1-3] : Consider Risk Assessment Methods so that Disaster-Related Officials (DRRM Officials) can Understand Local Disaster Risks and Realize Disaster Risk Reduction through Countermeasures.

Based on the result of activities [1-1] and [1-2], it was found that the results of current DRA approaches in the LDRRMPs were not fully translated in the establishment of DRRM strategy with specific numerical targets to reduce disaster risks by DRRM measures. When LGUs develop their own strategy in terms of reducing human casualties and economic losses, they need to realistically understand of the disaster impacts from potential hazards and to identify the feasible countermeasures to mitigate such impacts in consideration of residual disaster risks that remain even when effective measures are in place. In this case, a quantitative evaluation of potential impacts is convenient as the DRA corresponding to time-series analysis as an objective measure.

Therefore, the JICA Expert Team proposed a procedure of Damages and Losses Evaluation (DLE) as an additional approach of the current DRA methods used by the LGU for their respective LDRRMP formulation. Then, WG1 member is exploring a feasible way to add the DLE in the process of disaster risk profiles and selection of necessary DRRM measures with due considerations to keeping a better relationship with current approaches such as CDRA for identifying disaster characteristics in a target LGU through a series of the internal meeting shown as the following:

Date		Main subject
Jan 29, 2021	1 st TWG meeting with DOST/ PHIVOLCS/PAGASA, DENR/MGB and OCD	<ul style="list-style-type: none"> • Presentation of survey results conducted since October 2019 that showed the current available disaster risk assessment tools and Introduce an initial idea of DRA procedure for formulation of LDRRMPs
April 15, 2021	Project Meeting with OCD PDPS	<ul style="list-style-type: none"> • Project updates on the results of many consultative meetings with national government agencies on the DRA Technical Guidebook
May 21, 2021	Project Meeting with OCD PDPS	<ul style="list-style-type: none"> • Discussion on the draft DLE TG together with WG2 members and OCD
June 24, 2021	Consultation Meeting with OCD and DHSUD	<ul style="list-style-type: none"> • Project Information Sharing with DHSUD on how CDRA is integrated in the DRA/DLE process of the project

The WG1 member will continue consultation meetings with other related agencies to gain the consensus about adapting the DLE in the formulation of LDRRMP through the technical WG activity.

[1-4] : Coordination with Selected Pilot LGUs in the Pilot Regions.

The Draft MOAs were submitted to the Pilot LGUs and was recently approved. Coordination meetings were held to present the adjustments to the project schedules and the tentative schedule of activities both to the Regional Offices of the OCD and the Pilot LGUs. The Japanese Team expressed their request for data and files of reports and maps during these meetings.

Date		Milestones
Feb 3, 2021	Online meeting with OCDRIV-A	Presented the JICA-DRRMCEP2 revised schedule Updates on the draft MOA
Feb 9, 2021	Online meeting with OCDRVII	Presented the JICA-DRRMCEP2 revised schedule Updates on the draft MOA
April 9, 2021	Online meeting with OCDRIV-A	Presented the JICA-DRRMCEP2 revised schedule to the new Regional Director Updates on the draft MOA
April 30, 2021	Online meeting with Calamba City	Updates on draft MOA and data requirements
May 11, 2021	Online meeting with Laguna Province	Updates on draft MOA and data requirements

[1-5] : Support the Review of Risk Information in the Pilot Areas based on the Existing Hazard / Risk Assessment by Using the Risk Assessment Methods considered in [1-3].

As the preparation of the pilot activity in Region IV-A and Region VII, the following works have been conducted by the WG1 members.

- Review of the current DRA's results of Laguna Province and Calamba City: by checking the documents provided by PDRRMO of Laguna and CDRRMO of Calamba respectively, it became clear that Both LGUs had the current results of DRR-CCVA and CDRA conducted in the past few years and these processing data such as spreadsheets to calculate "Risk Scores" would be utilized as the result of DLE directly.
- Review of the current DRA's results of Bohol Province and Tubigon Municipality: The JICA Expert Team are waiting for the provision of data and documents related to DRA from PDRRMO of Bohol and MDRRMO of Tubigon respectively. And the team has a plan to conduct meetings with them for evaluation of the current situation of DRA implementation and their capacity of data processing on the middle of July, 2021.
- Evaluation of the seismic impact for the Provinces of Laguna and Bohol: The scenario-based seismic impact assessment was conducted by PHIVOLCS using REDAS "SHAKE". As the result, barangay-wise estimated numbers of casualties and damaged buildings, and direct economic losses were obtained for both provinces.
- Evaluation of the flood impact for Laguna Province: The flood impact assessment based on MGB 1:10,000 flood susceptibility map was conducted by PHIVOLCS using REDAS "FloAT". As the result, barangay-wise estimated numbers of casualties and damaged buildings, and direct economic losses were obtained for Laguna Province.
- Evaluation of the flood impact assessment for Calamba City: The flood impact assessment based on probabilistic flood hazard maps which return periods are 5-year, 25-year and 100-years produced by Project NOAH was conducted by JICA Expert Team using similar approach of REDAS "FloAT". As the result, barangay-wise estimated numbers of casualties and damaged buildings, and direct economic losses per return period were obtained for Calamba City.
- Recalculation of the flood impact for Laguna Province: From the current result of DRR-CCVA in Laguna Province, it was found that the flood susceptibility map developed by the READY Project was used as the basic flood hazard map for the DRA. Therefore, The JICA Expert Team conducted recalculation of the flood impact based on the READY's map using similar approach of REDAS "FloAT". As the result, barangay-wise estimated numbers of casualties and damaged buildings, and direct economic losses were obtained for Laguna Province.
- Preparation of all outputs of GeoRisk.PH for the Provinces of Laguna and Bohol: The barangay-wise results on the impact assessment by GeoRisk.PH against ground shaking,

landslide, tsunami, Liquefaction, flood, Storm surge and severe wind were processed and provided as the spread sheet by PHIVOLCS.

- Provision of the updated hazard maps for Tubigon Municipality: the updated 1:10,000 flood and landslide susceptibility maps were provided by MGB. After the validation of the maps, the impact assessment based on these maps will be conducted as the preparation of the pilot activity for Tubigon Municipality.

[1-6] : Develop Draft Guidelines for Reviewing Hazard / Risk Information.

Based on the result of activities [1-3] and [1-5], the JICA Expert Team prepared the first draft of the Damages and Losses Evaluation (DLE) Technical Guidebook as the basis of discussion. WG1 member has incorporated the comments and recommendations to this first draft of the guidebook that will closely linked to setting DRRM strategies and listing necessary DRRM countermeasures at the stage of LDRRMP formulation. The first draft of the guidebook will be used for the 1st stage of pilot activity in The Provinces of Laguna and Bohol, then the contents of the guidebook will be reviewed and modified based on the lesson learned from the 1st pilot activity. The revised version of the Technical Guidebook for DRA will be developed in consideration of the varying capacities of LGUs in terms of risk assessment, hence should be concise “one size fits all” document that envisions to bridge the gap between risk assessment and local DRRM planning.

(3) Output 2

[2-1] : Review the Current Status of RDRRMPs/LDRRMPs and Identify Challenges

A series of consultation meetings with OCD Central and Regional counterparts, and related agencies were held to obtain inputs and recommendations for the enhanced LDRRMP Guidebook.

Date		Milestones
01 Dec 2020	Presentation of LDRRMP Version 0 to Cluster 1 NGAs	<ul style="list-style-type: none"> • Obtained comments and recommendations
03 Mar/ 09 Oct/ 09 Dec 2020; 04 Feb 2021	Consultation meeting with DPWH	<ul style="list-style-type: none"> • Obtained Inputs for structural DRRM measures (standards, costing, policies)
1 Feb 2021	Meeting with NEDA	<ul style="list-style-type: none"> • Discussed the M and E process flow of NEDA vis-à-vis M an E stage of LDRRMP guidebook version 0
11 Feb 2021	Meeting with DHSUD	<ul style="list-style-type: none"> • Presented Land Use Planning and DRRM – Japan Experience • Discussed possible alignment process and entry of CLUP and LDRRMP • Presented JICA-DRRMCEP2 Project updates • DHSUD shared updates on simplification of CDRA and updating of CLUP-DRRM CCA guidebook
March to April	2 nd LDRRMP Guidebook revision	<ul style="list-style-type: none"> • Revised LDRRMP Guidebook

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Date		Milestones
2021		
5 April 2021	Presented revision of LDRRMP Guidebook	<ul style="list-style-type: none"> • Presented consolidated revisions based on inputs of OADR and WG2 NGAs • Obtained additional inputs from OADR WG 2 members
April to Mid-June 2021	3 rd LDRRMP Guidebook revision	<ul style="list-style-type: none"> • Completed LDRRMP Guidebook Version 1

In the enhanced LDRRMP guidebook, some of the issues in the baseline study were addressed by:

1. Providing process on the alignment of Low vertical and horizontal linkage with other related plans;
2. Developing criteria in prioritizing DRRM measures to establish short-medium-long term targets;
3. Expanding sources of budget for DRRM Measures (e.g., NGAs, other LGU sources such as GAD, General funds, etc.)

Regarding RDRRMP, the RDRRMCs are mandated to update its plan based on the Updated NDRRMP. However, there is no guideline on the formulation of this plan.

[2-2] : Consider DRRM Countermeasures based on Disaster Risk Information / Consider the Options of Disaster Risk Reduction Measures to Reduce Human Casualties and Economic Losses based on Disaster Risk Information that should be implemented at each level of Governance (Nation, Region, Province, City and Municipality).

Based on the enhanced LDRRMP guidebook, the LGUs will have to analyze its DRRM measures covering structural and non-structural measures. Further, by aligning its plan to higher plans such as infrastructure will help LGUs determine appropriate DRRM measures in reducing risks.

[2-3] : Support the Formulation of RDRRMPs/LDRRMPs in the Pilot Areas based on the Risk Assessment Conducted in [1-5].

The Memorandum of Agreement has been signed by the pilot LGUs. A series of consultation concerning pilot testing has been conducted before the actual LDRRMP formulation.

[2-4] : Review the Related Local Plans such as CDP, CLUP and LCCAP, and Support Adjustment of RDRRMPs/LDRRMPs in the pilot areas.

Ongoing analysis of the related local plans were undertaken so that DRRM related measures will be considered in the LDRRMP formulation of the pilot LGUs.

[2-5] : Develop Draft Guidelines for the Formulation and Revision of RDRRMPs/LDRRMPs.

The enhanced LDRRMP Version 1 was completed, integrating the inputs from the OCD-C, OCD-R, and member NGAs.

(4) Output 3

[3-1] : Review the Current State of OCD’s Information Management on RDRRMPs/LDRRMPs and Identify Challenges.

While the LDRRMPs of the selected LGUs in Region IVA and VII were reviewed, there is a need to review new set of LDRRMPs across the Philippines. A set of sampling criteria is being developed to systematically review the LDRRMPs. Furthermore, new policies are being considered such as the Gawad Seal and Updated NDRRMP 2020-2030. At present, the RDRRMCs through the leadership of the OCD have to update its plan based on the outcomes and targets of the updated NDRRMP.

Date		Milestones
28 Jan 2021	WG 3 Meeting	Presented project updates and directions Discussed initial criteria for sampling of LGUs for LDRRMP review
11 Feb 2021	WG 3 Meeting	OCD-PDPS presented the Gawag Kalasag Seal features and checklist (in line with the M and E)
March 2021 to present	Ongoing review of RDRRMPs	Initial summary of contents

[3-2] : Consider OCD’s Information Management, Monitoring and Evaluation System and Methods for the Formulation, Revision and Implementation of RDRRMPs/LDRRMPs.

The M and E guidelines will be developed based on the drafted LDRRMP Guidebook and result of the pilot testing stage 1. Also, the indicators and major considerations will be discussed together with member agencies as they are also crucial in the monitoring of the RDRRMPs/LDRRMPs.

(5) Output 4

[4-1] : Review the Current State of DRRM Training including Construction of the NDRRM Training Institute and Identify Challenges.

[4-2] : Consider the draft training structure for regions and LGUs.

The result of Individual Capacity Assessment (ICA) was summarized and shared at the WG4 meeting. Based on the analysis of ICA, the members confirmed the weak points and areas for improvement of CBTS staff and employees, particularly focused on processes Local DRRM Planning and other training concerns. An initial discussion for consideration to formulate the training system and the quality of lecturers for the trainings were hosted with CBTS.

Date		Milestones
Jan.18, 2021	ICA summary was shared OCD-WG4	<ul style="list-style-type: none"> • Explain the result of the ICA • The CBTS have initially confirmed the findings and it serve as a basis in the ongoing review of LDRRMP blended learning modules

2. Delay of Work Schedule and/or Problems (If any)

2.1 Details

On-site activities are suspended from March 2019 due to COVID-19 Situation, and some activities are on delay due to the difficulties to consult and coordinate related agencies under Response Operations against COVID-19.

In addition to COVID-19, the Philippines were affected by a series of natural disasters activating the response operations of N/RDRRMC members and LGUs.

Due to the occurrence of such events affecting both Japanese and Philippines sides, the overall project schedule was revised.

2.2 Cause

Written in 2.1.

2.3 Actions to be taken

In order to ensure the continuity of the Project Activities under such circumstances, the continuous coordination between Japanese Experts, Officials from OCD and other related organizations is fundamental. The switching from on-site (face to face) basis to remote-basis of some activities including consultation meetings are already done.

Regarding the preparation of pilot activities, the Central Office and Regional Offices of OCD, Target LGUs and JICA Expert Team are coordinating closely and are looking for the most effective method of conducting pilot activities utilizing remote activities under this COVID-19 situation.

2.4 Roles of responsible Persons/Organization (JICA, Government of the Philippines, etc.)

N/A

3. Modification of the Project Implementation Plan

3.1 Plan of Operation (PO)

Due to the circumstances explained in 2.1, the overall schedule (including the addition of those to be conducted remotely) will be revised once the situation become clearer.

3.2 Other Modifications on Detailed Implementation Plan

The Change of the proposed Project Manager from the Philippines Side need to be reflected into the R/D and PDM (title of the project, duration, project site(s), target group(s), implementation structure, overall goal, project purpose, outputs, activities, and input).

4. Preparation of the Government of the Philippines toward after the Completion of the Project

N/A

II. PROJECT MONITORING SHEETS I & II

As Attached

Project Monitoring Sheet I (Revision of Project Design Matrix)

Version 2
 Dated July 5, 2021

Project Title: Disaster Risk Reduction and Management Capacity Enhancement Project Phase II
Implementing Agency: Office of Civil Defense
Project Period: 2019 to 2024
Project Site: OCD Headquarters
Pilot Regions: Region IVA and Region VII
Pilot LGUs: Pilot LGUs in the pilot regions will be selected in 1-4.

Overall Goal	Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
<p>Overall Goal: Disaster risk reduction is achieved in the Philippines for the purpose of reducing disaster human casualties and economic losses under NDRRMC's initiative.</p>	<p>Project Purpose: Planning, implementation and monitoring system for RDRRMP/LDRRMPs is developed for the purpose of reducing disaster human casualties and economic losses with the necessary technical support by National DRM system centered upon NDRRMC.</p> <p>Outputs: Output 1: Guidelines for hazard information use and risk assessment are developed so that assessment officials centered upon RDRRMP/LDRRMPs and local disaster risk reduction through countermeasures. Output 2: Guidelines for the formulation of RDRRMPs/LDRRMPs based on disaster risk information are developed for the purpose of reducing disaster human casualties and economic losses.</p> <p>Output 3: OCD's information management (including global indicators such as Sendai Framework for Disaster Risk Reduction), monitoring and evaluation system on the formulation, revision and implementation of RDRRMPs/LDRRMPs is established.</p> <p>Output 4: Training system is established in order to replicate the project outcome and conduct training for regions and LGUs in the Philippines.</p>	<p>1 Based on the indicators for Output 1, and Output 2, regions and LGUs formulate, implement, and monitor RDRRMPs/LDRRMPs. 2 Based on the indicators for Output 3, information management, OCD implements information management, monitoring and evaluation of RDRRMPs/LDRRMPs. 3 Based on the indicators for Output 4, training for regions and LGUs is implemented.</p> <p>1 OCD is ready for implementing its information management, monitoring and evaluation system in nationwide. 2 RDRRMPs and LDRRMPs in the pilot areas can receive necessary technical support from National DRM system for planning, implementation and monitoring of RDRRMPs/LDRRMPs. 1-1 User friendly guidelines for regional/local risk hazard information use and risk assessment are developed. 1-2 Regional/local disaster-related officials in the pilot areas realize disaster risk reduction through countermeasures. 2-1 User friendly guidelines for the formulation and revision of RDRRMPs/LDRRMPs are developed. 3-1 User friendly guidelines and feasible structure for information management, monitoring and evaluation are developed. 3-2 OCD's information management, monitoring and evaluation system and methods function in the pilot areas. 4-1 User friendly training programs and modules, and feasible structure for information management, monitoring and evaluation are developed. 4-2 OCD's training implementation plan is developed.</p>	<p>1. OCD Annual Report, RDRRMPs/LDRRMPs, Questionnaires for OCD and RDRRMC, Interviews with OCD and RDRRMCs 2. OCD Annual Report, stored information, stored monitoring and evaluation documents, Questionnaires for OCD, related agencies and RDRRMCs, Interviews with OCD, related agencies and RDRRMCs 3. OCD Annual Report, Questionnaires for OCD and RDRRMCs, Interviews with OCD and RDRRMCs</p> <p>1. Training implementation plan developed in 4-6, quality and number of trainers, questionnaires for OCD, interviews with Japanese experts 2. Questionnaires for OCD and related agencies in the pilot areas, interviews with OCD and related agencies in the pilot areas</p> <p>1-1 Guidelines, questionnaires for the users and their trainers, interviews with the users and their trainers 1-2 Questionnaires for the regional/local disaster-related officials and their trainers, interviews with OCD and Japanese experts 2-1 Guidelines, questionnaires for the users and their trainers, interviews with the users and their trainers 3-1 Guidelines, questionnaires for the users and their trainers, interviews with the users and their trainers 3-2 Questionnaires for the regional/local disaster-related officials and OCD, interview with Japanese experts 4-1 Training programs and modules, questionnaires for the users and their trainers, interviews with the users and their trainers 4-2 Training implementation plan, interviews with OCD and Japanese experts</p>	<p>National DRM policies do not change. The project outcome (plans, guidelines, and systems) developed by the project is endorsed/approved by NDRRMC.</p> <p>National DRM policies do not change. National DRM mechanism does not change drastically. Even if organization change take effect, OCD's roles and responsibilities agree to continue the project.</p>	<p><1-1> The first draft will be prepared before the start of Pilot Activities. <2-1> Draft Guidebook Version 1 is completed, integrating the inputs from OCD counterparts and member NGAs. <3-1> Ongoing consultation with OCD on the initial criteria for LDRRMP review across the country <4-1> Resulting from the Baseline Survey, major challenges and issues to consider were identified</p>	<p><1-1> National DRM policies do not change. <2-1> Draft Guidebook Version 1 will be utilized for pilot testing in 4 pilot LGUs under stage 1. <3-1> The enhanced LDRRMP guidebook will be considered in the drafting of the M and E guidelines. Other policies such as Gawad sea will also be considered in the formulation of M and E. <4-1> Concrete contents of the programs and modules will be considered in collaboration with Outputs 1, 2, and 3.</p>
<p>1-1 Review the current state of hazard assessment/information and identify challenges. 1-2 Review the current state of risk assessment/information and identify challenges. 1-3 Consider risk assessment methods so that disaster-related officials can understand local disaster risks and realize disaster risk reduction through countermeasures. 1-4 Set selection criteria and select LGUs in the pilot regions. 1-5 Set selection criteria and select LGUs in the pilot regions. 1-6 Develop draft guidelines for reviewing hazard/risk information. 1-7 Based on the results of 4-4, revise the guidelines developed in 1-6. 2-1 Review the current state of RDRRMPs, LDRRMPs, and identify challenges. 2-2 Consider the options of disaster risk reduction measures to reduce human casualties and economic losses based on the risk assessment conducted in 1-5. 2-3 Support the formulation of RDRRMPs/LDRRMPs in the pilot areas based on the risk assessment conducted in 1-5. 2-4 Review the related local plans such as CDP, CLUP and LCCAP, and support adjustment of RDRRMPs/LDRRMPs in the pilot areas. 2-5 Develop draft guidelines for the formulation and revision of RDRRMPs/LDRRMPs. 2-6 Based on the results of 4-4, revise the guidelines developed in 2-5. 3-1 Review the current state of OCD's information management and identify challenges. 3-2 Consider OCD's information management, monitoring and evaluation system and methods for the formulation, revision and implementation of RDRRMPs/LDRRMPs. 3-3 Develop draft guidelines and monitoring and evaluation structure in order to implement the system considered in 3-2. 3-4 Conduct a workshop for all the OCD regional offices on the draft guidelines and monitoring and evaluation structure developed in 3-3. 3-5 Conduct activities in the pilot areas based on the draft guidelines and monitoring and evaluation structure developed in 3-3. 3-6 Based on the results of 3-4 and 4-4, revise the guidelines and monitoring and evaluation structure developed in 3-3. 4-1 Review the current state of DRM training including construction of the NDRRMC training institute and identify challenges. 4-2 Consider the draft training structure for regions and LGUs. 4-3 Based on the guidelines developed in 1-6, 2-5 and 3-3, develop draft training programs and modules for regions and LGUs. 4-4 Conduct training in the pilot areas based on the draft structures for training, monitoring and evaluation developed in 3-3 and 4-4. 4-5 Conduct training in the pilot areas based on the draft structures for training, monitoring and evaluation developed in 3-3 and 4-4. 4-6 Based on the results of 4-4, revise the training structure developed in 4-4. 4-7 Develop the training implementation plan (including timeline, budget, training of trainers, etc.) in order to replicate the project outcomes and conduct DRM training for regions and LGUs in the Philippines.-2 and the training program and modules developed in 4-3.</p>	<p>The Japanese Side 1. Dispatch of Japanese Experts (Team Leader/DRRM Governance, Disaster Risk Assessment, DRRM Planning, DRRM Information, DRRM Training Program/Capacity Development) 2. Training for Counterpart Personnel in Japan 3. Local cost for the activity of Japanese Experts</p> <p>The Philippine Side 1. Allocation of Counterpart Personnel 2. Office space for Japanese experts 3. Local cost (regional/local training that are not covered by JICA support)</p>	<p>Large-scale disasters that significantly delay the implementation of activities do not occur. Drastic organizational change that significantly affect the implementation of activities do not occur. LDRRMCs of the pilot LGUs agree to participate in the project activities.</p> <p>Pre-Conditions Qualified and enough number of counterpart personnel are assigned. RDRRMCs of the pilot regions agree to participate in the project activities.</p> <p>Issues and countermeasures -Overall Project: Delay due COVID-19: The overall schedule was revised and activities are conducted remotely. Both Philippine and Japanese sides are continuing and preparing for the next stage of training especially in form of coordination with LGUs and related agencies.</p>				

Version 2
Dated July 6, 2021

Project Monitoring Sheet II (Revision of Plan of Operation)

Project Title: Disaster Risk Reduction and Management Capacity Enhancement Project Phase II

Inputs	Monitoring																							
	2020				2021				2022				2023				2024							
	IV	III	II	I	IV	III	II	I	IV	III	II	I	IV	III	II	I	IV	III	II	I				
Export																								
Yoshihiko UCHIKURA	Plan																							
Toehiko KUDO	Actual																							
Naoko KITAZAWA	Actual																							
Akihiro FURUTA	Actual																							
Yusuke YAMASAKI	Actual																							
Kenpei KOJIKAWA	Plan																							
Satoshi TAKATA	Actual																							
Daisuke FUJITA	Actual																							
Yoshihiko GONAI	Actual																							
Takuya ITO	Actual																							
Motoyo ARAKI	Actual																							
Shinji IIDA	Actual																							
Mitsuo YAMADA	Actual																							
Training in Japan																								
	Plan																							
	Actual																							
Activities																								
Sub-Activities																								
	Year	2020				2021				2022				2023				2024						
		IV	III	II	I	IV	III	II	I	IV	III	II	I	IV	III	II	I	IV	III	II	I	Responsible Organization	Issue	Solution
	Output 1:																							
1-1 Review the current state of hazard assessment/information and identify challenges.	Plan																					Japan		Due to the occurrence of such events affecting both Japanese and Philippines sides, the overall project schedule was revised.
	Actual																					GO		The switching from on-site (face to face) basis to remote-basis of some activities including consultation meetings are already done.
1-2 Review the current state of risk assessment/information and identify challenges.	Plan																							
	Actual																							
1-3 Consider risk assessment methods so that disaster-related officials can understand local disaster risks and realize disaster risk reduction through countermeasures.	Plan																							
	Actual																							
1-4 Set selection criteria and select LGUs in the pilot regions.	Plan																							
	Actual																							
1-5 Support the review of risk information in the pilot areas based on the existing hazard/risk assessment by using the risk assessment methods considered in 1-3.	Plan																							
	Actual																							
1-6 Develop draft guidelines for reviewing hazard/risk information.	Plan																							
	Actual																							

The first draft will be developed by the WG1 member beginning the 1st stage of pilot activity in Laguna Province and Bohol Province.

1-6 Develop draft guidelines for reviewing hazard/risk information.	Progress Tracking											
	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan
1-7 Based on the results of 4-4, revise the guidelines developed in 1-6.												
Output 2:												
2-1 Review the current state of RDRRMs/LDRRMs and identify challenges.												
2-2 Consider the options of disaster risk reduction measures to reduce human casualties and economic losses based on disaster risk information that should be implemented at each level of region, province, city and municipality.												
2-3 Support the formulation of RDRRMs/LDRRMs in the pilot areas based on the risk assessment conducted in 1-5.												
2-4 Review the related local plans such as CDP, CLUP and LCCAP, and support adjustment of RDRRMs/LDRRMs in the pilot areas.												
2-5 Develop draft guidelines for the formulation and revision of RDRRMs/LDRRMs.												
2-6 Based on the results of 4-4, revise the guidelines developed in 2-5.												

Output 3:												
3-1 Review the current state of OCD's information management on RDRRMs/LDRRMs and identify challenges.												
3-2 Consider OCD's information management, monitoring and evaluation system and methods for the formulation, revision and implementation of RDRRMs/LDRRMs.												
3-3 Develop draft guidelines and monitoring and evaluation structure in order to implement the system considered in 3-2.												
3-4 Conduct a workshop for all the OCD regional offices on the draft guidelines and monitoring and evaluation structure developed in 3-3.												
3-5 Conduct activities in the pilot area based on the draft guidelines and monitoring and evaluation structure developed in 3-3.												
3-6 Based on the results of 3-4 and 4-4, revise the guidelines and monitoring and evaluation structure developed in 3-3.												

Output 4:												
4-1 Review the current state of DRRM training including construction of the NDRRM Training Institute and identify challenges.												
4-2 Consider the draft training structure for regions and LGUs.												
4-3 Based on the guidelines developed in 1-6, 2-5 and 3-3, develop draft training programs and modules for regions and LGUs.												
4-4 Conduct a workshop for all the OCD regional offices on the draft training programs and modules developed in 4-3.												

	Plan	Actual	2019	2020				2021				2022				2023				2024				Remarks	Issue	Solution	
				I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV				
				Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual				
4-5 Conduct training in the pilot areas based on the draft structures for training, monitoring and evaluation developed in 3-3 and 4-2 and the draft training programs and modules.																											
4-6 Based on the results of 4-4, revise the training structure developed in 4-2 and the training program and modules developed in 4-3.																											
4-7 Develop the training implementation plan (including timeline, budget, training of trainers, etc.) in order to replicate the project outcomes and conduct DRRM training for regions and LGUs in the Philippines.																											
Duration / Phasing																											
Monitoring Plan																											
Monitoring																											
Kick-off Meeting / Joint Coordinating Committee																											
Set-up the Detailed Plan of Operation																											
Submission of Monitoring Sheet																											
Monitoring Mission from Japan																											
Reports/Documents																											
Work Plan / Progress Report																											
Project Completion Report																											
Public Relations																											
Plan																											
Actual																											
Plan																											
Actual																											

TO Chief Representative of JICA PHILIPPINES OFFICE

PROJECT MONITORING SHEET

Project Title: Disaster Risk Reduction and Management Capacity Enhancement Project -
Phase II (DRRM-CEP2)

Version of the Sheet: Ver. 3.0 (Monitoring Period: July, 2021 - December, 2021)

Name	:	Usec. Ricardo B. Jalad
Title	:	Administrator, Office of Civil Defense and Executive Director, National Disaster Risk Reduction and Management Council
Name	:	Yoshihiko Uchikura
Title	:	Team leader / DRRM Governance
Submission Date:	:	April 18, 2022

I. SUMMARY

1. Progress

1.1 Progress of Inputs

(1) Dispatch of Japanese Experts

Due to the pandemic of Covid-19 and the regulations posed by the national government of the Philippines, there was no dispatch of Japanese Experts during the monitoring period. However, Japanese Experts and the Philippines counterparts have communicated via online basis.

(2) Assignment of Counterparts

From the Philippines Side, the Project Director and Project Manager are as follows.

- (a) Project Director: Usec. Ricardo B. Jalad, Administrator of the Office of Civil Defense (OCD) and Executive Director of the National Disaster Risk Reduction and Management Council (NDRRMC)
- (b) Project Manager: - Dir. Susan G. Juangco, RN, MPH, Director of the Planning Development Planning Service of the Office of Civil Defense (PDPS-OCD)

There was a change from the Record of Discussions (hereinafter referred to as "R/D") in November 19, 2021.

Disaster Risk Reduction and Management Capacity Enhancement Project - Phase II (DRRM-CEP2)
MONITORING SHEET SUMMARY

The list of counterparts from OCD is as follows.

Working Group	Leader	Members
WG 1 Disaster Risk Understanding and Information	Leader: Ms. Cheryl Loise T. Leal, DRGD-PDPS	Mr. Ryan Christopher Viado, RRMS Mr. Relan Jay Asuncion, OS Ms. Deniece Krizia Manding, OS Ms. Mary Grace Somido, OS Mr. Kenneth Menor, PDPS Mr. Marvin Arias, PDPS Mr. Raffy Z. Lucas, CBTS
WG 2 Local DRRM Planning	Leader: Ms. Ma. Cristina Lee, DDSD-PDPS	Mr. Manuel Nivera, CBTS Ms. Cheryl Loise T. Leal, PDPS Mr. Benito Salvador, Jr., PDPS Mr. Ryan Christopher Viado, RRMS Ms. Mary Ann Sarah Ulat, OS Mr. Renato Libunao, Jr., PDPS Mr. Paolo Jonas Alan, OS
WG 3 Monitoring and Evaluation	Leader: Ms. Raquel De Leon, PDPS	Ms. Leonila Dissanayake, RRMS Mr. Marvin Arias, PDPS Ms. Phoenicia Achaia Dela Merced, RRMS Ms. Hannah Grace Escamilla, CBTS Ms. Gia Mae Resaba, PDPS Ms. Grace Joice Ganes, CBTS Ms. Tanya Celina Cauntay, PDPS
WG 4 Training and Replication	Ms. Lorelei Bendijo, CBTS	Mr. Relan Jay Asuncion (OS) Ms. Aimee Menguilla (OS) Mr. Alvin Geronimo (RRMS) Ms. Shereen Hombrebueno (CBTS) Mr. Julius Hontiveros (RRMS) Ms. Rose Ann Tierra (CBTS) Ms. Aurora dela Rosa (CBTS) Ms. Monique Raizza Jacob (PDPS) Ms. Hyacinth Jeaned Barros (PDPS) Mr. Mark Anthony Rana (PDPS)

DRGD-PDPS: Disaster Risk Governance Division of the Division Policy Development and Planning Service
 DDSD-PDPS: DRRM Development and Standards of the Division Policy Development and Planning Service
 CBTS-TAD : Training and Advocacy Division of the Capacity-Building and Training Service
 RRMS : Rehabilitation and Recovery Management Service

In addition, resulting from the Joint Working Group Meeting held on November 26, 2019, the following organizations were identified as Working Group members.

Disaster Risk Reduction and Management Capacity Enhancement Project - Phase II (DRRM-CEP2)
MONITORING SHEET SUMMARY

Organization		Related Working Group
CCC	Climate Change Commission	WG1: Disaster Risk Assessment WG2: LDRRMP Formulation
CHED	Commission on Higher Education	WG4: Training and Replication
CHED	Commission on Higher Education	WG4: Training and Replication
DBM-LGRCB	Local Government and Regional Coordination Bureau	WG3: Monitoring and Evaluation
DENR-CCS	Climate Change Service	WG2: LDRRMP Formulation
DENR-MGB / Geo Hazard Division	Mines and Geosciences Bureau	WG1: Disaster Risk Assessment
DENR- NAMRIA	National Mapping and Resource Information Authority	WG1: Disaster Risk Assessment
DENR-RBCO	River Basin Control Office	WG2: LDRRMP Formulation
DHSUD	Department of Human Settlements and Urban Development (Former HLURB)	WG2: LDRRMP Formulation
DILG-BLGD	Bureau of Local Government Development	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation
DILG-BLGS	Bureau of Local Government Supervision	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation
DILG-CODIX	Central Office Disaster Information Coordinating Center (CODIX)	WG2: LDRRMP Formulation
DILG-LGA	Local Government Academy	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation WG4: Training and Replication
DOH-HEMB	Health Emergency Management Bureau	WG2: LDRRMP Formulation
DOST-ASTI	Advanced Science and Technology Institute	WG1: Disaster Risk Assessment
DOST- PAGASA,	Philippine Atmospheric, Geophysical and Astronomical Services Administration	WG1: Disaster Risk Assessment
DOST- PHIVOLCS	Philippine Institute of Volcanology and Seismology	WG1: Disaster Risk Assessment
DPWH - BOM	Bureau of Maintenance	WG2: LDRRMP Formulation
DPWH – PS	Planning Division and PPP	WG2: LDRRMP Formulation
DRRNet- Philippines	-	WG2: LDRRMP Formulation WG4: Training and Replication
DSWD- DRMB	Disaster Response Management Bureau	WG2: LDRRMP Formulation
NEDA-RDG	Regional Development Group	WG3: Monitoring and Evaluation
PSA	Philippine Statistics Authority	WG1: Disaster Risk Assessment
ULAP	Union of Local Authorities of the Philippines	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation WG4: Training and Replication

1.2 Progress of Activities

(1) Overall Project

[0-1] : Support to Conduct Joint Coordination Committee (JCC) Meetings and Progress Explanation

During the monitoring period, two CP meetings and 1 Inter WG Meeting were held as follows.

Date	Meeting Type	Main Subjects
August 16, 2021	2 nd Inter Working Meeting (Online)	<ul style="list-style-type: none"> Project Updates: Pilot Activities Status / Status if each Working Group Activities / Next Activities
November 05, 2021	9 th CP Meeting (Online)	<ul style="list-style-type: none"> Project Updates: Pilot Activities Status / Status if each Working Group Activities / Next Activities
November 19, 2021	Meeting with OCD Regional Offices VIA,	<ul style="list-style-type: none"> Discussed LGU candidates Obtained recommendations from the OCDR focal persons
December 21, 2021	10 th CP Meeting	<ul style="list-style-type: none"> Project Updates and preparations for Stage 2 pilot testing

[1-4] : Coordination with Selected Pilot LGUs in the Pilot Regions.

Discussions for selecting pilot LGUs for the stage 2 of pilot activity have been started. The stage 2 of pilot activity is planned to start in April, 2022.

(2) Output 1

[1-1] : Review the Current State of Hazard Assessment/Information and Identify Challenges

[1-2] : Review the Current State of Risk Assessment / Information and Identify Challenges

A series of follow-up meetings with related agencies and academic organizations were held in order to prepare for the next TWG meeting for the WG1 Activity for the Pilot LGUs. The Workshop Program was prepared and disseminated to the OCD and WG1 member agencies for their comments and recommendations. Consultation meetings with the Region 7 Pilot LGUs were also done to prepare them with the WG1 activity. Schedules for the workshop was also solicited from the Pilot LGUs to ensure attendance of the participants.

Date	Agencies and Organizations	Main Subjects
June 23, 2021	Internal Meeting with OCD WG1 Counterpart	<ul style="list-style-type: none"> Discussion on the 2nd TWG Meeting schedule and meeting with DHSUD
July 7, 2021	Meeting with Tubigon, Bohol	<ul style="list-style-type: none"> Discussion on the different Development Plans (CLUP/CDP) prepared by Tubigon and the DRA tool they used.
July 8, 2021	Meeting with Bohol, Bohol	<ul style="list-style-type: none"> Discussion on the DRA tool they used for their PDPFP and request for the data used.

Based on the results from the meetings mentioned above and documents review, the current situation of data, tools and procedures for understanding local disaster risks and selecting necessary DRR measures in the process of LDRRMP formulation and these major challenges were identified as the following.

1. Available Data of Hazard, Exposure and Vulnerability Utilized for Understanding Local Disaster Risks and Identifying necessary DRR Measures

	Current Situation	Major Challenges
HAZARD	Hazard maps for major natural disasters such as earthquake, tsunami, volcanic eruption, flood, landslide and high tide, which every LGU throughout the country can refer to in the LDRRMP formulation, have been developed and updated by responsible NGAs and academic research institutes.	The Pilot LGUs used hazard maps generated years back as their respective Development Plans (CLUP, CDP, PDPFP) were done 6 or 10 years ago. They are currently using the same set of hazard maps for their LDRRMP. The hazard maps were understood by the Planning Office as they used it for their CLUP/PDPFP. The other offices did not understand the results when the Planning Office used it for the LDRRMP formulation activities of the project.
EXPOSURE	Generally, the barangay-wise statistics (PSA) and land cover data (NAMRIA) are utilized for exposure database of CDRA by the Pilot LGUs.	The best option is for LGUs to develop their own exposure data based on the detailed field survey which is recommended to conduct for quantitative disaster impact assessment using REDAS. But most LGUs don't have the capabilities and capacities to do so. The GeoRisk.PH will be equipped with the function for collecting hazard and exposure information. The LGUs may be able to use this function as a supporting tool of their ground survey. But the Pilot LGUs have not heard of the GeoRiskPh.

	Current Situation	Major Challenges
VULNERABILITY	Vulnerability curves of buildings to seismic shaking, flood inundation and distractive wind (fragility curves of buildings to seismic shaking) have been developed in the GMMA-RAP (Risk Analysis project for Great Metro Mania Area) based on the historical records of past disasters and, experiences and considerations from experts in the country.	The fragility and vulnerability curves produced under GMMA-RAP is only adapted for the evaluation of a population of buildings (not for the evaluation of an individual building.) The UP-ICE is now working with PAGASA for the severe wind impact assessment.

2. Outputs of DRA in Existing LDRRMPs

Current Situation	Major Challenges
It is observed that the results of Disaster Risk Profiles are not translated or integrated in the LGU's identified goals, outcomes in the current LDRRMPs. DRA has not been utilized for identification and prioritization of DRRM measures in the process of formulating LDRRMPs yet.	It is also important as local planning to harmonize CDP and CLUP and LDRRMP. The result of DRA conducted for formulation of CDP and CLUP should be reflected to LDRRMP as much as possible.

[1-3] : Consider Risk Assessment Methods so that Disaster-Related Officials (DRRM Officials) can Understand Local Disaster Risks and Realize Disaster Risk Reduction through Countermeasures.

Output 1 conducted the One-day Workshop on Disaster Risk Assessment with the 'science-based' member agencies in July 30 (Region 4A LGUs), August 10 (Tubigon) and August 11 (Bohol). Based on the result of activities [1-1] and [1-2], it was observed that each pilot LGUs have their own quantitative results of DRA. The Municipal or City uses the CDRA while the provincial level uses the DRR-CCVA type of DRA. And the DRA is done for the drafting of their respective development plans mandated by law. As such, it is the Planning and Development Office that are conducting the DRA and not the DRRM Office. The PDOs manage the results of the CDRA and the DRR-CCAVA. But the results of the DRA were not fully understood by the other offices of the LGU including the DRRM Office.

It was also observed that the hazard map used for the DRA has not been updated. LGU did not know if there is the latest one or not. This is due to the fact that the DRA were done for the drafting of their development plans that were done 6-10 years ago. And for the drafting of their LDRRMP, the Pilot LGUs used the same hazard maps so as to maintain the alignment to their existing development plans.

LGUs were interested in applying impact analysis tools (ex; REDAS), but its process was too specialized for them to understand. LGUs are not at a level where they can operate the specialized software by themselves. The result of impact analysis could not be reflected in the LDRRMP. LGUs needed basic introduction to impact analysis tools. In addition, it was easy to understand if there was a summary explaining the analysis results

Therefore, the JICA Expert Team proposed the following adjustments to the draft Technical Guidebook of Damages and Losses Evaluation (DLE) as an additional approach of the current DRA methods used by the LGU for their respective LDRRMP formulation:

1. To add a step in the standard DLE Procedure to verify the result of DLE with original data such as hazard maps and exposure data, and processing data before using the DLE result for formulation of LDRRMP.
2. To add a guidance that allows anyone at local level to easily check and obtain the latest hazard maps and Exposure data that can be used in the formulation of local plans.
3. To add an explanation about how to use impact analysis tool such as REDAS, SWERVE and others for technical support.

Additional recommendations were also collated from the meetings with DHSUD and DILG, the following are to be considered to further improve the usability of the draft TG:

1. To identify the scope of DLE in the common DRAs in order to gain better understanding about what is Damage and losses evaluation.
2. To give technical guidance to LGUs, the explanation of how to select the DLE process.
3. To explain how to use the result of DLE in the process of Local DRRM Planning with concrete examples (how to transfer the result of DLE to “Form 1-C”).
4. To add an explanation about relationship between DLE and PDNA (Post Disaster Need Assessment)

These observations and recommendations were collated and presented in the 3rd TWG meeting in November 9, 2021 by Output 1. The WG1 members have agreed to provide DLE results to any LGUs who will use their DLE tool to ensure faster analysis and translation to countermeasures.

Date		Main subject
July 23, 2021	2 nd TWG Meeting	<ul style="list-style-type: none"> • Consultation with PHIVOLCS, OCD, PAGASA, and MGB on the draft TG. Additional recommendations from the member agencies were solicited.
Nov 9, 2021	3 rd TWG Meeting	<ul style="list-style-type: none"> • Discussion on the initial major findings of the Pilot Activities on DRA/DLE

The WG1 will disseminate the revised draft TG to the member agencies (PHIVOLCS, PAGASA, MGB, OCD, DHSUD and DILG) for their review and comments. This will done prior to the commencement of the 2nd batch of Pilot LGUs for 2022.

[1-5] : Support the Review of Risk Information in the Pilot Areas based on the Existing Hazard / Risk Assessment by Using the Risk Assessment Methods considered in [1-3].

The following works have been conducted by the WG1 members.

- Review of the current DRA's results of Bohol Province and Tubigon Municipality: The JICA Expert Team reviewed the data and documents related to DRA from PDRRMO of Bohol and MDRRMO of Tubigon respectively. Bohol used Vulnerability and Risk Assessment Tool and Tubigon used CDRA.

- 1-day Workshop on DRA/DLE for Pilot LGUs: WG1 conducted 1-day Workshops on DRA/DLE with the support of the member agencies of PHIVOLCS, PAGASA and MGB.

Based on the result of activities [1-3] and [1-5], the JICA Expert Team prepared the first draft of the Damages and Losses Evaluation (DLE) Technical Guidebook as the basis of discussion. WG1 member has incorporated the comments and recommendations to this first draft of the guidebook that will closely linked to setting DRRM strategies and listing necessary DRRM countermeasures at the stage of LDRRMP formulation. The first draft of the guidebook will be used for the 1st stage of pilot activity in The Provinces of Laguna and Bohol, then the contents of the guidebook will be reviewed and modified based on the lesson learned from the 1st pilot activity. The revised version of the Technical Guidebook for DRA will be developed in consideration of the varying capacities of LGUs in terms of risk assessment, hence should be concise “one size fits all” document that envisions to bridge the gap between risk assessment and local DRRM planning.

[1-6] : Develop Draft Guidelines for Reviewing Hazard / Risk Information.

Based on the result of activities [1-3] and [1-5], the JICA Expert Team prepared the second draft of the Damages and Losses Evaluation (DLE) Technical Guidebook as the basis of discussion. WG1 member are now currently incorporating the comments and recommendations to the second draft based on the major findings and collated recommendations from the member agencies. The third draft of the guidebook will be used for the 2nd stage of pilot activity in The Provinces of Laguna and Bohol, including Negros Oriental and Davao City. Afterwhich the contents of the guidebook will be reviewed and modified based on the lesson learned from the 2nd pilot activity. The revised third version of the Technical Guidebook for DRA will be developed in consideration of the varying capacities of LGUs in terms of risk assessment, hence should be concise “one size fits all” document that envisions to bridge the gap between risk assessment and local DRRM planning.

(3) Output 2

[2-1] : Review the Current Status of RDRRMPs/LDRRMPs and Identify Challenges

A series of consultation meetings with OCD Central and Regional counterparts, and related national government agencies were held to obtain inputs and recommendations for the enhanced LDRRMP Guidebook.

Date		Milestones
01 Dec 2020	Presentation of LDRRMP Version 0 to Cluster 1 NGAs	<ul style="list-style-type: none"> • Obtained comments and recommendations
03 Mar/ 09 Oct/ 09 Dec 2020; 04 Feb 2021	Consultation meeting with DPWH	<ul style="list-style-type: none"> • Obtained Inputs for structural DRRM measures (standards, costing, policies)

Disaster Risk Reduction and Management Capacity Enhancement Project - Phase II (DRRM-CEP2)
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Date		Milestones
15 January 2021	Presentation of LDRRMP Version 0 to Cluster 2 NGAs	<ul style="list-style-type: none"> • Obtained comments and recommendations
1 Feb 2021	Meeting with NEDA	<ul style="list-style-type: none"> • Discussed the M and E process flow of NEDA vis-à-vis M an E stage of LDRRMP guidebook version 0
11 Feb 2021	Meeting with DHSUD	<ul style="list-style-type: none"> • Presented Land Use Planning and DRRM – Japan Experience • Discussed possible alignment process and entry of CLUP and LDRRMP • Presented JICA-DRRMCEP2 Project updates • DHSUD shared updates on simplification of CDRA and updating of CLUP-DRRM CCA guidebook
March to April 2021	2 nd LDRRMP Guidebook revision	<ul style="list-style-type: none"> • Revised LDRRMP Guidebook
5 April 2021	Presented revision of LDRRMP Guidebook	<ul style="list-style-type: none"> • Presented consolidated revisions based on inputs of OCDR and WG2 NGAs • Obtained additional inputs from OCD WG 2 members
April to Mid-June 2021	3 rd LDRRMP Guidebook revision	<ul style="list-style-type: none"> • Completed LDRRMP Guidebook Version 1
July to December 2021	LDRRMP Formulation Guidebook Pilot Testing	<ul style="list-style-type: none"> • Completed online lecture sessions and exercises on the 5 stages of the LDRRMP Formulation Guidebook for the 4 pilot LGUs under stage <ul style="list-style-type: none"> ✓ City of Calamba ✓ Municipality of Tubigon ✓ Province of Bohol ✓ Province of Laguna
22 October 2021	WG 2 Meeting	<ul style="list-style-type: none"> • Presented Initial Observations and Learnings from the Stage 1 Pilot Testing • Obtained recommendations for LDRRMP Version 2
23 November 2021	Presented LDRRMP Formulation Guidebook to NDRRMC NGAs	<ul style="list-style-type: none"> • Presented initial observations and learnings from the LDRRMP Formulation Guidebook Pilot-testing • Highlighted salient features of the LDRRMP Formulation Guidebook <ul style="list-style-type: none"> ✓ Reflecting International and National trends on DRRM; ✓ Harmonizing Higher and Local Policies and Plans related to sustainable development (PDPFP, CLUP, CDP, LCCAP, etc.); ✓ Setting Long-Term DRRM Targets not limited to the period of the Plan; ✓ Justifying / anticipating how Residual Risks may change in the future with the implementation of the Plan; ✓ Promoting the synergy between LGUs, NGAs, Private, Academe and other Stakeholders.

In the enhanced LDRRMP guidebook, some of the issues in the baseline study were addressed by:

1. Providing process on the alignment of Low vertical and horizontal linkage with other related plans;

2. Developing criteria in prioritizing DRRM measures to establish short-medium-long term targets;
3. Expanding sources of budget for DRRM Measures (e.g., NGAs, other LGU sources such as GAD, General funds, etc.)

Regarding RDRRMP, the RDRRMCs are mandated to update its plan based on the Updated NDRRMP. Consultation with OCD regional offices and NGAs and drafting of the RDRRMP formulation guidebook in the project's pipeline of activities until mid-2022.

[2-2] : Consider DRRM Countermeasures based on Disaster Risk Information / Consider the Options of Disaster Risk Reduction Measures to Reduce Human Casualties and Economic Losses based on Disaster Risk Information that should be implemented at each level of Governance (Nation, Region, Province, City and Municipality).

The LGUs under the stage 1 pilot testing have identified necessary structural and non-structural measures based on their disaster risk assessment. The DRRM measures corresponds to per hazard and elements at risk, and classified under prevention and mitigation, preparedness, response and early recovery, and rehabilitation.

In case of the City of Calamba and Municipality of Tubigon, both LGUs have prioritized DRRM measures in the high susceptible areas based on their respective short-term targets. On the other hand, the Province of Laguna has identified DRRM measures in support to the reduction of risks of their component cities and municipalities. Augmentation of resources and bridging to the NGAs, particularly for structural measures were identified to enhance capacity of its LGUs especially those lacking resources and high-risk areas.

[2-3] : Support the Formulation of RDRRMPs/LDRRMPs in the Pilot Areas based on the Risk Assessment Conducted in [1-5].

-The LDRRMP formulation pilot testing was conducted from July to December 2021. Online lectures were utilized as well as minimal face to face workshop for the forms needed for the LDRRMP. Currently, the City of Calamba, Municipality of Tubigon, and Province of Laguna are updating their respective LDRRMP with the support of OCD and Japanese Expert Team.

[2-4] : Review the Related Local Plans such as CDP, CLUP and LCCAP, and Support Adjustment of RDRRMPs/LDRRMPs in the pilot areas.

Analysis of the related local plans were undertaken so that DRRM related measures will be considered in the LDRRMP formulation of the pilot LGUs.

[2-5] : Develop Draft Guidelines for the Formulation and Revision of RDRRMPs/LDRRMPs.

Based on the learnings and recommendations from the LDRRMP formulation pilot testing in the four (4) LGUs under the stage 1, the enhanced LDRRMP version 2 was completed in November 2021. On the other hand, the formulation of RDRRMP formulation guidebook is set to this 1st quarter of 2022.

(4) Output 3

[3-1] : Review the Current State of OCD’s Information Management on RDRRMPs/LDRRMPs and Identify Challenges.

While the LDRRMPs of the selected LGUs in Region IVA and VII were reviewed, there is a need to review new set of LDRRMPs across the Philippines. A set of sampling criteria is being developed to systematically review the LDRRMPs. Furthermore, new policies are being considered such as the Gawad Seal and Updated NDRRMP 2020-2030. At present, the RDRRMCs through the leadership of the OCD have to update its plan based on the outcomes and targets of the updated NDRRMP.

Date		Milestones
28 Jan 2021	WG 3 Meeting	Presented project updates and directions Discussed initial criteria for sampling of LGUs for LDRRMP review
11 Feb 2021	WG 3 Meeting	OCD-PDPS presented the Gawag Kalasag Seal features and checklist (in line with the M and E)
March 2021 to present	Ongoing review of RDRRMPs	Initial summary of contents

[3-2] : Consider OCD’s Information Management, Monitoring and Evaluation System and Methods for the Formulation, Revision and Implementation of RDRRMPs/LDRRMPs.

The LDRRMP M and E guidebook will be developed based on the drafted LDRRMP Guidebook and result of the pilot testing stage 1. Also, the indicators and major considerations will be discussed together with member agencies as they are also crucial in the monitoring of the RDRRMPs/LDRRMPs.

(5) Output 4

[4-1] : Review the Current State of DRRM Training including Construction of the NDRRM Training Institute and Identify Challenges.

The CBTS is conducting review of its curriculum, updating, as necessary, its existing blended/online training courses.

The NDRRMTRI was provisionally activated on 30 September 2021 and is now focusing on the following tasks (based on OCD Memorandum 635, s. 2021):

1. Formulate and develop relevant policies, guidelines and procedures for the full operationalization of the NDRRM TRI such as but not limited to the curriculum framework, manual of operations, accreditation manual, and policy on the provision of capacity building activities and educations as well as its certifications;
2. Identify programs, activities and courses to be provided by the NDRRM TRI through the conduct of Training Needs Analysis and ensure its responsiveness to the needs of the stakeholders;
3. Identify academic institutions as well as government and non-government agencies/

organizations that are currently offering/ conducting DRRM-related courses/ training/ education in order to have a data bank of all DRRM capacity building and assess how these institutions and agencies will aid in the crafting accreditation guidelines;

4. Identify areas of researches to be conducted by the NDRRM TRI and how relevant agencies and organizations such as the National Defense College among others, be able to collaborate to implement the priority agendas;
5. Review and standardize DRRM education and training/formal courses; and
6. Attend meetings, workshops and, or seminars relevant to the activity.

Meantime, pending the full activation of the NDRRMTRI, the CBTS continues to deliver the functions of curriculum development and training.

[4-2] : Consider the draft training structure for regions and LGUs.

“Observation Sheet” was prepared for participating WG4 members to take note of training-related concerns during the DLE and LDRRMP guidebooks’ pilot testing activities.

From October 2021, since most of all the members of WG 4 had been changed, takeover of all activities and results is being done by new members.

To help in planning for the roll out or the training component of this project, the new members of Working Group 4 who are available are attending some of the pilot activities with the objective of understanding the planning contents, suggestion points for the guidebooks, and observation for the response. The goal is to send representatives to these pilot activities; however, this has posed a challenge considering the hectic schedules of the WG4 members who are doing multi tasking in their respective offices.

But this did not stop the members to attend, when they can, as observers to the pilot testing sessions held for Laguna, Calamba, Bohol, and Tubigon.

Date		Milestones
Aug, 16	Inter WG meeting	<ul style="list-style-type: none"> • Presentation of the activities of WG4
Oct. 1, 2021	Takeover the Activities of WG4	<ul style="list-style-type: none"> • Introduction of the new members • Explain the outline of the activities of DIMCEP 2 and WG4
Oct. 15, 2021	Preparation for counterpart meeting	<ul style="list-style-type: none"> • Confirm the new members • Grasp the further meeting schedule • Confirm the forms for the observation for Gide book and Pilot testing • Confirm the schedule of Pilot testing • Discussion on activities of WG4
Nov. 4, 2021	Preparation for counterpart meeting	<ul style="list-style-type: none"> • Confirm the presentation for Counterpart meeting • Confirm the next activities
Nov. 5, 2021	Counterpart meeting	<ul style="list-style-type: none"> • Present the activities of WG4 and findings of observation of Guidebook and Pilot testing
Nov. 15, 2021	Team meeting	<ul style="list-style-type: none"> • Sharing the result of observation • Discussion of the point to be suggested

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Date		Milestones
Aug, 16	Inter WG meeting	<ul style="list-style-type: none"> • Presentation of the activities of WG4
Nov. 26, 2021	Team meeting	<ul style="list-style-type: none"> • Detailed explanation of the output which had been done by previous members.
Dec. 9 th	Counterpart meeting	<ul style="list-style-type: none"> • Presented the activities of WG4 and findings of observation of Guidebook and Pilot testing

Following is the attendance result of the WG4 members for Pilot Activities.

	Region IV-A		Region VII	
	Laguna P	Calamba C	Bohol P	Tubigon M
DRA / DLE Lecture	1	1	2	1
LDRRMP Lecture 1	3	2	1	1
LDRRMP Lecture 2	1	1	1	1
LDRRMP Lecture 3	1	2	6	1
LDRRMP Lecture 4	1	1	1	1
LDRRMP Lecture 5	1	1	TBD	-
LDRRMP Lecture 6	1	1	TBD	1

2. Delay of Work Schedule and/or Problems (If any)

2.1 Details

On-site activities are suspended from March 2019 due to COVID-19 Situation, and some activities are on delay due to the difficulties to consult and coordinate related agencies under Response Operations against COVID-19.

In addition to COVID-19, the Philippines were affected by a series of natural disasters activating the response operations of N/RDRRMC members and LGUs.

Due to the occurrence of such events affecting both Japanese and Philippines sides, the overall project schedule was revised.

2.2 Cause

Written in 2.1.

2.3 Actions to be taken

In order to ensure the continuity of the Project Activities under such circumstances, the continuous coordination between Japanese Experts, Officials from OCD and other related organizations is fundamental. The switching from on-site (face to face) basis to remote-basis of some activities including consultation meetings are already done.

Regarding the preparation of pilot activities, the Central Office and Regional Offices of OCD, Target LGUs and JICA Expert Team are coordinating closely and are looking for the most effective method of conducting pilot activities utilizing remote activities under this COVID-19 situation.

2.4 Roles of responsible Persons/Organization (JICA, Government of the Philippines, etc.)

N/A

3. Modification of the Project Implementation Plan

3.1 Plan of Operation (PO)

Due to the circumstances explained in 2.1, the overall schedule (including the addition of those to be conducted remotely) was revised. 8 months delay was confirmed by the both parties and the project period was revised from “2019-2024 (60 months)” to “October 2019 - May 2025 (68 months)” by the minutes of meeting for amendment of record of discussions.

3.2 Other Modifications on Detailed Implementation Plan

In addition to the amendment of project period, the pilot area, the project manager, the leaders of WGs, the list of related organizations and list of Japanese experts, and the wording in the record of discussions signed on August 6, 2019 was amended by the minutes of meeting for amendment of record of discussions dated on November 16, 2021.

4. Preparation of the Government of the Philippines toward after the Completion of the Project

N/A

II. PROJECT MONITORING SHEETS I & II

As Attached

Project Monitoring Sheet I (Revision of Project Design Matrix)

Version 2
Dated November 16, 2021

Project Title: Disaster Risk Reduction and Management Capacity Enhancement Project Phase II
Implementing Agency: Office of Civil Defense
Target Group: OCD (Headquarters and Regional) and local disaster-related officials centered upon RDRMC and LDRMC in the pilot areas
Period of Project: From October 2019 to May 2023 (68 months)
Pilot Regions: Region IV-A and Region VII
Pilot LGUs: Dagupan City and Pilot LGUs in the pilot regions will be selected in 1-4.

Overall Goal	Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
<p>The project outcome is replicated in the Philippines for the purpose of reducing human casualties and economic losses under NDRMC's initiative.</p>	<p>1. Based on the indicators for Output 1 and Output 2, regions and LGUs formulate, implement, and monitor RDRMPs/LDRMPs.</p> <p>2. Based on the indicators for Output 3, information management, OCD implements information management, monitoring and evaluation of RDRMPs/LDRMPs.</p> <p>3. Based on the indicators for Output 4, training for regions and LGUs is implemented.</p>	<p>1. OCD is ready for implementing its information management, monitoring and evaluation system in nationwide.</p> <p>2. RDRMCs and LDRMCs in the pilot areas can receive necessary technical support from the DRRM system for planning, implementation and monitoring of RDRMPs/LDRMPs.</p>	<p>1. OCD Annual Report, RDRMPs/LDRMPs, Questionnaires for OCD and RDRMCs, interviews with OCD and RDRMCs</p> <p>2. OCD Annual Report, stored information, stored monitoring and evaluation documents, Questionnaires for OCD, related agencies and RDRMCs, interviews with OCD, related agencies and RDRMCs</p> <p>3. OCD Annual Report, Questionnaires for OCD and RDRMCs, interviews with OCD and RDRMCs</p>	<p>National DRRM policies do not change.</p> <p>The project outcome (plans, guidebooks, and systems developed by the project) is endorsed/approved by NDRMC.</p>	<p>-</p>	
<p>Project Purpose Planning, implementation and monitoring system of RDRMPs/LDRMPs is developed for the purpose of reducing disaster human casualties and economic losses with the necessary technical support by National DRRM system centered upon NDRMC.</p>	<p>1-1 User friendly guidebooks for regional/local risk hazard information use and risk reduction through countermeasures.</p> <p>1-2 Regional/local disaster-related officials in the pilot areas realize disaster risk reduction through countermeasures.</p>	<p>1-1. Guidebooks, questionnaires for the users and their trainers, interviews with the users and their trainers</p> <p>1-2. Questionnaires for the regional/local disaster-related officials and their trainers, interviews with OCD and Japanese experts</p>	<p>National DRRM policies do not change.</p> <p>National DRRM mechanism does not change drastically. Even if organizational changes affect OCD, new organization that takes over current OCD's roles and responsibilities agrees to continue the project.</p>	<p><1-1> - Draft Guidebook version 2.0, use revised by the WG1 member agencies. The version 3.0 will be prepared before the start of 2nd batch of Pilot Activities. - The WG1 conducted the One-day Workshop on Disaster Risk Assessment with NGAs who are members of WG1 in July 30 (Laguna, Calamba), August 10 (Tubigon) and August 11 (Bohol).</p> <p><2-1> - Draft Guidebook Version 2 is completed, integrating the inputs from observations and learnings of stage 1, pilot testing and the major contents of LDRMP version 2 to NDRMC. - Initial discussion on the drafting of RDRMP Formulation Guidebook</p>	<p><2.1> The Draft Guidebook Version 2 is being revised to Version 3 based on the additional comments of OCD and NGAs.</p>	
<p>Output 2: Guidebooks for the formulation of RDRMPs/LDRMPs based on disaster risk information are developed for the purpose of reducing disaster human casualties and economic losses.</p>	<p>2-1 User friendly guidebooks for the formulation and revision of RDRMPs/LDRMPs are developed.</p>	<p>2-1 Guidebooks, questionnaires for the users and their trainers, interviews with the users and their trainers</p>	<p><2-1> - Ongoing consultation with OCD on the initial criteria for LDRMP review across the country</p>	<p><3.1> The enhanced LDRMP guidebook will be considered in the drafting of the M and E guidebooks. Other policies such as Cawad seal will also be considered in the formulation of M and E.</p>	<p><3.1> The enhanced LDRMP guidebook will be considered in the drafting of the M and E guidebooks. Other policies such as Cawad seal will also be considered in the formulation of M and E.</p>	
<p>Output 3: OCD's information management (including global indicators such as Sendai Framework for Disaster Risk Reduction), monitoring and evaluation system, on the formulation, revision and implementation of RDRMPs/LDRMPs is established.</p>	<p>3-1 User friendly guidebooks and feasible structure for information management, monitoring and evaluation are developed.</p> <p>3-2 OCD's information management, monitoring and evaluation system and methods function in the pilot areas.</p>	<p>3-1 Guidebooks, questionnaires for the users and their trainers, interviews with the users and their trainers</p> <p>3-2. Questionnaires for the regional/local disaster-related officials and OCD, interview with Japanese experts</p>	<p><3-1> -Resulting from the Baseline Survey, major challenges and issues to consider were identified</p>	<p><4-1> Concrete contents of the programs and modules will be considered in collaboration with Outputs 1, 2 and 3.</p>	<p><4-1> Concrete contents of the programs and modules will be considered in collaboration with Outputs 1, 2 and 3.</p>	
<p>Output 4: Training system is established in order to replicate the project outcome and conduct training for regions and LGUs in the Philippines.</p>	<p>4-1 User friendly training programs and modules, and feasible structure for information management, monitoring and evaluation are developed.</p> <p>4-2 OCD's training implementation plan is developed.</p>	<p>4-1 Training programs and modules, questionnaires for the users and their trainers, interviews with the users and their trainers</p> <p>4-2. Training implementation plan, interviews with OCD and Japanese experts.</p>	<p>The Philippine Side</p> <p>1. Allocation of Counterpart Personnel</p> <p>2. Office space for Japanese experts</p> <p>3. Local cost (regional/local training that are not covered by JICA support)</p>	<p>The Important Assumption</p> <p>Large-scale disasters that significantly delay the implementation of activities do not occur.</p> <p>Drastic organizational change that significantly affect the implementation of activities do not occur.</p> <p>LDRMCs of the pilot LGUs agree to participate in the project activities.</p>	<p>The Important Assumption</p> <p>Large-scale disasters that significantly delay the implementation of activities do not occur.</p> <p>Drastic organizational change that significantly affect the implementation of activities do not occur.</p> <p>LDRMCs of the pilot LGUs agree to participate in the project activities.</p>	
<p>1-1 Review the current state of hazard assessment/information and identify challenges.</p> <p>1-2 Review the current state of risk assessment/information and identify challenges.</p> <p>1-3 Consider risk assessment methods so that disaster-related officials can understand local disaster risks and realize disaster risk reduction through countermeasures.</p> <p>1-4 Set selection criteria and select LGUs in the pilot regions.</p> <p>1-5 Support the review of risk information in the pilot areas based on the existing hazard/risk assessment by using the risk assessment methods considered in 1-3.</p> <p>1-6 Based on the results of 1-4, revise the guidebooks developed in 1-6.</p> <p>2-1 Review the current state of RDRMPs/LDRMPs and identify challenges.</p> <p>2-2 Consider the options of disaster risk reduction measures to reduce human casualties and economic losses based on disaster risk information that should be implemented at each level of region, province, city and municipality.</p> <p>2-3 Consider the formulation of RDRMPs/LDRMPs in the pilot areas based on the risk assessment conducted in 1-5.</p> <p>2-4 Review the related local plans such as CDP, CLUP and LCCAP, and support adjustment of RDRMPs/LDRMPs in the pilot areas.</p> <p>2-5 Develop draft guidebooks for the formulation and revision of RDRMPs/LDRMPs.</p> <p>2-6 Based on the results of 4-4, revise the guidebooks developed in 2-5.</p>	<p>3-3 User friendly guidebooks and feasible structure for information management, monitoring and evaluation are developed.</p> <p>3-4 Develop draft guidebooks and monitoring and evaluation structure in order to implement the system considered in 3-2.</p> <p>3-5 Conduct a workshop for all the OCD regional offices on the draft guidebooks and monitoring and evaluation structure developed in 3-3.</p> <p>3-6 Based on the results of 3-4 and 4-4, revise the guidebooks and monitoring and evaluation structure developed in 3-3.</p>	<p>3-1 Dispatch of Japanese Experts (Team Leader/DRRM Governance, Disaster Risk Assessment, DRRM Planning, DRRM Information, DRRM Training Program/Capacity Development)</p> <p>2 Training for Counterpart Personnel in Japan</p> <p>3 Local cost for the activity of Japanese Experts</p>	<p>The Japanese Side</p> <p>1. Allocation of Counterpart Personnel</p> <p>2. Office space for Japanese experts</p> <p>3. Local cost (regional/local training that are not covered by JICA support)</p>	<p>The Pre-Conditions</p> <p>Qualified and enough number of counterpart personnel are assigned.</p> <p>RDRMCs of the pilot regions agree to participate in the project activities.</p> <p><Issues and countermeasures></p> <p><Overall Project: Delay due COVID-19> The overall schedule was revised and activities are conducted remotely. Both Philippine and Japanese sides are continuing project activities, but some challenges are occurring especially in terms of coordination with LGUs and related agencies.</p>	<p>The Pre-Conditions</p> <p>Qualified and enough number of counterpart personnel are assigned.</p> <p>RDRMCs of the pilot regions agree to participate in the project activities.</p> <p><Issues and countermeasures></p> <p><Overall Project: Delay due COVID-19> The overall schedule was revised and activities are conducted remotely. Both Philippine and Japanese sides are continuing project activities, but some challenges are occurring especially in terms of coordination with LGUs and related agencies.</p>	

Activities Sub-Activities	Year	2019				2020				2021				2022				2023				2024				2025		Responsible Organization Japan GOP	Achievements	Issue & Countermeasures
		Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	I	II					
																										IV	I			
Output 1: 1-1 Review the current state of hazard assessment/information and identify challenges.	UCHEKURU		○																					✓	✓	<p>The Pilot LGUs took some time to submit the requested data and documents.</p>				
1-2 Review the current state of risk assessment/information and identify challenges.	RUPO		○																					✓	✓					
1-3 Consider risk assessment methods so that disaster-related officials can understand local disaster risks and realize disaster risk reduction through countermeasures.	KITAZAWA FURUTA YAMASAKI KOJIKI TAKATA FUJITA GONAI ITO ARAKI LIDA YAMADA		○	○	○	○																					<p>The WG1 conducted the One-day Workshop on Disaster Risk Assessment with member agencies in July 30 (Laguna, Calamba), August 10 (Tubigon) and August 11 (Bohol). The observations and recommendations from pilot activities were collated and presented in the 3rd TWG meeting in November 9, 2021. The WG1 members have agreed to provide DLE results to any LGUs who will use their DLE tool to ensure faster analysis and translation to countermeasures.</p>			
1-4 Set selection criteria and select LGUs in the pilot regions.	UCHEKURU																									N/A				
1-5 Support the review of risk information in the pilot areas based on the existing hazard/risk assessment by using the risk assessment methods considered in 1-3.	UCHEKURU		○	○	○	○																				<p>The best option is for LGUs to develop their own exposure data based on the detailed field survey which is recommended to conduct for quantitative disaster impact assessment using REDAS. But most LGUs don't have the capabilities and capacities to do so.</p> <p>Additional comments and recommendations were provided by the member agencies of WG1 after presenting the major findings and consolidated comments from member agencies (DHUSD and DILG).</p>				
1-6 Develop draft guidelines for reviewing hazard/risk information.	UCHEKURU		○	○	○	○																					<p>Pilot LGUs used the results of their DRA Tools used in their CLUP/CCPP/DPFP formulation.</p>			
1-7 Based on the results of 4-4, revise the guidelines developed in 1-6.	UCHEKURU		○	○	○	○																								

Output 2:

2-1 Review the current state of RDRRMPs/LDRRMPs and identify challenges.	○ ○ ○	○ ○ ○	Plan Actual	✓ ✓	✓ ✓	Ongoing review of the existing RDRRMP	The LGUs under the stage 1 pilot testing have identified necessary structural and non-structural measures based on their disaster risk assessment. The DRRM measures corresponds to per hazard and elements at risk, and classified under prevention and mitigation, preparedness, response and early recovery, and rehabilitation.	The pilot LGUs have identified short, mid, and long term targets. However, the LDRRMP period will only cover the short-term targets. To ensure that the mid and long term targets are considered, the LGUs will monitor progress and evaluate the result of the LDRRMP implementation.
2-2 Consider the options of disaster risk reduction measures to reduce human casualties and economic losses based on disaster risk information that should be implemented at each level of region, province, city and municipality.	○ ○ ○	○ ○ ○	Plan Actual	✓ ✓	✓ ✓			
2-3 Support the formulation of RDRRMPs/LDRRMPs in the pilot areas based on the risk assessment conducted in 1-5.	○ ○ ○	○ ○ ○	Plan Actual	✓ ✓	✓ ✓		The LDRRMP formulation pilot testing was conducted from July to December 2021. Online lectures were utilized as well as minimal face to face workshop for the forms needed for the LDRRMP. Currently, the City of Calamba, Municipality of Tubigon, and Province of Laguna are updating their respective LDRRMP with the support of OCD and Japanese Expert Team.	With the high impact of Typhoon Odele, the Province of Bohol is not yet to complete the forms needed to update their LDRRMP. The Project will resume the technical assistance to the province by mid-2022.
2-4 Review the related local plans such as CDP, CLUP and LCCAP, and support adjustment of RDRRMPs/LDRRMPs in the pilot areas.	○ ○ ○	○ ○ ○	Plan Actual	✓ ✓	✓ ✓		Ongoing analysis of the different local plans collected from the pilot LGUs.	
2-5 Develop draft guidelines for the formulation and revision of RDRRMPs/LDRRMPs.	○ ○ ○	○ ○ ○	Plan Actual	✓ ✓	✓ ✓		The enhanced LDRRMP version 2 was completed in November 2021. On the other hand, the formulation of RDRRMP formulation guidebook is set to this 1st quarter of 2022.	
2-6 Based on the results of 4-4, revise the guidelines developed in 2-5.	○ ○ ○	○ ○ ○	Plan Actual	✓ ✓	✓ ✓			

Output 3:

3-1 Review the current state of OCD's information management on RDRRMPs/LDRRMPs and identify challenges.	○ ○ ○	○ ○ ○	Plan Actual	✓ ✓	✓ ✓	Ongoing review of the existing RDRRMP. Consultation meetings with the OCD Central and Regional Offices and other NDRRMC member-agencies are scheduled in March, 2022.		
3-2 Consider OCD's information management, monitoring and evaluation system and methods for the formulation, revision and implementation of RDRRMPs/LDRRMPs.	○ ○ ○	○ ○ ○	Plan Actual	✓ ✓	✓ ✓	Initial set of criteria is developed for the LDRRMP review sampling across the region		
3-3 Develop draft guidelines and monitoring and evaluation structure in order to implement the system considered in 3-2.	○ ○ ○	○ ○ ○	Plan Actual	✓ ✓	✓ ✓			
3-4 Conduct a workshop for all the OCD regional offices on the draft guidelines and monitoring and evaluation structure developed in 3-3.	○ ○ ○	○ ○ ○	Plan Actual	✓ ✓	✓ ✓			
3-5 Conduct activities in the pilot area based on the draft guidelines and monitoring and evaluation structure developed in 3-3.	○ ○ ○	○ ○ ○	Plan Actual	✓ ✓	✓ ✓			
3-6 Based on the results of 3-4 and 4-4, revise the guidelines and monitoring and evaluation structure developed in 3-3.	○ ○ ○	○ ○ ○	Plan Actual	✓ ✓	✓ ✓			

TO Chief Representative of JICA PHILIPPINES OFFICE

PROJECT MONITORING SHEET

Project Title: Disaster Risk Reduction and Management Capacity Enhancement Project -
Phase II (DRRM-CEP2)

Version of the Sheet: Ver. 4.0 (Monitoring Period: January, 2022 - June, 2022)

Name : Usec. Raymundo B. Ferrer
Title : Administrator, Office of Civil
Defense and Executive Director,
National Disaster Risk Reduction
and Management Council

Name : Yoshihiko Uchikura
Title : Team leader / DRRM Governance
Submission Date : August 25, 2022

I. SUMMARY

1. Progress

1.1 Progress of Inputs

(1) Dispatch of Japanese Experts

Since the beginning of the pandemic of Covid-19 in 2020, Japanese Experts had been suspending to visit the Philippines. However, due to the relief of Covid-19 situation in the Philippines, from March 2022, Japanese Experts resumed visiting the Philippines and hold several WSs in pilot LGUs on-site.

Bellow table shown the Japanese Experts' trips for the Philippines during this monitoring period.

Name	Assignment	Date
Yoshihiko Uchikura	Team Leader / DRRM Governance	• 3/27-4/2
Akihiro Furuta	Disaster Risk Assessment	• 3/27-4/13
Naoko Kitazawa	DRRM Planning	• 3/20-4/2 • 6/1-12
Satoshi Takata	Structural Countermeasure	• 4/17-24
Daisuke Fujita	Non-Structural Countermeasure	• 4/17-24
Motoyo Araki	DRRM Training Program	• 5/17-31
Keisuke Imada	Disaster Risk Assessment 2	• 6/22-30
Ai Shigematsu	Infrastructure Lifeline	• 6/26-30
Yuta Kurihara	Administrator/ Capacity Development/ DRRM Planning	• 3/20-4/13 • 6/26-30

(2) Assignment of Counterparts

From the Philippines Side, the Project Director and Project Manager are as follows.

- (a) Project Director: Usec. Raymundo B. Ferrer, Administrator of the Office of Civil Defense (OCD) and Executive Director of the National Disaster Risk Reduction and Management Council (NDRRMC)
- (b) Project Manager: - Dir. Susan G. Juangco, RN, MPH, Director of the Planning Development Planning Service of the Office of Civil Defense (PDPS-OCD)

There was a change from the Record of Discussions (hereinafter referred to as “R/D”) in November 19, 2021.

The list of counterparts from OCD is as follows.

Working Group	Leader	Members
WG 1 Disaster Risk Understanding and Information	Leader: Ms. Cheryl Loise T. Leal, DRGD-PDPS	Mr. Ryan Christopher Viado, RRMS Mr. Relan Jay Asuncion, OS Ms. Deniece Krizia Manding, OS Ms. Mary Grace Somido, OS Mr. Kenneth Menor, PDPS Mr. Marvin Arias, PDPS Mr. Raffy Z. Lucas, CBTS
WG 2 Local DRRM Planning	Leader: Ms. Ma. Cristina Lee, DDSD-PDPS	Mr. Manuel Nivera, CBTS Ms. Cheryl Loise T. Leal, PDPS Mr. Benito Salvador, Jr., PDPS Mr. Ryan Christopher Viado, RRMS Ms. Mary Ann Sarah Ulat, OS Mr. Renato Libunao, Jr., PDPS Mr. Paolo Jonas Alan, OS
WG 3 Monitoring and Evaluation	Leader: Ms. Raquel De Leon, PDPS	Ms. Leonila Dissanayake, RRMS Mr. Marvin Arias, PDPS Ms. Phoenicia Achaia Dela Merced, RRMS Ms. Hannah Grace Escamilla, CBTS Ms. Gia Mae Resaba, PDPS Ms. Grace Joice Ganes, CBTS Ms. Tanya Celina Cauntay, PDPS

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WG 4 Training and Replication	Ms. Lorelei Bendijo, CBTS	Mr. Relan Jay Asuncion (OS) Ms. Aimee Menguilla (OS) Mr. Alvin Geronimo (RRMS) Ms. Shereen Hombrebueno (CBTS) Mr. Julius Hontiveros (RRMS) Ms. Rose Ann Tierra (CBTS) Ms. Aurora dela Rosa (CBTS) Ms. Monique Raizza Jacob (PDPS) Ms. Hyacinth Jeaned Barros (PDPS) Mr. Mark Anthony Rana (PDPS)
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DRGD-PDPS: Disaster Risk Governance Division of the Division Policy Development and Planning Service
 DDSD-PDPS: DRRM Development and Standards of the Division Policy Development and Planning Service
 CBTS-TAD : Training and Advocacy Division of the Capacity-Building and Training Service
 RRMS : Rehabilitation and Recovery Management Service

Disaster Risk Reduction and Management Capacity Enhancement Project - Phase II (DRRM-CEP2)
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In addition, resulting from the Joint Working Group Meeting held on November 26, 2019, the following organizations were identified as Working Group members.

Organization		Related Working Group
CCC	Climate Change Commission	WG1: Disaster Risk Assessment WG2: LDRRMP Formulation
CHED	Commission on Higher Education	WG4: Training and Replication
CHED	Commission on Higher Education	WG4: Training and Replication
DBM-LGRCB	Local Government and Regional Coordination Bureau	WG3: Monitoring and Evaluation
DENR-CCS	Climate Change Service	WG2: LDRRMP Formulation
DENR-MGB / Geo Hazard Division	Mines and Geosciences Bureau	WG1: Disaster Risk Assessment
DENR-NAMRIA	National Mapping and Resource Information Authority	WG1: Disaster Risk Assessment
DENR-RBCO	River Basin Control Office	WG2: LDRRMP Formulation
DHSUD	Department of Human Settlements and Urban Development (Former HLURB)	WG2: LDRRMP Formulation
DILG-BLGD	Bureau of Local Government Development	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation
DILG-BLGS	Bureau of Local Government Supervision	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation
DILG-CODIX	Central Office Disaster Information Coordinating Center (CODIX)	WG2: LDRRMP Formulation
DILG-LGA	Local Government Academy	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation WG4: Training and Replication
DOH-HEMB	Health Emergency Management Bureau	WG2: LDRRMP Formulation
DOST-ASTI	Advanced Science and Technology Institute	WG1: Disaster Risk Assessment
DOST-PAGASA,	Philippine Atmospheric, Geophysical and Astronomical Services Administration	WG1: Disaster Risk Assessment
DOST-PHIVOLCS	Philippine Institute of Volcanology and Seismology	WG1: Disaster Risk Assessment
DPWH - BOM	Bureau of Maintenance	WG2: LDRRMP Formulation
DPWH – PS	Planning Division and PPP	WG2: LDRRMP Formulation
DRRNet-Philippines	-	WG2: LDRRMP Formulation WG4: Training and Replication
DSWD-DRMB	Disaster Response Management Bureau	WG2: LDRRMP Formulation
NEDA-RDG	Regional Development Group	WG3: Monitoring and Evaluation
PSA	Philippine Statistics Authority	WG1: Disaster Risk Assessment
ULAP	Union of Local Authorities of the Philippines	WG2: LDRRMP Formulation WG3: Monitoring and Evaluation WG4: Training and Replication

1.2 Progress of Activities

(1) Overall Project

[0-1] : Support to Conduct Joint Coordination Committee (JCC) Meetings and Progress Explanation

During the monitoring period, one JCC meeting was held as follows.

Date	Meeting Type	Main Subjects
February 4, 2022	2 nd JCC meeting	<ul style="list-style-type: none"> Project updates: Pilot Activities Status / Status if each Working Group Activities / Next Activity

[1-4] : Coordination with Selected Pilot LGUs in the Pilot Regions.

In the stage 2 of the pilot activity, 7 LGUs have been selected as shown below. Prior to the elections on June, these LGUs were aiming for pre-election coordination and preparation, as well as DLE implementation during elections. Some LGUs signed MOAs and started DLE as scheduled, on the other hand, some LGUs were delayed the progress of pilot activities, due to the typhoon Odette and the election campaign.

LGUs	Regions	Status (as of June, 2022)
Mabitac	Region 4A	<ul style="list-style-type: none"> The MOA has been signed. DEL briefing session was done on April 29.
Batangas	Region 4A	<ul style="list-style-type: none"> Waiting the signed MOA.
Bauan	Region 4A	<ul style="list-style-type: none"> The MOA has been signed. DEL briefing session was done on May 24.
Negros Oriental	Region 7	<ul style="list-style-type: none"> The MOA has been signed. DEL briefing session was done on May 23.
Dumaguete	Region 7	<ul style="list-style-type: none"> Waiting the signed MOA.
Batuan	Region 7	<ul style="list-style-type: none"> The MOA has been signed. DEL briefing session was done in June 6.
Davao	Region 9	<ul style="list-style-type: none"> Waiting the signed MOA.

(2) Output 1

[1-1] : Review the Current State of Hazard Assessment/Information and Identify Challenges

[1-2] : Review the Current State of Risk Assessment / Information and Identify Challenges

Based on the findings from 1st batch of pilot activity and documents review, the current situation of data, tools and procedures for understanding local disaster risks and selecting necessary DRR measures in the process of LDRRMP formulation and these major challenges were updated as shown by underline.

1. Available Data of Hazard, Exposure and Vulnerability Utilized for Understanding Local Disaster Risks and Identifying necessary DRR Measures

	Current Situation	Major Challenges
HAZARD	Hazard maps for major natural disasters such as earthquake, tsunami, volcanic eruption, flood, landslide and high tide, which every LGU throughout the country can refer to in the LDRRMP formulation, have been developed and updated by responsible NGAs and academic research institutes.	<u>The 2nd Batch of Pilot LGUs used hazard maps generated years back as their respective Development Plans (CLUP, CDP, PDPFP) were done 6 or 10 years ago. They are currently using the same set of hazard maps for their LDRRMP.</u> <u>Some LGUs contracted Consultants that generated their hazard maps. Most of the LGUs have not used any Disaster Risk Assessment for their LDRRMP. They have used historical accounts of disasters of the LGU.</u>
EXPOSURE	<u>Generally, the barangay-wise statistics (PSA) and land cover data (NAMRIA) are utilized for exposure database of CDRA by the Pilot LGUs by the 1st Batch of Pilot LGUs.</u>	<u>Using the current function of GeoRiskPh three exposure data (population, public schools and health facilities) can be provided. Most of the Pilot LGU who chose to use GeoRiskPh are finding the (three) exposure datasets 'too few' for them to have a comprehensive analysis of the disaster impacts for their LGU. They opted to include the exposure data that they have with them (affected agriculture products, bldgs. per type of use).</u>
VULNERABILITY	Vulnerability curves of buildings to seismic shaking, flood inundation and distractive wind (fragility curves of buildings to seismic shaking) have been developed in the GMMA-RAP (Risk Analysis project for Great Metro Mania Area) based on the historical records of past disasters and, experiences and considerations from experts in the country.	The fragility and vulnerability curves produced under GMMA-RAP is only adapted for the evaluation of a population of buildings (not for the evaluation of an individual building.) The UP-ICE is now working with PAGASA for the severe wind impact assessment.

2. Outputs of DRA in Existing LDRRMPs

Current Situation	Major Challenges
It is observed that the results of Disaster Risk Profiles are not translated or integrated in the LGU's identified goals, outcomes in the current LDRRMPs. DRA has not been utilized for identification and prioritization of DRRM measures in the process of formulating LDRRMPs yet.	It is also important as local planning to harmonize CDP and CLUP and LDRRMP. The result of DRA conducted for formulation of CDP and CLUP should be reflected to LDRRMP as much as possible.

[1-3] : Consider Risk Assessment Methods so that Disaster-Related Officials (DRRM Officials) can Understand Local Disaster Risks and Realize Disaster Risk Reduction through Countermeasures.

Revision of the DLE procedure for LDRRMP formulation:

The DLE procedure was revised based on the findings from 1st stage of the pilot activity and suggestions from NGAs (OCD, DILG, DHSUD, DOST-PAGASA, PHIVOLCS, MGB and others). The major points of amendments of the DLE procedure was confirmed in the 4th TWG meeting on 4th April 2022. Then, the draft of the Technical Guidebook on Damages and Losses Evaluation (DLE) for LDRRMP formulation was approved in the said TWG as the third draft.

Date	Topic / Agencies and Organizations	Main subjects
January 27, 2022	Internal Meeting with OCD WG1 members	<ul style="list-style-type: none"> • Presentation on the revisions done on Version 3 of DLE:
March 4, 2022	Internal Meeting with OCD WG1 members	<ul style="list-style-type: none"> • Additional discussion on revisions done on Version 3 of DLE:
March 30, 2022	Internal Meeting with OCD WG1 members	<ul style="list-style-type: none"> • Additional discussion on revisions done on Version 3 of DLE:
April 1, 2022	Meeting with Dr. Solidum And other officials from PHIVOLCS	<ul style="list-style-type: none"> • Discuss the use of GeoRiskPh and REDAS as basic tools of the DLE for LDRRMP and RDRRMP formulation
Apr. 4, 2022	4 th TWG Meeting	<ul style="list-style-type: none"> • Discussion on the amendment of the DLE procedure. • Confirmation of revision of the draft technical guidebook

Findings from 2nd batch of the pilot activity:

In the 2nd batch of the pilot activity, some unique actions from GLUs were observed as below.

- Some LGUs tried to utilize their own exposure data like agricultural land and/or products, building per actual use (i.e residential, commercial) generated and used by the different offices of the LGU separately from data provided by GeoRiskPh.
- Some LGUs decided to refer their own generated boundary maps which is different from the topographic maps generated by NGAs in terms of reflecting the actual 'political boundaries' of the LGU.
- Some LGUs realized that the hazard maps which were used for formulation of their current local plans was not updated and tried to find a way to get the latest one.

The WG1 members should consider these observations for further updating the DLE procedure. Because a lot of LGUs may face same concerns when they will get on to formulate or update their own LDRRMP.

Preparation of the DLE procedure for Regional DRRMP formulation

It was confirmed that the city/municipality-wise result of GeoRiskPh (i.e. number of affected population, number of affected facilities) is mainly utilized for RDRRMP formulation. As the DLE

result of Earthquake Shaking, the result of REDAS SHAKE provided by PHIVOLCS will be adapted in the RDRRMP formation.

[1-5] : Support the Review of Risk Information in the Pilot Areas based on the Existing Hazard / Risk Assessment by Using the Risk Assessment Methods considered in [1-3].

Review of the documents provided by 2nd Batch of the Pilot LGUs:

The JICA Expert Team reviewed the data and documents related to DLE from PDRRMO of Batangas and MDRRMO of Mabitac and Batuan respectively. Batangas used Vulnerability and Risk Assessment Tool. Mabitac and Batuan used map overlay analysis and historical damage reports.

Support of the implementation of the DLE process by 2nd Batch of the Pilot LGUs:

The WG1 members conducted the Briefing Session with the 2nd Batch of Pilot LGUs except Davao City. The Briefing Sessions were done per Pilot LGU as most of the LGUs were busy with election activities that was held in May 2022. The Briefing Session presented and discussed the 6-Steps of the DLE and were done either online or face to face depending on the strength of the internet signal of the Pilot LGU. After the conduct of the Briefing Sessions for the Pilot LGUs, follow-up meetings were conducted to help them in accomplishing their homework for the 6-Steps DLE process. But the pilot activity in some LGUs had been delayed because MOA signing takes a lot of time due to pre- and post-election concerns.

Date	Topic / Agencies and Organizations	Main subjects
March 23, 2022	Site visit and initial Meeting with LGU Bauan	<ul style="list-style-type: none"> Initial interview on available data and documents on DRA
March 31, 2022	Site visit and initial Meeting with LGU Mabitac	<ul style="list-style-type: none"> Initial interview on available data and documents on DRA
April 6, 2022	Initial Meeting with LGU Dumaguete	<ul style="list-style-type: none"> Initial interview on available data and documents on DRA
April 6, 2022	Initial Meeting with LGU Batuan	<ul style="list-style-type: none"> Initial interview on available data and documents on DRA
April 7, 2022	Initial Meeting with LGU Mabitac MPDO	<ul style="list-style-type: none"> Additional discussion on the LGU capacity and capability for DRA/DLE
April 29, 2022	DLE Briefing Session: Mabitac	<ul style="list-style-type: none"> Presentation and discussion on the 6-Steps of the DLE
May 12, 2022	Follow up Mtg: Mabitac	<ul style="list-style-type: none"> Clarification on the Self-Assessment Matrix and Steps 4-6
May 23, 2022	DLE Briefing Session: Negros Or.	<ul style="list-style-type: none"> Presentation and discussion on the 6-Steps of the DLE
May 24, 2022	DLE Briefing Session: Bauan	<ul style="list-style-type: none"> Presentation and discussion on the 6-Steps of the DLE
May 26, 2022	Follow up Mtg: Mabitac	<ul style="list-style-type: none"> Clarification on the data to be included in the Form 1C using GeoRiskPh exposure data and LGU generated exposure data
June 6, 2022	DLE Briefing Session: Batuan	<ul style="list-style-type: none"> Presentation and discussion on the 6-Steps of the DLE
June 16, 2022	Follow up Mtg: Mabitac	<ul style="list-style-type: none"> Clarification on the Form 1C and assumptions made by LGU

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Date	Topic / Agencies and Organizations	Main subjects
June 24, 2022	1st workshop: Mabitac	<ul style="list-style-type: none"> Consolidation of all exposure data collected from GeoRiskPh and LGU Offices (MAO, MPDC, Assessors and Engineering Office)
June 27, 2022	Follow up Mtg: Bauan	<ul style="list-style-type: none"> Follow up on the progress of CDRA that they will use for the DLE.
June 27, 2022	Short Mtg: Batangas	<ul style="list-style-type: none"> Initial discussion on the DRA used in the PDRRMP and capacity of the LGU for DRA
July 5, 2022	Follow up Mtg: Batuan	<ul style="list-style-type: none"> Clarification on the data to be included in the Form 1C using GeoRiskPh exposure data and LGU generated exposure data
July 6, 2022	Briefing Session: Dumaguete	<ul style="list-style-type: none"> Presentation and discussion on the 6-Steps of the DLE

[1-6] : Develop Draft Guidelines for Reviewing Hazard / Risk Information.

The JICA Expert Team updated the second draft of the Technical Guidebook on Damages and Losses Evaluation (DLE) for LDRRMP formulation based on the findings from 1st stage of the pilot activity and suggestions about improving usability of the guidebook from NGAs. Then, the third draft was approved in the 4th TWG meeting on 4th April 2022 after the major revisions of the second draft were confirmed one by one by the WG1 members.

The fourth draft will be prepared in consideration of further recommendations and suggestions provided by NGAs and LGUs through the 2nd stage of the pilot activity. And also, the fourth draft will represent the different approaches that can help other LGUs with similar capacity to easily understand and work on their respective DLE process. The fourth draft of the guidebook will be used for the roll out activity of the OCD.

The Technical Guidebook on DLE for RDRRMP formulation was drafted in June 2022. But after the discussion about the possible method of DLE and the intended use of its result in the planning stage of RDRRMP, finally it was decided that the part of DLE implementation would be integrated in the RDRRMP formulation guidebook.

(3) Output 2

[2-1] : Review the Current Status of RDRRMPs/LDRRMPs and Identify Challenges

A series of consultation meetings with OCD Central and Regional counterparts, and related national government agencies were held to obtain inputs and recommendations for the enhanced LDRRMP Guidebook.

Date		Milestones
Local DRRM Plan Formulation Guidebook		
01 Dec 2020	Presentation of LDRRMP Version 0 to Cluster 1 NGAs	<ul style="list-style-type: none"> Obtained comments and recommendations
03 Mar/	Consultation	<ul style="list-style-type: none"> Obtained Inputs for structural DRRM measures (standards,

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Date		Milestones
Local DRRM Plan Formulation Guidebook		
09 Oct/ 09 Dec 2020; 04 Feb 2021	meeting with DPWH	costing, policies)
15 January 2021	Presentation of LDRRMP Version 0 to Cluster 2 NGAs	<ul style="list-style-type: none"> • Obtained comments and recommendations
1 Feb 2021	Meeting with NEDA	<ul style="list-style-type: none"> • Discussed the M and E process flow of NEDA vis-à-vis M an E stage of LDRRMP guidebook version 0
11 Feb 2021	Meeting with DHSUD	<ul style="list-style-type: none"> • Presented Land Use Planning and DRRM – Japan Experience • Discussed possible alignment process and entry of CLUP and LDRRMP • Presented JICA-DRRMCEP2 Project updates • DHSUD shared updates on simplification of CDRA and updating of CLUP-DRRM CCA guidebook
March to April 2021	1st LDRRMP Guidebook revision	<ul style="list-style-type: none"> • Integrated applicable comments and recommendations in LDRRMP Guidebook
5 April 2021	Presented revision on LDRRMP Guidebook Ver 0	<ul style="list-style-type: none"> • Presented consolidated revisions based on inputs of OCDR and WG2 NGAs • Obtained additional inputs from OCD WG 2 members
April to Mid-June 2021	2 nd LDRRMP Guidebook revision	<ul style="list-style-type: none"> • Completed LDRRMP Guidebook Version 1
July to December 2021	LDRRMP Formulation Guidebook Pilot Testing	<ul style="list-style-type: none"> • Completed online lecture sessions and exercises on the 5 stages of the LDRRMP Formulation Guidebook for the 4 pilot LGUs under stage <ul style="list-style-type: none"> ✓ City of Calamba, Laguna ✓ Municipality of Tubigon, Bohol ✓ Province of Bohol ✓ Province of Laguna
22 October 2021	WG 2 Meeting	<ul style="list-style-type: none"> • Presented Initial Observations and Learnings from the Stage 1 Pilot Testing • Obtained recommendations for LDRRMP Version 2
23 November 2021	Presented LDRRMP Formulation Guidebook to NDRRMC NGAs	<ul style="list-style-type: none"> • Drafted LDRRMP Version 2 based on the initial observations and learnings from the LDRRMP Formulation Guidebook Pilot-testing and recommendations of the NGAs • Highlighted salient features of the LDRRMP Formulation Guidebook <ul style="list-style-type: none"> ✓ Reflecting International and National trends on DRRM; ✓ Harmonizing Higher and Local Policies and Plans related to sustainable development (PDPFP, CLUP, CDP, LCCAP, etc.); ✓ Setting Long-Term DRRM Targets not limited to the period of the Plan; ✓ Justifying / anticipating how Residual Risks may change in the future with the implementation of the Plan; ✓ Promoting the synergy between LGUs, NGAs, Private, Academe and other Stakeholders.
January to April 2022	Provided continuous technical	<ul style="list-style-type: none"> • Continuation of remaining outputs for the Local DRRM Planning for the completion of the updated LDRRMP

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Date		Milestones
Local DRRM Plan Formulation Guidebook		
	assistance to stage 1 Pilot LGUs	
May 2022	3 rd LDRRMP Guidebook revision	Drafted LDRRMP Guidebook Version 3 Major highlights include: <ul style="list-style-type: none"> • Additional membership in the Local DRRM Planning Team (i.e., offices such tourism, NCIP, NCDA, vulnerable sectors such IPs, PWDs, etc.) • Reviewing of related plans such River Basin Master Plan, GAD, etc. • Alignment process with the outcomes and indicators of the NDRRMP
Regional DRRM Planning Guidebook		
March to April 2022	Consultation Meeting with the OCDROs and NGAs	<ul style="list-style-type: none"> • Presented initial outline of RDRRMP GB Ver.0 • Obtained comments and recommendations from OCDROs and NGAs through 1st vetting
May 2022		<ul style="list-style-type: none"> • Drafted RDRRMP GB Version 1
June 2022	Revision of RDRRMP GB Version 1	<ul style="list-style-type: none"> • TWG Workshop: Development of the RDRRMP Formulation Guidebook • Drafted RDRRMP GB Version 2

In the enhanced LDRRMP guidebook, some of the issues in the baseline study were addressed by:

1. Providing process on the alignment of Low vertical and horizontal linkage with other related plans;
2. Developing criteria in prioritizing DRRM measures to establish short-medium-long term targets;
3. Expanding sources of budget for DRRM Measures (e.g., NGAs, other LGU sources such as GAD, General funds, etc.)

[2-2] : Consider DRRM Countermeasures based on Disaster Risk Information / Consider the Options of Disaster Risk Reduction Measures to Reduce Human Casualties and Economic Losses based on Disaster Risk Information that should be implemented at each level of Governance (Nation, Region, Province, City and Municipality).

The LGUs under the stage 1 pilot testing have identified necessary structural and non-structural measures based on their disaster risk assessment. The DRRM measures corresponds to per hazard and elements at risk, and classified under prevention and mitigation, preparedness, response and early recovery, and rehabilitation.

In case of the City of Calamba and Municipality of Tubigon, both LGUs have prioritized DRRM measures in the high susceptible areas based on their respective short-term targets. On the other hand, the Province of Laguna has identified DRRM measures in support to the reduction of risks of their component cities and municipalities. Augmentation of resources and bridging

to the NGAs, particularly for structural measures were identified to enhance capacity of its LGUs especially those lacking resources and high-risk areas.

Japanese expert team members visited Municipality of Bauan and Municipality of Mabitac in April 2022 while Municipality of Batuan, City of Dumaguete and Province of Bohol in July for the site visit and interviews. They also visited DPWH headquarters, DPWH Region IV-A office, DPWH Laguna 1st district engineering offices and Batangas 3rd district engineering office in April and Bohol 3rd district engineering office in July. Basic information on the structure/non-structure measures, past disaster, disaster-prone areas, DRRM related studies, on-going and planned disaster mitigation projects were gathered as input to the LDRRMP Guidebook. In addition, general discussions on human-induced hazards, pandemic were held. As possible, general explanations or tips will be included in the guidebook.

[2-3] : Support the Formulation of RDRRMPs/LDRRMPs in the Pilot Areas based on the Risk Assessment Conducted in [1-5].

The 1st stage of the LDRRMP formulation pilot testing was conducted from July to December 2021. Online lectures were utilized as well as minimal face to face workshop for the forms needed for the LDRRMP. The City of Calamba, Municipality of Tubigon, Provinces of Laguna, and Bohol are updating their respective LDRRMP with the support of OCD and Japanese Expert Team. Additional workshops were undertaken by Calamba City and Laguna Province under the leadership of their respective LDRRMOs and Local Planning and Development Office.

In addition to the online sessions, face-to-face workshop were held in March 2022 (Calamba City and Laguna Province) and April (Bohol Province) in order to deepen the understanding on the outputs targeted by the Project and consolidate the Forms.

Note: Due to the impacts of Typhoon Odette which occur in December 2021, the communication with the Pilot LGUs in Region 7 was limited until March 2022. In addition, due to the raise of COVID cases in Region 4A from January 2021, the activities were suspended in Laguna Province and Calamba City until March 2022.

In order to fasten the formulation/updates of LDRRMPs in the Pilot LGUs, additional workshop sessions are planned to be held in July-August 2022 to finalize the forms needed to update the LDRRMPs (tentative date for the presentation to each Sanggunyan is September 2022).

[2-4] : Review the Related Local Plans such as CDP, CLUP and LCCAP, and Support Adjustment of RDRRMPs/LDRRMPs in the pilot areas.

Analysis of the related local plans of the stage 2 pilot LGUS with MOA and data collected (i.e., Batuan and Mabitac).

[2-5] : Develop Draft Guidelines for the Formulation and Revision of RDRRMPs/LDRRMPs.

The Local DRRM Plan guidebook version 3 was drafted integrating the following:

- Learnings and observations from the stage 1 pilot testing

- Recommendations of the Planning Team Members of the LGU (Stage 1)
- Recommendations from OCD and NGA partners

The Regional DRRM Plan guidebook was drafted based on the series of consultations with OCD and NGAs. Currently, the guidebook version 3 is disseminated to the OCD before the pilot testing in latter part of August 2022.

(4) Output 3

[3-1] : Review the Current State of OCD’s Information Management on RDRRMPs/LDRRMPs and Identify Challenges.

While the LDRRMPs of the selected LGUs in Region IVA and VII were reviewed, there is a need to review new set of LDRRMPs across the Philippines. A set of sampling criteria is being developed to systematically review the LDRRMPs. Furthermore, new policies are being considered such as the Gawad Seal and Updated NDRRMP 2020-2030.

Date		Milestones
28 Jan 2021	WG 3 Meeting	Presented project updates and directions Discussed initial criteria for sampling of LGUs for LDRRMP review
11 Feb 2021	WG 3 Meeting	OCD-PDPS presented the Gawag Kalasag Seal features and checklist (in line with the M and E)
March 2021 to present	Ongoing review of RDRRMPs	Initial summary of contents

[3-2] : Consider OCD’s Information Management, Monitoring and Evaluation System and Methods for the Formulation, Revision and Implementation of RDRRMPs/LDRRMPs.

Date		Milestones
March to May 2022	Review of M&E related documents (National level, M&E study by OCD and UNDP, etc.)	<ul style="list-style-type: none"> • Drafted Finding and Recommendations for the Appraisal Report • Outline of the LDRRMP M&E
June 2022	Presentation of Appraisal Report to OCD	<ul style="list-style-type: none"> • Obtained recommendations on the contents of LDRRMP M&E

The development of the LDRRMP M&E guidebook were anchored on the following areas:

1. Content

- Adheres to guiding principles (NDRRMP) and uphold results orientation among users – in line with government direction
- Provide guidance whenever applicable (through standard and universally-accepted frameworks and guidelines/approaches/templates provided by existing policies and frameworks) thereby addressing concerns and findings from the assessment

- Impress upon the users not only that M&E is necessary but also helpful for implementers
2. Alignment with NDRRMP M&E Plan
- Key frameworks, principles and elements of the NDRRMP M&E Plan will be considered
 - Roles, tools and templates and M&E directions will be adopted and localized.
 - General M&E standards and reference to NDRRMP and LDRRMPs will be adopted for consistency and harmonization (definitions, tools, processes)
3. Tone and Style
- Consistent with LDRRMP Formulation Guidebook
 - With examples, illustrations and will be simplified and readable

(5) Output 4

[4-1] : Review the Current State of DRRM Training including Construction of the NDRRM Training Institute and Identify Challenges.

The CBTS is conducting review of its curriculum, updating, as necessary, its existing blended/online training courses.

The NDRRMTRI was provisionally activated on 30 September 2021 and is now focusing on the following tasks (based on OCD Memorandum 635, s. 2021):

1. Formulate and development-relevant policies, guidelines and procedures for the full operationalization of the NDRRM TRI, such as not just curriculum framework, but also manual of operations, accreditation manual, and policy on the provision of capacity building activities and educations as well as its certifications;
2. Identify programs, activities and courses to be provided by the NDRRM TRI through the conduct of Training Needs Analysis and ensure its responsiveness to the needs of the stakeholders;
3. Identify academic institutions as well as government and non-government agencies/ organizations that are currently offering/ conducting DRRM-related courses/ training/ education in order to have a data bank of all DRRM capacity buildings and assess how these institutions and agencies will aid in the crafting accreditation guidelines;
4. Identify areas of researching to be conducted by the NDRRM TRI and how relevant agencies and organizations such as the National Defense College among others, are able to collaborate to implement the priority agendas;
5. Review and standardize DRRM education and training/formal courses; and
6. Attend meetings, workshops and, or seminars relevant to the activity.

Interim NDRRMTRI has been fully activated on 14th June, 2022 (based on OCD Office Order

082, s. 2022). In the above-mentioned memorandum, all functions of the Capacity Building and Training Service (CBTS) will be takeover to the NDRRMTRI, for example, the processes and initiatives, training and research-related funds (except COS funds), Curriculum Development and Training Division. CBTS has also been renamed Preparedness Management Service (PMS). Due to the takeover the ongoing transition of the new OCD administration, OCD-PDPS has not yet updated the membership of Working Group 4.

[4-2] : Consider the draft training structure for regions and LGUs.

“Observation Sheet” was prepared for participating WG4 members to take note of training-related concerns during the DLE and LDRMP guidebooks’ pilot testing activities.

From October 2021, since most of all the members of WG 4 had been changed, takeover of all activities and results is being done by new members.

To help in planning for the roll out or the training component of this project, the new members of Working Group 4 who are available are attending some of the pilot activities with the objective of understanding the planning contents, suggestion points for the guidebooks, and observation for the response. The goal is to send representatives to these pilot activities; however, this has posed a challenge considering the hectic schedules of the WG4 members who are doing multi-tasking in their respective offices.

But this did not stop the members to attend, when they can, as observers to the pilot testing sessions held for Laguna, Calamba, Bohol, and Tubigon.

Date		Milestones
Aug. 16	Inter WG meeting	<ul style="list-style-type: none"> • Presentation of the activities of WG4
Oct. 1, 2021	Takeover the Activities of WG4	<ul style="list-style-type: none"> • Introduction of the new members • Explain the outline of the activities of DIMCEP 2 and WG4
Oct. 15, 2021	Preparation for counterpart meeting	<ul style="list-style-type: none"> • Confirm the new members • Grasp the further meeting schedule • Confirm the forms for the observation for Gide book and Pilot testing • Confirm the schedule of Pilot testing • Discussion on activities of WG4
Nov. 4, 2021	Preparation for counterpart meeting	<ul style="list-style-type: none"> • Confirm the presentation for Counterpart meeting • Confirm the next activities
Nov. 5, 2021	Counterpart meeting	<ul style="list-style-type: none"> • Present the activities of WG4 and findings of observation of Guidebook and Pilot testing
Nov. 15, 2021	Team meeting	<ul style="list-style-type: none"> • Sharing the result of observation • Discussion of the point to be suggested
Nov. 26, 2021	Team meeting	<ul style="list-style-type: none"> • Detailed explanation of the output which had been done by previous members.
Dec. 9 th	Counterpart meeting	<ul style="list-style-type: none"> • Presented the activities of WG4 and findings of observation of Guidebook and Pilot testing

**Disaster Risk Reduction and Management Capacity Enhancement Project - Phase II (DRRM-CEP2)
MONITORING SHEET SUMMARY**

Following is the attendance result of the WG4 members for Pilot Activities Stage 1.

Activity	Region IV-A		Region VII	
	Laguna P	Calamba C	Bohol P	Tubigon M
DRA / DLE Lecture	1	1	2	1
LDRRMP Lecture 1	3	2	1	1
LDRRMP Lecture 2	1	1	1	1
LDRRMP Lecture 3	1	2	6	1
LDRRMP Lecture 4	1	1	1	1
LDRRMP Lecture 5	1	1	1	-
LDRRMP Lecture 6	1	1	1	1

In 2022, Pilot Activities Stage 2 have been started. WG4 members have prepared the observation sheets for all activities to make clear the participants. By attending to the other WG-related meetings, WG4 members accumulate the key points and difficult points of formulating R/LDRRMP, and share the knowledge among WG4 members. It will be utilized to proceed the formulating of R/LDRRMP smoothly during the nationwide dissemination processes in the future.

Following table is the attendance situation of the WG4 members for Pilot Activities Stage 2.

Activity	Region IV-A			Region VII			RegionXI
	Mabitac	Batangas	Bauan	Batuan	Negros Oriental	Dumaguete	Davao
DLE briefing session	3 (online)		4 (online)	6 (online)	2 (online)	1 (online)	
Follow-up mtg	7 (hybrid) In total and Conducted 3 times			1 (online)			
1 st DLE workshop	1 (F2F)						
Follow-up mtg							
2 nd DLE workshop							
Follow-up mtg							

**Note: Meeting was conducted online or face to face (F2F) and some meeting where members from WG4 attended both online and F2F is mentioned hybrid*

For the activity of the observation, WG team meeting was conducted as follows:

Date	Activity	Milestones
January 18, 2022	Small group meeting	<ul style="list-style-type: none"> • Discussion for InterWG progress
May 02, 2022	WG4 team meeting	<ul style="list-style-type: none"> • Confirmation of attendance of DLE observation • Confirmation of the activities of WG4 and Schedule
May 10, 2022	Briefing from WG 1 and WG2	<ul style="list-style-type: none"> • Update the schedule for DLE observation • Assign of the observation • Re-confirmation of the WG4 activities • Update of the activities and schedule for the activities
May 20, 2022	WG4 team meeting	<ul style="list-style-type: none"> • Confirm the new members • Confirm the forms for the observation for Gide book and Pilot testing • Confirm the schedule of Pilot testing

Date	Activity	Milestones
June 02, 2022	WG4 team meeting	<ul style="list-style-type: none"> • Discussion of WG4 stage 2 pilot-testing observation Sheet
June 06-10, 2022	Observation to OCD RO 9 LDRRMP blended training	<ul style="list-style-type: none"> • Listing up of observation points for training; attended by 3 WG4 members

As for the training structure, we have compared the contents of current DRRMPFT and our DLE procedure and LDRRM formulation guidebooks. We discussed several enhancement points of our guidebooks and the room for improvement.

Date	Activity	Milestones
May 11, 2022	WG4 team meeting	<ul style="list-style-type: none"> • Review of current LDRRMP training course by CBTS personnel Cherry Madrideo to WG4
May 20, 2022	WG4 team meeting	<ul style="list-style-type: none"> • Explanation session of outline on LDRRMP FT • Comparison with Guidebook and LDRRM FT items
June 02, 2022	WG4 team meeting	<ul style="list-style-type: none"> • Briefing for members who are not yet as familiar (Doms as informal member), WG4-PDPS member facilitated the meeting.
June 09, 2022	Initial internal meeting with TRI	<ul style="list-style-type: none"> • Confirmation of the NDRRMTRI status.
June 09, 2022	Participation to WG3 presentation of the M&E	<ul style="list-style-type: none"> • Observation of the activity of WG3
June 20, 2022	WG 2-3 presentation to WG4 the draft outlines	<ul style="list-style-type: none"> • WG4 members attended the briefing of draft guidebook outlines

[4-3] : Based on the guidebooks developed in 1-6, 2-5 and 3-3, develop draft training programs and modules for regions and LGUs.

WG4 members had some sessions to understand the contents of guidebooks which were prepared in 1-6, and 2-5, and simultaneously, had discussions to compare the contents of existing training courses. Then WG4 members had listed up the enhancement points of the current training programs.

2. Delay of Work Schedule and/or Problems (If any)

2.1 Details

(June, 2022)

Stage 1 pilot activities were supposed to be finished June 2022 according to the original schedule. However, pilot LGUs are now still under the pilot activities and are not finished yet as of June 2022. The main reason of its delay was the pandemic of COVID-19 of world wide scale started in 2020. An unexpected situation forced us to proceed the project unprecedented way. While it was easy to coordinate participants for online WSs, the communication difficulties were big obstacles to proceed the pilot activities as schedules sometimes. Besides that, the typhoon

Odette had come over the Philippines and remained severe damages especially in the Bohol province, one of our pilot cities/municipalities. Administrative confusion and breaking the internet environment are remained as problems still now. Furthermore, the national election was held on June in the Philippines. We needed to suspend all activities during this period.

Same reasons above mentioned are also explanations for the delay of Stage 2 pilot activities. Some LGUs, such as Mabitac municipality and Batuan Municipality, were coordinated and started proceeding the DLE process before the election periods. And also, Bauan and Davao cities are now waiting their signed MOA, and then DLE process will be held soon after the signed MOAs are prepared. On the other hand, those LGUs whose governors were changed by the election are now busy for the administrative handover and etc. We are waiting their response, and it causes delay the Stage 2 pilot activities.

(December, 2020)

On-site activities are suspended from March 2019 due to COVID-19 Situation, and some activities are on delay due to the difficulties to consult and coordinate related agencies under Response Operations against COVID-19.

In addition to COVID-19, the Philippines were affected by a series of natural disasters activating the response operations of N/RDRRMC members and LGUs.

Due to the occurrence of such events affecting both Japanese and Philippines sides, the overall project schedule was revised.

2.2 Cause

Written in 2.1.

2.3 Actions to be taken

(June, 2022)

As for the 4 LGUs in the Stage 1 pilot activities, the finalization of LDRRMP will be followed up soon as the disaster response to the typhoon and the post-election system are once settled.

As for the 7 LGUs is in the Stage 2 pilot activities, DLE activity shall start from the LGUs who have already signed the MOA. For the other LGUs, coordination will be begun soon as the disaster response to the typhoon and the post-election system are once settled.

The progress of WSs through these difficult circumstances, the pandemic of COVID-19 and the midst of disaster, will be utilized as a good example in the future when dealing with various similar difficulties that may occur in the Philippines. Since the project period is limited, we need to have dense communication with OCD about how to proceed the Stage 2 pilot activities.

(December, 2020)

In order to ensure the continuity of the Project Activities under such circumstances, the continuous coordination between Japanese Experts, Officials from OCD and other related

organizations is fundamental. The switching from on-site (face to face) basis to remote-basis of some activities including consultation meetings are already done.

Regarding the preparation of pilot activities, the Central Office and Regional Offices of OCD, Target LGUs and JICA Expert Team are coordinating closely and are looking for the most effective method of conducting pilot activities utilizing remote activities under this COVID-19 situation.

2.4 Roles of responsible Persons/Organization (JICA, Government of the Philippines, etc.)

N/A

3. Modification of the Project Implementation Plan

3.1 Plan of Operation (PO)

(April, 2021)

Due to the circumstances explained in 2.1, the overall schedule (including the addition of those to be conducted remotely) was revised. 8 months delay was confirmed by the both parties and the project period was revised from “2019-2024 (60 months)” to “October 2019 - May 2025 (68 months)” by the minutes of meeting for amendment of record of discussions.

(December, 2020)

Due to the circumstances explained in 2.1, the overall schedule (including the addition of those to be conducted remotely) will be revised once the situation become clearer.

3.2 Other Modifications on Detailed Implementation Plan

(April, 2021)

In addition to the amendment of project period, the pilot area, the project manager, the leaders of WGs, the list of related organizations and list of Japanese experts, and the wording in the record of discussions signed on August 6, 2019 was amended by the minutes of meeting for amendment of record of discussions dated on November 16, 2021.

(December, 2020)

The Change of the proposed Project Manager from the Philippines Side need to be reflected into the R/D and PDM (title of the project, duration, project site(s), target group(s), implementation structure, overall goal, project purpose, outputs, activities, and input).

4. Preparation of the Government of the Philippines toward after the Completion of the Project

N/A

II. PROJECT MONITORING SHEETS I & II

As Attached

Project Monitoring Sheet | (Revision of Project Design Matrix)

Version 4
Dated August 25, 2022

Project Title: Disaster Risk Reduction and Management Capacity Enhancement Project Phase II
Implementing Agency: Office of Civil Defense
Targeting: OCD Headquarters and Regional Offices and local disaster-related officials centered upon RDRRMC and LDRRMC in the pilot areas
Period of Project: October 2019 to May 2023 (60 months)
Project Sites: OCD Headquarters
Pilot regions: Region IV-A and Region VII
Pilot LGUs: Davao City and Pilot LGUs in the pilot regions will be selected in 1-4.

Overall Goal	Narrative Summary	Objectively Verifiable Indicators	Means of Verification	Important Assumption	Achievement	Remarks
<p>Project Purpose Planning, implementation and monitoring system of RDRRMs/LDRRMs is developed for the purpose of reducing disaster human casualties and economic losses with the necessary technical support by National DRRM system centered upon NDRRMC.</p>	<p>Overall Goal The project outcome is replicated in the Philippines for the purpose of reducing disaster human casualties and economic losses under NDRRMC's initiative.</p>	<p>1 Based on the indicators for Output 1 and Output 2, regions and LGUs formulate, implement, and monitor RDRRMs/LDRRMs. 2 Based on the indicators for Output 3, information management, monitoring and information management, monitoring and evaluation of RDRRMs/LDRRMs. 3 Based on the indicators for Output 4, training for regions and LGUs is implemented.</p>	<p>1 OCD Annual Report, RDRRMs/LDRRMs, Questionnaires for OCD and RDRRMs. Interviews with OCD and RDRRMs. 2 OCD Annual Report, stored information, stored monitoring and information management, monitoring and evaluation of RDRRMs/LDRRMs. 3 OCD Annual Report, Questionnaires for OCD and RDRRMs. Interviews with OCD and RDRRMs.</p>	<p>National DRRM policies do not change. The project outcome (plans, guidebooks, and systems developed by the project) is endorsed/approved by NDRRMC.</p>	<p><1-1> Draft DRRM Technical Guidebook, version 2.0 was revised by the WG1 member agencies. The version 3.0 will be prepared before the start of 2nd batch of Pilot Activities. <1-2> The WG1 conducted the One-day Workshop on Disaster Risk Assessment with NGAs who are members of WG1 in July 30 (Laguna, Clamba), August 10 (Tubigon) and August 11 (Bohol). <2-1> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <3-1> The Regional DRRM Plan guidebook was drafted based on the series of consultations with OCD and NGAs. Currently, the series of consultations with OCD and NGAs. Currently, the series of consultations with OCD and NGAs. Currently, the series of consultations with OCD and NGAs. <4-1> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <4-2> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <4-3> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <4-4> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <4-5> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <4-6> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <4-7> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <4-8> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <4-9> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <4-10> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing.</p>	<p><1-1> It is decided that the part of DLE implementation would be integrated in the RDRRMP formulation guidebook. <2-1> The Draft Guidebook Version 2 is being revised to Version 3 based on the additional comments of OCD and NGAs. <3-1> An appraisal report was completed as one of the basis for the development of LDRRMP/M&E guidebook. <4-1> Concrete contents of the programs and modules will be considered in collaboration with Outputs 1, 2 and 3.</p>
<p>Output 1: User friendly information use and risk assessment are developed so that disaster-related officials centered upon RDRRMC and LDRRMC can understand local disaster risks and realize disaster risk reduction through countermeasures.</p>	<p>1-1 User friendly guidebooks for regional/local risk hazard information use and risk reduction through countermeasures. 1-2 Regional/local disaster-related officials in the pilot areas realize disaster risk reduction through countermeasures.</p>	<p>1-1 Guidebooks, questionnaires for the users and their trainers, interviews with the users and their trainers 1-2 Questionnaires for the regional/local disaster-related officials and their trainers, interviews with OCD and Japanese experts</p>	<p>1-1 Training implementation plan developed in 4-6, quality and number of trainers, questionnaires for OCD, interviews with Japanese experts 2 Questionnaires for OCD and related agencies in the pilot areas. Interviews with OCD and related agencies in the pilot areas</p>	<p>National DRRM policies do not change. National DRRM mechanism does not change drastically. Even if organizational changes affect OCD, new organization that takes over current OCD's roles and responsibilities agrees to continue the project.</p>	<p><1-1> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <1-2> The Regional DRRM Plan guidebook was drafted based on the series of consultations with OCD and NGAs. Currently, the series of consultations with OCD and NGAs. Currently, the series of consultations with OCD and NGAs. <2-1> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-2> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-3> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-4> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-5> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-6> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-7> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-8> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-9> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-10> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing.</p>	<p><1-1> It is decided that the part of DLE implementation would be integrated in the RDRRMP formulation guidebook. <2-1> The Draft Guidebook Version 2 is being revised to Version 3 based on the additional comments of OCD and NGAs. <3-1> An appraisal report was completed as one of the basis for the development of LDRRMP/M&E guidebook. <4-1> Concrete contents of the programs and modules will be considered in collaboration with Outputs 1, 2 and 3.</p>
<p>Output 2: Guidebooks for the formulation of RDRRMs/LDRRMs based on disaster human casualties and economic losses.</p>	<p>2-1 User friendly guidebooks for the formulation and revision of RDRRMs/LDRRMs are developed.</p>	<p>2-1 Guidebooks, questionnaires for the users and their trainers, interviews with the users and their trainers</p>	<p>2-1 Training implementation plan developed in 4-6, quality and number of trainers, questionnaires for OCD, interviews with Japanese experts 2 Questionnaires for OCD and related agencies in the pilot areas. Interviews with OCD and related agencies in the pilot areas</p>	<p>National DRRM policies do not change. National DRRM mechanism does not change drastically. Even if organizational changes affect OCD, new organization that takes over current OCD's roles and responsibilities agrees to continue the project.</p>	<p><1-1> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <1-2> The Regional DRRM Plan guidebook was drafted based on the series of consultations with OCD and NGAs. Currently, the series of consultations with OCD and NGAs. Currently, the series of consultations with OCD and NGAs. <2-1> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-2> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-3> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-4> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-5> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-6> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-7> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-8> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-9> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-10> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing.</p>	<p><1-1> It is decided that the part of DLE implementation would be integrated in the RDRRMP formulation guidebook. <2-1> The Draft Guidebook Version 2 is being revised to Version 3 based on the additional comments of OCD and NGAs. <3-1> An appraisal report was completed as one of the basis for the development of LDRRMP/M&E guidebook. <4-1> Concrete contents of the programs and modules will be considered in collaboration with Outputs 1, 2 and 3.</p>
<p>Output 3: OCD's information management (including global indicators such as Sendai Framework for Disaster Risk Reduction) monitoring and evaluation system on the formulation, revision and implementation of RDRRMs/LDRRMs is established.</p>	<p>3-1 User friendly guidebooks and feasible structure for information management, monitoring and evaluation system and methods function in the pilot areas.</p>	<p>3-1 Guidebooks, questionnaires for the users and their trainers, interviews with the users and their trainers 3-2 Questionnaires for the regional/local disaster-related officials and their trainers, interviews with OCD and Japanese experts</p>	<p>3-1 Training implementation plan developed in 4-6, quality and number of trainers, questionnaires for OCD, interviews with Japanese experts 3-2 Questionnaires for OCD and related agencies in the pilot areas. Interviews with OCD and related agencies in the pilot areas</p>	<p>National DRRM policies do not change. National DRRM mechanism does not change drastically. Even if organizational changes affect OCD, new organization that takes over current OCD's roles and responsibilities agrees to continue the project.</p>	<p><1-1> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <1-2> The Regional DRRM Plan guidebook was drafted based on the series of consultations with OCD and NGAs. Currently, the series of consultations with OCD and NGAs. Currently, the series of consultations with OCD and NGAs. <2-1> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-2> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-3> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-4> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-5> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-6> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-7> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-8> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-9> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-10> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing.</p>	<p><1-1> It is decided that the part of DLE implementation would be integrated in the RDRRMP formulation guidebook. <2-1> The Draft Guidebook Version 2 is being revised to Version 3 based on the additional comments of OCD and NGAs. <3-1> An appraisal report was completed as one of the basis for the development of LDRRMP/M&E guidebook. <4-1> Concrete contents of the programs and modules will be considered in collaboration with Outputs 1, 2 and 3.</p>
<p>Output 4: Training system is established in order to replicate the project outcome and conduct training for regions and LGUs in the Philippines.</p>	<p>4-1 User friendly training programs and modules, and feasible structure for information management, monitoring and evaluation are developed. 4-2 OCD's training implementation plan is developed.</p>	<p>4-1 Training programs and modules, questionnaires for the users and their trainers, interviews with the users and their trainers 4-2 Training implementation plan, interviews with OCD and Japanese experts</p>	<p>4-1 Training implementation plan developed in 4-6, quality and number of trainers, questionnaires for OCD, interviews with Japanese experts 4-2 Questionnaires for OCD and related agencies in the pilot areas. Interviews with OCD and related agencies in the pilot areas</p>	<p>National DRRM policies do not change. National DRRM mechanism does not change drastically. Even if organizational changes affect OCD, new organization that takes over current OCD's roles and responsibilities agrees to continue the project.</p>	<p><1-1> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <1-2> The Regional DRRM Plan guidebook was drafted based on the series of consultations with OCD and NGAs. Currently, the series of consultations with OCD and NGAs. Currently, the series of consultations with OCD and NGAs. <2-1> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-2> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-3> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-4> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-5> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-6> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-7> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-8> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-9> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing. <2-10> The Local DRRM Plan guidebook version 3 was drafted after the completion of the 1st pilot testing.</p>	<p><1-1> It is decided that the part of DLE implementation would be integrated in the RDRRMP formulation guidebook. <2-1> The Draft Guidebook Version 2 is being revised to Version 3 based on the additional comments of OCD and NGAs. <3-1> An appraisal report was completed as one of the basis for the development of LDRRMP/M&E guidebook. <4-1> Concrete contents of the programs and modules will be considered in collaboration with Outputs 1, 2 and 3.</p>

Project Monitoring Sheet II (Revision of Plan of Operation)

Version 4
Dated August 25, 2022

Inputs		Project Phase II												Remarks	Monitoring										
		2019			2020			2021			2022				2023			2024			2025			Issue	Solution
		IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	
Expert	Yoshihiko UCHIKURA	Plan	Actual																						
	Toohiki KUDO	Plan	Actual																						
	Naoko KITAZAWA	Plan	Actual																						
	Akihito FURUTA	Plan	Actual																						
	Yusuke YAMASAKI	Plan	Actual																						
	Kenpei KOJIKI	Plan	Actual																						
	Satoshi TAKATA	Plan	Actual																						
	Daisuke FUJITA	Plan	Actual																						
	Yoshizumi GONAI	Plan	Actual																						
	Takuya ITO	Plan	Actual																						
	Motoyo ARAKI	Plan	Actual																						
	Shinji IIDA	Plan	Actual																						
	Keisuke IMADA	Plan	Actual																						
	Ai Shigematsu	Plan	Actual																						
	Yuta KURIHARA	Plan	Actual																						
Training in Japan		Plan	Actual																						
		Plan	Actual																						

Activities Sub-Activities	2019		2020				2021				2022				2023				2024				2025		Responsible Organization	Achievements	Issue & Countermeasures
	Plan	Actual	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	I	II	Japan	GOP			
Output 1: 1-1 Review the current state of hazard assessment/information and identify challenges.	○	○																					✓	✓	Based on the findings from 1st batch of pilot activity and documents review, the current situation of data, tools and procedures for understanding local disaster risks and selecting necessary DRR measures in the process of LDRRMP formulation and these major challenges were updated.	Most of the Pilot LGU who chose to use GeoRiskPh are finding the (population, public schools and health facilities) exposure datasets 'too few' for them to have a comprehensive analysis of the disaster impacts for their LGU.	
1-2 Review the current state of risk assessment/information and identify challenges.	○	○																					✓	✓	The DLE procedure was revised based on the findings from 1st stage of the pilot activity and suggestions from NGAs (OCD, DLG, DHSUD, DOST-PAGASA, PHIVOLCS, MGB and others). The major points of amendments of the DLE procedure was confirmed in the 4th TWG meeting on 4th April 2022.		
1-3 Consider risk assessment methods so that disaster-related officials can understand local disaster risks and realize disaster risk reduction through countermeasures.	○	○																					✓	✓	It was confirmed that the city/municipality-wise result of GeoRiskPh (i.e. number of affected population, number of affected facilities) is mainly utilized for RDRRMP formulation. As the DLE result of Earthquake Shaking, the result of REDAS SHAKE provided by PHIVOLCS will be adapted in the RDRRMP formation.		
1-4 Set selection criteria and select LGUs in the pilot regions.	○	○																					✓	✓	N/A	N/A	
1-5 Support the review of risk information in the pilot areas based on the existing hazard/risk assessment by using the risk assessment methods considered in 1-3.	○	○																					✓	✓	The WG1 members conducted the Briefing Session with the 2nd Batch of Pilot LGUs except Davao City.	The pilot activity in some LGUs has been delay because MOA signing takes a lot of time due to pre- and post-election concerns.	
1-6 Develop draft guidelines for reviewing hazard/risk information.	○	○																					✓	✓	The third draft was approved in the 4th TWG meeting on 4th April 2022 after the major revisions of the second draft were confirmed one by one by the WG1 members. Finally it was decided that the part of DLE implementation would be integrated in the RDRRMP formulation guidebook in consideration of the possible method of DLE and the intended use of its result in the planning stage of RDRRMP.		
1-7 Based on the results of 4-4, revise the guidelines developed in 1-6.	○	○																					✓	✓			

Output 4:

4-1 Review the current state of DRRM training including construction of the NDRRM Training Institute and identify challenges.	Plan																					Completed based on the consultations with related agencies and organizations (national, regional, local, NGOs, academe) and the survey results on the Japanese training system for local DRR-related plan formulation. Additional data from OCD CO and pilot ROs (VA & VII) were considered and Individual Capacity Assessment (ICA) are completed.		
	Actual																						Since there has been some delay in the schedule, also due to the change of WG members, WG meetings to explain the detailed contents done by previous members has been held to update the new composition of WG4 members. From July 2022, based on the assignment of NDRRMTR, the leader of WG4 will change. Regarding members, instead of replace, add new members. In case the leader would change, working transfer meeting will be held and avoid reworking. Continuous observation to WG 1-2-3 pilot testing activities for Stage 2 will be done. Draft training structure and implementation plan will be coordinated with WG 1-2-3 teams, organizations under WG4, as well as with some NDRRMWC member agencies.	
4-2 Consider the draft training structure for regions and LGUs.	Plan																						From what are the common current risk assessment and DRRMP formulation training structures, and prior to WG1 and WG2 pilot testing, draft training structure has been initially considered. As an activity of consideration to the draft training structure, WG4 members has observed in the online pilot-testing of LDRRM formulation/updates of pilot areas. An "Observer's Form" has been prepared for the WG4 members' use. The initial discussion of monitoring results has been done. Comparison with current DRRMPFT and contents of guidebook has been conducted and the enhancement points of current DRRMPFT have been discussed. Additional data will be gathered based from feedback and recommendations regarding the current LDRRM training courses of OCD. Respondents for the assessment form include representatives from OCD Regional Offices and selected LGUs. Results will be deliberated on and considered for the LDRRM training courses and training implementation plan to be developed.	
	Actual																						Some WG4 members have not yet undergone an LDRRM training. WG4 asked if there are regional offices who will be conducting an LDRRM training this year. We had one in Region 9, but a few were able to sit-in and experienced difficulty with regard to the local dialect used in open discussions during the training. Nonetheless, WG4 members were encouraged to read through the draft guidebooks. Briefing sessions were also requested by WG4 from WG1-2-3 regarding the draft outlines of the guidebooks. For the contents of the training courses, WG 4 coordination with WG 1-2-3 will be done. This is aside from the workshop to be done with the OCD regional offices in deliverable 4.4.	
4-3 Based on the guidelines developed in 1-6, 2-5 and 3-3, develop draft training programs and modules for regions and LGUs.	Plan																							
	Actual																							
4-4 Conduct a workshop for all the OCD regional offices on the draft training programs and modules developed in 4-3.	Plan																							
	Actual																							
4-5 Conduct training in the pilot areas based on the draft structures for training, monitoring and evaluation developed in 3-3 and 4-2 and the draft training programs and modules.	Plan																							
	Actual																							
4-6 Based on the results of 4-4, revise the training structure developed in 4-2 and the training program and modules developed in 4-3.	Plan																							
	Actual																							
4-7 Develop the training implementation plan (including timeline, budget, training of trainers, etc.) in order to replicate the project outcomes and conduct DRRM training for regions and LGUs in the Philippines.	Plan																							
	Actual																							

