

# Social Monitoring Report

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Project Number: 52282-001  
Semestral Report  
July to December 2022  
April 2023


## Indonesia: Geothermal Power Generation Project

Prepared by PT Geo Dipa Energi (Persero) for the Asian Development Bank

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Contract No. CS-GDE-D2P2-001			COMPANY Doc No.		
<b>Semi-Annual Social Safeguard and Resettlement Monitoring Report (July - December 2022)</b>			<b>D2P2-SS-000-REP-AEC-40092</b>		
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 PT Geo Dipa Energi (Persero)	<b>DIENG 2 &amp; PATUHA 2 PROJECT</b>	<b>AECOM</b>
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# SEMI-ANNUAL SOCIAL SAFEGUARD AND RESETTLEMENT MONITORING REPORT

## July – December 2022 Period

**ISSUED FOR INFORMATION**

Rev.	Date	Purpose	Issued	Checked	Approved	COMPANY
B	11-Apr-23	Issued for Information	Neneng N. Iwan P. Asmorowati Steve C.	Romeo Cleto	Grant Morris	GDE
A	30-Jan-23	Issued for Information	Neneng N. Iwan P. Asmorowati Steve C.	Wahyu M.	Grant Morris	GDE

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## RECORD OF REVISION

The revision listed below have been incorporated in this document

REV NO.	SECTION	PAGE NO.	DESCRIPTION OF CHANGES	DATE
B	1	2	Completed, move Para 4,5, 9 and Table 1-1 after project description	6-Apr-23
	1	6	Briefly explanation of civil works	5-Apr-23
	3	11	Clarify the explanation in this paragraph in order to relevant for expansion of pad 7,9 and 30	5-Apr-23
	3	11	Provide justification on: (i) why BOD decided to relocate the power plant, (ii) why the RP is required in addition to the application IPPKH	5-Apr-23
	3	11	Correct the Pad 31 is not covered in the LARP 2021	5-Apr-23
	3	12	Correct that the previous powerplant is in the pad 38; location of pad 12 is not in Karangtengah	5-Apr-23
	3	12	IR impact in Pad 12 and why LARP will be prepared	5-Apr-23
	3	16	Social impact in Patuha Unit 2	9-Apr-23
	3	16	Adjust statement considering Pad 9/Loc BB was on the protection forest used for Patuha 2 after issuance of forest land use permit (IPPK)	9-Apr-23
	3	16	Combine Para 33 is repeated para 32	9-Apr-23
	3	16	Some action supposed has to be taken as of Dec 2022	9-Apr-23
	3	19	Complete Table 3-2	9-Apr-23
	3	19	Confirmation LARP covered Loc G	9-Apr-23
	3	20	Confirmation the type of plantation	9-Apr-23
	4	23	Confirmation the action as per CAP is "Consult affected persons and clarify calculation of compensation provided to the affected land users who lost income from productive agriculture due to construction of Pad 38"	10-Apr-23
	4	24	Adjust to Progress during July-Dec 22 instead of for the monitoring report July-Dec 22	9-Apr-23
	4	26	Add that the budget for top compensation has been allocated and ready to be disburse by Jan 23	10-Apr-23
	4	26	Informed budget for top compensation has been allocated and ready to be disbursed by Jan 23.	10-Apr-23
	4	29	The additional sub project component which not covered in DDR 2019 and the DDR which being prepared by PMC	10-Apr-23
	4	29	Present concisely straight forward mentioned IPPKH has been issued in Jan 2021 and what is the obligation need to be fulfilled by GDE as per IPPKH, then described about the replacement forest land	10-Apr-23
	4	30	Explain the independent appraisal re-survey in the nearby replacement land in Sugihmukti Village	10-Apr-23
	4	30	Confirmation the information	10-Apr-23
	4	31	Present more concise refer to the approved DDR for the additional subproject component	
	4	32	Confirm the social safeguards plan document and monitoring report has been uploaded into ADB and GDE website	4-Apr-23
	4	32	Confirm that it is SSMR	5-Apr-23
	4	33	Delete para 77 – 88 since detailed has been described in table 4-4. Then, replace with present summary number of consultations, number of participants segregated by gender, who are the participants and agenda discussed	5-Apr-23

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	4	35	Classify the consultations based on purpose; whether consultations prior well testing pad 9, Need assessment for adjustment of LRP, etc.	5-Apr-23
	4	51	Same with above	5-Apr-23
	4	60	Indicate how many of them are VAHs or SAHs	5-Apr-23
	4	62	Confirm is there any of them AHs household member	5-Apr-23
	4	65	Explain how is the corrective action for this finding	5-Apr-23
	4	67	Elaborate more by explaining what the benefit to a project affected village	5-Apr-23
	4	68	Delete Para 111 and table 4-9 and report social safeguards impact due to civil works/drilling works/other sub project activities, also reported the mitigation taken	5-Apr-23
	4	75	Inform the implementation of Social Mitigation Plan of Well-Testing Pad 9	5-Apr-23
	5	77	Inform soc safeguards impact /grievances raised by community due to well test activity	5-Apr-23
	6	80	Confirm that as of end Dec 22 the well test should be started already	5-Apr-23
	6	80	Clarify grievances	5-Apr-23
	6	80	Describe further what grievances and how is handling process in the GRM chapter	5-Apr-23
	6	80	This para more relevant to put under GRM chapter	5-Apr-23
	6	81	Confirm if this para only reported about the consultations held prior/during the well testing	11-Apr-23
	6	82	Move this Para before explain detailed grievances and check the semi annual envi mon report is correct term	11-Apr-23
	6	82	Include analysis evecitivity of this boxes	11-Apr-23
	6	84	Elaborate more to make it more clear the meaning	11-Apr-23
	6	84	Confirm total grievances	11-Apr-23
	6	86	Move this Para before explain detailed grievances	11-Apr-23
	6	89	Include discussion on the urgency to replace the international resettlement expert considering many social safeguards assessments need to be done and social safeguards plan documents need to be finalized-as per CAP and series discussion with ADB	5-Apr-23
	6	89	Concisely present here if there any limitation budget for timely top up compensation payment	11-Apr-23
	6	90	Same with above	11-Apr-23
	6	91	Revised Para 165-166 to staright forward to mention the conclusion	11-Apr-23
	6	93	Confirmation the repetition	11-Apr-23
	6	94	Confirmation the maning of SSMR	5-Apr-23
	6		Check and make it consistence with table	5-Apr-23
	6	94	Provide justification to be relevant to emphasize : (i) no construction is started in the area with IR issue, (ii). land acquisition and resettlement has been conducted inline with LARP/RP/DDR	11-Apr-23
	6	95	Emphasize is whether the compensation has been at replacement cost principles or whether its has been fully dirburse as per entitlement matrix set forth In the LARP	11-Apr-23
	6	97	Revise by explaining if GDE has timely allocation budget for compensation and soc safeguards implementation	11-Apr-23
	6	98	Check because it was informed during the ADB Mission 2022 all safeguards doc has been uploaded in the GDE/project website, except SSMR Jan-June 2022	5-Apr-23
	6	101	Revisit the compliance and justification as per report only few AHs has participated in the LRP	5-Apr-23
	6	101	Complete the number	11-Apr-23

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	6	103	Confirm the disclosure, whether all monitoring report has been disclosed in the GDE/project website and mentioned disclosure in the ADB website	5-Apr-23
	6	105	Revise to partially compliance since payment compensation to land owner of additional pad 7 & 9 Dieng paid less than amount in the RP	11-Apr-23
	6	106	Same with above related payment to AHs owned additional pad 7 & 9 Dieng	11-Apr-23
	6	110	Add social safeguards assessment nad plan document for a relocation power plant, and cancel the reconductoring TL Garung Wonosobo that will/has been prepared	11-Apr-23
	6	111	Delete from this table since the information no longer relevant	5-Apr-23
	6	111	Confirm the agenda has been implemented or not yet	5-Apr-23
	6	112	Include soc safeguards assessment related to relocation of power plant to pad 12 and cancel the preparation plan document for reconductoring TL Garung -Wonosobo	5-Apr-23

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## 1. PURPOSE

The Asian Development Bank (ADB), through Loan No. 3928 INO, is supporting GDE to develop geothermal energy in Indonesia. The Loan is bound by covenants which, among others, include obligations for safeguards compliance, routine monitoring and reporting of the Project's environmental and social activities, impacts and mitigations. Related to social safeguard activities, PMU with the support of PMC is responsible to prepare the internal monitoring report and compliance with Land Acquisition Resettlement Plan (LARP) implementation for the past six month on the subprojects. For that purpose, this report is to present "Semi-Annual Social Safeguard and Resettlement Monitoring Report" for the period of July to December 2022.

The objective of the semi-annual monitoring report is to inform on the implementation progress of land acquisition and resettlement activities, the implementation of livelihood restoration programs for the period of July – December 2022, as well as on grievances and other relevant issues under the scope of social safeguards. This is to ensure that the activities were implemented as planned and that mitigating measures designed to address adverse social impacts adequate and effective, and the project complies with the social safeguards' requirements set forth in the loan agreement.

The outline of the report, includes:

- I. Introduction
- II. Objective and Scope of the Social Safeguards Internal Monitoring Report
- III. Scope of Project Impacts
- IV. Detailed Resettlement Implementation Progress
- V. Institutional Support to Social Safeguards
- VI. Other Concerns, Notes and Corrective Actions

## 2. SCOPE

This report was prepared by GDE as PMU and assisted by PMC, with the scope of the monitoring includes, but is not limited to:

- i. Allocation of sufficient budgetary and human resources for implementation of safeguards measures and plans
- ii. Payment of compensation to all affected persons (APs) in various categories, according to the compensation policy described in the Social Safeguards Documents.
- iii. Delivery of income restoration and social support entitlements.
- iv. Public information dissemination and consultation procedures.
- v. Establishment and maintenance/operation of a grievance redress mechanism (GRM) for the project; adherence to grievance procedures and documented outstanding issues requiring management's attention.
- vi. Prioritization of Aps regarding the engagement and support options offered.
- vii. The benefits generated from the subprojects to the Aps and affected villages.
- viii. Assessing the impacts and outcomes of social safeguards activities on the standards of living of Aps/customary communities.

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The Social Safeguard Internal Monitoring Report presents the implementation progress of Resettlement Plan (RP) or Land Acquisition Resettlement Plan (LARP) and DDR – Corective Action Plan (CAP) prepared by GDE for two sub-projects.

Table 1. Implementation Status or LARP in Dieng Unit 2 and CAP in Patuha Unit 2

Sub project	Safeguards Document Type	Approval	Disclosure <a href="https://www.geodipa.co.id/hubungan-investor/laporan-lain/">https://www.geodipa.co.id/hubungan-investor/laporan-lain/</a>	Budget Planned (IDR)	Actual Disbursed (IDR)	Implementation Status
Dieng Unit 2	RP	September 2019	November 2019  GDE Website: July 2021	21,351,000,000	1,472,838,998	December 2019
	LARP	December 2021	December 2021  GDE Website: December 2021	36,089,151,740	25,505,300,000	January 2022
	Addendum LARP	Not yet approved	-	30,826,838,499	-	The Final Draft of Addendum LARP is under review by ADB.
	DDR	Planned on 2023	-	-	-	-
Patuha Unit 2	DDR/CAP	September 2019	November 2019  GDE Website: July 2021	20,374,200,000	-	-
	Draft LARP	-	-	17,951,387,726	-	The Final Draft of LARP is under review by ADB.



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Sub project	Safeguards Document Type	Approval	Disclosure <a href="https://www.geodipa.co.id/hubungan-investor/laporan-lain/">https://www.geodipa.co.id/hubungan-investor/laporan-lain/</a>	Budget Planned (IDR)	Actual Disbursed (IDR)	Implementation Status
	DDR	Not yet approved	-	Not applicable	-	The Second Draft of DDR is under review by ADB.

### 3. DEFINITIONS

Land Acquisition and Resettlement Plan (LARP) or Resettlement Plan (RP) is social safeguard document required by ADB Safeguard Policy Statement (SPS) that contains the policies and guidelines and time-bound action plan with budget, setting out the resettlement objectives and strategies, entitlements, activities and responsibilities, land acquisition and resettlement monitoring and evaluation.

Land acquisition is the process where an individual, household, firm or private institution is compelled by an agency needing land for public interest to alienate all or part of the land it owns or possesses to the ownership and possession of that agency in return for compensation at replacement costs.

Replacement cost is the monetary value to replace affected assets and/or cover transaction costs necessary to replace the affected assets without depreciation for such assets as well as material advantage, taxes and/or travel expenses.

### 4. REFERENCE

Resettlement Plan for Dieng Geothermal Plant Expansion Sub-Project, November 2019

Safeguards Due Diligence Report for Patuha-2 Expansion Sub-Project, November 2019

Land Acquisition and Resettlement Plan for Land Expansion Plan for Dieng Unit 2 Geothermal Drilling Activity, December 2021.

Addendum LARP Dieng Unit 2 Geothermal Drilling Activity, December 2022 (Final Draft, not yet approved by ADB)

Land Acquisition and Resettlement Plan for Land Replacement of IPPKH for Patuha Unit 2 Geothermal Drilling Activities, December 2022 (Draft, not yet approved by ADB)

Due Diligence Report (DDR) Dieng, December 22 (Final Draft, not yet approved by ADB)

Updated Gender Action Plan (GAP), December 2022.

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## 5. ATTACHMENT

Full report of Semi-Annual Social Safeguard and Resettlement Monitoring Report period of July to December 2022.

# **Social Safeguard Semi Annual Monitoring Report**

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**July – December 2022**

**ADB LOAN No. 3928 INO  
Project Number: 52282-001  
January 2023**

**INO: Geothermal Power Generation Project**



**PT Geo Dipa Energi (Persero)**

**PT Geo Dipa Energi (Persero)**

**Project Management Unit**

## VALIDITY SHEET

	Position	Signature
<b>Prepared by</b>	Government Relation & Social Safeguard Staff	
		Date:
	Government Relation & Social Safeguard Assistant Manager	
		Date:
<b>Approved by</b>	HSE & Safeguard Manager	
		Date:
	Project General Manager	
		Date:

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## 1. INTRODUCTION

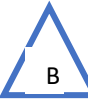
### A. Overview

1. The Proposed Geothermal Power Generation Project (GPGP) will support expansion of Indonesia's geothermal generating capacity to contribute to the sustainability, resiliency, and sufficiency of the electricity system, aligned with Sustainable Development Goals (SDGs) 7 on access to affordable, reliable, sustainable and modern energy for all and SDG 13 on urgent action to combat climate change and its impacts. The project will support PT Geo Dipa Energi (GDE), a state-owned geothermal company focused on development and operation of geothermal resources, to commission an additional 110 megawatts (MW) of geothermal electricity generating capacity—55 MW at the Dieng geothermal field in Central Java and 55 MW at the Patuha geothermal field in West Java.
2. The project is aligned with the following long-term, strategic impacts: (i) contribution to geothermal energy in Indonesian power supply increased, and (ii) renewable energy in the electricity subsector increased, consequently contributing to carbon emission reduction to the atmosphere. Its' outcome will be an increase in the adequacy and sustainability of energy supply.
3. The Asian Development Bank (ADB), through Loan No. 3928 INO, is supporting GDE to develop geothermal energy in Indonesia. The Loan is bound by covenants which, among others, include obligations for safeguards compliance, routine monitoring and reporting of the Project's environmental and social activities, impacts, and mitigations. Related to social safeguard activities, PMU with the support of PMC is responsible to prepare the internal monitoring report and compliance with Land Acquisition Resettlement Plan (LARP) implementation for the past six months on the subprojects. For that purpose, this report is to present the "Semi-Annual Social Safeguard and Resettlement Monitoring Report" for the period of July to December 2022.

### B. Project Description

4. Up to December 2022, the project plan is still same with previous semi-annual monitoring report that it will expand geothermal power generation via two sub-projects:
  - 1) Dieng 2: expansion of geothermal electric generating capacity by 60 MW at the Dieng geothermal plant. and
  - 2) Patuha 2: expansion of geothermal electric generating capacity by 59 MW at the Patuha geothermal plant.
5. The project will include the following for each sub-project: (a) work over of existing wells and drilling of new wells for geothermal fluid production and re-injection, (b) construction of fluid collection and re-injection systems, (c) power plant, and (d) transmission inter-connection systems. The project will additionally support capacity development of GDE, including the development and implementation of a safety and health plan at the facilities and increased experience with contracting and management.
6. The Dieng sub-project faces technical challenges and high-density of farming activities whilst the Patuha sub-project is nearby to protected forest. As part of ADB's assistance, the project will enhance health, safety, emergency planning, and livelihood opportunities for nearby communities. If forest clearing in a critical habitat is necessary, the project will ensure that no measurable adverse impacts will lead to an impairment of its high biodiversity value from forest clearing in critical habitat. These activities will serve as an example for how Indonesia's





geothermal resource in similar geographic contexts can be developed without detriment to the existing surroundings. The Geothermal Power Generation Project (GPGP) Dieng 2 and Patuha 2 has been following the ADB’s project preparation process which also covers safeguards planning and documentation. In the planning stage, some safeguards planning and documentation were prepared as per the policy of ADB requirements described in their SPS 2009, i.e. Resettlement Plan, Addendum Resettlement Plan and Due Diligence, Gender Action Plan, and Stakeholder Communication Strategy. The required land acquisition also followed the safeguards process with a planning document for Dieng 2 expansion subproject, namely the Resettlement Plan (RP) prepared and approved in 2019, followed by Land Acquisition and Resettlement Plan (LARP) for Dieng 2 prepared and approved in December 2021, Addendum LARP for Dieng 2 prepared in 2022 and on finalization in early 2023. While for Patuha 2 expansion sub-project, the ADB Safeguards Due Diligence Report (DDR) was prepared and approved in 2019, the LARP Patuha 2 document was prepared in 2022 and on finalization in early 2023, and DDR Patuha 2 for additional components was prepared in 2022 and currently under reviewed by ADB.

7. In addition, Due Diligence Report (DDR) will be applied for additional components in Dieng-2 sub-project and it will be prepared in early 2023. There is also a plan for reconducting and Overhead Line (OHL) Tower Reinforcement for Garung-Wonosobo as the requirement of the Aide Memoire ADB Mission in July – August 2022, so that PMU and PMC are responsible for preparing the DDR and/or LARP for this activity in 2023.
8. Table 1-1 below summarizes the required social safeguards planning documents for Dieng 2 sub-project and Patuha 2 Sub-project. The planning documents for those two sub-projects had been approved by ADB in September 2019 before the loan signing and 22 December 2021. All approved safeguard documents had been disclosed on ADB’s website. The addendum LARP Dieng-2 will be finalized in January 2023, and DDR for the additional component will be prepared in January 2023 as well. For Patuha 2 expansion Sub-project, the final draft LARP of Land Replacement of IPPKH for Patuha 2 has been submitted officially to PMU on 28 December 2022 and the document is under review by ADB for approval in January 2023. DDR for additional components in Patuha 2 sub-project has been submitted in December 2022 to PMU and currently is being reviewed by ADB.

**Table 1-1. Status of Required Social Safeguards Documents as of December 2022**

Subproject	Safeguard Document Type	Document Preparation	ADB’s Approval	Budget Planned (IDR)
Dieng Unit 2	RP	August 2019	September 2019	21,351,000,000
	LARP	November 2021	December 2021	36,089,151,740
	Addendum LARP	December 2022	Not yet approved	30,826,838,499
	DDR	Planned on January 2023	-	-
Patuha Unit 2	DDR	August 2019	September 2019	20,374,200,000
	LARP	May 2022	Not yet approved	5,548,905,937
	DDR	December 2022	Not yet approved	Not applicable

## 1. Dieng 2 Sub-Project

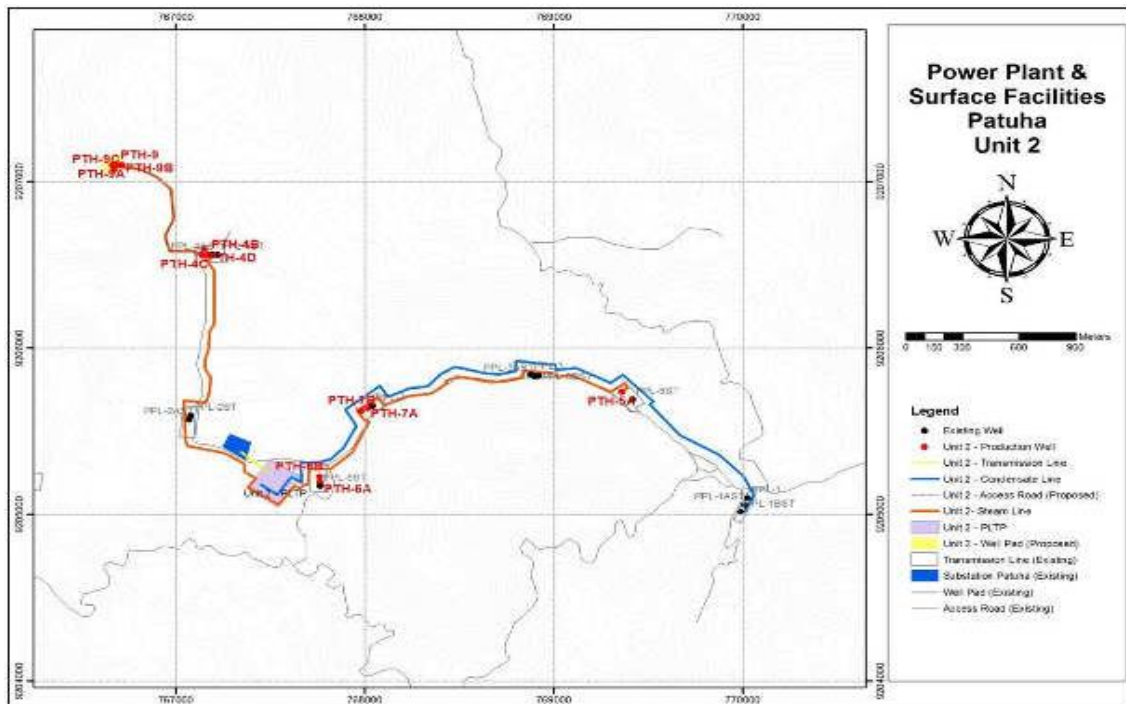
9. The Dieng Geothermal Expansion sub-project (Dieng-2) will include drilling of new wells for geothermal fluid production and re-injection and developing a steam aboveground gathering system and fluid reinjection lines connecting wells and generating units. Dieng will have a combined cycle plant with both steam and Organic Rankine Cycle turbines. The sub-project will also support the systems of transmission interconnection between the plants and the grid. This will include a new 6-km underground transmission line to the Dieng Sub-Station. The GPGP will additionally strengthen GDE's capacity to develop and operate geothermal power plant and to enhance GDE's Community Development Program through more strategic engagement with the communities and to evaluate the program.
10. The project will contribute to the increased geothermal energy in Indonesia power supply in line with Electricity Power Supply Business Plan (RUPTL 2018 – 2027) and the increased renewable energy in energy electricity sector (first nationally determined contribution to the UNFCCC). The outcome will be the increase of the adequacy and sustainability of energy supply which is targeted by 2027 that additional 770 GWh of geothermal electricity generated and at least 400,000 tons of CO<sub>2</sub> equivalent avoided annually. The sub-project (Dieng-2) will construct a new power plant, sub-station, transmission lines and pipelines. No new wellpads will be added, but 10 new wells<sup>1</sup> will be drilled on existing wellpads. The Dieng-2 Sub-project will include (a) drilling of new wells for geothermal fluid production and re-injection, (b) construction of fluid collection and re-injection systems, (c) power plant, and (d) transmission inter-connection systems. It also includes strengthening GDE's capacity to plan for, develop, and operate geothermal power plants and the enhancement of GDE's Community Development Program through more strategic engagement with the communities, and systematic program evaluation.
11. The Dieng 2 Sub-project faces technical challenges and is set in a context where there is high-density farming activities, particularly at the Dieng reservoir location. The key technical challenges faces by Dieng 2 Sub-project include: (i) land availability for new facility of Dieng 2 and how to construct that need space/area; (ii) there is no as-built drawing for existing facility Dieng 1, especially for the underground instrumentation and electrical cables; and (iii) access road to several locations such as Pad 30 where there is a need for road widening during drilling and EPC stage, and the current condition of the access road that is too narrow for heavy traffic.
12. As part of ADB's assistance, the project will enhance health, safety, emergency planning, and livelihood opportunities for nearby communities. The Dieng-2 Sub-project will not use any forest land except for laying of the proposed underground transmission line which will pass under an existing pipeline and inspection road right-of-way (ROW) through protection forest, for which GDE already has a permit (IPPKH). These activities will serve as an example for how Indonesia's geothermal resource in similar geographic contexts can be developed without detriment to the existing surroundings. Figure 1-1 provides a map of the location and - layout of the proposed Dieng-2 expansion components recommended by the Dieng and Patuha Feasibility Study approved by the GDE Board of Directors per August 2019.

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<sup>1</sup> 4 production wells, 5 injection wells and 1 contingency well



**Figure 1-2. Power Plant & Surface Facilities for Patuha-2 Expansion Sub-Project**



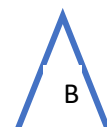
14. Figure 1-2 shows the expansion of the existing geothermal facilities (Pātuha-2 Sub-project) that will consist of the following components:
  - i) construction of a new power plant - Patuha Unit 2 (Loc GPP);
  - ii) the drilling of eleven (12) new wells:
    - a) Nine (9) new wells will be drilled in existing well pads viz. Well pad 4 (Loc G), well pad 5 (Loc W), well pad 7 (Loc V) and well pad 6 (Loc U), and
    - b) Three (3) new wells will be drilled in a new (proposed) well pad, namely Well Pad 9 (Loc BB).
  - iii) construction of new steam pipelines
    - a) from Well Pad 9 (Loc BB) to Well Pad 4 (Loc G) to the new power plant, and
    - b) from Well Pad 5 (Loc W) Well Pad 7 (Loc V) to Well Pad 6 (Loc U) to the new power plant.
  - iv) construction of a condensate line from the new power plant to existing Well Pad 1 (Loc A); and
  - v) addition of a new transformer at the existing Patuha Sub-Station approximately 200 m from the power plant.
15. The existing Patuha Power Plant complex and Patuha-2 expansion sub-project area are quite isolated from the community. Several GDE power plants are located in the border area that cannot be traversed by community. Security personnel guard the complex around the clock.

### C. Civil Works Status

16. Between July - December 2022, there were several ongoing civil works being executed in Patuha Unit 2 and Dieng Unit 2. The civil works in Patuha started on 23<sup>rd</sup> July 2021, while works in Dieng started on 20<sup>th</sup> August 2021. The status of civil works in Patuha Unit 2 and Dieng Unit 2 is presented in the following table (Table 1-2). The civil work in Patuha Unit 2 has been finished and waiting for EPC. In the EPC phase, there are some civil works such develop power plant, coling tower, SAGS pipe support, rock muffler.

**Table 1-2. The Status of Civil Works in Patuha Unit 2 and Dieng Unit 2 (July – December 2022)**

Area	Activities	Status
<b>Patuha Unit 2</b>		
<b>Well Pad PPL 7</b>	Drilling & installation of conductor pipe	Completed
	Cementing & grouting	Completed
	Cellar box	Completed
	Rig foot foundation	Completed
<b>Well Pad PPL6</b>	Drilling & installation of conductor pipe	Completed
	Cementing & grouting	Completed
	Cellar box	Completed
	Rig foot foundation	Completed
	Fence Work BRC	Completed
<b>Well Pad PPL 2</b>	Drilling & installation of conductor pipe	Completed
	Cementing & grouting	Completed
	Cellar box	Completed
	Rig foot foundation	Completed
<b>Well Pad PPL 4</b>	Drilling & installation of conductor pipe	Completed
	Cementing & grouting	Completed
	Cellar box	Completed
	Rig foot foundation	Completed
	Fence Work BRC	Completed
<b>Well Pad PPL BB</b>	Drilling & installation of conductor pipe	Completed
	Cementing & grouting	Completed
	Cellar box	Completed
	Rig foot foundation	Completed
	Fence Work BRC	Completed
	Cut & fill	Completed
	Soil compaction	Completed
Geotextile	Completed	
<b>Access Road Well Pad PPL BB</b>	Cut & fill	Completed
	Import soil material	Completed
	Stone masonry	Completed
	Corrugated work	Completed
	Reinforced concrete foundation	Completed
	Geotextile	Completed
	Geogrid	Completed
Gabion	Completed	



Area	Activities	Status
<b>Dieng Unit-2</b>		
<b>Well Pad 31</b>	Drilling with auger (earthwork)	Completed
	Installation of pipe conductor (including welding)	Completed
	Cementing / grouting	Completed
	Cellar box work and Fence work BRC	Completed
	Rig Footprint	Completed
	Cut & fill	Completed
<b>Well Pad 9</b>	Drilling with auger (earthwork)	Completed
	Installation of pipe conductor (including welding)	Completed
	Cementing/grouting	Completed
	Cellar box work and Fence work BRC	Completed
	Rig Footprint	Completed
	Cut & fill	Completed
<b>Well Pad 7</b>	Drilling with auger (earthwork)	Completed
	Installation of pipe conductor (including welding)	Completed
	Cementing/grouting	Completed
	Cellar box work and Fence work BRC	Completed
	Rig Footprint	Completed
	Cut & fill	Completed
<b>Well Pad 38 move to Well Pad 29</b>	Drilling with auger (earthwork)	Completed
	Installation of pipe conductor (including welding)	Completed
	Cementing/grouting	Completed
	Cellar box work and Fence work BRC	Completed
	Rig Footprint	Completed
	Cut & fill	Completed
<b>Well Pad 30</b>	Drilling with auger (earthwork)	Not yet started
	Installation of pipe conductor (including welding)	Not yet started
	Cementing/grouting	Not yet started
	Cellar box work and Fence work BRC	Not yet started
	Rig Footprint	Not yet started
	Cut & fill	Not yet started

Source: PMC Civil, 2022



## **2. OBJECTIVE AND SCOPE OF THE SOCIAL SAFEGUARDS MONITORING REPORT**

### **A. Objective of Social Safeguard Monitoring Report**

17. The objective of the semi-annual monitoring report is to inform on the implementation progress of land acquisition and resettlement activities, the implementation of livelihood restoration programs for the period of July – December 2022, as well as on grievances and other relevant issues under the scope of social safeguards. This is to ensure that the activities were implemented as planned and that mitigating measures designed to address adverse social impacts adequate and effective, and the project complies with the social safeguard requirements set forth in the loan agreement.

### **B. Scope of Social Safeguard Monitoring Report**

18. The scope of the monitoring includes, but is not limited to:
  - i. Allocation of sufficient budgetary and human resources for implementation of safeguards measures and plans
  - ii. Payment of compensation to all affected persons (Aps) in various categories, according to the compensation policy described in the Social Safeguards Documents.
  - iii. Delivery of income restoration and social support entitlements.
  - iv. Public information dissemination and consultation procedures.
  - v. Establishment and maintenance/operation of a grievance redress mechanism (GRM) for the project; adherence to grievance procedures and documented outstanding issues requiring management's attention.
  - vi. Prioritization of APs regarding the engagement and support options offered.
  - vii. The benefits generated from the subprojects to the APs and affected villages.
  - viii. Assessing the impacts and outcomes of social safeguards activities on the standards of living of APs/customary communities.
19. The Social Safeguard Monitoring Report presents the implementation progress of Resettlement Plan (RP) or Land Acquisition Resettlement Plan (LARP) and DDR – Corective Action Plan (CAP) prepared by GDE for two sub-projects.

**Table 2-1. Implementation Status or LARP in Dieng Unit 2 and CAP in Patuha Unit 2**

Sub project	Safeguards Document Type	Approval	Disclosure <a href="https://www.geodipa.co.id/hubungan-investor/laporan-lain/">https://www.geodipa.co.id/hubungan-investor/laporan-lain/</a>	Budget Planned (IDR)	Actual Disbursed (IDR)	Implementation Status
Dieng Unit 2	RP	September 2019	November 2019  GDE Website: July 2021	21,351,000,000	1,472,838,998	December 2019
	LARP	December 2021	December 2021  GDE Website: December 2021	36,089,151,740	25,505,300,000	January 2022
	Addendum LARP	Not yet approved	-	30,826,838,499	-	The Final Draft of Addendum LARP is under review by ADB.
	DDR	Planned on 2023	-	-	-	-
Patuha Unit 2	DDR/ CAP	September 2019	November 2019  GDE Website: July 2021	20,374,200,000	-	-
	Draft LARP	-	-	17,951,387,726	-	The Final Draft of LARP is under review by ADB.
	DDR	Not yet approved	-	Not applicable	-	The Second Draft of DDR is under review by ADB.



### 3. SCOPE OF PROJECT IMPACTS

#### A. Dieng 2 Sub-Project

20. The main social impacts associated with Dieng 2 Sub-project are changes in total land area, community employment, especially in economic profile, and community perception. There are also impacts on vulnerable people identified through studies, as discussed as part of the scope of impacts below.

#### 1. Land Clearing

21. A total of 5.7 ha GDE-owned land of the former PLN mess site has been cleared for the project in October 2020. This site is in Karangtengah Village and used to be leased on an annual basis by a farmers' group named *Kelompok Sadar Alam dan Tani "Merdada Sejahtera"* from KODIPA (GDE's *Koperasi Pekerja*). According to the internal monitoring survey held on 24 to 31 March 2022, it was confirmed in the field that the affected households were total 27 AHs, consisting of 23 affected land user or tenant farmers and four (4) lease coordinators. All Affected Households (Ahs) reside in Karangtengah Village, Batur Sub-District, Banjarnegara Regency. Of the total 23 land users and or tenant farmers about 21 identified lost ten percentage (10%) or more of their access to productive arable land which they used to lease for between 10 – 20 years, meanwhile two (2) tenant farmers could not be identified because the families refused to be interviewed. No physical relocation had been required, however, all the 23 affected households (AHs) are considered to have severe economic impacts, like lose ten percentage (10%) or more of their access to productive land and/or income and fourteen (14) AHs are also categorized as vulnerable<sup>2</sup>. All of the affected household data based on the categories mentioned can be seen in the summary of impacts, as stated in Table 3-2.

#### 2. Additional Land and Amendment of Additional Land Requirements for Drilling Activities

22. Based on 2021 LARP Dieng there are 3 (three) of the well pad areas now require expanded areas for drilling activities (well pad 7, well pad 9, and well pad 30). Based on the initial identification and measurement of the affected land carried out by GDE and supported by the District Land Office, the total area to be acquired for the well pad expansion is 12,459 m<sup>2</sup>.
23. According to Final Draft Addendum LARP Dieng 2022, the total land requirement has changed due to BPKP's recommendation, and a re-measurement conducted by GDE and National Land Office (BPN) of Banjarnegara Regency in January 2022 and based on the Notary Letter Number 42/NOT-PPAT/I/2022 dated January 12, 2022. The notary had confirmed that the transfer of assets from the landowners at additional land of well pad 7 and well pad 9 to GDE for the area must be re-measured by BPN Banjarnegara Regency. This action has to be carried out, as a responsibility of the notary as the Land Deed Making Officer (LDMO), to check all land sale and purchase transaction documents, including the measurement results contained in the proof of land ownership and the actual conditions in the field, to ensure the security of the assets being traded.
24. GDE assigned an independent appraiser to update the valuation of additional land of pads 7 and 9 based on the new measurements of the affected area. The 3<sup>rd</sup> re-valuation of compensation for these areas was prepared by the independent appraiser on September 13, 2022, referring to the latest affected land measurements with a total area 12.532m<sup>2</sup>.

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<sup>2</sup> Vulnerable affected households are those classified as households headed by women, elderly, or disabled, (ii) households falling under the generally accepted indicator for poverty, (iii) landless households, and (iv) ethnic minorities.

25. ADB has requested to prepare a separate document for the changes in data or information into the addendum LARP document. The final draft addendum LARP Dieng 2 had been submitted to PMU officially on 27 September 2022. PMU has submitted the addendum document on 14 October 2022 to ADB and ADB sent the reviewed document on 31 October 2022. The revised addendum document was submitted again to PMU on 11 November 2022. Based on the consultation with ADB, this addendum document has been discussed among ADB-PMU-PMC in early December 2022 to address and finalize all remaining comments from ADB and submitted revision final draft document on 21 December 2022. The Draft Addendum LARP Dieng 2022 has to be finished soon. After the document approved by ADB, top-up compensation for 2 land owners (Pad 7 and Pad 9) will be implemented.

### 3. New Power Plant in Pad 12

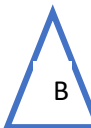
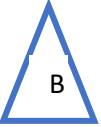
26. GDE has decided to relocate the power plant from Pad 38 to Pad 12 through the minute of Directors' meeting 52/XI/2022 on November 7, 2022. This decision was made as a reinforcement of the Decision Board of Directors Meeting on September 28, 2022. The reasons of Power Plant relocation to Pad 12 were; (1) positive impact in the form of saving transmission line investment costs, (2) if the study results state that Pad 12 does not require H2S abatement then it will save costs. Based on the technical study, the 4 Ha area in pad 12 is insufficient, so an additional land area of 6.67 Ha is required for the substation and other facilities. The process of applying for Borrowing and Using Forest Areas (PPKH) to PT. Perhutani has been proposed and requires re-measurement and demarcation of land boundaries in the existing location in Pad 12 and additional areas. GDE will prepare LARP documents which will begin to be prepared in April 2023. The LARP is required because the new Power Plant in Pad 12 needs an additional land.
27. The power plant relocation has an impact on its supporting activities, such as the provision of a new alignment of the pipeline between the previous GDE 2 power plant in pad 38 and pad 9 as mentioned in CAP ADB mission on April 5, 2022. Based on coordination results with the engineering team, the new alignment is no longer required.

### 4. Additional Project Components

28. Based on Corrective Action Plan (CAP) dated April 5, 2022, new DDR document needs to be prepared for project components that are not covered in LARP Dieng 2019 and LARP Dieng 2021 (Pad 7, Pad 9, Pad 30. Following the project components which need to be followed up with New DDR: pad 14, 15, 17, 18, 29, 32, and Disposal Pad 33. The new DDR is under preparation by PMC and will be submitted to PMU at the end of January 2023.
29. Several changes in activities and additional components as mentioned above, causing changes to the overall project components, so it needs to be revised. The revised results of the project component matrix can be seen in the table below.

**Table 3-1. Project Components, Land Requirements for the Proposed Dieng Geothermal Power Plant Expansion and Additional Land for Drilling Activities**

NO	INFRASTRUCTURE COMPONENT	LOCATION			OWNER OF LAND	REQUIRED AREA #			IR IMPACTS (YES/NO)
		LOCATION	WELL	VILLAGE		LENGTH (m)	WIDTH (m)	AREA (m <sup>2</sup> )	
1	Power Plant (Dieng- 2)	Near sub-station	Pad 12 (Note: The previous Power Plant was on Pad 38)	Sikunang	GDE			106,700	<b>Yes</b> There are 35 cultivators identified in Pad 12
2	Underground Transmission Line (TL)			4 villages - Karang Tengah, Dieng Kulon, Bakal and Sikunang	GDE	± 6,000	2	± 12,000	<b>No</b> Area required will be existing pipeline ROW owned by GDE. The TL will cross provincial road
					GDE				<b>No</b> Under existing inspection road and pipeline and inspection road ROW.
		Near sub-station		Sikunang	Min. of Forestry				No
3	Sub-station			Sikunang	GDE				<b>No</b> Will use existing Dieng 1



NO	INFRASTRUCTURE COMPONENT	LOCATION			OWNER OF LAND	REQUIRED AREA #			IR IMPACTS (YES/NO)
		LOCATION	WELL	VILLAGE		LENGTH (m)	WIDTH (m)	AREA (m <sup>2</sup> )	
									area
4	Well pads	Pad 7	SLR-7D	Karang Tengah	GDE			±13,900	No
		Pad 9	SLR-9C, 9D, 9E, 9F	Karang Tengah	GDE			±8,500	No
		Pad 10	HCE-10A	Kepakisan	GDE			±22,100	No Reactivation of old well.
		Loc-O	SLR-30B	Karang Tengah	GDE			±30,200	No
		Loc-Q	SLR-31A, 31B	Karang Tengah	GDE			±41,100	No
5	Pipeline & access road	Pad 10 to Pad 7		Kepakisan / Karang Tengah	GDE			±34,000	No GDE ROW is separated by village road estimated around 4 m wide on either side of the existing road.

NO	INFRASTRUCTURE COMPONENT	LOCATION			OWNER OF LAND	REQUIRED AREA #			IR IMPACTS (YES/NO)
		LOCATION	WELL	VILLAGE		LENGTH (m)	WIDTH (m)	AREA (m <sup>2</sup> )	
		Pad 7 to Pad 9		Karang Tengah	GDE			±25,900	<b>No</b> Corridor of Impact (COI) = existing ROW 12 m,
		Triple junction to pad Q		Karang Tengah	GDE			±28,100	<b>No</b> COI = existing ROW 12 m
		Loc-Q to Loc-O		Karang Tengah	GDE			±31,000	<b>No</b> COI = existing ROW 12 m
								<b>+ 308,289</b>	
<b>6.</b>	The Additional Land for Drilling Activities		Pad 7, Pad 9, Pad 30	Karang Tengah	Private land			<b>12,459</b>	<b>Yes</b> three land owners of 15 APs and 10 land workers of 33 APs.
<b>7</b>	Additional components	Pad 14		Karang Tengah	GDE				<b>No</b>
		Pad 15		Karang Tengah	GDE				<b>No</b>

NO	INFRASTRUCTURE COMPONENT	LOCATION			OWNER OF LAND	REQUIRED AREA #			IR IMPACTS (YES/NO)
		LOCATION	WELL	VILLAGE		LENGTH (m)	WIDTH (m)	AREA (m <sup>2</sup> )	
		Pad 17		Karang Tengah	GDE				No
		Pad 18		Karang Tengah	GDE				No
		Pad 29		Karang Tengah	GDE				No
		Pad 32		Karang Tengah	GDE				No
		Disposal Pad 33		Karang Tengah	GDE				No

Notes: # Breakdown – owned by GDE ( $\pm 305,279 \text{ m}^2$  of which the TL will be under  $12,000 \text{ m}^2$  - 6 km long, 2 m wide), privately owned ( $3,010 \text{ m}^2$ ) \* Based on field survey by IOL team (16 Aug. 2019) and IOL survey September 2021.

## B. Patuha 2 Sub-Project

30. The main social impact of Patuha 2 Sub-Project is related to replacement land of IPPKH. Social Safeguard Team develop some mitigation plans (integrated in the safeguard document, i.e. LARP) to manage the social impact.

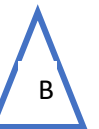
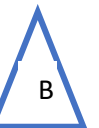
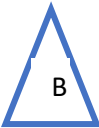
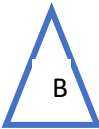
31.

The proposed Patuha-2 expansion involves additional land for three (3) new well pads of Patuha (PTH) 9, 9A, and 9B, access roads, and steam pipelines. There will be conducted the drilling activities in the new well pads which require land acquisition. In the existing land, no found people reside or use the forest for farming or for other livelihood purposes. As a note, well pad 9 is another name for Loc BB. An additional 28,500 m<sup>2</sup> (or 2.85 Ha) of land is required for Pad BB activity. The land status of Pad BB is protected forest under Perum Perhutani's jurisdiction. The involuntary resettlement impact will not be triggered due to no privately-owned land and land users identified, and no crops cultivated by land users in the protected forest area. Plantation workers still have access to their workplaces, namely on the tea plantation or to the tea factory.

32. To release or convert the Perhutani's land for the Project purposes, requires GDE and the government to identify and provide replacement land, or land which will be reallocated as forest area. Related to IPPKH Patuha 2 replacement land, the approval from the Ministry of Environment and Forestry was issued on March 14,2022 through Letter Number S.378/Menlhk-PKTL/REN/Pla.0/3/2022 regarding the Approval of Compensation Land covering an area of 6.05 Ha for a Borrow-to-Use Forest Area Permit for Geothermal Unit 2 Activities.

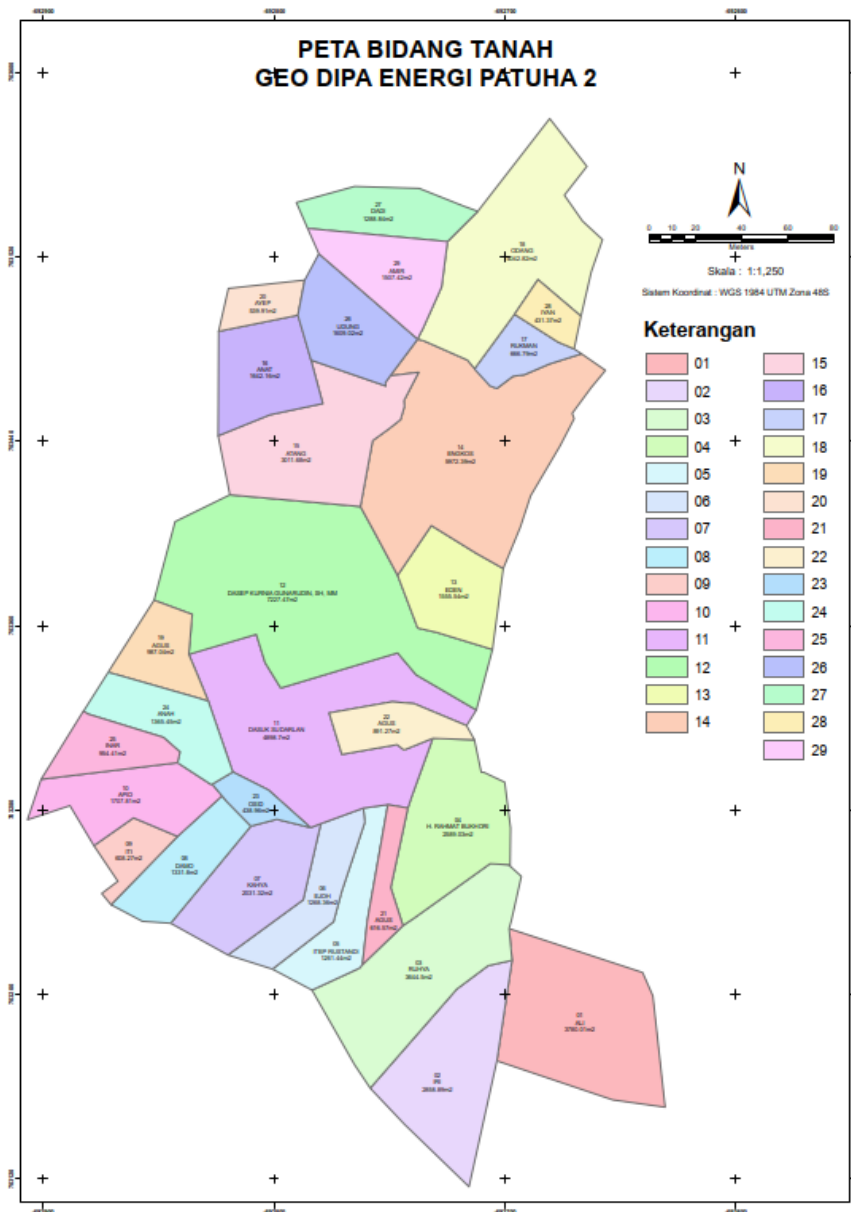
33. After the approval letter from the Ministry of Environment and Forestry was issued, the following steps are taken: a) Complete the relinquishment of rights and compensation for potential compensation land; b) Delisting as a taxpayer at the Tax Service Office; c) Make a statement in the form of a notarial deed containing: 1) Responsible if during the implementation of the boundary demarcation in the field there are technical and legal problems; 2) Responsible for resolving problems that arise on the compensation land that has been submitted to the Ministry of Environment and Forestry, if in the future there are demands, acknowledgments from other parties, extensive shortages and other problems; 3) Be responsible if in the future there is a lawsuit over the compensation land that has been submitted to the Ministry of Environment and Forestry; d) Submitting the measurement results of the potential compensation land, so that the exact area and boundaries are obtained; e) Submit compensation land to be used as forest area to the Ministry of Environment and Forestry.

34. GDE has been provisioned IPPKH compensation land in Sugihmukti Village and approved by MoEF as stated in letter no. S.378/Menlhk-PKTL/REN/Pla.0/3/2022). Then, Independent appraisal had been appointed since August 2022 and its report was delivered on 27 October 2022. Approval of landowners was received on 17 November 2022 and followed up by BOD's approval and payment delivered in December 2022. The whole documents will be submitted to Ministry of Environment and Forestry. GDE has to complete all the land compensation process before the time was given from MoEF expired. However, after all the process finished, turned out that LARP doc has not been approved by ADB. Therefore, ADB recommended that LARP doc has to change into DDR.



35. There are currently 27 landowners on 29 plots of land whose land is expected to be used as replacement land, with a total land area of around 6.05 ha which has been measured by a National Land Agency (BPN) certified independent consultant in February 2022.
36. To identify the scope of impacts for replacement land of IPPKH, the Inventory of Losses (IOL) survey was carried out on 9 – 12 February 2022. The IOL was conducted with the participation of AHs, representatives of local authorities and PMU. The schedule of the IOL was informed to local communities and AHs, therefore, representative(s) of the AHs were made aware of the scope of land acquisition and attended the survey activities.
37. Together with IOL survey, a Socio-Economic Survey (SES) was carried out between 9 and 13 February 2022. The IOL and social economic questionnaire were used to gather the socioeconomic information of AHs including their demographic data, education level, occupation, livelihood activity, level of wealthiness, and income. The SES was conducted of all affected HH's.





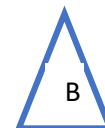
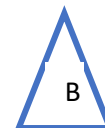
**Figure 3-1. Replacement Land Map**

38. Following is Table 3-2 that summarizing the cumulative of impacts related to land clearing status in 2019 and land acquisition for additional land of new well pads in 2021 for Dieng-2 and land required for Patuha-2.

**Table 3-2. Summary of Impacts related to Social Safeguard Documents in Dieng 2 and Patuha 2**

Activity	Dieng Unit 2 Sub Project			Patuha Unit 2 Sub Project		
	Approved Draft RP 2019	Approved LARP 2021	Final Draft Addendum LARP 2022	Approved Due Diligence Report (DDR)	Final Draft LARP 2022	Draft DDR 2022
<b>Land Requirement</b>	Power Plant (well pads), transmission line and substation	Expansion of Land for Drilling Activity (well pad 7, 9, 30)		Well pad PPL 1, 4, 5, 6, 7 and Loc BB (Wellpad 9)	Replacement Land of IPPKH for the area of Well pad 9 (Loc BB), ROW between Wellpad 9 (Loc BB)	Location H, J, I, temporary Office, dormitory area, booster B area and Cipaku water intake area, and water pipeline from Cikapu to Booster B, Boster B to Location I and Location I to Location J.
<b>Land owned by GDE</b>	305,279 m <sup>2</sup> (or 30.53 ha) <sup>3</sup>	-				
<b>Privately owned land (Purchased)</b>	3,010 m <sup>2</sup>	8,578 m <sup>2</sup>	Changed to 8,651 m <sup>2</sup>	-		
<b>Privately owned land (Leased)</b>	-	3,881 m <sup>2</sup>		-		
<b>Government land (leased)</b>	-	-				
▪ <b>Perhutani Land (IPPKH)</b>				134,060 m <sup>2</sup>	60,729.24 m <sup>2</sup>	
▪ <b>PTPN Land (HGU)</b>				189,625 m <sup>2</sup>		282,808 m <sup>2</sup>

<sup>3</sup> Of which approximately 6 ha is existing pipeline and inspection road ROW under which the TL cable will be buried.



Activity	Dieng Unit 2 Sub Project			Patuha Unit 2 Sub Project		
	Approved Draft RP 2019	Approved LARP 2021	Final Draft Addendum LARP 2022	Approved Due Diligence Report (DDR)	Final Draft LARP 2022	Draft DDR 2022
<b>Sub-Total</b>	308,289 m <sup>2</sup>	12,459 m <sup>2</sup>	Changed to 12,532 m <sup>2</sup>	323,685 m <sup>2</sup>		
<b>Predominantly potatoe, some vegetables, and carica</b>	43,735 m <sup>2</sup>	12,459 m <sup>2</sup>	Changed to 12,532 m <sup>2</sup>			
▪ <b>crops cultivated by land owners</b>	3,010 m <sup>2</sup>	12,459 m <sup>2</sup> (Potatoe, Chili, Orion Green Carika)	Changed to 12,532 m <sup>2</sup>	N/A		
▪ <b>crops cultivated by land users</b>	40,725 m <sup>2</sup>	-		N/A		
<b>Number of affected land owners</b>	5 households 21 persons (HH members)	3 Households, 11 APs			27 households	
<b>Number of land owners and also land users (tenant farmers)</b>	1 household 6 persons (HH members)	-		N/A	1 household	
<b>Number of affected land users / land workers</b>	23 households 79 persons (HH members)	10 Households, 28 APs	-	N/A	2 households	

Activity	Dieng Unit 2 Sub Project			Patuha Unit 2 Sub Project		
	Approved Draft RP 2019	Approved LARP 2021	Final Draft Addendum LARP 2022	Approved Due Diligence Report (DDR)	Final Draft LARP 2022	Draft DDR 2022
<b>Lease coordinator<sup>4</sup> (indirect impact)</b>	4 households 21 persons (HH members)	-	-	N/A		
<b>Total number of severely affected people (lose &gt;10% of productive land or &gt;10% of income source)</b>	24 households 86 persons (HH members)	5 Households, 19 AHs		N/A	30 households	
<b>Total number of vulnerable people</b>	14 households 47 persons (HH members)	11 Households, 38 APs		N/A		
▪ <b>Number of poor households<sup>5</sup></b>	2 households 9 persons (HH membes)	5 Households, 19 APs		N/A	1 household	
▪ <b>Number of poor and landless households</b>	2 households (9 household members)	-		N/A		
▪ <b>Number of elderly headed</b>	1 household (2 household	2 Households, 7 APs		N/A	8 households	

<sup>4</sup> Lease coordinators are the parties who leased the land from KODIPA as stated in LARP 2019.

<sup>5</sup> Per capita income/month below Kab. Banjarnegara poverty line of Rp. 278,210 for 2017.

Activity	Dieng Unit 2 Sub Project			Patuha Unit 2 Sub Project		
	Approved Draft RP 2019	Approved LARP 2021	Final Draft Addendum LARP 2022	Approved Due Diligence Report (DDR)	Final Draft LARP 2022	Draft DDR 2022
<b>households (cannot cope with daily work)</b> 6	members)					
▪ <b>Number of elderly and landless households</b>	3 households (7 household members)	-		N/A		
▪ <b>Number of Landless</b>	6 households (14 household members)	4 Households, 7 APs		N/A	2 households	
<b>Budget Cost (IDR)</b>	<b>21,351,000.00</b>	<b>36,089,151,740.80</b>	<b>Changed to 30,826,838,499.63</b>	<b>20,374,200.00</b>	<b>17,951,387,726</b>	<b>N/A</b>

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<sup>6</sup> Total no. of elderly households is 4 of which 3 HH are also landless.

## 4. DETAILED RESETTLEMENT IMPLEMENTATION PROGRESS

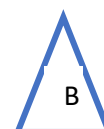
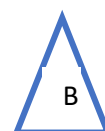
### A. General Progress in Land Acquisition and Resettlement Plan Implementation

39. This semi-annual social safeguard monitoring report presents the status of the implementation of the RP 2019 and LARP 2-21 for Dieng 2 Sub-project and DDR CAP 2019 for Patuha 2 Sub-project for the period from July to December 2022. Related activities in coordination with PMU, carried out to ensure that the compensation that has been paid is appropriate and benefits for all affected people in accordance with the LARP 2021, Addendum LARP 2022 Dieng 2 and LARP 2022 Patuha 2, and also presents the affected persons for the replacement land of forrest land (IPPKH).

#### 1. Dieng 2 Sub-Project

##### a) Land Clearing

40. As indicated in the Dieng 2 RP (2019), a total of 4 Ha of GDE-owned land (ex PLN/ GDE mess site) has been cleared for the project. The land clearing was carried out following the procedure set forth in the Presidential Regulation No. 62/2018 with the involvement of “*Tim Terpadu*” (Integrated Team) established by the Central Java Governor.
41. **In the previous semi-annual monitoring report**, GDE had conducted internal monitoring of the implementation of RP Dieng 2019 supported by PMC Social Safeguards in March 2022. The Internal Monitoring of RP Report that had been submitted to PMU as part of previous social safeguard semi-annual monitoring report. The monitoring result confirmed that fair replacement value of compensation in the land clearing implementation was IDR 1,472,838,998 calculated by independent appraiser and based on the recommendation of the Integrated Team legalized by Central Java Governor’s Decree No.: 590/0010405, dated July 23, 2020. This total amount was higher than RP Dieng 2019 calculation with IDR 1,357,000,000. All of payment process carried out through bank account of AHs which show no deductions in the payment process.
42. **In term of monitoring the AHs/APs condition after receiving the compensation**, GDE had carried out the internal monitoring of RP Dieng 2019 implementation supported by PMC Social Safeguard during 24 – 31 March 2022. The total respondents that has been interviewed were about 25 AHs out of total 27 AHs, consisting of 21 AHs of land users or tenant farmers and 4 lease coordinators. By the survey, PMU-PMC Social Safeguard Team at the same time confirms to the AHs regarding the calculation of compensation and its benefits (as stated in the findings of the report). If PMU has to hold another public consultation for the AHs (hold too many meetings for them), it is feared that there will be a lot of expectations for the AHs.
43. **Progress during July - December 2022**. To monitor land clearing activities, PMU supported by PMC Social safeguard had recruited external monitoring consultant with bidding process was conducted on October 2, 2022. EMA consultant conducted a field assessment in Dieng during November-December 2022. They are in developing the final report to be sent to PMU by January 2023. One of EMA consultant’s scope of work according to the TOR, is to monitor the implementation of compensation to cultivators at Mess EX-PLN, as well as the condition of cultivators before and after compensation was given. The EMA’s study will be reported in the next semi-annual monitoring report.



**b) Additional Land Acquisition for 6 Landowners**

- 44. GDE has planned to acquire an additional 3,010 m<sup>2</sup> of land that will be required for a 10 m wide and approximately 301 m long corridor to serve as ROW for construction of a new pipeline and access road from well pad 9 to the proposed site of the Dieng-2 power plant. As indicated in the Draft RP of 2019, the required land is owned by 6 people.
- 45. **In the previous semi-annual monitoring report**, based on The Corrective Action Plan (CAP) of ADB Mission carried out in April 2022, it stated that the land from six (6) landowners for the access road from Well Pad 9 to the new substation at Pad 38 would no longer be acquired due to changed alignment and the landowners had been informed about that. ADB recommended that GDE or PMU would assess the new alignment and revise the LARP Dieng 2021 for the new alignment from pad 9 to pad 38 by 31<sup>st</sup> July 2021. However, due to the technical design was not yet available, the LARP document revision should be postponed until the new design was completed.
- 46. **For the monitoring report July - December 2022**, The well pad 38 moved to well pad 29, as seen in the civil work status in Section 1.C., thus PMU did not conduct any additional study for this new design. GDE has decided to relocate the power plant from Pad 38 to Pad 12 through the minute of Directors' meeting 52/XI/2022 on November 7, 2022. The power plant relocation has an impact on its supporting activities, such as the provision of a new alignment of the pipeline between the previous GDE 2 power plant in pad 38 and pad 9 as mentioned in CAP ADB mission on April 5, 2022. Based on coordination results with the engineering team, the new alignment is no longer required.

**c) Additional Land Acquisition and Amendment of Additional Land Requirements for Drilling Activities**

- 47. **In the previous semi-annual monitoring report**, it was stated that GDE had prepared LARP document of additional land for well pad expansion during September – December 2021 and ADB approval was provided on December 21, 2021. The details of the location and land allotment can be seen in Table 4-1.

**Table 4-1. Additional Land Requirement for Dieng Unit 2 Project**

No	Well pad	Total Land Area (m <sup>2</sup> )	Proof of Ownership	Land Allotment	Land Acquisition Methode
1	Well pad 7	5,663	Certificate	Rig equipment layout with mini camps and drilling well	Purchased
2	Well pad 9	2,915	Certificate	Water pond, well testing and maintenance (permanently used during exploration and production)	Purchased
3	Well pad 30	3,881	Certificate	Water/mud pond used during exploration only	Leased
	<b>Total</b>	<b>12,459</b>			

Source : LARP of Additional Land for Well Pad Expansion, 2021

48. **For the monitoring report July - December 2022**, GDE sought legal opinion on the initial measurement and valuation result from the Provincial Auditors (BPKP) prior to the payment. One of the provincial auditor's recommendations was for GDE to use the area of land written in the land certificates as a basis for compensation, rather than the measurement from the land office, which was recommended in a letter issued by the Provincial Auditor Letter on 13 December 2021. In response to the recommendation, GDE issued the letter No. 120/PRO-08-GDE/XII/2021 dated December 14, 2021, asked the appraisal team to conduct a re-evaluation of compensation, to refer to the areas listed in the AHs certificates, as was recommended by the auditor. The re-valuation was held on December 16, 2021.
49. The Notary requested verification of the affected area listed in the certificates in order to prepare a deed of sale and purchase land. The District Land Office re-measured the land and found a difference in additional land pads 7 and 9. GDE assigned an independent appraiser to update the valuation of additional land of pads 7 and 9 based on the new measurements of the affected area. The 3<sup>rd</sup> re-valuation of compensation for these areas was prepared by the independent appraiser on September 13, 2022, referring to the latest affected land measurements, from December 2021. The summary of the affected areas for the Dieng 2 project can be seen in the Table 4-2 below.

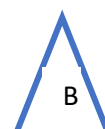
**Table 4-2. The Comparison of Total Additional Land Requirement for Dieng 2 Project**

Land Requirement	Total Affected Area based on First Measurement by Land Office	Total Affected Area based on area listed in the Certificates	Total Affected Area based on second measurement by Land Office*	Location
	1 <sup>st</sup> valuation by 12 Nov 2021	2 <sup>nd</sup> valuation on 16 Dec 2021	3 <sup>rd</sup> valuation on 13 Sept 2022	
Well pad 7	5,663	5,610	5,709	Karangtengah Village
Well pad 9	2,915	2,890	2,942	
Well pad 30	3,881	3,881	3,881	
<b>Total</b>	<b>12,459</b>	<b>12,381</b>	<b>12,532</b>	

\*as requested by the notary.

Source: Addendum LARP Dieng 2, December 2022.

50. Based on the adjustment mentioned above, and on the notary's letter regarding BPN re-measurement survey, the independent appraiser prepared the third valuation report dated September 13, 2022. This report had been used as a basis for this 2022 Addendum to the 2021 Dieng LARP.
51. The semi-annual monitoring July - December 2022 noted that the value compensated is close to the Office of Public Appraisal Service (KJPP) appraisal, which was IDR 143,700,000 per year. There is a higher price of IDR 6,300,000 per year between the rental price according to the approved LARP Dieng 2021 and the actual payment. The actual payment is higher than approved LARP Dieng 2021, so the additional payment is not required to be paid by GDE to the landowner.
52. Based on Final Draft Addendum LARP Dieng 2022, it is concluded that the total full replacement cost in the third valuation was higher than the first valuation and second

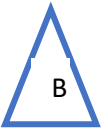




valuation. The third valuation is the amendment valuation result which will be used as the basis for GDE to top up the land acquisition payments to landowners for the expanded land areas under Addendum LARP. Thus, GDE will deliver the difference between the third valuation and the previous delivered payment in January 2023, the budget has been allocated. So the total top up compensation for additional land in well pad 7 is **IDR 926,139,750** and well pad 9 is **IDR 398,583,000** as described in Table 4-3 below.

**d) Due Diligence Assessment for Additional Project Component**

53. **In the previous semi annual report**, based on Aide Memoire Loans 3928 and 8380 - INO: Geothermal Power Generation Project (GPGP) Safeguards and Loan Review Missions, 7 – 11 March 2022 and 22 March – 4 April 2022, PMU will conduct social safeguards due diligence or assessment for the project components which have not been covered in the Draft RP Dieng 2019 and LARP Dieng 2021, include well pads of 12, 14, 15, 17, 18, 29, 32, and disposal pad 33.
54. **The progress implementation during July - December 2022**, the CAP in November 2022 had updated that PMU would be assisted by PMC social safeguard to prepare the DDR document required for additional project components. The Due Diligence Report for Dieng was in development process for technical aspects and the field survey was conducted on 19 - 26 September 2022. The DDR report needs to be completed by technical data of socio-economic analysis, and the document will be submitted to PMU and ADB in January 2023.



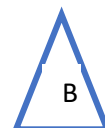
**Table 4-3. The Comparison of Total Replacement Value for Each Valuation**

Description	Pad 7			Pad 9		
	Hajah HARDATI Wife of HADI MANSYUR			MULYONO BOLOT/AHMAD SAID		
	First Valuation/ LARP 2021	Second Valuation/ Dec 16, 2021	Third Valuation/ Sept 13,2022 (Amendment)	First Valuation/ LARP 2021	Second Valuation/ Dec 16, 2021	Third Valuation/ Sept 13,2022 (Amendment)
Total Land Required (m <sup>2</sup> )	5,663	5,610	5,709	2,915	2,890	2,942
Land Price/m <sup>2</sup> (IDR)	3,097,370	3,097,370	3,100,000	2,477,896	2,477,896	2,600,000
Recommendation of Compensation of Affected Land (IDR) (A)	17,540,406,310	17,376,245,700	17,697,900,000	7,223,066,840	7,161,119,440	7,649,200,000
Recommendation of compensation crops (IDR) (B)	277,142,162	260,657,444	0	120,040,088	114,117,212	0
Recommendation of Non-Physical Value (IDR) * (C)	1,082,424,379	1,072,574,742	926,139,750	469,984,000	466,267,200	398,583,000
Fair Replacement value (IDR) (A+B+C)	18,899,972,851	18,709,477,886	18,624,039,750	7,813,090,928	7,741,503,852	8,047,783,000
<b>Delivering Payment of Compensation (IDR) in cash</b>	<b>17,697,900,000</b>			<b>7,649,200,000</b>		
<b>Top Up Compensation (IDR)</b>			<b>926,139,750</b>			<b>398,583,000</b>

## 2. Patuha 2 Sub-Project

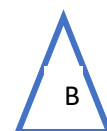
### a) Land acquired and leased from PTPN VIII Rancabolang

55. **In the previous semi annual report**, it was stated that the land acquired (since 2004) and leased from PTPN VIII Rancabolang (since 2010) for the existing Patuha Power Plant complex is available and sufficient for the construction of the following proposed Patuha-2 sub-project components: (i) Proposed Patuha-2 power plant; (ii) Transmission lines from proposed power plant (Loc GPP) to sub-station; (iii) Four proposed new wells at Loc U, Loc A and Loc W; (iv) New pipeline from Loc A to Loc W, a segment between Loc W and Loc V<sup>7</sup>, from Loc U to Loc GPP (Patuha-2 power plant), and a segment between Loc G to Loc GPP.
56. Revised, thanks The land to be acquired from PTPN VIII Rancabolang had been leased for pipeline and the lease had expired in December 2020. The procedure of renewal extension refers to the GDE's Decree No. 014.2.SK/PST.00-GDE/VI/2015 concerning Standard Operation and Procedures, section 18 on Procedure of Procurement and Borrowing of Plantation Land. A principle permit on the renewal extension of land lease was signed by the PTPN 's Director on 25 October 2020. Based on this principle permit, PTPN agreed to renew the extension for the next 10 years. PTPN VIII Rancabolang has approved the addendum agreement No. PRJ/III.4/1876/XI/2020; 029/PJ/PST.00-GDE/XI/2020 on 26 November 2020, the validity period remains until 16<sup>th</sup> December 2030.



### b) Land leased from the PT Perum Perhutani.

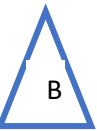
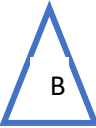
57. Based on SK.32/1/KLHK/2021 dated 18 January 2021 issued by the Head of the Investment Coordinating Board of Minister of Environment and Forestry, then GDE became the holder of a Borrow-Use Forest Area Permit / Izin Pinjam Pakai Kawasan Hutan (IPPKH) covering an area of 2.82 Ha. The area is being used for Patuha Unit 2 project. As a compensation, GDE handed over compensation land with a ratio of 1 : 2. The replacement land of IPPKH is in the area of Sugihmukti, Pasir Jambu District, Bandung Regency. Based on the results of consultation meeting conducted between PMU and The Forestry Agency of West Java on November 11, 2021, there are several things that must be prepared related to the preparation of IPPKH 2 replacement land, such as (1.) Map; (2.) Land Status; (3.) Proof of land ownership; and (4.) Statement from the Government that the land is not a disputed land.
58. Related to IPPKH Patuha 2 replacement land, the approval from the Ministry of Environment and Forestry was issued on March 14, 2022 through Letter Number S.378/Menlhk-PKTL/REN/Pla.0/3/2022 regarding the Approval of Compensation Land covering an area of 6.05 Ha for a Borrow-to-Use Forest Area Permit for Geothermal Unit 2 Activities. Approval of landowners was received on 17 November 2022 and followed up by BOD's approval and payment delivered in December 2022. The whole documents will be submitted to Ministry of Environment and Forestry.



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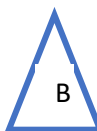
<sup>7</sup> The other part of the segment is in protected forest (for which IPPKH has already been obtained).

59. **For the progress during July - December 2022**, ADB sent comments for the 2<sup>nd</sup> draft LARP Patuha-2 Document to PMU on 16 August 2022. Since 22 August 2022, PMU had hired an independent appraiser, namely KJPP Firman Azis, for one (1) monthly assignment. The valuation result from the independent appraiser was used as a reference in LARP document. In addition, PMC Social Safeguard prepared and submitted the draft framework for IPPKH land compensation negotiation in Sugihmukti Village, Pasirjambu District to PMU on 30 September 2022.
60. PMU conducted negotiation with landowners on 14 October, 2022, in Ciwidey Pasirjambu District with result all landowners objected to the land value given by Independent Appraisal. The Independent Appraisal had conducted another field survey in nearby replacement land of IPPKH to assess the land price as proposed by landowners. However, the Independent Appraisal could not re-valuate the designated land area due to the land condition in nearby area was not match with the compensation land condition. The land location is different, so the land value is also different. Based on this condition PMU conducted a re-negotiation with landowners on 17 November 2022. PMU and landowners had an agreement related to the fixed land value.
61. The LARP for replacement land Patuha 2022 has been revised and submitted to PMU on 28 November 2022. There were some comments from ADB and PMU on the LARP Patuha document back and forth, and the document had been revised based on the comments and input by the PMC Social Safeguard team. The submission of the revision document officially to PMU was on 9 December 2022, 26 December 2022, and 28 December 2022.



### c) Due Diligence Assessment for Additional Project Component

62. **In the previous semi annual report**, the additional project components for Patuha 2 sub-project was not confirmed yet.
63. **For the progress during July - December 2022**, based on the updated CAP in November 2022, The DDR document for Patuha 2 is covering project components which have not been covered in the approved DDR 2019, include: Location H, J, I, Temporary Office, Dormitory Area, Booster B area and Cipaku Water Intake area, and water pipeline from Cipaku to Booster B, Booster B to Location I and Location I to Location J. The additional project components are located in PTPN VIII Rancabolang on the land leased/used status in three villages and three sub-district, i.e. Panundaan Village in Ciwidey Sub-District, Alamendah Village in Rancabali Sub-district, Sugihmukti Village in Pasir Jambu Sub-district. HGB certificate and written leased agreement have been obtained by GDE.
64. **Release of PTPN's land to GDE for geothermal development facilities** was carried out in 2004 after obtaining approval from the Minister of State-Owned Enterprises (SOE) and the Minister of Finance in 2003. In 2004, an agreement was made between PTPN VIII Rancabolang and Geodipa on acquisition of PTPN's land to be used for Geothermal facilities ( Letter of Agreement Number SP/D.III/812/IX/2004 No.KTR.003/GDE/IX/2004). The letter stipulated the agreement to relinquish 367,569 m<sup>2</sup> of Rancabolang plantation land and 20,237 m<sup>2</sup> of Rancabali plantation land covering an area of 279,948 m<sup>2</sup> covering Location H, Location GI & SY, Location I, Location J, Dormitory Area, Booster B and Cipaku Water Intake. The agreement provides that compensation payment for land and other affected asset would be made in 12 stages until the year of 2006. Determination of the value of compensation was carried out by the Directors of PTPN VIII by establishing a Price Estimator Committee consisting of a PTPN VIII representative (official), a representative of the Ministry of SOE (staff) and other relevant institutions.



Certification of the acquired land was carried out in 2010 and completed in 2016. Building Use Right certificate-HGB certificate issued by National Land Agency (BPN) and West Java Land Office on behalf of Geodipa, valid until 2045, 2046 and 2050.

65. The Minister of SOE issued a regulation that prohibits the sale of assets owned by state owned enterprise (SOE) in 2010. Therefore from 2010 onwards PTPN's land use for developing geothermal facilities was carried out by **leasing** instead of acquisition. The provision of leasing procedure was regulated in the GDE Director Decree No. 014.2.SK/PST.00-GDE/VI/2015 concerning Standard Operation and Procedures, section 18 on Procedure of Procurement and Borrowing of Plantation Land.

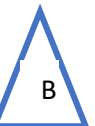
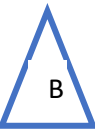
a. **Phase 1:** The land leased was to be previously completed by the Patuha Power

66. DDR survey activities for Patuha Unit 2 was conducted on 19 - 26 September 2022. PMC has submitted the Draft DDR Patuha 2022 to ADB on 30 October 2022 and ADB have given comments to the draft report in early November 2022. The revision draft report has been submitted to PMU on 28 November 2022. In December 2022, based on input from ADB on DDR Patuha 2022, then PMC revised and submitted the second revision document to PMU officially on 21 December 2022.

## B. Consultation, Participation, and Information Disclosure

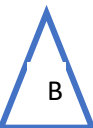
67. Meaningful consultation, participation, and information disclosure are processes that (i) begin early in the project preparation stage and are carried out on an ongoing basis throughout the project cycle; (ii) provide timely disclosure of relevant and adequate information that is understandable and readily accessible to affected people; (iii) are undertaken in an atmosphere free of intimidation or coercion; (iv) are gender inclusive and responsive, and tailored to the needs of disadvantaged and vulnerable groups; and (v) enable the incorporation of all relevant views of affected people and other stakeholders into decision making, such as project design, mitigation measures, the sharing of development benefits and opportunities, and implementation issues. The detail of those activities in each area of the sub-project is explained below respectively in point 1 and 2.

68. **Disclosure.** All social safeguards plan document and monitoring report that have been approved by ADB, was uploaded into ADB and GDE website. The documents namely July to December 2021 SSMR, New LARP for additional land in Dieng 2 Sub-Project, Resettlement Plan 2019, Due Diligence Report 2019, Semi-Annual Social Safeguard and Resettlement Monitoring Report (July – December 2020), Semi-Annual Social Safeguard and Resettlement Monitoring Report (January – June 2021), Land Acquisition and Resettlement Plan (Additional) 2021, Semi-Annual Social Safeguard and Resettlement Monitoring Report (July – December 2021), Semi-Annual Social Safeguard and Resettlement Monitoring Report (January – June 2022). As of December 2022, the LARP Patuha, DDR additional components Patuha, and LARP Dieng (addendum) are being finalized and submitted to ADB in the following month, then to disclose as well.



## 1. Dieng 2 Sub-Project

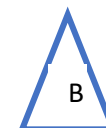
69. **In the previous semi-annual monitoring period of June – December 2021**, GDE had continued its consultation activities, organizing meetings with larger groups while still implementing the Covid-19 preventive health protocol. There were 33 consultations that participated by 536 persons, consisting of 117 female and 419 male, also about 100 more participants who could not be identified the sex-disaggregated data. The topics of the meeting varied, including grievances, project socialization, meetings related to livelihoods assessment, recruitment of local workers and meetings in preparation for Well Pad 31A well testing. In every consultation, efforts are always made so that the representation of women in the forum can be achieved, not only in terms of numbers but is also expected to be able to capture the thoughts and hopes of women's groups.
70. **Consultation during period of July - December 2022.** Between July and December 2022, the consultations agenda involving a number of parties, ranging from the community, village government, sub-district government, district government, media and relevant stakeholders. There were 28 consultations that participated by 409 persons consisting of 104 female and 305 male, with agendas divided into:
- Two consultations related to women business or MSMEs.
  - Six consultations related to well-testing.
  - One consultation related to social issue in Karangtengah Village.
  - Five consultations related to complaints Pad 38.
  - One consultation related to NGO.
  - One consultation related to news in social media.
  - One consultation related to mobilization complaint.
  - Four consultations related to current community livelihood.
  - Three consultations related to Tower Assessment of Garung-Wonosobo.
  - One consultation related to social issue in Bakal and Karangtengah Village.
  - Two consultations related to issue in Pad 30.
  - One consultation related to preparation of Power Plant public consultation.
71. Consultation during July to December 2022 in Dieng Unit 2 are summarized in Table 4-4.





**Table 4-4. Summary of Other Consultations Related to Dieng-2 Sub-Project (July to December 2022)**

No	Date	Topic	Key Issues	Meeting Type / Method	Venue	Participants		Key Person Present (PMU / PMC / Stakeholders)
						F	M	
<b>A</b>	Consultations related to women business or MSMEs							
1	19-Jul-22	FGD with Women's Group in Dieng Kulon Village	(1) Obtain information about women's activities in Dieng Kulon Village, (2) Obtain information about the business carried out by women's groups in Dieng Kulon Village, (3) Obtain information about the challenges faced by women in developing their businesses	FGD	Dieng Kulon	10	5	ADB Team, PMU and PMC Social Safeguard Team, Dieng Unit 2 Team and women's group from Dieng Kulon
2	20-Jul-22	FGD with Women's Group in Karang Tengah Village	(1) Obtain information about women's activities in Karangtengah Village, (2) Obtain information about the business carried out by women's groups in Karangtengah Village, (3) Obtain information about the challenges women face in developing their businesses	FGD	Karangtengah Village Office	11	2	PMC Safeguard Team, Dieng Unit 2 and ADB Team
<b>B</b>	Consultations related to well-testing							





No	Date	Topic	Key Issues	Meeting Type / Method	Venue	Participants		Key Person Present (PMU / PMC / Stakeholders)
						F	M	
1	19-Jul-22	FGD with Pawuhan Sub-Village Community at Radius 200 m – 300 m	(1) Obtain information about the well testing activities that have been carried out at Well Pad 31A in June 2022, (2) Obtain information about community experiences during well testing, (3) Obtaining information and community complaints related to well testing activities at Well Pad 31A, (4) Obtaining information related to the expectations of community in the future	FGD	Karangtengah Village Office	9	8	PMU and PMC Safeguard Teams, Dieng Unit 2, representatives of the Karangtengah Village government, and representatives of the Pawuhan community
2	20-Jul-22	FGD with the Pawuhan Sub-Village Community at a Radius of 200 m – 300	(1) Obtain information about community respond toward GDE activity, (2) Obtain information about community respond in radius of 200-300 m toward the well testing activities that have been carried out at Well Pad 31A in June 2022.	FGD	Karangtengah Village Office	8	13	ADB, PMU, PMC Safeguard Teams, Dieng Unit 2, representatives of the Karangtengah Village government, and representatives of the Pawuhan community
3	20-Jul-22	FGD With the Siaga Pawuhan Team	(1) Obtain information related to the experience of the Siaga Pawuhan Team during the well	FGD	Karangtengah Village Office	4	4	The Siaga Pawuhan Team, this meeting was also attended by the ADB

No	Date	Topic	Key Issues	Meeting Type / Method	Venue	Participants		Key Person Present (PMU / PMC / Stakeholders)
						F	M	
			testing process at Well Pad 31A, (2) Obtain input from the Siaga Pawuhan Team regarding well-testing at Well Pad 31A					Team, the PMC Safeguard Team and Dieng Unit 2
4	30-Aug-22	Coordination with Karangtengah Village and Krajan Sub-village Heads to Discuss Assessment at SLR-T-9C, Dieng 2	(1) Inform the heads respectively the social assessment activities to prepare for well testing at SLR-T- 9C, (2) Request input from the Head of Sub Village (Dusun) Krajan for recruiting enumerators from the Dusun to collect data of socio-economic from land owners in a 300 meter radius from Well Pad 9, (3) Request input from the Head of Krajan Hamlet for recruiting the Rojimur and Senkom teams from the Dusun	Coordination	Karangtengah Village and Krajan Hamlet Heads' houses separately	2	5	PMC Social Safeguard and Dieng Unit 2 teams, Head of Karangtengah Village and of Krajan Hamlet.
5	18-Okt-22	Meaningful Consultation on the Well Testing Pad 9C with Krajan Community	Provide information to the affected persons in Karangtengah village regarding the well testing activity in Pad 9C, including its risk and mitigation	Meaningful consultation	Pad 9 located in Krajan Sub-village, Karangtengah village	2	53	Dieng 2 Social Safeguard, PMC Social Safeguard, PMC Sub-surface, Contractor, The Head of Krajan Sub-village, Krajan Community.

No	Date	Topic	Key Issues	Meeting Type / Method	Venue	Participants		Key Person Present (PMU / PMC / Stakeholders)
						F	M	
6	19-Dec-22	Meaningful Consultation with Krajan, Karangtengah Community on the Bleeding Process Completion for Well Testing SLR-T-9C	Inform to the Krajan, Karangtengah Community about the completion of bleeding process and the start of the steam, brine carryover, noise, and vibration that will be produced by well testing SLR-T-9C	Meaningful consultation	Temporary Office Dieng 2 Project	13	23	PMU, PMC Communication & GRM, PMC Well Testing, Contractor Well Testing, and 29 representatives from Krajan, Karangtengah.
<b>C</b>	Consultation related to social issue in Karangtengah Village.							
1	20-Jul-22	FGD with Karangtengah Community Regarding Complaints	(1) Obtain the complaints from Karangtengah community, (2) Obtain how GDE handled and resolved those complaints, (3) Obtain the concerns and comments from local community regarding the project progress and activities	FGD	Karangtengah village hall office	1	8	ADB team, PMU Safeguard team, Dieng Unit 2, the representatives of Karangtengah village officer, and PMC Communication and GRM
<b>D</b>	Consultations related to complaints Pad 38							
1	21-Jul-22	FGD With Krajan Community Regarding Well Pad 38	(1) Obtaining information regarding community complaints related to the power plan development plan in Pad 38, (2) Get input from the community regarding the issues that	FGD	Dieng Unit 1 Office	6	14	ADB Team, PMU-PMC Safeguard Team, Dieng Unit 2 Team, and PMC Civil Team

No	Date	Topic	Key Issues	Meeting Type / Method	Venue	Participants		Key Person Present (PMU / PMC / Stakeholders)
						F	M	
			occurred in Pad 38, (3) Get information about community expectations related to issues in Pad 38					
2	7-Aug-22	Meeting with the Head of Karangtengah Village, Dieng 2	Discussion on the Pad 38 opening plan	Discussion	House of the Karangtengah Village Head	0	3	PMU HSE Manager, PMC Social Safeguard and Karangtengah Village Head
3	10-Aug-22	Coordination with Forkopimda Banjarnegara and Forkopimca Batur, Dieng 2	Coordination meeting discussing the progress and activity plan for well pad 38	Coordination	GDE Office in Dieng Unit 1	0	10	<ol style="list-style-type: none"> <li>1. Bupati Banjarnegara</li> <li>2. Kepala Urusan Umum Banjarnegara</li> <li>3. Camat Batur</li> <li>4. Danramil Batur</li> <li>5. Kapolsek Batur</li> <li>6. Manager PT. Geo Dipa Energi Dieng</li> <li>7. Dieng 2 Patuha 2 Project Manager PT. Geo Dipa Energi</li> <li>8. Dieng 2 Project Site Manager PT. Geo Dipa Energi</li> <li>9. Dieng 2 Patuha 2 Project HSE Assistant Manager PT. Geo Dipa Energi</li> </ol> PMC Communication and GRM

No	Date	Topic	Key Issues	Meeting Type / Method	Venue	Participants		Key Person Present (PMU / PMC / Stakeholders)
						F	M	
4	15-Aug-22	Coordination with Forkopimda Banjarnegara, Dieng 2	Elaborate more detail about the well pad 38 opening plan, risks that might occur, and steps to mitigate the risks	Coordination	GDE Office Unit 1	0	15	<ol style="list-style-type: none"> <li>1. Bupati Banjarnegara</li> <li>2. Head of DPRD Banjarnegara</li> <li>3. Sekretaris Daerah Banjarnegara</li> <li>4. Kapolres Banjarnegara</li> <li>5. Dandim Banjarnegara</li> <li>6. Kepala Pengadilan Negeri Banjarnegara</li> <li>7. Kepala Seksi Intelijen Kejaksaan Negeri Banjarnegara</li> <li>8. Camat Batur</li> <li>9. Danramil Batur</li> <li>10. Kapolsek Batur</li> <li>11. Karangtengah Head of Village</li> <li>12. Manager PT. Geo Dipa Energi Dieng</li> <li>13. Dieng 2 Project Site Manager PT. Geo Dipa Energi</li> <li>14. HSE and Social Safeguard Manager PT. Geo Dipa Energi</li> <li>15. PMC Communication and GRM</li> </ol>

No	Date	Topic	Key Issues	Meeting Type / Method	Venue	Participants		Key Person Present (PMU / PMC / Stakeholders)
						F	M	
5	24-Aug-22	Meaningful Consultation with Well Pad 38 Community and Forkopimca Batur for Dieng 2	Discussion on the well pad 38 latest situation and activity plan	Meaningful consultation	Banjarnegara	0	12	<ol style="list-style-type: none"> <li>1. Sukadi (Kapolsek Batur)</li> <li>2. Toto (Babinsa Karangtengah)</li> <li>3. Mukhodin (Karangtengah Head of the village)</li> <li>4. Tri Martono (Karangtengah village officers)</li> <li>5. Sutarman (Danramil)</li> <li>6. Aji Piluroso (Camat Batur)</li> <li>7. Izzudin (PM Dieng 2)</li> <li>8. Ray Armand (HSE &amp; Safeguard Manager)</li> <li>9. Sigit (HSE Superintendent Dieng 2)</li> <li>10. Slamet (Social Safeguard Dieng 2)</li> <li>11. Himawan (Social Safeguard Dieng 2)</li> <li>12. Iwan Pribadi (PMC Communications and GRM)</li> </ol>
<b>E</b>	Consultation related to NGO							
1	21-Jul-22	FGD with Banjarnegara NGO	(1) Obtain information related to NGO views on Dieng 2 activities, (2)	FGD	Dieng Unit 2 Office	9	16	ADB Team, the PMU-PMC Safeguard Team and the Dieng

No	Date	Topic	Key Issues	Meeting Type / Method	Venue	Participants		Key Person Present (PMU / PMC / Stakeholders)
						F	M	
			Obtain information about NGO expectations related to Dieng 2 activities					Unit 2 Team
F	Consultation related to news in social media							
1	15-Aug-22	Meaningful Consultation with the Administrators of Banjarnegara-based Social Media Accounts for Dieng 2	Gather and confirm the Administrators of Banjarnegara-based Social Media Accounts perceptions about GDE D2P2 Projects, and request support for the project	Meaningful consultation	Banjarnegara	0	11	<ol style="list-style-type: none"> <li>1. Rofiq (Need Feed)</li> <li>2. Sofyan (Instambanjar)</li> <li>3. Tri Iga Y (Banjarnegara24Jam)</li> <li>4. Akhmad A (Pesonabanjarnegara)</li> <li>5. Yan Fauzul I (Infocepat Banjarnegara)</li> <li>6. Andrea Kusdiantoro (Humas Polres)</li> <li>7. Agung DP (Humas Polres)</li> <li>8. Ray Armand (HSE and Safeguard D2P2 Project PT. Geo Dipa Energi)</li> <li>9. Slamet Riyadi (Humas Dieng 2 Project PT. Geo Dipa Energi)</li> <li>10. Himawan (Staff</li> </ol>

No	Date	Topic	Key Issues	Meeting Type / Method	Venue	Participants		Key Person Present (PMU / PMC / Stakeholders)
						F	M	
								Humas Dieng 2 Project PT. Geo Dipa Energi) 11. Iwan Pribadi (PMC Communication and GRM)
<b>G</b>	Consultation related to mobilization complaint							
1	31-Aug-22	Meaningful Consultation with the Contractor, Complainant, and Head of Krajan Sub-village, Dieng 2	Discussion on the grievance solution for a local community from Karangtengah Village named Santo who was claiming that his home was affected and having cracks by the drilling mobilization activities held by the contractor named Supraco	Meaningful consultation	Dieng Kulon	1	7	Representatives from GDE, contractor, complainant, the head of Krajan sub-village, and PMC Communication and GRM person.
<b>H</b>	Consultations related to current community livelihood							
1	22-Sept-22	FGD on Livelihood	Part of data collection in DDR related to current community livelihood	FGD	Temporary Office	3	6	PMU-PMC Safeguard, Kepakisan Community.
2	22-Sept-22	FGD on Livelihood	Part of data collection in DDR related to current community livelihood	FGD	Temporary Office	6	8	PMU-PMC Safeguard, Bakal Community.
3	23-Sept-22	FGD on Livelihood	Part of data collection in DDR related to current community livelihood	FGD	Village Office of Sikunang	5	9	PMU-PMC Safeguard, Sikunang Community.



No	Date	Topic	Key Issues	Meeting Type / Method	Venue	Participants		Key Person Present (PMU / PMC / Stakeholders)
						F	M	
4	23-Sept-22	FGD on Livelihood	Part of data collection in DDR related to current community livelihood	FGD	Temporary Office	3	5	PMU-PMC Safeguard, Karangtengah Community.
<b>I</b>	Consultations related to Tower Assessment of Garung-Wonosobo							
1	12-Okt-22	Meaningful Consultation with the Representative of Garung Sub-District Area	Provide information to the affected persons in Garung Sub-District related to Tower Assessment of Garung-Wonosobo	Meaningful consultation	Garung Sub-District office hall	2	15	PMU Dieng 2 Social Safeguard, PMU Electrical Team, PMC Social Safeguard, Contractor PT Citramas, and the invitation from the representative of Garung Sub-District
2	13-Okt-22	Meaningful Consultation with the Representative of Wonosobo Sub-District Area	Provide information to the affected persons in Wonosobo Sub-District related to Tower Assessment of Garung-Wonosobo	Meaningful consultation	Wonosobo Sub-District office hall	5	16	PMU Dieng 2 Social Safeguard, PMU Electrical Team, PMC Social Safeguard, Contractor PT Citramas, and the invitation from the representative of Wonosobo Sub-District.
3	14-Okt-22	Meaningful Consultation with the Representative of Mojotengah Sub-District Area	Provide information to the affected persons in Mojotengah Sub-District related to Tower Assessment of Garung-Wonosobo	Meaningful consultation	Mojotengah Sub-District office hall	2	16	PMU Dieng 2 Social Safeguard, PMU Electrical Team, PMC Social Safeguard, Contractor PT Citramas, and the invitation from the representative of Mojotengah Sub-District.
<b>J</b>	Consultation related to social issue in Bakal and Karangtengah Village							

No	Date	Topic	Key Issues	Meeting Type / Method	Venue	Participants		Key Person Present (PMU / PMC / Stakeholders)
						F	M	
1	17-Okt-22	Meaningful Consultation with the Representatives of Bakal and Karangtengah Village	Meaningful consultation on the recent community and social condition in Bakal and Karangtengah Villages related to the D2P2 Project	Meaningful consultation	Dieng 2 Project Temporary Office	0	6	Dieng 2 Social Safeguard, and PMC Communication & GRM, representatives from Bakal village, a representative from Karangtengah.
<b>K</b>	Consultations related to issue in Pad 30							
1	21-Nov-22	Meeting with the Head of Karang Tengah Village	Discussion on the latest social issue development in the Pawuhan Sub-Village, in which the community have rejected the drilling plan in the soccer field close to Pad 30	Discussion	Dieng 2 Project Temporary Office	0	4	Head of Karangtengah village, PMU Dieng 2, and PMC Communication & GRM.
2	19-Dec-22	Meaningful Consultation with The Karangtengah Head of Village about Pad 30 Progress	Gather information and assurance from the Karangtengah Village Head about the social condition in Pawuhan related to the drilling plan in the soccer field near Pad 30.	Meaningful consultation	Temporary Office Dieng 2 Project		8	PMU, PMU Dieng, PMC Communication & GRM, PMC Well Testing, Contractor Well Testing, and 29 representatives from Krajan, Karangtengah village.
<b>L</b>	Consultation related to preparation of Power Plant public consultation							
1	9-Dec-22	Coordination with Sikunang Village Head on the Preparation of Power Plant Public Consultation	Coordination with the Head of Sikunang Village on topic of coordination especially on the planning of Power Plant movement from Pad 38	Coordination	Sikunang Village Head's house	2	3	PMU Social Safeguard Dieng Unit 2, PMC Social Safeguard Head of Sikunang Village.

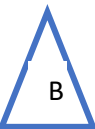
No	Date	Topic	Key Issues	Meeting Type / Method	Venue	Participants		Key Person Present (PMU / PMC / Stakeholders)
						F	M	
			in Karangtengah Village to Pad 12 in Sikunang Village					

Note:

- *Socialization is a method for delivering information with regards that the audiences will understand the delivered topic and messages by having deep understanding on the context of the topics;*
- *N/A: information is not available*

## 2. Patuha 2 Sub-Project

72. **In the previous semi-annual monitoring period of July – December 2021**, GDE had continued its consultation activities, organizing meetings with larger and small groups while still implementing the Covid-19 preventive health protocol. Consultation activities carried out during the July – December 2021 period were mostly related to RP activities, information of project activities, community development, and community safety awareness. There was 23 consultations that participated by 648 persons, consisting of 189 female and 459 male.
73. **Consultation during period of July - December 2022.** During this period in Patuha, there were 22 consultations that participated by 387 persons consisting 204 female and 183 male (and some participants were not identified the number and sex disaggregated). The consultation involved various parties, ranging from the community, village governments, PTPN VIII Rancabali, land owners, BPKP of West Java Province, BAPPEDA of Bandung Regency, and other relevant stakeholders. In every consultation activity, efforts are always made so that the presence of women and men can be balanced, this is to ensure that the voices of the women's group can be accommodated. The consultation carried out is divided into several issues, namely:
- Seven consultations related to program for community or community development.
  - Seven consultations related to RP activities.
  - Two consultation related to drilling activity.
  - Three consultations related to current community livelihood for Due Diligence assessment
  - One consultation related to audience and coordination with BPKP.
  - One consultation related to workforce committee.
  - One consultation related to well-testing activity.
  -
74. Consultation during July to December 2022 in Patuha Unit 2 are summarized in Table 4-5.



**Table 4-5. Summary of Consultations held for Patuha-2 Sub-Project (July to December 2022)**

No	Date	Topic	Key Issues	Venue	Meeting Type / Method	Participants		Key Person Present (PMU/PMC/ Stakeholders)
						F	M	
<b>A</b>	consultations related to program for community or community development 7							
1	12-Jul-22	Meaningful Consultation of Closing Soccer Field in Kampung Kendeng	Monitoring and evaluation on the closing soccer field in Kampung Kendeng	Kampung Kendeng	Meaningful consultations	3	8	PMU Safeguard Patuha Unit 2, Kampung Kendeng Community
2	27-Jul-22	Community Development of community capacity building	Capacity building or training session on developing proper proposal for the community around Patuha site	Kampung Kendeng	Presentation and discussion	6	11	PMU Safeguard Patuha Unit 2, Kampung Kendeng Community
3	4 Aug 2022	Meaningful Consultation on progress of the project in RW 14 Citiwu	Project progress, workforce information, Comdev mechanism, and mobilization	Panundaan	Meaningful consultations	6	21	PMU Safeguard Patuha Unit 2, Panundaan village officers
4	9 Aug 2022	Formal Ceremony of Field Soccer 'Gelora Sunan Rama'	Formal ceremony of the field soccer and opening a football tournament that held by PTPN VIII Rancabali	Kampung Babakan	Coordination and ceremonial	N/A*	N/A	PMU Safeguard, Kampung Babakan Community, Sugihmukti Village officer, PTPN VIII Rancabali
5	10 Aug 2022	Coordination on volleyball training	Follow up on the request from women community in Kampung Kendeng about Volleyball Training	Kampung Kendeng	Coordination	13	N/A	PMU Safeguard Patuha Unit 2, Kampung Kendeng Community and officer

No	Date	Topic	Key Issues	Venue	Meeting Type / Method	Participants		Key Person Present (PMU/PMC/ Stakeholders)
						F	M	
6	29 Aug 2022	Public consultation on volleyball	Coordination related on schedule and material of volleyball training	Kampung Kendeng	Meaningful consultations	15	5	PMU Safeguard Patuha Unit 2, Kampung Kendeng Community
7	23 Nov 2022	Coordination with Panundaan Village Officers	Coordination between Panundaan village government and JV ADA related to drainage repairment in RW 14 Citiwu	Panundaan	Coordination	4	1	PMU Safeguard, Panundaan Village Officers, JV ADA contractor
<b>B</b>	Consultations related to RP activities							
1	18 Aug 2022	Update the progress of replacement land IPPKH Patuha 2	Update progress, plan of field survey to verification by Independent Appraisal or KJPP	Sugihmukti	Meaningful consultation	3	28	PMU-PMC Safeguard, Land owner, Sugihmukti village officer
2	24-25 Aug 2022	Field survey of the Replacement Land IPPKH Patuha 2 to be verified by KJPP	Field verification by KJPP for appraisal purposes	Sugihmukti	Field survey	N/A	5	PMU-PMC Social Safeguard, KJPP, Representative of land owner
3	14 Oct 2022	Meeting with land owner of Replacement Land ( <i>Calakom</i> )	To inform the appraisal result from KJPP to Land Owner of Replacement Land	Pasirjambu	Meaningful consultation	4	27	PMU-PMC, Land owner, Sugihmukti Village Officer

No	Date	Topic	Key Issues	Venue	Meeting Type / Method	Participants		Key Person Present (PMU/PMC/ Stakeholders)
						F	M	
4	17 Nov 2022	Meeting with Land Owners of Land Replacement ( <i>Calakom</i> )	Selling and purchase agreement with land owners, LRP presentation, explanation of the purchase and selling process by a notary, facilitating the opening of an account for transactions by BNI Ciwidey	Sugihmukti	Meaningful consultation	35	6	PMU Safeguard, Land Owners
5	27 Dec 2022	Meeting with Land Owners of Land Replacement ( <i>Calakom</i> )	Signing of the minutes of funds receipt by giving BNI savings books and ATMs	Sugihmukti	Meaningful consultation	35	6	PMU Safeguard, Land Owners, Bank BNI, Sugihmukti Village Officers
6	28 Dec 2022	Meeting with Land Owner of Land Replacement ( <i>Calakom</i> ), i.e. Pak Dasep	Meaningful consultation related to the tax of Replacement Land	Soreang Office	Meaningful consultation	7	1	PMU, Land Owner
7	30 Dec 2022	Coordination with BAPPEDA of Bandung District	Coordination related to the tax of Replacement Land and the land owners' tax arrears	Sugihmukti	Coordination	5	2	PMU, BAPPEDA Bandung District
<b>C</b>	Consulation related to drilling activity							
1	2-Sept-22	Meaningful consultation on drilling PPL 2	Coordination with PTPN VIII because the conditions in the PPL 2 staging area are currently being used by PTPN VIII for temporary fertilizer storage	Meaningful consultation	Office of PTPN VIII Kebun Rancabolang	1	5	PMU Social Safeguard Patuha 2, PTPN VIII, ADA APS

No	Date	Topic	Key Issues	Venue	Meeting Type / Method	Participants		Key Person Present (PMU/PMC/ Stakeholders)
						F	M	
2	12 Oct 2022	Plan of relocation drilling activity to business owner near pad	To inform business-owner near the drilling area regarding the relocation of the drilling location and know the business-owner's plans regarding the relocation of the drilling location	Rig Area	Meaningful consultation	2	1	PMU Social Safeguard, business owner near pad
D	Consultations related to current community livelihood for Due Diligence assessment							
1	20-Sept-22	FGD on Livelihood	Part of data collection in DDR related to current community livelihood	Patuha	Alamendah	6	8	PMU-PMC Social Safeguard, Alamendah Community
2	20-Sept-22	FGD on Livelihood	Part of data collection in DDR related to current community livelihood	Patuha	Kampung Kendeng	7	10	PMU-PMC Social Safeguard, Kampung Kendeng Community
3	21-Sept-22	FGD on Livelihood	Part of data collection in DDR related to current community livelihood	Patuha	Rumah Makan Nenek, Panundaan	5	10	PMU-PMC Social Safeguard, Panundaan Community
E	Consultation related to audience and coordination with BPKP							
14	12 Oct 2022	Audience with BPKP of West Java	Audience and coordination with BPKP of West Java	BPKP Office	Coordination	3	3	PMU Safeguard, BPKP of West Java Province
E	Consultation related to workforce committee							



No	Date	Topic	Key Issues	Venue	Meeting Type / Method	Participants		Key Person Present (PMU/PMC/ Stakeholders)
						F	M	
1	21 Nov 2022	Coordination of Workforce Committee	The latest local hire recruitment, local workforce database updates	Soreang Office	Coordination	20	5	PMU Safeguard, Patuha's workforce committee
F	Consultation related to well-testing activity							
1	19-Dec-22	Meaningful consultation on well-testing preparation PTH-G-4B	To inform community related to well testing activity and the impact and how to mitigate it.	Meaningful consultation	Kampung Pasir Waas	24	20	PMU Social Safeguard Patuha Unit 2, Contractor Depriwangga, Community of Kampung Pasir Waas

## C. Livelihood Restoration & Community Development Program Implementation Progress

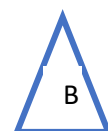
### 1. Dieng 2 Sub-Project

#### a) LRP Implementation for AHs in RP 2019

75. The LRP activities outlined in the Dieng 2 RP (2019) are described below and shown in the Table 4-7, along with a status update on the program implementation. For the detailed information about AHs (and/or his members) who are entitled under the Project's LRP, an internal monitoring survey was conducted in March 2022.
76. Implementation of the LRP programs for Dieng 2 (2019) between July and December 2022:
1. **Employment.** GDE and relevant agencies have officially established a Local Hire Recruitment Committee on 14 July 2021, with the letter or SK Number: 021.SK/PST.00-GDE/VII/2021 (see **Appendix A**). The first batch of local recruitment in Dieng resulted in hiring of 53 local workers (7 female and 46 male) by the main contractors on November 2021. In mid-2022, they were 112 (3 female and 109 male) workers in Dieng Unit 2 project. From the total local hire, there is 4 male work in the project as a security. Then, the last update of local hire in December 2022 is listed in Table 4-6 below.

**Table 4-6. Local hire in Dieng Unit 2 per December 2022**

No	Village	PT Plumpang Raya Anugerah		PT Trans Dana Profiti		PT Depriwa ngga		Others		Total for each village	
		M	F	M	F	M	F	M	F		
1	Karangtengah	25	0	7	0	5	0	10	0	47	
2	Dieng Kulon	11	0	6	0	2	0	0	0	19	
3	Kepakisan	4	1	2	0	1	0	2	0	10	
4	Bakal	2	1	3	0	2	0	1	0	9	
5	Sikunang	5	0	4	0	3	0	4	0	16	
6	Dieng	3	0	1	0	1	0	1	0	6	
7	Pranten	1	1	1	0	1	0	1	0	5	
<b>Total M + F</b>		<b>51</b>	<b>3</b>	<b>24</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>112</b>	
<b>Total for each contractor</b>		<b>54</b>		<b>24</b>		<b>15</b>		<b>19</b>			
<b>Total Male</b>											<b>109</b>
<b>Total Female</b>											<b>3</b>

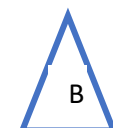


2. **Scholarship.** The scholarship program namely "*Bootcamp Beasiswa Inspiratif Geodipa*" was held on 15 – 16 October 2022. The receivers of the scholarship were 30 students, consist of 14 girls and 16 boys. The activity was assisted by Yayasan Inspirasi Anak Bangsa. The implementation progress is 11.8% with an actual expense IDR 89,775,000.
3. **Carica MSMEs.** The participants of Carica MSMEs enhancement were 51 participants 7 villages, consist of 49 female and 2 male. There are no AHs identified because the AHs members do not have carica as their entrepreneur. The implementation of the Carica enhancement is ongoing with actual expense IDR 338,400,000 (23.6%).
4. **Local Food MSMEs.** The participants of Local Food MSMEs enhancement are the same as Carica MSMEs. There are no AHs identified because the AHs members do not have MSMEs. The implementation is ongoing with actual expense IDR 186,120,000 (12.4%). The MSMEs or home industry was assisted by Surveyor Indonesia. By the assistance, MSMEs Local Food and Carica recipients created a Whatsapp Group as a sharing forum and assistance. They also learned to develop financial reports consists of income statement, financial position, and cash flow.
5. **Vocational Training.** Machine Maintenance Training and Certification was held on 12-31 December 2022 for 30 participants in three affected villages, i.e. Karangtengah, Dieng, and Sikunang Village. The participants were 10 male for each village. The actual expense was IDR 438,819,300 (22.5%).

**Table 4-7. Livelihood Restoration Activities for Dieng-2 Sub-Project (Plan and Implementation as of December 2022)**

TYPE OF ACTIVITY	TARGET PERSON / GROUP	Number		Implementation status as of – December 2022	Summary of LRP implementation*
		Severely AHs and Vulnerable AHs	GDE's Neighboring Communities <sup>8</sup>		
1. <b>Employment for unskilled labour at GDE Dieng, including project related work</b>	AH members, community members	24 Vulnerable/Severely HH members from Karangtengah and 4 coordinators	30 community members from 6 villages; Karangtengah, Dieng Kulon, Sikunang, Bakal, Kepakistan, Pranten	<ul style="list-style-type: none"> <li>• 112 local hires (3 female and 109 male).</li> <li>• From local hires, 3 of them are AHs. They work as security in Dieng Unit 2.</li> </ul>	The program began in 2020, to improve the skills of local communities and AHs categorized as vulnerable and severely impacted, so that they can be ready to be Project workers or for other further available job opportunities.
2. <b>Scholarships and board and lodging allowance</b>	Students from AHs	24 students.	30 students from 7 villages; Karangtengah, Dieng Kulon, Sikunang, Bakal, Kepakistan, Pranten	<ul style="list-style-type: none"> <li>• The scholarship program namely "<i>Bootcamp Beasiswa Inspiratif Geodipa</i>" was held on 15 – 16 October 2022. The receivers of the scholarship are 30 students; 14 girls and 16 boys.</li> <li>• The implementation is ongoing with actual expense IDR 89,775,000 (11.8%).</li> </ul>	This program is intended so that AHs and local people categorized as poor can continue their education to a higher level.

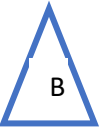
<sup>8</sup> Vulnerable households.



TYPE OF ACTIVITY	TARGET PERSON / GROUP	Number		Implementation status as of – December 2022	Summary of LRP implementation*
		Severely AHs and Vulnerable AHs	GDE's Neighboring Communities <sup>8</sup>		
3. <b>Value chain analysis, development for carica processing and marketing (including permits/certification).</b>	Women	Value chain analysis will benefit all carica home industries. 24 Vulnerable/ Severely HH members	6 groups in 6 villages (5-7 people per group) 30–42 people	<ul style="list-style-type: none"> <li>• MSMEs assistance program with 51 participants 7 villages; 49 females and 2 males.</li> <li>• There are no AHs identified because the AHs members do not have carica as their entrepreneur.</li> <li>• The implementation of the carica MSMEs is ongoing with actual expense IDR 338,400,000 (23.6%).</li> </ul>	This program is to be implemented in Dieng, specifically for women. The program objective is to analyze the market aspects of Carica processing (including permit/certification options).
4. <b>Value chain analysis and development for processing and marketing of potato crisps and crisps from tubers (cassava, yam, sweet potato) including permits (certification)</b>	Women	Value chain analysis will benefit all similar home industries 24 Vulnerable/ Severely HH members	1 group per village (6 people per group) – 36 people	<ul style="list-style-type: none"> <li>• MSMEs assistance program with 51 participants 7 villages; 49 females and 2 males. The participants are the same as the carica MSME or home industry owners. The MSMEs or home industry was assisted by Surveyor Indonesia.</li> <li>• There are no AHs identified because the AHs members</li> </ul>	This program is to be implemented in Dieng specifically for women. The program objective is to analyze the market aspect of potato crisps and crisps from tubers including permit (certification).

TYPE OF ACTIVITY	TARGET PERSON / GROUP	Number		Implementation status as of – December 2022	Summary of LRP implementation*
		Severely AHs and Vulnerable AHs	GDE's Neighboring Communities <sup>8</sup>		
				do not have MSMEs. <ul style="list-style-type: none"> <li>The implementation is ongoing with actual expense IDR 186,120,000 (12.4%).</li> </ul>	
5. <b>Training or mentoring for the following:</b> a) <b>mechanic</b> b) <b>welding</b> c) <b>sewing</b> d) <b>craft</b>	Various	24 Vulnerable/ Severely HH members	30 persons for types of training (from all 6 villages).	<ul style="list-style-type: none"> <li><i>Machine Maintenance Training and Certification</i> was held on November 2022 for participants in three affected villages, i.e. Karangtengah, Dieng, and Sikunang Village.</li> <li>The actual expense was IDR 438,819,300 (22.5%).</li> </ul>	Training and mentoring in mechanics, welding, sewing, craft, for youth has been designed by GDE's to give more skill which will enable and empower youth to work in non-farming sector, including opportunity to work in GDE Dieng unit as skilled worker.

Note: The LRP implementation summary has been compiled based on plan and realization program in 2022 from PMU



77. An internal monitoring survey was conducted on 24-31 March 2022 to get detailed information about AHs (and/or his members) who are entitled under the Project's LRP. The result of the monitoring stated that not many AHs (and/or his members) were involved in the LRP. To improve the number of AHs as a participant in further programs, AHs interest will be the main consideration. Detailed data of Internal Monitoring has been described in previous Social Semi-Annual Monitoring Report (January – June 2022).
78. The monitoring of LRP implementation that has been conducted by PMC through the Internal Monitoring Report, was also strengthened with monitoring that conducted by external parties. The External Monitoring Agency by Anwar Muhammad Foundation has been held in November 2022. They are developing the report by January 2023.
79. PMU-PMC Social Safeguard are going to develop timeline and target participants of LRP. In 2023, LRP will prioritize AHs (and/or his members) who gave their interests on a program.

#### **b) Community Development for Affected Villages**

80. In addition to the livelihood activities to be delivered as part of the RP, there are other activities that have been carried out under the GDE Community Development (Comdev) program as presented in Table 4-8.
81. **Clean Water Facility.** To provide the water supply, firstly GDE did a Study on Water Distribution System. The scope included need assessment and water source analysis, water distribution system design and budgetary, and recommendations about water distribution system management. Then, GDE provided a Water Distribution System for Karangtengah Village. The progress of implementation in 2022 is 1.04%, with actual expense IDR 33,900,000.
82. **Health.** Related to the health program, vaccination was given to the nearby community, especially to seven affected villages. Beside it, the Health Screening Program is aimed at the community near well-testing activity in Pad 9, in Krajan Sub-Village, Karangtengah Village. The scope of health screening included general check-up such as clinical, teeth and mouth, blood pressure, heart and breath rate, blood sugar, cholesterol, gout. It was implemented on December 2022. The implementation progress for vaccination program is still ongoing, with an actual expense IDR 355,734,200. Then, the actual expense of Health Screening Program is IDR 270,000,000.
83. **Waste Management.** The pilot project for waste management program is planned in Karangtengah, and/or Dieng Kulon, and/or Sikunang Village. The schedule of implementation in 2023 onward.
84. **Strengthening of BUMDes Institutional Capacity.** Continue to BUMDes establishment and assistance, training, and comparative studies in seven affected villages. The implementation progress is 24.45%, with actual expense IDR 244,500,000.
85. **Strengthening of Public Facility.** In Q4 2022, the program of hardening and repair of roads in Karangtengah Village, called Padat Karya was implemented. The strengthening of public facility is ongoing with actual expense IDR 278,192,180.

**Table 4-8. Implementation and Plan of Community Development in Dieng 2 per December 2022**

No.	Community Development		Participants or target audience	Implementation timeframe	Implementor or trainer
1.	Clean water facility	Study of Water Distribution System	6 affected villages: Dieng Kulon, Kepakisan, Karangtengah, Sikunang, Pranten, Bakal	<ul style="list-style-type: none"> <li>March – onward: the report has been reviewed for further implementation.</li> </ul>	GDE Unit 2
		Water Distribution System	Karangtengah Village	<ul style="list-style-type: none"> <li>In Q3 2022, provide a distribution for clean water in Karangtengah Village.</li> <li>The implementation progress is 1.04%, with actual expense IDR 33,900,000.</li> </ul>	GDE Unit 2
2.	Health	Vaccination	Nearby communities, especially for 7 (seven) affected villages	<ul style="list-style-type: none"> <li>February: deliver 641 packages.</li> <li>Program “Sentra Vaksin Geodipa”.</li> <li>The actual expense is IDR 355,734,200.</li> </ul>	GDE Unit 2 and nearby Puskesmas
		Health Screening Program	Community around Pad 31 and 9 for well-testing preparation, Pawuhan and Krajan Sub-Village, Karangtengah Village	<ul style="list-style-type: none"> <li>21-23 June: the implementation of Health Screening Program</li> <li>The actual expense is IDR 270,000,000.</li> </ul>	GDE Unit 2 and nearby Puskesmas
3.	Waste management	Pilot project in Karangtengah and/or Dieng Kulon and/or Sikunang	Planned for 2023 onward	GDE Unit 2	



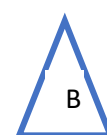
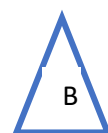
No.	Community Development	Participants or target audience	Implementation timeframe	Implementor or trainer
4.	Strengthening of BUMDes Institutional Capacity	Seven affected villages	<ul style="list-style-type: none"> <li>Continue to BUMDes establishment and assistance, training, and comparative studies.</li> <li>The implementation progress is 24.45%, with actual expense IDR 244,500,000.</li> </ul>	Anwar Muhammad Foundation (AMF)
5.	Strengthening of Public Facility	Karangtengah Village	<ul style="list-style-type: none"> <li>Hardening and repair of roads in Karangtengah Village, called <i>Padat Karya</i></li> <li>The implementation is ongoing with actual expense IDR 278.192.180.</li> </ul>	GDE Unit 2

86. **Dieng (Wetan) Village as Project Affected Village.** As in previous monitoring report period of July – December 2021 on implementation progress related to consultation, participation, and information disclosure on November 2021, PMC did an assessment to follow up on grievances conveyed by the Dieng Village community members regarding the status of Dieng Village not being included in the list of the Dieng Unit 2 project affected villages, along with Karangtengah, Dieng Wetan, Sikunang, Kepakistan, Karangtengah, Bakal, and Pranten. The project affected villages have benefit for receiving a Community Development Program, such clean water facility, vaccination, health screening program, strengthening of BUMDes institutional capacity, and strengthening of public facility. Based on the assessment process, it was concluded that the Dieng village deserves to be included in the list of the Dieng Unit 2 project-affected villages with following reasons:

- The mobilization of tools and material route, and the use of the Siterus River for drilling processes, have a significant impact on Dieng Village; and
- Dieng village was on the list of the affected villages in the Dieng Unit 1 project and the nature of impacts has not changed significantly between Dieng Unit 1 and Dieng unit 2 Project.

87. The assessment result was already sent to the ADB on 17<sup>th</sup> January 2022 for review before deciding the status of Dieng Wetan village. The discussion between ADB-PMU-PMC about Dieng Wetan Village's status was held on January 17, 2022. The conclusion stated that Dieng Wetan is included as part of the affected villages in the Dieng Unit 2 project.

## 2. Patuha 2 Sub-Project



88. **Community Development (Comdev) Program Design and Implementation.** GDE is implementing a Community Development (Comdev) Program in Patuha as part of its corporate social responsibility, with several activities carried out during the July - December 2022 period. The activities are based on a plan developed based on consultations with local communities conducted in March and September 2019. This plan involves GDE expanding and improving the delivery of its Comdev program to the communities of Alamendah, Sugih Mukti and Panundaan Villages under the Patuha-2 sub-project, as part of its project benefits-sharing objective. Improved Comdev activities consist of: value chain analyses for improvement in processing and marketing of local produce, training and mentoring in development / improvement of home industries as well as new livelihood skills, provision of working equipment (as necessary), facilitation in accessing finance (credit) for starting up or strengthening existing micro-small enterprises, and facilitation in processing of required permits. The program is being implemented over the life of the sub-project (2020 – 2023) and may be continued thereafter or adjusted based on yearly evaluation recommendations. The program targets youth, women, vulnerable households and household who may experience losses due to construction impacts. All Community Development (Comdev) activity packages include activity-specific facilitation services. The total budget allocation of approximately IDR 2.7 billion to be applied for three affected villages. However, the final level of financing of activities will be based on the available annual Comdev program budget for Patuha and proposals received from each village. Table 4-9 below shows the type of activities and their targets, consistent with the DDR (2019) and the updated status of Comdev implementation.
89. **Employment.** During the monitoring period of January – June 2021, GDE has coordinated with *Disnaker* (Labour Agency) of Bandung concerning the recruitment committee system for fulfilling human resource needs in Patuha-2 Sub-Project. GDE conducted dissemination of local hire recruitment information and has established the Local Hire Recruitment Committee by July 2021 (**Appendix A**).
90. The update of local hire per December 2022 was 196 workers, consist of 16 female and 180 male. It can be seen in the Table 4-9 below.

**Table 4-9. The list of Local Hire Patuha Unit 2 per December 2022**

No	Village	JV ADA-APS		PT MPS		PT Depriwangga		Others		Total for each village
		M	F	M	F	M	F	M	F	
1	Sugihmukti	31	5	19	0	6	0	17	0	78
2	Alamendah	22	7	23	0	7	0	6	0	65
3	Panundaan	22	4	14	0	5	0	8	0	53
<b>Total M + F</b>		<b>75</b>	<b>16</b>	<b>56</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>31</b>	<b>0</b>	<b>196</b>
<b>Total for each contractor</b>		<b>91</b>		<b>56</b>		<b>18</b>		<b>31</b>		
<b>Total M</b>										<b>180</b>
<b>Total F</b>										<b>16</b>

91. **BUMDes Support.** In May 2022, BUMDes in Sugihmukti Village, i.e. Sugema BUMDes was assisted on coffee processing activity. The BUMDes was also developing a greenhouse for processing their coffee. Overall, the progress implementation in supporting BUMDes is 9% with an actual expense of IDR 45,000,000. The following program will be scheduled from July 2022 onward.
92. **Scholarship Program.** GDE has a scholarship and mentoring program for the community of 3 affected villages in Patuha, with 30 scholarship recipients, consist of 20 female and 10 male. This program is called Beasiswa Inspiratif Geodipa that carried by GDE in cooperation with Yayasan Inspirasi Anak Bangsa (YIAB). In this mid-period, the implementation progress is 41.9% with an actual expense of IDR 167,500,000. The scope of this program is; The Delivery of Supporting Items such as mobile internet package and student utensils; Student Assistance, i.e. english course and education or training opportunities; Parent Assistance, i.e. Effective communications skills in students and examination of student interest and learning.
93. **Value Chain Analysis.** The implementation of Local Food SMSME enhancement in this period (2022) was completed with an actual expense IDR 250,000,000 The total participants were 33 MSMEs, consist of 25 female and 8 male from 3 (three) affected villages. The progress of implementation is 41.7%.
94. **Vocational Training and Equipment.** In Q4 2022 was held Welding Training and Certification for youths three affected villages. Progress implementation is ongoing (58.4%) with an actual expense IDR 371,000,000.
95. **Local Tourism.** The activity in May 2022, supporting homestay equipment, capacity building, gallery development and related infrastructure. It was for *Desa Wisata Alamendah* group. Progress implementation is ongoing (50.1%) with an actual expense IDR 225,294,000.
96. **Traditional Art Support.** The progress implementation is 8.2% with an actual expense IDR 16,375,000. It was for supporting art producing equipment and materials in May 2022. The participant's name is SMSME MKDR in Panundaan Village. The following activity continued on July 2022 – onward to other group in three affected villages.

**Support Local Event (or Others).** Different from the previous period in 2021 that local event support activity was filled with vaccination activity, program in 2022 was filled with Safari Ramadhan, that included providing *Iftar* food to community, distributing *sembako*, and took part in Ramadhan activities. The target activity is for nearby communities, especially for 3 (three) affected villages. The implementation is ongoing with actual expense IDR 160,731,200 (67%).

**Table 4-10. Community Development Activities in Patuha 2 Sub-Project – Plan and Implementation Status as Per December 2022**

<b>Type of Activity</b>	<b>Target Person / Group</b>	<b>Objective</b>	<b>Implementation Schedule</b>	<b>Participants</b>	<b>Status</b>
<b>1. Employment for unskilled labour at GDE Patuha (inc. project related work).</b>	Community members	To increase local economic benefits by ensuring priority employment opportunity for local people in Project activities	July - December 2022	196 (16 female and 180 male)	Ongoing
<b>2. Identification of vendor opportunities for local entrepreneurs or via partnership agreement with Village Governments or Village BUMDes.</b>	Village BUMDes or local entrepreneurs in 3 (three) affected villages	To increase local economic benefits by enabling maximized local supply opportunities	May 2022, continued in July – December 2022	1 (one) BUMDes, i.e. Sugema BUMDesa in Sugihmukti Village	Ongoing, 9%
<b>3. Scholarships and board and lodging allowance.</b>	Targeted for 30 (thirty) students and parents, consisted of 10 (ten) students and parents from each (i) Sugihmukti (ii) Panundaan, and (iii) Alamendah	To increase local welfare and socio-economic by supporting education for eligible local students	August 2021 - August 2022	30 students (20 female and 10 male)	Ongoing, 41,9%
<b>4. Value chain analysis, development for home industries in food crop processing and</b>	3 (three) groups of women from 3 (three) affected villages	To increase local economic benefits and socio-economic levels by supporting value adding and income	July 2022 – December 2022	33 MSMEs (25 female and 8 male)	Ongoing, 41,7%

Type of Activity	Target Person / Group	Objective	Implementation Schedule	Participants	Status
marketing (including permits/certification).		diversification			
5. <b>Training, mentoring and equipment for motor mechanics, welding or tour guides.</b>	Targeted for 30 (thirty) participants from 3 (three) affected villages	To increase local welfare and socio-economic by supporting vocational training for local people	Q4 2022	Welding Training and Certification for 20 youths (20 male) in three affected villages	Ongoing, 58,4%
6. <b>Identification and development of local tourism services opportunities.</b>	Youth groups, BUMDES	To increase socio-economic levels by supporting economic diversification	July 2022 – December 2022	<i>Desa Wisata</i> Alamendah group	Ongoing, 50,1%
7. <b>Support for traditional performing arts groups.</b>	Neighbourhood cultural / performing arts groups.	To increase local welfare and social relations by supporting cultural identity and activities	July 2022 – December 2022	MSMEs MKDR, Panundaan Village	Ongoing, 8,2%
8. <b>Support Local Event (Others)</b>	Nearby communities, especially for 3 (three) affected villages	To support local wisdom and community entrepreneurs, especially in women's empowerment	July 2022 – December 2022	Mosque qongregation in 3 affected villages	Ongoing, 67%

#### D. Impact During Construction

97. This section presents the update of actual social-economic-cultural impacts associated with construction activities occurring during the reporting period for the respective sub-project

##### 1. Dieng 2 Sub-Project

98. During the period from July to December 2022, there were a number of construction activities, such as drilling at Well Pad 31, Mobilization from Well Pad 31 to Well Pad 9, Drilling at Well Pad 9 and well testing at Well Pad 31A. Considering the condition of the well pad in Dieng is relatively close to residential areas, socially more intensive handling is needed. Efforts are made from the social side before technical project activities are carried out, such as assessment activities for APs in affected areas, conducting social impact mitigation analysis and meaningful consultation. These activities are summarized in Table 4-11 below.

**Table 4-11. Summary of The Implematation of Social Safeguard Impact Mitigation Plan in Dieng 2 Sub-Project per July to December 2022**

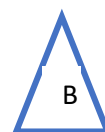
No	Dieng Construction Activities 2	Date	Social Safeguard Implementation Activity	PIC	Remark
1	Well-testing Well Pad SLR-T-9C	30 August to 4 September 2022	1. Conduct a social assessment on affected community.	PMC Social Safeguard	1. Social assessment aimed to design the right strategy to anticipate the potential social impact on the community around the well testing site. 2. The scope of data collection was carried out based on a radius of 100 meters, 200 meters and 300 meters from the well testing activity center at Well Pad SLR-T-9C.

No	Dieng Construction Activities 2	Date	Social Safeguard Implementation Activity	PIC	Remark
					3. Develop a Social Mitigation Plan Doc.
		18 October, 19 Desember 2022	2. Conduct a meaningful consultation with Krajan community Sub-Village related to well-testing on Well Pad SLR-T-9C.	PMU-PMC Safeguard and Krajan community	4. To describe the well-testing activity and disclose the schedule for community nearby
		During the process of well-testing Well Pad SLR-T-9C	3. Monitor the impact of well-testing activity, especially in the social impact for affected community near Pad 9.	PMU-PMC Safeguard, Rojimur and Sentra Komunikasi Team	5. Mitigate the potential impact of well testing activities.
2	Drilling at Well Pad SLR-T-7D and SLR-T-7E	August 2022	Meaningful consultation for APs	Dieng Unit 2 and Simpangan community	This activity aims to inform the spud-in process in Pad 7

99. **Well-Testing SLR-T-9C.** Due to the risk during the first hours of well testing, from a social aspect, an assessment is needed to avoid and mitigate the impacts that may arise from these activities. Furthermore, the results of the assessment will be used to design the right strategy to anticipate potential social impacts to the community in adjacent to the well pad location.

100. **Mitigation Plan for Owner of Farmland and Their Labor.** The mitigation plans include:

- a. Consultation one week and one day before well testing.
- b. Close supervision is carried out in a radius of 300 m by the Rojimur Team to monitor the activities of farmers during the gas release process.
- c. Patrols will be carried out during the well testing process (around one month).



- d. The mechanism and role of patrols is further regulated in the standard work instruction of the Communication Center.
- e. Compensation for loss of farm labors income during or after well testing (if needed).
- f. Any damage of crops due to brine carry over or other well testing impacts will be compensated as per after the fact situation based on the value as presented in the entitlement below (Table 4-13).

**Table 4-12. Entitlement Matrix of Well-Testing Pad 9C**

No	Impact/Loss Category	Entitled Person	Project Entitlement	Remark
<b>A. Loss structure</b>				
1	Partially affected main structures (the remaining structure is viable for continued use) ( <i>if any</i> )	Owners of the affected structure within the radius 100-300 m from the NCG tank of well pad 9, regardless of tenure, that proved their damage of the structure caused by vibration during the well testing based on the mutual identification and verification.	Cash compensation at full replacement cost for the affected structure with no depreciation and no deduction for salvageable materials; or Rebuilding/repared the affected structures as per previous condition or better in agreement with the affected owner	<ul style="list-style-type: none"> <li>• Valuation of compensation will be by the capable institution (public appraiser)</li> </ul>
<b>B. Loss of Crops and Trees:</b>				
1	Loss of Crops ( <i>if any</i> )	<ul style="list-style-type: none"> <li>• The owner, regardless of land ownership status (with certificates or recognizable rights, informal dwellers, occupants).</li> <li>• Farmers who have farmland within radius 200 m from the NSC Tank of well pad 9C (82 AHs) who claimed and proven their damage of crops is caused by the brine carry over and or well testing activities based on the mutual identification and verification.</li> </ul>	<ul style="list-style-type: none"> <li>• Annual crops: compensation will be paid based on prevailing market rates.</li> <li>• Perennial crops: compensation at replacement cost taking into account crops' productivity and age.</li> <li>• No depreciation for the affected crops</li> </ul>	<ul style="list-style-type: none"> <li>▪ Valuation of crops will be determined the capable institution (public appraiser)</li> </ul>
<b>C. Other Appraisable Losses</b>				
1	Loss of income, venture, and job.	Business owner and employees regardless the tenure  287 farm labors working in the farmland within the radius 300 m	<ul style="list-style-type: none"> <li>• <u>Temporary Loss of Business:</u> Repay cash losses based on the loss of income that is expected to be obtained from the use of the affected asset (<i>if any</i>)</li> <li>• <u>Temporary loss of employee:</u> replace equivalent to loss of income during disruptions</li> </ul>	<ul style="list-style-type: none"> <li>• Payment slip, or if no payment slip, minimum wage will be used for the calculation of restitution.</li> </ul>
2	Health issue cause by increasing of noise and	Community living and farming within radius 100-	Covering medical expenses at referral hospital or local health	



No	Impact/Loss Category	Entitled Person	Project Entitlement	Remark
	or gas leakage due to well-testing activity ( <i>if any</i> )	300 m from the NCG tanks	centre	

101. **Mitigation Plan for Business Owner.** Mitigation Plans include:

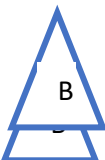
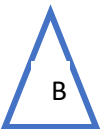
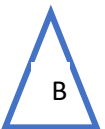
- a. Consultation one week and one day before well testing.
- b. Patrol on the first day and the second day to check the safety of condition.
- c. Patrols will be carried out during the well testing process (around one month). The mechanism and role of patrols is further regulated in the standard work instruction of the Communication Center.
- d. However, if there were any claim of loss of business income from the communities due to well testing activities, GDE will verify and provide the compensation as per entitlement matrix.

102. **Mitigation Plan for Residents Within Radius 300 m or More.** Mitigation Plans include:

- a. Consultation four times before well testing.
- b. Patrols will be carried out during the well testing process (around one month). The mechanism and role of patrols is further regulated in the standard work instruction of the Communication Center.
- c. Medical check-up within 5 days from the start of well testing and (ii) one week after the well testing completed. Priority to the community living within radius 300 m. The medical check-up facility will be provided free of charge for the community in the temporary office during the well testing for those who need to check their health condition.
- d. No potential impacts due to leakage of H<sub>2</sub>S or CO, noise as well as vibration. However, if any claimed of damage of structure due to vibration and or health issue due to well testing activities, the mitigation compensation will refer to the following entitlement matrix.

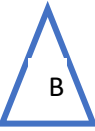
103. Based on the project work plan, at the early of December 2022, well testing activities will be carried out at Well Pad SLR-T-9C Unit 2 Dieng, with an activity duration of approximately 30 days. Because of preparation completion, the well testing was started on 20 december 2023. Well Pad SLR-T-9C is located in Krajan Sub-Village, Karangtengah Village, Batur District, Banjarnegara Regency, Central Java. Due to the risk during the well testing, from a social aspect, an assessment is needed to avoid and mitigate the impacts that may arise from these activities. Furthermore, the results of the assessment will be used to design the right strategy to anticipate potential social impacts to the community in adjacent to the well pad location.

104. To monitor hazardous gases within a 300-meter radius from Well Pad 31A, the Rojimir Team, which represents the community, conducts periodic measurements. Measurements of H<sub>2</sub>S, CO<sub>2</sub>, O<sub>2</sub>, and LEL levels by the Rojimir Team at a number of points showed good results. During the well testing, average H<sub>2</sub>S and CO<sub>2</sub> levels were below the standard. Then, the average oxygen measurement results are above 20%.



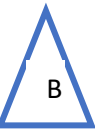
This shows that the strategy and technology used is able to control the release of harmful gases.

105. During the well-testing process (20-31 December 2022), there were four recorded related to the plantations that were impacted by well testing activity in SLR-T-9C. The complaints from community were responded soon. Now, the process of grievances handling is in the evaluation process by GDE team. The evaluation process refers to Entitlement Matrix above (Table 4-13).
106. Regarding the well-testing SLR-T-9C process, there was input from community about noise and vibration in a radius of 300m. After accepting the inputs, *Sentra Komunikasi* Team informed technical team in the Pad. The technical team lowered the opening valve soon, so the noise and vibration have been reduced. From then on, to keep the noise and vibration in line with regulation, the valve opening does not exceed 15%. These community inputs or perceptions are not included as project grievances because the level of noise and vibration are not above the standard level and the case is closed on that day. The community willingly accepted the result.



## 2. Patuha 2 Sub-Project

107. In the period from July to December 2022, there are a number of construction activities in Patuha 2, including well testing at PTH-G-4D, PTH-H-2B, and build access road well pad PPL BB. Although the project location in Patuha 2 is far from community settlements, a number of steps and efforts are still being carried out, especially activities related to project socialization. These activities are summarized in Table 4-13 below.



**Table 4-13. Summary of Social Safeguard Support in Patuha 2 Sub-Project**

No	Dieng Construction Activities 2	Social Safeguard Support	Date	PIC	Remark
1	Drilling PPL 2	Socialization related to the drilling plan in PPL 2	2 September 2022	Patuha Unit 2	Risks and mitigation plan from drilling activities. Then, to coordination with PTPN VIII related to replacement of fertilizer storage. This activity was carried out in PTPN VIII Kebun Rancabolang.
2	Well Testing PTH-G-4B	Socialization related to the well testing plan in PTH-G-4B.	19 December 2022	Patuha Unit 2	Risks and mitigation plan from well testing activities. This activity was carried

No	Dieng Construction Activities 2	Social Safeguard Support	Date	PIC	Remark
					out in <i>Kampung Pasir Waas</i> and for plantation workers in the PPL 4 area.

## E. Grievance Redress Mechanism

108. GDE has established the Project's Standard Operation Procedure (SOP) for a Grievance Redress Mechanism since 10 September 2020, referring to GDE's Decree No. 034.SK/PST.00-GDE/IX/2020. This SOP includes step-by-step instructions and specific time and workflows to ensure stakeholder complaints are effectively handled. The scope is divided into (i) Information; (ii) Consultation; and (iii) Mediation. A grievance log has been established, and the receipt and resolution of all grievances are reported here on a semi-annual basis and in the Semi-Annual Environmental Monitoring Report, when relevant.

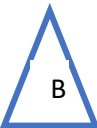
### 1. Dieng 2 Sub-Project

109.

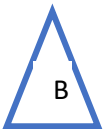
110.

111. For Dieng 2 Project (HALO DIENG 2), the communication media being used are:

- Hotline : +62 812 – 10000 – 630
- E-mail : [halodieng2@geodipa.co.id](mailto:halodieng2@geodipa.co.id)
- Complain Boxes : 4 boxes located at the Communication Center (i.e. mosque in Pawuhan Sub-Village, the head of the village office, and musholla in Karangtengah Village)
- Office : PT Geo Dipa Energi (Persero) Unit Dieng Jl. Raya Dieng-Batur, Banjarnegara



112. GDE has intensified the Grievance Redress Mechanism disclosure/dissemination to stakeholders, as each local (village/sub-district) government office now has a banner and leaflet related to GDE Grievance Redress Mechanism provided. GDE expanded the GRM channels via complaint boxes distributed in 4 locations at Karangtengah village and developed a central communication as an additional GRM channel, mainly to accept the complaints and grievances related to the well testing activity in SLR-T-9C. However, from early June 2022, when these boxes were distributed, to the end of December 2022, none of the Karangtengah community did use it to raise a complaint to GDE. Instead, the Karangtengah community prefers directly go to the GDE office or send messages via WhatsApp. It seems that the Karangtengah community is still not used to using the complaint box to submit complaints., **Appendix B** provides examples of evidence of these socialization activities and the record of grievance activities in Dieng 2 from July to December 2022.



113. GDE has also established a Grievance Redress Committee referring to GDE's Decree No. 015.SK/PST.00-GDE/IV/2021 dated 15 April 2021. GDE conducted first initial meeting of the Grievance Redress Committee in July-August 2021.

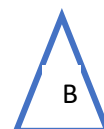
114. The Grievance Redress Committee composition as of December 2022 is shown in Table 4-14 below.

**Table 4-14. GDE Grievance Redress Committee Dieng 2**

No	Role/Institution	Position within Team
<b>COMMITTEE</b>		
<b>PT Geo Dipa Energi (Persero) – Project Head Office</b>		
1	Hefi Hendri <i>Project General Manager</i>	Head of Committee
2	Ray Armand <i>HSE &amp; Safeguard Division / Manager</i>	Member
	Reyno Rivelino Duta Muhammad <i>Government Relation &amp; Social Safeguard Officer</i>	
	Sari Ramadhani Putri <i>Environment Safeguard Assistant Manager</i>	
	Sannita Debora Ambarita <i>Health &amp; Safety Assistant Manager</i>	
<b>Representatives of sub-district level communication forum (<i>Forkompinca</i>)</b>		
3	Head of Sub-District ( <i>Kecamatan</i> )	Member
4	Head of Police Sector ( <i>Polsek</i> )	Member
5	Head of Military Area Command ( <i>Koramil</i> )	Member
<b>TECHNICAL TEAM</b>		
<b>PT Geo Dipa Energi (Persero) – Project Site Office Dieng 2</b>		
6b	Muhammad Izuddin <i>Project Manager Dieng 2</i>	Head of Technical Team
7b	Sigit Dwi Pamungkas <i>HSE &amp; Safeguard Superintendent Dieng 2</i>	Member
8b	Slamet Riyadi <i>Social Safeguard &amp; Public Relation Supervisor Dieng 2</i>	Member
9b	Himawan Kusuma Putra <i>Social Safeguard &amp; Public Relation Staff Dieng 2</i>	Member
<b>Representatives of village government and community</b>		
10	Head of Villages	Member
11	Community Leaders	Member
12	Women Representatives	Member
<b>Others</b>		
13	Wahyu Setyawan Minarto <i>Environmental and Social Safeguard Specialist (Project Management Consultant)</i>	Member
14	Contractor Representatives	Member

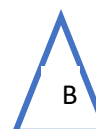
115. In the previous monitoring report, the grievances received were about the noise from drilling activity and well testing activity from the Pawuhan community, a request for a review of the location of the power plant from the Krajan community, the objection from the Pawuhan community about the sample soil test activity, and the plantation that affected by pond excavation, the disconnected electric cables by the drilling mobilization activities, and the roof and plantation that affected by GDE geothermal activity.

116. While the GRM records show that the mechanisms developed to facilitate stakeholder communication are effective, efforts to increase community involvement in the project, especially in receiving complaints and disseminating information regarding project activities, are necessary. Especially before and during the SLR-T-9C well testing activity in Krajan, Karangtengah, in December 2023.. . All grievances were resolved except those related to well testing SLR-T-9C as summarized in Table 4-15 and elaborated below.

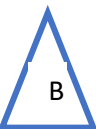


**Table 4-15. Summary of Grievances/Complaints Received and Resolution Status for Dieng-2 Sub-Project as of December 2022**

Village	Complaint/ Grievance Topic(s)	Number of Complaint/ Grievance Received		Status of Grievance(s)		
		#of complaint from previous monitoring period	# of complaint received within this monitoring period	# Resolved	# of On going	Remark
<b>Karang-tengah</b>	(i) noise; (ii) project construction rejection; (iii) information disclosure; (iv) farmland damage compensation	7	6	11	6	(i) project rejection from the community around Pad 38 – 1 grievance (ii) a local community member’s roof and plantation affected by steam from Dieng 1 activity – 1 grievance (iii) the potato plantations affected by well-testing SLR-T-9C – 4 grievances
<b>Dieng Kulon</b>						
<b>Kepakisan</b>	(i) farmland damage compensation; (ii) waste-cutting drilling pollution	-	2	-	2	(i) mud water from Pad 7 damage a local community farmland – 1 grievance (ii) waste-cutting drilling damage a local community’s pond – 1 grievance
<b>Bakal</b>						
<b>Sikunang</b>						
<b>Pranten</b>						
<b>Dieng (Wetan)</b>	Electricity blackout	1	-	1		



117. On 12 July 2022, Suryono representing himself and three local community members from Karangtengah raised a grievance about the irrigation pipes for his plantations that were affected by pond excavation activities near Pad 9. On 4 August 2022, GDE compensated by providing 70 pipes with a 2-inch diameter and 20 pipes with a 1.5-inch diameter. The complainant accepted this solution, and this grievance was resolved.
118. On 31 July 2022, Saiful Ma'ruf, a local community member from Karangtengah raised a grievance about the drilling mobilization disconnected the internet cable to his home. On 1 August 2022, GDE coordinated with PT Telkom Indonesia to repair the disconnected cable and install it in a safer position to prevent this accident from happening again. The complainant accepted the solution, and this grievance was resolved.
119. On 29 August 2022, Santo, a local community member from Karangtengah raised a grievance related to the drilling mobilization activity to Pad 9 affected his home. From the meaningful consultation with GDE, PMC, the contractor, and the complainant on 31 August 2022, all parties agreed that on 5 September 2022, the contractor would repair the complainant's house based on joint technical calculations by the contractor and the complainant. The complainant's house was repaired by the contractor, and this grievance was resolved.
120. On 26 September 2022, Aman Sasono, a local community member from Kepakistan raised a grievance because the mud water from drilling activity in Pad 7 contaminated his potato plantations. GDE and the contractor, with assistance from Banjarnegara Agriculture Service (PPL), assessed the potato plantation to calculate the compensation estimation after potatoes harvesting. For that reason, this grievance is still in progress.
121. On 22 October 2022, Sobirin, a local member community from Kepakistan village raised a grievance about the waste cutting from drilling in Pad 33 was polluted a river in the Bitingan sub-village. Responding to this grievance, GDE and the contractor closed the drainage from the pad to the river, constructed embankments, and promised not to dump the waste cutting from drilling in Pad 33 again. This grievance was still in progress, waiting to the construction of embankments to be completed.
122. On 26 December 2022, Sarman, a local member community from Karangtengah village raised a grievance about his potatoes plantations that were affected by the steam from SLR-T-9C well testing activity. Due to the well testing are still in progress, GDE received and documented the grievance, then monitored the potato plantation to calculate the compensation estimation after potatoes harvesting.
123. On 27 December 2022, Tuyono, a local member community from Karangtengah village raised a grievance about his potatoes plantations that were affected by the steam from SLR-T-9C well testing activity. Due to the well testing are still in progress, GDE received and documented the grievance, then monitored the potato plantation to calculate the compensation estimation after potatoes harvesting.
124. On 27 December 2022, Mukholik, a local member community from Karangtengah village raised a grievance about his potatoes plantations that were affected by the steam from SLR-T-9C well testing activity. Due to the well testing are still in progress, GDE received and documented the grievance, then monitored the potato plantation to calculate the compensation estimation after potatoes harvesting.



## 2. Patuha 2 Sub-Project

125. For Patuha-2 Sub-Project (HALO PATUHA 2), the communication media for grievances are as follows:

- Hotline : +62 812 – 30000 – 630
- E-mail : [halopatuha2@geodipa.co.id](mailto:halopatuha2@geodipa.co.id)
- Office : PT Geo Dipa Energi (Persero) Unit Patuha  
Jl. Rancabolang Km. 14, Desa Sugihmukti,  
Kec. Pasirjambu, Bandung

126. GDE has also established a Grievance Redress Committee referring to GDE's Decree No. 015.SK/PST.00-GDE/IV/2021 dated 15<sup>th</sup> April 2021, as shown in Table 4-16.

**Table 4-16. GDE Grievance Redress Committee Patuha 2**

No	Role/Institution	Position within Team
<b>COMMITTEE</b>		
<b>PT Geo Dipa Energi (Persero) – Project Head Office</b>		
1	Hefi Hendri <i>Project General Manager</i>	Head of Committee
2	Ray Armand <i>HSE &amp; Safeguard Division / Manager</i>	Member
	Reyno Rivelino Duta Muhammad <i>Government Relation &amp; Social Safeguard Officer</i>	
	Sari Ramadhani Putri <i>Environment Safeguard Asisstant Manager</i>	
	Sannita Debora Ambarita <i>Health &amp; Safety Asisstant Manager</i>	
<b>Representatives of sub-district level communication forum (<i>Forkompinca</i>)</b>		
3	Head of Sub-District ( <i>Kecamatan</i> )	Member
4	Head of Police Sector ( <i>Polsek</i> )	Member
5	Head of Military Area Command ( <i>Koramil</i> )	Member
<b>TECHNICAL TEAM</b>		
<b>PT Geo Dipa Energi (Persero) – Project Site Office Patuha 2</b>		
6	Danang Maulana Sumalingga <i>Project Manager Patuha 2</i>	Head of Technical Team
7	Aditya Rahman <i>HSE &amp; Safeguard Superintendent Patuha 2</i>	Member
8	Yudha Wahyu Pratama <i>Social Safeguard &amp; Public Relation Supervisor Patuha 2.</i>	Member
9	Ananda Riana Putri <i>Social Safeguard &amp; Public Relation Staff Patuha 2</i>	Member
<b>Representatives of village government and community</b>		
10	Head of Villages	Member



No	Role/Institution	Position within Team
11	Community Leaders	Member
12	Women Representatives	Member
<b>Others</b>		
13	<i>Wahyu Setyawan Minarto Environmental and Social Safeguard Specialist (Project Management Consultant)</i>	Member
14	Contractor Representatives	Member

127. In the previous report, there were 4 (four) grievances received. It was about the mobilization impact, labor standards, and traffic disturbances. All grievances were resolved. In addition, the hotline number for Halo Patuha was changed from 0812-30000-630 to 0812-8888-7630 in April 2022. In addition, the hotline number for Halo Patuha was changed from 0812-30000-630 to 0812-8888-7630 in April 2022. This number change was disclosed and published to the stakeholders.
128. The GRM records indicate that the mechanisms developed by GDE to facilitate stakeholder communication are effective and that the company is reachable by various parties. GDE has also intensified the Grievance Redress Mechanism disclosure/dissemination to stakeholders, as each local (village/sub-district) government office now has a banner and leaflet related to GDE Grievance Redress Mechanism provided. There was no grievance/complaint recorded during reporting period (July - December 2022); see the summary in Table 4-17.

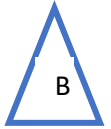
**Table 4-17. Summary of Grievances/Complaints Received and Resolution Status for Patuha-2 Sub-Project as of December 2022**

Village / Institution	Complaint/ Grievance Topic(s)	Number of Complaint/ Grievance Received		Status of Grievance(s)		
		#of complaint from previous monitoring period	# of complaint received within this monitoring period	# Resolved	# of On going	Remark
<b>Sugihmukti</b>	(i) labour standards	1	-	1	-	-
<b>Alamendah</b>	(i) compensation	2	-	2	-	-
<b>Panundaan</b>	(i) compensation	1	-	1	-	-

## 5. INSTITUTIONAL SUPPORT TO SOCIAL SAFEGUARDS

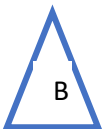
### A. Staff Support to Ensure Compliance

129. **A Project Management Consultant.** During July - December 2022, the international social specialist has been covered by Christine Seta since Dwi Setyaningsih resigned in March 2022 due to health issue. Christine responsible as international social specialist and gender specialist from July up to 21 November 2022. Referring to PMC's Letter D2P2-LET-AEC-GDE-020 dated 4 July 2022 covering proposed safeguard structure, resourcing and workplan, PMC Safeguard team has prepared the new structure to be proposed to PMU for HSE Safeguard specialist, Social International Specialist and Gender Specialist. The H&S and Safeguard Specialist (Wahyu Setyawan Minarto) have been on board 7 November 2022 and Gender Specialist (Dini Anitasari Sabaniah) on 21 November 2022. The gender specialist has been assisted by two gender assistants. In the other hand, due to many social activities and issue especially in Dieng site, the two gender assistants also support social field. The international specialist continues to provide backup support to ensure the availability of support to social safeguards/resettlement concerns of PMC's tasks. In the meeting between ADB-PMU-PMC on 15 December 2023 was discussed that many social safeguards assessments need to be done and social safeguards plan documents need to be finalized. Therefore, PMC international social specialist needs to be replaced. PMU-PMC was looking for the new international social specialist. The consultants are supporting the PMU - Government Relations & Social Safeguard Staff (Reyno Rivelino and Jihan Prasetyo), GRM Handling (Viosy Tederick), and GDE's Land Acquisition Team Leader (Ahmad Riyan). They assist in the implementation of land acquisition and involuntary resettlement activities, delivery of Livelihood Restoration Programs, Community Development Reorientation activities, GRM handling, and monitoring and reporting.
130. **Capacity Building.** Regarding Gender Action Plan (GAP), Target 9, Pre-Training of 'Gender Perspective Community Facilitator Training' was conducted on 27 December 2022. The pre-training was participated by 16 persons, consist of 7 female and 9 male. This activity aimed to hear and gather information from participants regarding the current situation of the social aspects of the Geothermal Power Generation Project (GPGP)-D2P2, especially in gender aspects. The answers from the participants are used to obtain more complete information regarding the material or topic needs to be discussed in the training later in January 2023.

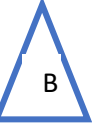


### B. Funds Availability and Sourcing and Limitations to LARP Implementation

131. As per the previous semi-annual report, the availability of budget for additional land acquisition (about IDR 36,089,151,740) based on LARP 2021 has been allocated at the end of December 2021 to compensate a total of 3 AHs, with the implementation payment process up to January 2022.
132. During the monitoring period from July to December 2022, the meeting between ADB-PMU-PMC was held on August 5, 2022, to discuss the feasibility of revisiting the actual payment and topping up the compensation. Prior to the payment, GDE sought legal opinion on the initial measurement and valuation result from the Provincial Auditors (BPKP) and asked the appraisal team to conduct a re-evaluation of compensation to refer to the areas listed in the AHs certificates, as was recommended by the auditor. The re-valuation was held on December 16, 2021. The 3<sup>rd</sup> re-valuation of compensation was prepared by the independent appraiser on September 13, 2022, referring to the latest

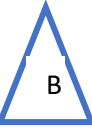


affected land measurements as requested by the notary to verify the affected area listed in the certificates in order to prepare a deed of sale and purchase land. The latest independent appraiser report had been used as a basis for the Addendum LARP to the 2021 Dieng LARP. The additional payment required is IDR 1,324,722,750. The budget is allocated by GDE and will be delivered in January 2023.

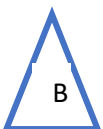


## 6. OTHER CONCERNS, NOTES AND CORRECTIVE ACTIONS

### A. Others Concerns



133. **Current Livelihood.** Based on the Dieng RP (2019), a Livelihood Restoration Plan (LRP) has been developed and implemented, as explained in Chapter IV Part C of this document. Having rapid field observation during the preparation for construction, and with reference to the Project Administration Manual and Project's Gender Action Plan (GAP), it has been strongly suggested that the coverage of the current livelihood assessment and strategic community development program should be expanded to GDE's neighboring communities with one more village, Dieng (Wetan), which was assessed and considered to be affected by the project activities. Thus, there would be seven (7) affected villages namely Karangtengah, Dieng Kulon, Sikunang, Bakal, Kepakistan, Dieng (Wetan) and Pranten Villages. A new need assessment of current livelihood practices covering community in seven affected villages has been conducted to include representation of the community in each village, and not only limited to the Project's Affected Household (AHs) and or Affected Peoples (APs) as in the RP. The assessment of current livelihood in seven villages as a part of GAP was implemented in February – March 2022. The assessment report was developed on 30 December 2022 and under review. The report summary is described in the following point.
134. **Summary of Livelihood Condition Needs Assessment – Dieng 2022 Report in Accordance with Project Gender Action Plan (GAP) Activity 6.** The highlights of the assessment are as below:
- MSMEs and entrepreneurship; need training in food processing technology and innovation, business licenses, packaging, and marketing.
  - Agriculture; need innovations, infrastructure, access to capital, agriculture diversification.
  - Tourism sector; need training for local guides, increase promotion and ability to design marketing strategies, strengthen the role of Pokdarwis.
  - Services sector; need training for services such as motorcycle repair and welding, assistance with workshop tools.
  - Education; providing community about the importance of education, course for packages A, B, C, and scholarship.
  - Environment and health; improvement of neighborhood roads and farm roads, drainage system, public toilets, septic tank construction program, tree planting, clean water distribution, and effort to reduce stunting rates.
135. **Workforce.** In terms of local hiring, in July 2021, Geo Dipa has done some preparation to recruit local employees such establishing a selection committee for local workers for Dieng and Patuha. The bidding and contracts for main contractors (APS, PRA and Supraco) have been reviewed to ensure they integrate the requirement of 20% local hire and of 20% local women hire in their target, as in Section 6 of bidding documents. Although the main and sub-contractors have integrated and been made aware of the target, the 20% local women hired target has yet to be met, because the communities in the surrounding area have the perception that it is not proper for women to work in a construction site. From the latest data per December 2022, total local hire in Dieng Unit



2 was 112 workers; consisting of 3 females (3%) and 109 males (98%). In Patuha Unit 2, the total local hire was 164 workers; 16 females (10%) and 148 males (90%). The total of female workers in both sites was 19 (7%). Detailed data is presented in Table 6-1 below.

**Table 6-1. Project Workforce in Dieng-2 and Patuha-2**

LOCATION	FEMALE		MALE		FEMALE + MALE
	∑	%	∑	%	
Dieng	3	3%	109	98%	112
Patuha	16	10%	148	90%	164
<b>TOTAL</b>	19	7%	257	93%	276

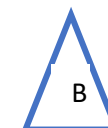
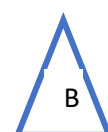
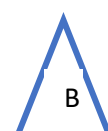
136. To improve and meet the ADB requirement of 20% local women workers hired, the next batch of local hiring will integrate the identification of any open positions in the main and sub-contractors with information on the time duration required for the jobs and the availability of the communities for the particular requirements, to help increase womens' interest in applying for some roles/positions. As guidance for local hire recruitment next batch, SOP of Workforce Management has been developed. The SOP is being legalized by GDE Head Office.
137. **Correction Action Plan.** Regarding ADB fielded a special safeguards mission to Dieng on 7-11 March 2022, to visit the project sites, review the status of complaints and grievance resolution process, consult with local stakeholders and communities, drilling and well-testing contractors regarding the issues raised, and review overall safeguards compliance, a Correction Action Plan (CAP) has been developed. The CAP implementation progress is updated regularly (Corrective Action Plan: INO GPGP - Environmental and Social Safeguards on 31 December 2022, see **Appendix C**). The status of CAP progress implementation until 31 December 2022 is 15 Completed, 28 On Going, and 1 Not Yet.

**B. Revised, thanks Loan Covenants Compliance Analysis**

138. The social safeguard monitoring report for July - December 2022 period has been developed by PMU and assisted by PMC Social Safeguard team. Based on the assessment of compliance with loan covenants related to social safeguards aspects, it is concluded that three indicators of the loan covenants are compliant both for Dieng 2 and Patuha 2, as stated in Table 6-2 for paragraph number 15, 17, 19 and 20. The partial compliance is stated in paragraph number, 16, 18, and 21.

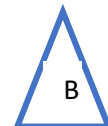
**Table 6-2. Loan Covenants Compliance Analysis (as of December 2022)**

Para No.	Description	Compliance Result/Issues
<b>Schedule/Article 4</b>		
<b>Para 15</b>	The Borrower shall ensure that all land and all rights-of-way required for the Project are made available to the Works Contractor in accordance with the schedule	Compliant both for Dieng 2 and Patuha 2  Land clearing compensation was paid in October 2020, following the Resettlement Plan and in accordance with Presidential

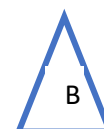


Para No.	Description	Compliance Result/Issues
	<p>agreed under the related Works Contract and all land acquisition and resettlement activities are implemented in compliance with:</p> <p>(a) all applicable laws and regulations of Indonesia relating to land acquisition and involuntary resettlement;</p> <p>(b) the Involuntary Resettlement Safeguards; and</p> <p>(c) all measures and requirements set forth in the RPs and the DDR, and any corrective or preventative actions set forth in the Safeguards Monitoring Report.</p>	<p>Regulation No. 62/2018.</p> <p>The external monitoring consultant had been hired by PMU to monitor the implementation of compensation to cultivators at Mess EX-PLN, as well as the condition of cultivators before and after compensation was given.</p> <p>Based on Corrective Action Plan (CAP) ADB Mission on 5 April 2022 stated that the land from 6 landowners for the access road from well pad 9 to the new substation at Pad 38 would no longer be acquired due to changed alignment. The civil work status confirmed that well pad 38 has been moved to well pad 29, thus, PMU has not yet conducted any additional study for this new design.</p> <p>GDE has decided to relocate the power plant from Pad 38 to Pad 12. This policy has an impact on its supporting activities, such as the provision of a new alignment of the pipeline between the previous GDE 2 power plant in pad 38 and pad 9 as mentioned in CAP ADB mission. The engineering team confirmed that new alignment was no longer required.</p> <p>DDR documents required for additional project components based on CAP ADB mission are under preparation both for Dieng 2 and Patuha 2. The DDR Dieng report needs to be completed by technical data of socio-economic analysis and DDR Patuha has been submitted to PMU and ADB officially in December 2022. There were no constructions started in the area with IR issue.</p> <p>The replacement land of IPPKH with an area of 6.05 Ha has been determined to be located in Sugihmukti village and the process of land acquisition is carried out through a direct buying and selling process between GDE and the landowners. The determination of the amount of compensation has been calculated by an independent appraiser. The agreement has been made between GDE and the landowners, that the amount of compensation has been agreed upon by both parties.</p>

Para No.	Description	Compliance Result/Issues
		LARP replacement land of IPPKH has been prepared referring to ADB's SPS and Indonesian government regulations. There is no construction started in the area with IR issue.
<b>Para 16</b>	<p>Without limiting the application of the Involuntary Resettlement Safeguards, the RPs, or the DDR, the Borrower shall ensure that no physical or economic displacement takes place in connection with the Project until:</p> <p>(a) compensation and other entitlements have been provided to affected people in accordance with the RPs and the DDR; and</p> <p>(b) a comprehensive income and livelihood restoration program has been established in accordance with the RPs and the DDR.</p>	<p>Partially Compliant for Dieng 2 and Patuha 2 subproject.</p> <p>The compensation of land clearing execution for proposed Dieng-2 power plant site has been paid to (i) all (23) tenant farmers based on Independent Appraiser valuation and all of the Payment Process through Bank Account of AHs.</p> <p>The results of internal monitoring by PMC social safeguard concluded that the compensation payment process referred to the RP 2019 and was carried out in accordance with Presidential Decree 62 of 2018 through the Integrated Social Impact Management Team.</p> <p>GDE/PMU has revisited the rates of compensation paid to APs for land acquisition for expansion land of Dieng-2 well pad 7 and well pad 9. GDE will deliver the difference between the third valuation and the previous delivered payment, so the total top up compensation for additional land in well pad 7 is <b>IDR 926,139,750</b>, and well pad 9 is <b>IDR 398,583,000</b>.</p> <p>Comprehensive livelihood restoration programs in accordance with Dieng-2 RPs 2019 and the Patuha DDR are being implemented by GDE for the APs both in Dieng and Patuha. However the participants need to be more involved the APs.</p> <p>The monitoring of LRP implementation that has been conducted by PMC through the Internal Monitoring Report.</p>
<b>Safeguards - Indigenous Peoples</b>		
<b>Para 17</b>	The Borrower shall ensure that the Project does not have any indigenous people's impacts within	<p>Complied with for both subprojects.</p> <p>Based on ADB Safeguard Assessment there</p>

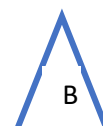


Para No.	Description	Compliance Result/Issues
	the meaning of the SPS. If due to unforeseen circumstances, the Project has indigenous people's impacts, the Borrower shall take all necessary or desirable steps to ensure that the Project complies with all applicable laws and regulations of Indonesia and with the SPS.	are no indigenous peoples (IPs) residing in the project location. Therefore the project been declared as category C for indigenous people, Assessments during project implementation have not concluded any impact on IP, and the assigned category C remains unchanged. GDE is committed to follow the ADB SPS.
<b>Human and Financial Resources to Implement Safeguards Requirements</b>		
<b>Para 18</b>	The Borrower shall make available necessary budgetary and human resources to fully implement the EMPs, the RPs and the DDR.	<p>Partially Compliant for both Dieng 2 and Patuha 2 subprojects.</p> <p>Payment of compensation for tenant farmers in Dieng-2 site has been paid on time. Budget for additional land acquisition has been allocated in 2021 and The LA payment has been carried out at the end of January 2022.</p> <p>There is a difference in payments as stated in the approved LARP Dieng 2021. GDE will allocate a budget for compensation top up in January 2023. The top-up has to be delivered after the approval of Addendum LARP.</p> <p>In Patuha, the compensation for replacement land of IPPKH in Sugihmukti Village was delivered in December 2022. However the LARP had not been approved, so ADB suggest to change the doc into DDR.</p> <p>5 Social Safeguards Staff/Officer have been appointed in PMU head office. The national social safeguard consultant under PMC has been appointed while for international social safeguard needs to be replaced due to the resignation of the previous international expert that has onboarded to the Team.</p>
<b>Grievance Redress Mechanism</b>		
<b>Para 19</b>	The Borrower shall ensure that a safeguards grievance redress mechanism acceptable to ADB has been established and is maintained in accordance with the provisions of the IEEs, the EMP,	<p>Compliant for both Dieng 2 and Patuha 2 subprojects.</p> <p>GDE has developed a GRM and related SOP dated September 10<sup>th</sup> 2020 by GDE's Decree No. 034.SK/PST.00-GDE/IX/2020.</p>





Para No.	Description	Compliance Result/Issues
	the RPs, the DDR and the PAM, to consider safeguards complaints.	<p>The GRC was established in July 2021.</p> <p>The GRM mechanism that has been established has been stipulated in RP Dieng 2019, LARP Dieng 2021, LARP of Replacement land of IPPKH, and DDR Patuha 2022. Need for improvements in grievance reporting has been identified.</p>
<b>Safeguards - Related Provisions in Bidding Documents and Works Contracts</b>		
<b>Para 20</b>	<p>The Borrower shall ensure that all bidding documents and Contracts for Works contain provisions that require Contractors to:</p> <p>(a) comply with the measures relevant to the Contractor set forth in the applicable IEE, the EMP, the RP, and the DDR (to the extent they are concern with impacts on affected people during construction), and any corrective or preventative actions set forth in a Safeguards Monitoring Report;</p> <p>(b) make sure budget for all such environmental and social measures available;</p> <p>(c) provide the Borrower with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the applicable IEE, the EMP, the RP, and the DDR;</p> <p>(d) adequately record the condition of roads, bridges, agricultural land, houses and other infrastructure prior to starting to transport materials and construction; and</p> <p>(e) reinstate pathways, roads, bridges, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction.</p>	<p>Compliant both for Dieng 2 and Patuha 2 subprojects.</p> <p>All ADB financed contracts procurement are following the ADB Procurement Policy and Regulations. The process and implementation of the procurement process is closely supported by ADB procurement consultant and under the guidance of ADB Procurement &amp; Safeguard Specialist and Technical Assistance. A specific clause related to the contractual obligation on to the social safeguards was included in the bidding documents, and in relation to the RP/LARP and or DDR (for Dieng and Patuha respectively).</p>
<b>Safeguards Monitoring and Reporting</b>		
<b>Para</b>	The Borrower do the following:	Partially Compliant



Para No.	Description	Compliance Result/Issues
21	<p>(a) submit semi-annual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission;</p> <p>(b) if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEEs, the EMPs, the RPs, and the DDR promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan; and</p> <p>(c) report any actual or potential breach of compliance with the measures and requirements set forth in the EMPs, the RPs, and the DDR promptly after becoming aware of the breach.</p>	<p>All social safeguards reports related to Dieng and Patuha 2 have been uploaded to the GDE website, except the SSMR Jan-June 2022. There are environmental and social management frameworks uploaded in GDE website.</p>

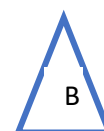
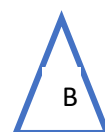
### C. Compliance with Social Safeguards Policy Principles

139. Compliance assessment in accordance with the project resettlement principles set forth are shown in Table 6-3.

**Table 6-3. Social Safeguards Project Principles Compliance Analysis (as of December 2022)**

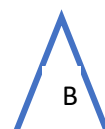
No	Social Safeguards Project Principle- refer to RP Dieng and DDR Patuha	Compliance Assessment
1	Avoid involuntary resettlement as much as possible. If this is not possible, impacts shall be minimized by exploring project and design alternatives. Efforts to minimize resettlement impacts have been taken by GDE through; (a) using GDE's lands for Dieng – 2; only 3,010 m <sup>2</sup> additional land will be acquired for the sub-project through negotiated land acquisition; and (b) applying use of underground transmission cable for the construction of the transmission line along approximately 6 Km from the proposed Dieng Unit 2 Power Plant to the existing sub-station. Efforts to minimize resettlement impact will continue during implementation.	<p><b>Compliant</b></p> <p>Designs are optimized to minimize IR impacts. Most of the expansion of wellpads for Dieng2 and Patuha 2 are on the GDE's lands.</p> <p>Dieng project includes the development of sub-stations for Dieng-1 and Dieng-2. A RP for Dieng 2, the DDR for Patuha-2, LARP for Expansion Well Pad in Dieng-2 and LARP of Replacement land of IPPKH have been developed based on a social impact assessment of all APs and a mitigation plan is included.</p>
2	Screen sub-project components during feasibility study or before preparation of resettlement plan to identify involuntary resettlement impacts and risks and the likelihood of impacts per subproject activity.	<p><b>Compliant</b></p> <p>Social Impact Assessment (SIAs) have been carried out during subproject preparation with attention paid to the participation of women and other vulnerable groups. Subproject screening was conducted in the early stage of SIAs.</p>
3	Carry out culturally appropriate and gender-sensitive social impact assessments (SIA) to assess potential impacts on APs particularly with affected vulnerable groups.	<p><b>Compliant</b></p> <p>Consultations have been carried out during preparation of social safeguards planning documents involving APs, vulnerable groups, community surrounding, CSOs, NGO and relevant institutions within local government.</p> <p>information regarding entitlements, compensation determination methods and payment mechanisms are contained in the</p>
4	Conduct meaningful consultations with affected APs, stakeholders, concerned NGOs, and community groups to solicit their participation across land acquisition and involuntary resettlement process and monitoring. Inform APs on the land acquisition and involuntary resettlement process, their entitlements, and compensation and assistance options. Pay attention to the need of vulnerable groups, especially those below the poverty line, the landless, the elderly,	<p><b>Compliant</b></p> <p>Consultations have been carried out during preparation of social safeguards planning documents involving APs, vulnerable groups, community surrounding, CSOs, NGO and relevant institutions within local government.</p> <p>information regarding entitlements, compensation determination methods and payment mechanisms are contained in the</p>

No	Social Safeguards Project Principle-refer to RP Dieng and DDR Patuha	Compliance Assessment
	women and children, and those without legal title to land and ensure their participation in consultations.	public information booklet (PIB).  Consultations continued on diverse topics with all stakeholder groups through the reporting period and will be continued during and after construction.
5	Establish a grievance redress mechanism to receive and facilitate the affected persons's concerns .	<b>Compliant</b>  A Project GRM has been outlined in the RP 2019 and LARP 2021, GDE has developed SOP concerning GRM on September 10 <sup>th</sup> 2020 referring GDE's Decree No. 034.SK/PST.00-GDE/IX/2020. A GRC was established on July 2021.
6	Improve or at least restore the livelihood of the APs through (a) land-based income and livelihood program; (b) replacement of assets with equal or higher value; (c) compensation at full replacement cost for lost assets; and (d) additional assistance through benefit sharing where possible.	<b>Partially Compliant</b>  Comprehensive livelihood restoration programs in accordance with Dieng-2 RPs 2019 are being implemented by GDE for the APs. However, only four APs have been received the LRP. For the next LRP implementation will prioritize APs (and/or his members).  Land Clearing budget has been calculated with reference to replacement cost as stipulated in ADB's SPS 2009, The Government Regulation No. 19 Year 2021 and Indonesia Valuation Standard (SPI) 204.  Payment of compensation during land clearing conducted on 7 <sup>th</sup> October 2020 with total amount of IDR 1,472,838,998, where this amount was higher than the estimated in RP Dieng 2019, about IDR 1,357,000,000.  The top up compensation for AHs in well pad 7 and well pad 9, based on the Addendum LARP Dieng 2022 calculated by the independent appraiser based on full replacement cost.  Regarding LARP for Replacement Land in Patuha, an independent appraisal had



No	Social Safeguards Project Principle-refer to RP Dieng and DDR Patuha	Compliance Assessment
		been appointed since August 2022 and its report was delivered on October 27th, 2022. The compensation was appraised with full replacement cost for lost assets.
	Assist and compensate APs without title or any recognizable legal rights to land for non-land assets at replacement cost.	<p><b>Compliant</b></p> <p>GDE has provided compensation to the tenant farmers utilized GDE's land at replacement cost and the land workers (farm labourers) based on SPI 204. Amount of compensation was calculated/recommended by independent appraiser.</p>
	Pay compensation for lost land and non-land assets prior to physical or economic displacement. Civil works will not commence until APs are fully compensated, and other entitlements take place.	<p><b>Partially Compliant.</b></p> <p>Part of the compensation for landowners in well pad 7 and well pad 9 had been provided by GDE prior the civil works. GDE will allocate the budget for top up compensation in January 2023.</p> <p>The landowners in well pad 7 and well pad 9 had provided loss of income allowance to their farm laborers equal with three months of their salary. However, the land workers actually will not lose their income since they can continue their work in other lands of the owners.</p> <p>The compensation for landowners, tenant farmers and land workers in the replacement land of IPPKH in Patuha has been provided by GDE in January 2023.</p>
	Disclose the RP document and its updates, if required to the APs and other stakeholders in an accessible place and a form and understandable language. The RP will be disclosed on project and ADB's website.	<p><b>Compliant for both Dieng-2 and Patuha-2 subprojects.</b></p> <p>The RP 2019 for Dieng 2, the DDR for Patuha-2 and LARP 2021 for Dieng-2 have been disclosed in the ADB website and GDE's website.</p> <p>The summary of RP 2019, DDR and LARP 2021 in form of a project information booklet (PIB) has also been disseminated to AHs and other relevant stakeholders.</p>

No	Social Safeguards Project Principle-refer to RP Dieng and DDR Patuha	Compliance Assessment
	Negotiated land acquisition will follow procedure in a transparent, consistent, and equitable principles and be confirmed through a written record and verified by an independent third party.	<p><b>Partially Compliant for Dieng-2 and Patuha-2 subprojects.</b></p> <p>Land acquisition has applied the IR policy and principles in full. The negotiated land for LARP Dieng 2021 and LARP Patuha 2022 were not confirmed by written record and verified by an independent third party.</p>
	Monitor implementation of the resettlement planning, resettlement outcomes and impacts on the APs standards of living. Disclose monitoring reports on the project's website and make it available on the project office.	<p><b>Compliant for Dieng 2 and Patuha 2 subprojects.</b></p> <p>Social Safeguards Semi-Annual report presents the 6 monthly monitoring overview, whereas quarterly monitoring reports are also available. These are provided at the Project office in Soreang and is in the process of being disclosed on GDE and ADB website. All documents of Social Semi-Annual Monitoring Report have been disclosed in ADB Website and GDE Website (except SSMR Jan – June 2022).</p> <p>Internal monitoring for RP 2019 implementation had been implemented during March – July 2022. The report has been covered in semi-annual monitoring report Jan – June 2022. The external monitoring report is being implemented by EMA consultant and will be reported in semi-annual monitoring report Jan – June 2023.</p>
	The Sub-project will not issue the notice to proceed (NTP) for any construction works until full payment has been fully disbursed to all APs and compensated APs have cleared the acquired land and harvested their crops in a timely manner.	<p><b>Partially Compliant for Dieng-2 and Patuha-2 subprojects</b></p> <p>Land clearing execution and area fence construction for proposed Dieng-2 power plant site were carried out after: (i) compensation payments received by the 23 (twenty three) tenant farmers; and (ii) 4 (four) farmer coordinators were hired as GDE's worker.</p> <p>The LA compensation for additional land of drilling activities has been paid at the end of January 2022 prior the start of construction. Due to the difference payment between actual payment and</p>



No	Social Safeguards Project Principle- <i>refer to RP Dieng and DDR Patuha</i>	Compliance Assessment
		approved LARP Dieng 2021, GDE has conducted the re-measurement by BPN and will allocate the budget for top-up compensation after LARP addendum approved by ADB in January 2023.

#### **D. Compliance with the Entitlement Matrix**

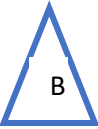
140. Compliance assessments in accordance with the entitlement matrix set forth in the approved Resettlement Plan for Dieng 2 subproject are shown in Table below.

#### **E. Outstanding Issues on Resettlement, Corresponding Plan of Action and Status**

141. Outstanding issues and concerns updates from the previous report are shown in Table 6-5 below.

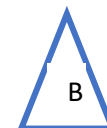
Table 6-4. Compliance Assessment to The Entitlement Matrix as of December 2022

NO.	TYPE OF LOSS	ENTITLED PARTY / PERSON	ENTITLEMENT	COMPLIANCE ASSESSMENT
<b>Loss of Land</b>				
1.	Loss of land, including agricultural and residential land  <u>Applies to land acquisition</u>	Those who have formal legal rights or those whose claims over the land is recognised as a full title, including people occupying State land in good faith.	<ul style="list-style-type: none"> <li>▪ Cash compensation at replacement cost and reflective of fair market value at the time of payment of compensation; or land replacement with at least similar attributes to the acquired land in term of value, productivity, location, and titling.</li> <li>▪ Any taxes and transactional cost borne by the project.</li> <li>▪ Financial assistance for the renewal of the land ownership documents (certificate and land documents recognized as full title) for the residual area of the entitled persons' land.</li> <li>▪ If the remaining affected land can no longer function</li> </ul>	<p><b>Partially Compliant</b></p> <p>The agricultural land has been calculated based on replacement cost and reflective fair market value refer to SPS ADB 2009 and Indonesia Valuation Standard 204 both in LARP Dieng 2021, LARP Addendum Dieng 2022, and LARP Replacement Land of IPPKH Patuha 2022.</p> <p>The financial assistance called covered in administrative cost in LARP Dieng 2021 and LARP Replacement Land of IPPKH Patuha 2022 have been calculated based on Indonesia Valuation Standard 204. However, the payment for land owners (LARP Dieng 2021) was less than land value by independent appraisal. Therefore, LARP Addendum Dieng was developed to top up the compensation.</p>

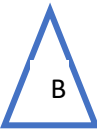




NO.	TYPE OF LOSS	ENTITLED PARTY / PERSON	ENTITLEMENT	COMPLIANCE ASSESSMENT
			for the specific use and utilization, the entitled party can ask for compensation for their entire land at replacement cost (Law No. 2 / 2012 article 35).	
<b>Loss of Crops</b>				
2.	Loss of crops <u>Applies for land acquisition and land clearing</u>	Owners regardless of land tenure status (with certificate of recognizable rights, informal dwellers, occupants)	<ul style="list-style-type: none"> <li>▪ Annual crops: compensation will be paid based on prevailing market rates.</li> <li>▪ Perennial crops: compensation at replacement cost by considering crops' productivity and age.</li> <li>▪ No deduction of depreciation for the valuation of crops.</li> </ul>	<p><b>Partially Compliant</b></p> <p>Compensation to the loss of crops provided to the tenant farmers (RP Dieng 2019), land owners (in LARP Dieng 2021), land owners and tenant farmers (in LARP of Replacement Land of IPPKH Patuha) based on the valuation of independent appraisal.</p> <p>However the payment for land owners (LARP Dieng 2021) was less than the land value by independent appraisal.</p>
<b>Economic Losses</b>				
3.	Loss of arable land for farming <u>Applies to land clearing</u>	People who have leased / occupied GDE land for farming.	Cash compensation for loss of crops income equivalent to a minimum of one year of net product market value	<p><b>Compliant</b></p> <ul style="list-style-type: none"> <li>▪ Cash compensation for loss of income equivalent to 1- 2 years of net product</li> </ul>

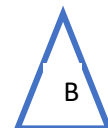


NO.	TYPE OF LOSS	ENTITLED PARTY / PERSON	ENTITLEMENT	COMPLIANCE ASSESSMENT
				<p>market value. It was paid lump sum to AHs.</p> <ul style="list-style-type: none"> <li>▪ APs are allowed to harvest prior to land clearing, land acquisition and land leased.</li> <li>▪ The farm labors working in the leased land will not lost their income since they could continue work in other land owned by the tenant farmers and landowners.</li> </ul>
<b>Temporary or Permanent Impacts on Non-land Assets during Construction</b>				
4.	Temporary or permanent impacts due to construction.	For those who have formal legal rights or whose claim on land is recognized as a full right.	<ul style="list-style-type: none"> <li>▪ For lease payments of the affected land by the contractor based on applicable rental fees and agreement with land owners.</li> <li>▪ For productive land, rental fee will not be less than net income that would have been generated from the affected productive land.</li> <li>▪ Compensation for non-land assets acquired (trees, plants, structures) permanently affected will</li> </ul>	<p><b>Compliant</b></p> <p>Impacts from pre-construction activities are being monitored. Also, grievances from community is recorded and handling by PMU. For example; grievance of noise due to well testing Pad 31 is closed, grievances related to plantation due to well-testing Pad 9 is closed, etc.</p> <p>Construction activities have not begun.</p> <p>The rig mobilization activities as part of initial construction activities were done but did not impact on the LA affected</p>

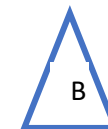


NO.	TYPE OF LOSS	ENTITLED PARTY / PERSON	ENTITLEMENT	COMPLIANCE ASSESSMENT
			be compensated at replacement cost. <ul style="list-style-type: none"> <li>▪ Land will be restored to pre-project conditions or better after construction has been completed.</li> </ul>	groups (no IR triggered due to no land/structure impacted).
5.		Those who have no formal legal rights (certificate) or recognizable title (informal dwellers, croppers)	<ul style="list-style-type: none"> <li>▪ Compensation for non-land assets (trees, crops, structures) at full replacement cost.</li> <li>▪ No rental fee for the period of the impact.</li> <li>▪ Land will be restored to pre-project conditions or better after construction has been completed.</li> </ul>	
6.		Government or State enterprises/communal property and assets (e.g. schools, mosques, village office power poles, village road etc.)	<ul style="list-style-type: none"> <li>▪ Rebuilding the facility or provide cash compensation based on the agreement with affected party(ies).</li> </ul>	
<b>Other Appraisable Losses</b>				
7.	Transaction cost <u>Applies to land acquisition and land clearing</u>	Those who has lost land and non-land assets regardless formal legal rights to land.	<ul style="list-style-type: none"> <li>▪ Allowance to cover administration cost, renewal of land ownership for residual land, land clearing.</li> </ul>	<b>Compliant</b>  Compensation received by tenant farmers free from any administration cost, all administration cost paid by Geo Dipa Energi

NO.	TYPE OF LOSS	ENTITLED PARTY / PERSON	ENTITLEMENT	COMPLIANCE ASSESSMENT
				<p>The transaction cost covered in administrative cost in LARP 2021 and LARP of Replacement Land of IPPKH have been provided based on Indonesia Valuation Standard 204.</p>
8.	<p>Compensation for waiting period (interest)  <u>Applies to land acquisition and land clearing</u></p>		<ul style="list-style-type: none"> <li>▪ Cash compensation based on risk-free interest, Government bank interest.</li> </ul>	<p><b>Compliant</b></p> <p>The waiting period cost are calculated by appraiser in LARP 2021 has been calculated based on Indonesia Valuation Standard 204 but the waiting period was not paid because the landowners had received payment directly after signing the handover of land ownership from the landowners to GDE.</p>
9.	<p>Loss of resource base (high risk of impoverishment)  <u>Applies to land acquisition and land clearing</u></p>		<ul style="list-style-type: none"> <li>▪ One household member per AH given the opportunity for employment in project related job during construction.</li> <li>▪ Participation in livelihood restoration program (LRP).</li> </ul>	<p><b>Partially Compliant</b></p> <ul style="list-style-type: none"> <li>▪ Part of the LRP has been implemented (such as : the development of ground well and health services). The economic empowerment training has started in 2021 up to 2022 onward.</li> <li>▪ The 4 (four) leasing coordinators were hired as project workers (RP Dieng 2019), other AHs have not yet included in the LRP implementation.</li> </ul>

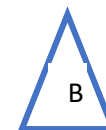
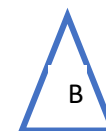


NO.	TYPE OF LOSS	ENTITLED PARTY / PERSON	ENTITLEMENT	COMPLIANCE ASSESSMENT
				<p>Therefore, they will be prioritized in the next LRP implementation.</p> <ul style="list-style-type: none"> <li>▪ The LRP for AHs in LARP Dieng 2021 will be implemented in 2023.</li> </ul>
10.	Unanticipated impacts or losses		<ul style="list-style-type: none"> <li>▪ Compensation for any damages to the properties, based on prevailing replacement cost.</li> <li>▪ Provisions of mitigating measures shall be mitigated and documented based on project principles set forth in this RP/LARP.</li> </ul>	<p><b>Compliant</b></p> <ul style="list-style-type: none"> <li>▪ Social Safeguards provision included in the bidding documents, including contractor responsibility to provide compensation for any damages to the public/private assets due to construction activities.</li> <li>▪ Social Economic survey/assessment of LARP for new Power Plant in Pad 12 (not yet due).</li> </ul>

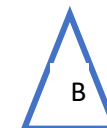


**Table 6-5. Outstanding Issues and Concerns**

SUB PROJECT	OUTSTANDING ISSUES AND CONCERNS		FOLLOW ACTION/S		
	New/ Current	Pending From Previous Monitoring Reports	Action	Responsible Institution	Deadline
Dieng-2					
	The New DDR document for project components which has not been covered in the approved Dieng-2 RP 2019 and 2021.	<ul style="list-style-type: none"> <li>The New DDR will be prepared for project components which has not been covered in the approved Dieng-2 RP 2019 and LARP 2021.</li> </ul>	Developing the DDR	GDE HSE & Safeguard	February 2023
	Additional land acquisition for expansion of Pad 7, 9, and 30	There is the difference payment between actual payment and approved LARP 2021.	<ul style="list-style-type: none"> <li>Waiting for the approval of LARP Dieng (addendum).</li> <li>Top-up will be paid after the doc approval.</li> </ul>	GDE LAT, HSE & Safeguard,	January 2023
	Operationalize GRM	Grievance Redress Committee establishment (GRC)	GRC Dissemination and Kick-Off Meeting GRM monitoring	GDE HSE & Safeguard, GRC	January 2023-onward
	Livelihood Restoration Program	<ul style="list-style-type: none"> <li>Implementation of training program as set forth in the RP</li> <li>Hired NGO to develop SSID</li> </ul>	Formulate new Livelihood Restoration Program (LRP) for AHs not yet receive the LRP	GDE HSE & Safeguard	Q1 2023 onward



SUB PROJECT	OUTSTANDING ISSUES AND CONCERNS		FOLLOW ACTION/S		
	New/ Current	Pending From Previous Monitoring Reports	Action	Responsible Institution	Deadline
	List name of eligible AHs	Provide the list name of eligible AHs to Committee of Recruitment	Send the list name of eligible AHs to the Committee of Recruitment before local hire Batch 2	GDE HSE & Safeguard	Q1 2023 onward (before local hire Batch 2)
	LARP for Power Plant Pad 12	Prepare the document	<ul style="list-style-type: none"> <li>• Approval from GDE HO</li> <li>• Prepare the field assessment (SES and IOL)</li> <li>• Public consultation</li> <li>• Develop LARP doc</li> </ul>	GDE HSE & Safeguard	Q4 2023
Patuha-2	Assessment for the subproject components used for Patuha Unit 2 but not covered in the DDR 2019	-	Last DDR doc was submitted on 21 December 2022. After comment from ADB, the doc is under revision.	GDE HSE & Safeguard	January 2023
	Land acquisition for replacement of forest land	LARP replacement land Patuha 2022 has been revised and submitted to PMU on 28 November 2022. Then the next revision document was submitted officially to PMU on 9 December 2022, 26 December 2022, and 28 December 2022.	Revision the LARP doc	IPPKH team, GDE HSE Safeguard	January 2023







## Appendix A GDE Local Hire Recruitment Committee

### Resume of Appendix A

Appendix A PT. Geo Dipa Energi Workforce Committee describes and informs about:



The decision of the Board of Directors of PT. Geo Dipa Energi (Persero) Regarding the Amendment to the Decision of the Board of Directors regarding the Establishment of the Selection Committee for Local Workers for the Implementation of Work (Contractors) for the PLTP Dieng Unit 2 and PLTP Patuha Unit 2 Projects, dated July 14, 2021, signed by the President Director.

With the following details:

1. The Company and the Regional Government have formed a Joint Selection Committee consisting of elements of the Company and the Regional Government
2. Based on the coordination meeting between the Company and FORKOMPIMCA Dieng and FORKOMPIMCA Patuha, it is deemed necessary to add elements of the TNI/Polri in the composition of the Local Manpower Selection Committee for Contractors for the PLTP Dieng 2 and PLTP Patuha 2 projects, hereinafter referred to as the "Selection Committee"
3. Determine the scope of elements of the TNI/Polri in the Selection Committee
  - Ensure that security and safety during the local workforce selection process can run smoothly
  - Implement and coordinate with various elements so that during the selection of local workers and always help carry out security monitoring related to the development and mobilization process
4. Describe the Duties of TNI/Polri elements in the Selection Committee
  - Provide security guarantees to the entire Selection Committee so that during the implementation of local manpower recruitment the entire process can run smoothly
  - Coordinate and provide field information and protection to all related elements during the local workforce selection process
  - Monitoring, assisting the implementation and providing escort for the mobilization of the Geothermal development project to be implemented by PT. Geo Dipa Energi and contractors implementing D2P2 project work so that the placement of local workers can be carried out immediately
5. Change the job description of the Village Head as an element of the Regional Government in the Selection Committee
  - Ensure that the data on job applicants who will be selected are following the domicile of the applicant's area of residence
  - Checking the administrative data of the applicant is following the specified requirements
  - Invite the participation of women from the PKK organization in the absorption of local workers
  - Coordinate and be directly involved and ensure there is information disclosure and transparency in the selection process for local workers
6. The Selection Committee's term of office is from the date this Decision of the Board of Directors is stipulated until operations start running in 2024.

## Appendix B Information Disclosure and Grievance Redress Mechanism Socialization in Dieng 2

### 1. Record of Grievance and Complaint Handling for Suryono – Karangtengah

Nomor Keluhan/Saran	:	010
Tanggal dan Waktu	:	10.00 WIB, 12 Juli 2022
Media	:	Datang Langsung
<b>Data Pelapor</b>		
Nama	:	Suryono – Poniki
Jenis Kelamin	:	Laki – Laki
Nomor Identitas	:	
Alamat	:	Dusun Krajan RT 01/01
Telepon/FAX/Email	:	0822-2770-9142
Afiliasi	:	<input type="checkbox"/> Masyarakat <input type="checkbox"/> LSM <input type="checkbox"/> Institusi <input type="checkbox"/> Pekerja Proyek (termasuk pekerja paruh waktu dan pihak ketiga) <input type="checkbox"/> Perantara/Perwakilan atas nama warga/komunitas (Surat kuasa harus dilampirkan)
Nama yang diwakili	:	Warga Desa Karangtengah
Nomor Identitas	:	
Alamat	:	
Telepon/FAX/Email	:	
Tipe Keluhan / Saran	:	<input type="checkbox"/> Polusi Udara <input type="checkbox"/> Getaran <input type="checkbox"/> Polusi Air <input type="checkbox"/> Kebisingan <input type="checkbox"/> Kompensasi Aset <input type="checkbox"/> Gangguan Lalu Lintas <input type="checkbox"/> Hubungan Kerja <input type="checkbox"/> Standar Kerja (misal: diskriminasi) <input type="checkbox"/> Kesehatan dan Keselamatan (K3) <input type="checkbox"/> Lainnya (sebutkan) Pipa Pertanian tertutup galian pond
Lokasi Dampak	:	RT/RW/Kampung/Dusun/Desa/Lokasi Konstruksi Desa Karangtengah Kec. Batur Kab. Banjarnegara (Wellpad 09)
Deskripsi Keluhan/Saran: Mendatangi langsung dilokasi (wellpad 09) atas nama suryono warga Dusun Krajan RT 01/01 mengeluhkan pipa paralon tertutup galian pond.		
Nama dan Tanda Tangan Pelapor	:	 Suryono
Nama dan Tanda Tangan Focal Person (yang menerima pengaduan)	:	 Himawan Kusuma P.

**BERITA ACARA**  
**TINDAK LANJUT KELUHAN WARGA DESA KARANGTENGAH TERKAIT PIPA PERTANIAN**  
**TERTIMBUN GALIAN POND.**

Nomor: .BA/PRO.01-GDE/X/2021

**Tanggal** : Kamis, 4 Agustus 2022

**Tempat** : Wellpad 09, Desa Karangtengah Kec. Batur Kab. Banjarnegara

**Kronologi Kejadian** :

1. Pada hari Selasa tanggal dua belas juli dua ribu dua puluh dua (12/07/2022) pada pukul 10.00 WIB mendetangi langsung atas nama Suryono beserta warga lain atas nama Alam & Hadli warga Desa Karangtengah, mengeluhkan pipa paralon yang tertimbun galian pond di wellpad 09.
2. Pada Pukul 10.41 WIB dilakukan survei lokasi pipa pertanian yang tertimbun galian pond. Dan disepakati PT. Geo Dipa Energi (Persero) bersedia mengganti pipa pertanian yang hilang akibat tertimbun galian pond.
3. Pada hari Senin tanggal empat Agustus Dua Ribu Dua Puluh Dua (04/08/2022) pada pukul 10.43 WIB telah dilakukan penyerahan pipa paralon untuk warga yang pipa pertaniannya tertimbun galian pond dengan rincian :
  - Suryono Sebanyak 20 batang pipa paralon 1,5 inch
  - Alam Sebanyak 50 batang pipa paralon 2 inch
  - Hadli sebanyak 20 batang pipa paralon 2 inch
4. Optimalisasi mekanisme penanganan dan keluhan yang berkaitan dengan Proyek Geo Dipa Dieng 2 dapat disampaikan melalui saluran Halo Dieng 2 di nomor 0812-10000-630.

Demikian Berita Acara ini kami buat dengan sebenar-benarnya dan digunakan dengan sebagaimana mestinya serta untuk bahan pembuktian selanjutnya.

Pihak-pihak yang menyetujui

Pihak Pelapor	PT. Geo Dipa Energi (Persero)
 Suryono	 Himawan Kusuma P.

## 2. Record of Grievance and Complaint Handling for Saiful Ma'ruf – Karangtengah

Nomor Keluhan/Saran	:	011
Tanggal dan Waktu	:	31 Juli 2022, 10.00 WIB
Media	:	Telepon
<b>Data Pelapor</b>		
Nama	:	Saiful Ma'ruf
Jenis Kelamin	:	Laki – Laki
Nomor identitas	:	
Alamat	:	Karangtengah RT 02/ RW 03 Dusun Simpangan
Telepon/FAX/Email	:	0819-0166-5028
Afiliasi	:	<input checked="" type="checkbox"/> Masyarakat <input type="checkbox"/> LSM <input type="checkbox"/> Institusi <input type="checkbox"/> Pekerja Proyek (termasuk pekerja paruh waktu dan pihak ketiga) <input type="checkbox"/> Perantara/Perwakilan atas nama warga/komunitas (Surat kuasa harus dilampirkan)
Nama yang diwakili	:	Warga Dusun Simpangan
Nomor identitas	:	
Alamat	:	
Telepon/FAX/Email	:	
Tipe Keluhan / Saran	:	<input type="checkbox"/> Polusi Udara <input type="checkbox"/> Getaran <input type="checkbox"/> Polusi Air <input type="checkbox"/> Kebisingan <input type="checkbox"/> Kompensasi Asat <input type="checkbox"/> Gangguan Lalu Lintas <input type="checkbox"/> Hubungan Kerja <input type="checkbox"/> Standar Kerja (misal: diskriminasi) <input type="checkbox"/> Kesehatan dan Keselamatan (K3) <input checked="" type="checkbox"/> Lainnya (sebutkan) : Kabel Internet Terputus
Lokasi Dampak	:	RT/RW/Kampung/Dusun/Desa/Lokasi Konstruksi Desa Karangtengah RT 02/03 Dusun Simpangan Kec. Batur Kab. Banjarnegara
Deskripsi Keluhan/Saran: Telah Melaporkan melalui Halo Dieng 2, atas nama Saiful Ma'ruf yang mengeluhkan kabel internet yang ada dirumahnya terputus akibat tersangkut salah satu armada milik PT. PRA (Plumpang Raya Anugerah) yang sedang melakukan kegiatan mobilisasi dari wellpad 09 menuju wellpad 31.		
Nama dan Tanda Tangan Pelapor	:	 Saiful Ma'ruf
Nama dan Tanda Tangan Focal Person (yang menerima pengaduan)	:	 Himawan Kusuma Putra



**BERITA ACARA**  
**TINDAK LANJUT KELUHAN WARGA DESA KARANGTENGAH TERKAIT KABEL INTERNET**  
**TERPUTUS TERSANGKUT KEGIATAN MOBILISASI.**  
Nomor: .BA/PRO.01-GDE/X/2021

Tanggal : Senin, 1 Agustus 2022


Tempat : Dusun Simpangan, Desa Karangtengah Kec. Batur Kab. Banjarnegara

Kronologi Kejadian :

1. Pada hari Minggu tanggal Tiga Puluh Satu Juli dua ribu dua puluh dua (31/07/2022) dilakukan kegiatan Mobilisasi oleh PT. Plumpang Raya Anugerah (PRA). Kegiatan tersebut dilakukan di PAD 09 menuju PAD 31 yang terletak di Desa Karangtengah.
2. Telah melaporkan Pukul 10.00 WIB Warga Dusun Simpangan atas nama Saiful Ma'rif menyampaikan keluhan terkait kabel internet yang terputus akibat kegiatan mobilisasi.
3. Pada hari Senin tanggal satu Agustus Dua Ribu Dua Puluh Dua (01/08/2022) pada pukul 09.00 WIB telah dilakukan penanganan dengan memanggil petugas dari indihome untuk menyambung ulang Kabel yang terputus. Pada pukul 12.00 WIB kabel sudah terpasang kembali dengan instalasi pemasangan ditinggikan agar tidak terkena armada pada saat mobilisasi kembali.
4. Optimalisasi mekanisme penanganan dan keluhan yang berkaitan dengan Proyek Geo Dipa Dieng 2 dapat disampaikan melalui saluran Halo Dieng 2 di nomor 0812-10000-830.

Demikian Berita Acara ini kami buat dengan sebenar-benarnya dan digunakan dengan sebagaimana mestinya serta untuk bahan pembuktian selanjutnya.

Pihak-pihak yang menyetujui

Pihak Pelapor	PT. Geo Dipa Energi (Persero)	PT. PRA (Plumpang Raya Anugerah)
 Saiful Ma'rif	 Himawan Kusuma P.	 Mham Septian N.

### 3. Record of Grievance and Complaint Handling for Susanto – Karangtengah

#### BERITA ACARA

#### PENYELESAIAN KELUHAN RUMAH RETAK AKIBAT AKTIVITAS MOBILISASI DARI WELLPAD 09 MENUJU WELLPAD 31 DESA KARANGTENGGAH.

Nomor: .BA/PRO.01-GDE/X/2021

**Tanggal** : Senin, 19 September 2022

**Tempat** : Desa Karangtengah Kec. Batur Kab. Banjarnegara

**Kronologi Kejadian** :

1. Pada hari Senin tanggal dua puluh sembilan agustus sembilan dua ribu dua puluh dua (29/08/2022) dilakukan kegiatan mobilisasi *rig well to well* dari *wellpad 09* menuju *wellpad 31* oleh PT Plumpang Raya Anugerah (PRA). Telah melaporkan atas nama Susanto warga Desa Karangtengah, mengeluhkan rumah retak akibat aktivitas mobilisasi.
2. PT Geodipa Energi (Persero) bersama PT PRA (Plumpang Raya Anugerah) melakukan survei ke rumah Susanto untuk melakukan *assesment* terkait keluhan yang disampaikan dengan hasil sebagai berikut :
  - Adanya perbedaan ketinggian antara akses jalan *wellpad 09* menuju jalan utama sehingga menimbulkan hentakan pada saat proses mobilisasi
  - Bangunan rumah berada dekat dengan jalan utama
  - Bangunan sudah berusia 19 tahun dan memiliki beberapa titik lemah
3. Pihak pemilik rumah menyadari dari hasil survei/*assesment* yang sudah dilakukan dan memohon untuk kebijaksanaan sesuai dengan prosedur yang berlaku di perusahaan.
4. Pada hari senin sembilan belas september dua ribu dua puluh dua (19/09/2022) dilakukan pertemuan tindak lanjut atas keluhan pada poin diatas. Dicapai kesepakatan PT PRA (Plumpang Raya Anugerah) bertanggung jawab dan akan memberikan kompensasi berupa material bangunan :
  - Batako
  - Semen
5. Pihak pemilik rumah menyepakati atas kompensasi yang akan diberikan. Dan memohon segera direalisasikan mengingat ada potensi rumah roboh apabila ada kegiatan mobilisasi lagi.
6. Optimalisasi mekanisme penanganan dan keluhan yang berkaitan dengan Proyek Geo Dipa Dieng 2 dapat disampaikan melalui saluran Halo Dieng 2 di nomor 0812-10000-630.

Demikian Berita Acara ini kami buat dengan sebenar-benarnya dan digunakan dengan sebagaimana mestinya serta untuk bahan pembuktian selanjutnya.

Pihak-pihak yang menyetujui

<b>Pihak Pelapor</b>	<b>PT. Geo Dipa Energi (Persero)</b>	<b>PT. PRA (Plumpang Raya Anugerah)</b>



## DOKUMENTASI





#### 4. Record of Grievance and Complaint Handling for Lutfian Ismail – Bitingan, Kepakisan



#### BERITA ACARA KELUHAN CUTTING DRILLING di WELLPAD 33 YANG MASUK KE ALIRAN SUNGAI BITINGAN.

**Nomor:**

**Tanggal** : 7 November 2022  
**Tempat** : Rumah Bapak Watno  
**Peserta** : - Bapak Tohir  
- Bapak H. Watno  
- Bapak Tangin  
- Bapak Lutfan Ismail  
- Bapak Erwin  
- Bapak Novan  
- Bapak Himawan

**Kronologi Kejadian** :

1. Pada tanggal 7 November 2022 dilakukan pertemuan atau audiensi dengan warga bitingan terkait keluhan limbah Cutting yang masuk ke aliran sungai bitingan.
2. PT. Geo Dipa Energi (Persero) bersama PPLI selaku vendor pengelola limbah cutting sudah melakukan tindakan dengan pembuatan tanggul untuk menanggulangi cutting yang keluar dan menutup drainase agar limbah cutting tidak masuk ke aliran sungai warga. Disampaikan juga untuk pemindahan cutting akan dipindahkan ke TPS Sileri dan dalam tahap persiapan lokasi.
3. PT. Geo Dipa Energi (Persero) meminta warga untuk diberikan waktu terkait persiapan lokasi pemindahan cutting mengingat lokasi yang akan digunakan terkendala akses masuk yang belum bisa dilewati.
4. Pihak warga Desa Bitingan mempersilahkan untuk PT. Geo Dipa Energi (Persero) melakukan persiapan di lokasi baru pemindahan cutting dan memohon untuk cutting tidak diletakan di wellpad 33 karena ada indikasi rembes dan mencemari mata air yang ada dibawahnya.
5. Pihak warga Desa Bitingan juga memberikan masukan bersedia untuk mengelola limbah cutting tersebut yang nantinya akan dimanfaatkan sebagai material bangunan untuk dialokasikan ke Pembangunan Desa.
6. PT. Geo Dipa Energi (Persero) menerima masukan tersebut dan akan didiskusikan kembali mengingat untuk limbah cutting sudah ada kontrak kerja dengan pihak PPLI.

Demikian Berita Acara ini kami buat dengan sebenar-benarnya dan digunakan dengan sebagaimana mestinya serta untuk bahan pembukuan selanjutnya.

<b>Kolom Tanda Tangan</b>			
PT. Geo Dipa Energi (Persero)	PT. PRA (Plumpang Raya Anugerah)	Kepala Dusun Bitingan	Koordinator Warga

DOKUMENTASI




### 5. Record of Grievance and Complaint Handling for Elin Sabar – Karangtengah

Nomor Keluhan/Saran	:	
Tanggal dan Waktu	:	26 Desember 2022
Media	:	SMS/Telepon/Email/Surat/Datang Langsung/lainnya
Data Pelapor		
Nama	:	Elin - sabar
Jenis Kelamin	:	Laki - laki
Nomor Identitas	:	
Alamat	:	Karang tengah 08101
Telepon/FAX/Email	:	
Afiliasi	:	<input checked="" type="checkbox"/> Masyarakat <input type="checkbox"/> LSM <input type="checkbox"/> Institusi <input type="checkbox"/> Pekerja Proyek (termasuk pekerja paruh waktu dan pihak ketiga) <input type="checkbox"/> Perantara/Perwakilan atas nama warga/komunitas (Surat kuasa harus dilampirkan)
Nama yang diwakili	:	
Nomor Identitas	:	
Alamat	:	
Telepon/FAX/Email	:	
Tipe Keluhan / Saran	:	<input checked="" type="checkbox"/> Polusi Udara <input type="checkbox"/> Getaran <input type="checkbox"/> Polusi Air <input type="checkbox"/> Kebisingan (..... dB) <input type="checkbox"/> Kompensasi Aset <input type="checkbox"/> Gangguan Lalu Lintas <input type="checkbox"/> Hubungan Kerja <input type="checkbox"/> Standar Kerja (misal: diskriminasi) <input type="checkbox"/> Kesehatan dan Keselamatan (K3) <input type="checkbox"/> Lainnya (sebutkan)... <u>Tanaman kentang terkena asap Pipa</u>
Lokasi Dampak	:	RT/RW/Kampung/Dusun/Desa/Lokasi Konstruksi <u>Atas Pod 9</u>
Deskripsi Keluhan/Saran: Uraian tersebut harus sespesifik mungkin dan difokuskan pada fakta-fakta seputar pengaduan. <u>Tanaman kentang terkena asap Pipa</u>  <u>umur kentang ± 70 hari</u>		
Nama dan Tanda Tangan Pelapor	:	
Nama dan Tanda Tangan Focal Point (yang menerima pengaduan)	:	




## 6. Record of Grievance and Complaint Handling for Sarman – Karangtengah

Nomor Keluhan/Saran	:	
Tanggal dan Waktu	:	26 Desember 2022. <del>13.45</del> 13.45
Media	:	SMS/Telepon/Email/Surat/Datang Langsung/lainnya
<b>Data Pelapor</b>		
Nama	:	Sarman
Jenis Kelamin	:	Laki - laki
Nomor Identitas	:	
Alamat	:	Karang tengah 06101
Telepon/FAX/Email	:	
Afiliasi	:	<input checked="" type="checkbox"/> Masyarakat <input type="checkbox"/> LSM <input type="checkbox"/> Institusi <input type="checkbox"/> Pekerja Proyek (termasuk pekerja paruh waktu dan pihak ketiga) <input type="checkbox"/> Perantara/Perwakilan atas nama warga/komunitas (Surat kuasa harus dilampirkan)
Nama yang diwakili	:	
Nomor Identitas	:	
Alamat	:	
Telepon/FAX/Email	:	
Tipe Keluhan / Saran	:	<input checked="" type="checkbox"/> Polusi Udara <input type="checkbox"/> Getaran <input type="checkbox"/> Polusi Air <input type="checkbox"/> Kebisingan (..... dB) <input type="checkbox"/> Kompensasi Aset <input type="checkbox"/> Gangguan Lalu Lintas <input type="checkbox"/> Hubungan Kerja <input type="checkbox"/> Standar Kerja (misal: diskriminasi) <input type="checkbox"/> Kesehatan dan Keselamatan (K3) <input type="checkbox"/> Lainnya (sebutkan)... kentang..... tetrena asap pipa
Lokasi Dampak	:	RT/RW/Kampung/Dusun/Desa/Lokasi Konstruksi Atas... Pad. 9.....
Deskripsi Keluhan/Saran: Uraian tersebut harus sespesifik mungkin dan difokuskan pada fakta-fakta seputar pengaduan. Taraman berkenaan asap pipa.  umur kentang ± 65 hari		
Nama dan Tanda Tangan Pelapor	:	
Nama dan Tanda Tangan Focal Point (yang menerima pengaduan)	:	Tia Nur Aisyah 

## 7. Record of Grievance and Complaint Handling for Mukholik – Karangtengah

Nomor Keluhan/Saran	:	
Tanggal dan Waktu	:	Selasa 27-12-2022
Media	:	SMS/Telepon/Email/Surat/Datang Langsung/lainnya
Data Pelapor		
Nama	:	Muholik
Jenis Kelamin	:	Laki-laki
Nomor Identitas	:	3309160107570010
Alamat	:	Karangtengah RT02 / RW01
Telepon/FAX/Email	:	-
Afiliasi	:	<input checked="" type="checkbox"/> Masyarakat <input type="checkbox"/> LSM <input type="checkbox"/> Institusi <input type="checkbox"/> Pekerja Proyek (termasuk pekerja paruh waktu dan pihak ketiga) <input type="checkbox"/> Perantara/Perwakilan atas nama warga/komunitas (Surat kuasa harus dilampirkan)
Nama yang diwakili	:	
Nomor Identitas	:	
Alamat	:	
Telepon/FAX/Email	:	
Tipe Keluhan / Saran	:	<input checked="" type="checkbox"/> Polusi Udara <input type="checkbox"/> Getaran <input type="checkbox"/> Polusi Air <input type="checkbox"/> Kebisingan (..... dB) <input type="checkbox"/> Kompensasi Aset <input type="checkbox"/> Gangguan Lalu Lintas <input type="checkbox"/> Hubungan Kerja <input type="checkbox"/> Standar Kerja (misal: diskriminasi) <input type="checkbox"/> Kesehatan dan Keselamatan (K3) <input type="checkbox"/> Lainnya (sebutkan): Tanaman kentang terkena dampak asap pipa
Lokasi Dampak	:	RT/RW/Kampung/Dusun/Desa/Lokasi Konstruksi Titik 10
Deskripsi Keluhan/Saran: Uraian tersebut harus sespesifik mungkin dan difokuskan pada fakta-fakta seputar pengaduan. Tanaman kentang Bapak Hs muholik terkena dampak asap AFT umur kentang ± 50 hari		
Nama dan Tanda Tangan Pelapor	:	H muholik
Nama dan Tanda Tangan Focal Point (yang menerima pengaduan)	:	fara ramadhani m Umar

## 8. Record of Grievance and Complaint Handling for Tuyono – Karangtengah

Nomor Keluhan/Saran	:	
Tanggal dan Waktu	:	Selasa 27-12-2022
Media	:	SMS/Telepon/Email/Surat/Datang Langsung/lainnya
Data Pelapor		
Nama	:	Tuyono / mugi
Jenis Kelamin	:	laki-laki
Nomor Identitas	:	3309160107570042
Alamat	:	Karang Tengah RT 03 / Rw 01
Telepon/FAX/Email	:	-
Afiliasi	:	<input checked="" type="checkbox"/> Masyarakat <input type="checkbox"/> LSM <input type="checkbox"/> Institusi <input type="checkbox"/> Pekerja Proyek (termasuk pekerja paruh waktu dan pihak ketiga) <input type="checkbox"/> Perantara/Perwakilan atas nama warga/komunitas (Surat kuasa harus dilampirkan)
Nama yang diwakili	:	
Nomor Identitas	:	
Alamat	:	
Telepon/FAX/Email	:	
Tipe Keluhan / Saran	:	<input checked="" type="checkbox"/> Polusi Udara <input type="checkbox"/> Getaran <input type="checkbox"/> Polusi Air <input type="checkbox"/> Kebisingan (..... dB) <input type="checkbox"/> Kompensasi Aset <input type="checkbox"/> Gangguan Lalu Lintas <input type="checkbox"/> Hubungan Kerja <input type="checkbox"/> Standar Kerja (misal: diskriminasi) <input type="checkbox"/> Kesehatan dan Keselamatan (K3) <input type="checkbox"/> Lainnya (sebutkan) <u>Tanaman Kentang berkena asap pipa</u>
Lokasi Dampak	:	RT/RW/Kampung/Dusun/Desa/Lokasi Konstruksi <u>Tikus 10</u>
Deskripsi Keluhan/Saran: Uraian tersebut harus sespesifik mungkin dan difokuskan pada fakta-fakta seputar pengaduan.  <u>Tanaman kentang Barak Tuyono/mugi terkena dampak asap AFT</u> <u>umur kentang ± 40 hari</u>		
Nama dan Tanda Tangan Pelapor	:	Tuyono / mugi
Nama dan Tanda Tangan Focal Point (yang menerima pengaduan)	:	fara ramadani  m umar

**Corrective Action Plan: INO GPGP  
Environmental and Social Safeguards**

**5 April 2022**

1. Since drilling activities commenced in October/November 2021, there have been a series of complaints regarding project activities and impacts on local communities. Issues from Dieng 1 that have not been resolved to the satisfaction of some members of affected communities, have resurfaced and when combined with the impacts of new drilling activities have fueled strong resistance to development of Dieng 2. GDE submitted a *Special Report on Environmental and Social Issues in Dieng 2 Project Site* to ADB on 4 February 2022, the report documents the protests carried out in January, complaints for Dieng 2 and actions taken by GDE to resolve. The report highlights six main issues:
  - (1) Historical relationship between GDE, community leaders and local government was not adequate;
  - (2) Community expectations of GDE that have not/cannot be fulfilled yet, including employment/business opportunities, provision of public facilities (clean water, solid waste disposal sites, sports facilities etc.);
  - (3) Communication, co-ordination and consultation during Dieng 1 on adverse and beneficial impacts was not adequate so community support for geothermal development has not been obtained;
  - (4) Noise from water pump boosters and drilling activities is disturbing local communities;
  - (5) Concerns regarding pollution of Sidendang Spring have not been resolved to satisfaction of all parties; and
  - (6) Expectations for training, mentoring and empowerment of BUMDes (village-owned enterprises) have not been met.
2. ADB fielded a special safeguards mission to Dieng on 7-11 March 2022, to visit the project sites, review status of complaints and grievance resolution process and to consult with local stakeholders and communities, drilling and well-testing contractors regarding the issues raised and to review overall safeguards compliance. A special safeguards mission to Patuha is planned 12-14 April 2022.
3. The mission conducted a series of focus group discussions with (FGD) with community leaders, land and business owners and affected persons. The Minutes of Meeting (MOM) are included in the Appendices of the Aide Memoire from the Loan Review Mission.
4. The Mission acknowledges the proactive approach that GDE has taken to try to resolve issues on the ground, however, a more strategic approach is needed to re-establish trust, gain community support for the beneficial aspects of the project and ensure more systematic management of project impacts. There needs to be recognition that issues can only be considered resolved, if the complainant is satisfied with the actions taken to resolve and where measures implemented to address grievances are not accepted,



there is a need to adopt more participatory approaches and to include independent third parties. ADB, PMU and PMU carried out a joint workshop on 30 March 2022 to develop a corrective action plan for key safeguards issues, providing responsible parties and a timeline for implementation.

**Table Implementation Progress of Corrective Action Plan as per 30 December 2022**

Ref.	Proposed Corrective Action (add more rows for additional actions, as needed)	Projected Initiation Date	Projected Completion Date	Responsible Party	Update based on ADB Mission July	Last Updated – 30 December 2022
<b>1. Ensure Meaningful Consultation and Communication</b>						
1.1	Define roles and responsibilities as well as communications protocol and reporting lines within GDE (between GDE PMU Dieng 2 (D2), Safeguards Team, PMC) and share/communicate the arrangements with ADB Project team	April 2022	TBD	PMU Safeguard	<p>Issue: PMC new structure and lack personnel of PMC Social Safeguard</p> <p>Action: the proposal of new structure and personnel of PMC Safeguard has been submitted to PMU</p>	<p><b>COMPLETED</b></p> <ul style="list-style-type: none"> <li>• A meeting was conducted on 25 May 2022. The scope of work and area related to Dieng 1 and Dieng 2 activity has been defined during the meeting.</li> <li>• It was agreed that coordination meeting between D1 and D2 will be held in monthly basis.</li> <li>• Regarding Safeguards Team, PMU and PMC held a meeting on Thursday, 4 August 2022. Then the agreement on the meeting will be followed-up.</li> <li>• PMC Management submitted a request for PMU approval dated 2 September 2022 re proposal for Safeguard Team new arrangement, particularly for International HSE and Safeguard Specialist, and International Social Safeguard Specialist.</li> <li>• GDE and Management AECOM have discussed on the proposed persons for</li> </ul>

Ref.	Proposed Corrective Action (add more rows for additional actions, as needed)	Projected Initiation Date	Projected Completion Date	Responsible Party	Update based on ADB Mission July	Last Updated – 30 December 2022
						<p>Safeguard Team new arrangement, 12 September 2022.</p> <ul style="list-style-type: none"> <li>• AECOM Management to follow up with the candidates was agreed upon by GDE.</li> <li>• H&amp;S and Safeguard Specialist will be on board on 7 November 2022. Then, Gender Specialist will be on board on 21 November 2022.</li> <li>• H&amp;S and Safeguard Specialist, i.e. Wahyu Minarto, has been on board Soreang office and Dieng Site.</li> <li>• H&amp;S and Safeguard Specialist and Gender Specialist has been on board.</li> </ul>
1.2	Establish a functional coordination team/WG on safeguards issues and resolutions between D1 and D2 safeguards team	May 2022	<b>Continue throughout works &amp; operations</b>	PMU Safeguards and Public Relation Dieng 1 (TBD)	Related to point 1.1	<p><b>ONGOING</b> Updated progress:</p> <ul style="list-style-type: none"> <li>• Working level coordination group (D1 &amp; D2) has been developed to address safeguards/public relation/community development strategy.</li> <li>• GDE Social Performance HO then will facilitate for further coordination.</li> <li>• Regularly doing close coordination between</li> </ul>

Ref.	Proposed Corrective Action (add more rows for additional actions, as needed)	Projected Initiation Date	Projected Completion Date	Responsible Party	Update based on ADB Mission July	Last Updated – 30 December 2022
						Safeguard Dieng 1 and Dieng 2 to handle safeguards issues Plan: <ul style="list-style-type: none"> <li>Meeting coordination Dieng Unit 1 and Unit 2</li> </ul>
1.3	Review the approved Communications Plan, which is included in the PAM, and finalize/update based on the findings of the recent review mission/considering notes above. The updated plan to cover communication with NGOs/CSOs, mass media and community-based forums/committees, production of user- friendly/easy-to-understand leaflets/booklets/banners/IEC materials for consultations with affected persons and communities.	15 April 2022	30 April 2022	PMC Comm and GRM Expert, PMU Safeguards	<ul style="list-style-type: none"> <li>The doc will be submitted in the end August 2022</li> <li>Mid of August: the draft to be sent to PMU</li> </ul>	<b>COMPLETED</b> <ul style="list-style-type: none"> <li>14/6/22: Communication Plan for well- testing has been approved by ADB before well-testing Pad 31A started.</li> <li>PMC has developed and submitted the Communication Plan to PMU officially on 8 September 2022.</li> </ul>
1.4	Ensure media monitoring and summarizing issues/concerned raised; discuss the issues with the D1D2 coordination team, and develop response to NGOs.	15 April 2022	<b>Continue throughout works &amp; operations</b>	PMU Safeguards through recruited media monitoring consultant, PMC Communications and	To update the status of Additional AMDAL (addendum). The issue of having access to the AMDAL doc was raised by WALHI.	<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>The media monitoring has been started on 13 May 2022. PMU is engaging a vendor as a PIC to handle the media monitoring. The report of period May 2019 - August 2022 will be submitted to ADB by end of September 2022.</li> </ul>

Ref.	Proposed Corrective Action (add more rows for additional actions, as needed)	Projected Initiation Date	Projected Completion Date	Responsible Party	Update based on ADB Mission July	Last Updated – 30 December 2022
						<ul style="list-style-type: none"> <li>GDE has sent a letter to WALHI dated 21 May 2022 in order to respond to the issue endorsed by WALHI. GDE conducted meeting with WALHI Jateng on 6 July 2022.</li> <li>PMU has a target to release ±20 news per month related to geothermal, for 3 months ahead.</li> <li>Media monitoring will be submitted to ADB by quarterly report.</li> <li>“The right reply” to the media in October 2022.</li> <li>Media Gathering on well-testing Pad 9C conducted on 10 November 2022.</li> <li>Continue to recap media monitoring</li> <li>Develop news articles to be sent to media</li> </ul> Plan: <ul style="list-style-type: none"> <li>Looking for solution about how to fulfil the target of 20 news every month.</li> </ul>
1.5	Conduct socialization/brief contractors, GDE PMU to familiarize with the updated Project Communications Plan	15 May 2022	31 May 2022 and <b>continuous</b>	PMU Safeguards, PMC Communications	<ul style="list-style-type: none"> <li>Ongoing - 7 July 2022 briefing to contractors on</li> </ul>	<b>ONGOING</b> Updated progress:

Ref.	Proposed Corrective Action (add more rows for additional actions, as needed)	Projected Initiation Date	Projected Completion Date	Responsible Party	Update based on ADB Mission July	Last Updated – 30 December 2022
					<p>communication and GRC members.</p> <ul style="list-style-type: none"> <li>• Discussion will be conducted in week 1-2 July 2022.</li> <li>• Socialization to contractors was conducted on 7 July 2022.</li> </ul>	<ul style="list-style-type: none"> <li>• Brief contractors in every new activity, such as prior to mobilization, well-testing activity, drilling.</li> <li>• PMU, PMC, and Contractor PT Citramas were in close coordination prior conducted a public consultation with the community on 12-14 October 2022.</li> <li>• Related to well-test well SLR-T-9C, Depriwangga Contractor always involved in the public consultation. Last public consultation was meaningful consultation with Krajan Community on the bleeding process completion for Well Testing SLR-T-9C, on 19 December 2022.</li> </ul> <p>Plan:</p> <ul style="list-style-type: none"> <li>• Plan to have a workshop for contractors.</li> </ul>
1.6	Ensure engineering team participate in the public consultations together with social and environmental safeguards team. Share a summary of findings of recent detailed studies carried out to inform FEED design to provide reassurance on key issues of	April 2022	<b>Continue throughout works &amp; operations</b>	PMU Safeguards, PMU Engineering Team, PMC Team and Contractors	Ongoing - Feed in process, next week will be planned to discuss on the specific issue. Engineering team will participate to public consultation	<p><b>ONGOING</b></p> <p>Updated progress:</p> <ul style="list-style-type: none"> <li>• Safeguard Team has engaged Engineering Team to participate in each public consultation.</li> <li>• Safeguard Team and Sub-Surface Team coordinate to</li> </ul>

Ref.	Proposed Corrective Action (add more rows for additional actions, as needed)	Projected Initiation Date	Projected Completion Date	Responsible Party	Update based on ADB Mission July	Last Updated – 30 December 2022
	concern.					<p>held public consultation related to well-testing Pad 9C.</p> <ul style="list-style-type: none"> <li>In the last public consultation on 18 Oct and 2 Nov 2022, the Sub-Surface team and contractor Depriwangga took a part in the activity.</li> <li>Sub Surface Team and Contractor participated in media gathering on 10 November 2022.</li> <li>Engineer team, i.e. Electrical team, engaged Safeguard team in the preparation of Reconductoring Transmission Line Garung-Wonosobo.</li> </ul> <p>Plan:</p> <ul style="list-style-type: none"> <li>To conduct media and social media gathering regularly.</li> </ul>
1.7	Prepare written materials using language that are easy to understand by local communities, including a leaflet on benefits of renewable energy.	April 2022	30 April 2022 and <b>continue throughout works &amp; operations</b>	PMU and PMC Teams		<p><b>ONGOING</b></p> <p>Updated progress:</p> <ul style="list-style-type: none"> <li>The leaflet and video related to well testing has been released and will be distributed to local community in meaningful consultation in every project stage.</li> <li>Prepare leaflet for well-testing Pad 9C.</li> </ul>

Ref.	Proposed Corrective Action (add more rows for additional actions, as needed)	Projected Initiation Date	Projected Completion Date	Responsible Party	Update based on ADB Mission July	Last Updated – 30 December 2022
						<ul style="list-style-type: none"> <li>The leaflet related to well-testing Pad 9C was completed on 4 Nov 2022.</li> <li>Publish some videos related to well-testing well SLR-T-9C.</li> <li>Develop some articles about the participation of community to project, i.e. participation Rojimur team in the well-testing SLR-T-9C.</li> </ul> Plan: <ul style="list-style-type: none"> <li>Continue to develop more publications related to renewable energy.</li> </ul>
1.8	Conduct consultations with residents of affected villages, in addition to Village Heads and Community Leaders in an atmosphere free of intimidation and coercion.	April 2022	<b>Continue throughout works &amp; operations</b>	PMU Safeguards; supported by PMC Safeguards	30-31 May; Public Consultation with Pawuhan community, Forkompinca-Forkompinda, and media gathering.	<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>The meaningful consultation for well-testing with APs was conducted on 30 May 2022 and will be followed up for every project stage.</li> <li>Prepare for the meaningful consultation with APs nearby Pad 9. Identify the APs by social assessment. The report of the social assessment of well-testing Pad 9C has been submitted to PMU.</li> <li>Public consultation on well testing Pad 9C to community,</li> </ul>



Ref.	Proposed Corrective Action (add more rows for additional actions, as needed)	Projected Initiation Date	Projected Completion Date	Responsible Party	Update based on ADB Mission July	Last Updated – 30 December 2022
						<p>was held on 18 Oct and 2 Nov 2022.</p> <ul style="list-style-type: none"> <li>Meaningful consultation with Krajan Community on the bleeding process completion for Well Testing SLR-T-9C, on 19 December 2022.</li> </ul> <p>Plan:</p> <ul style="list-style-type: none"> <li>Conduct a public consultation for community on Day-1 of Well-Testing Pad 9C. This activity status was completed.</li> <li>Continue to conduct public consultation before activity such well-testing, drilling, mobilization.</li> </ul>
1.9	Revisit the allocation of human resources for community liaison, with a focus on villages with ongoing protests/complaints.	15 April 2022	15 May 2022 <b>Continue throughout works &amp; operations</b>	PMU Safeguards, PMC Safeguards, contractors	Having person from villages to be part as a project, one from Karangtengah. For community liaison, one person from Safeguard Team to handle 7 affected villages	<p><b>ONGOING</b></p> <p>Updated progress:</p> <ul style="list-style-type: none"> <li>Recruitment of personnel from Karangtengah Village to be part as a project (PMU). He is also in charge for community liaison, one person from PMU Safeguard Team to handle affected villages.</li> <li>Recruit four Sentra Komunikasi personnel who accept community complaints related to Well Testing SLR-T-9C.</li> </ul>

Ref.	Proposed Corrective Action (add more rows for additional actions, as needed)	Projected Initiation Date	Projected Completion Date	Responsible Party	Update based on ADB Mission July	Last Updated – 30 December 2022
1.10	Establish information center and consistently share updated project information e.g. interactive 3-D models, video, FAQ, IEE/EMP, GRM, positive news/stories,	31 April 2022	<b>Continuous</b>	PMU Dieng Site Unit 2 supported by engineering and safeguards team; PMC Safeguards and Communications team	Communication Center was operating for Well Test Pad 31 and to be applied any future well-test activities.	<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>Attachment: Frequent Asked Questions (FAQ), Video and more documentation.</li> <li>In addition, Communication Centre will be held on next Well-Testing.</li> <li>Prepare Communication Centre in two spots, closed to Pad 9 and Temporary office.</li> <li>Establish a communication centre in Krajan Sub-Village.</li> <li>Develop a video of the Rojimur Team activity.</li> <li>Publish video and articles related to well-testing SLR-T-9C.</li> </ul>
<b>2. Extend and Operationalize Grievance Redress Mechanism</b>						
2.1	Hold Level 1 and Level 2 GRM meetings in accordance with PAM to assess the complaints received. Details of meetings and resolutions reached to be summarized in periodic monitoring reports.	April 2022	<b>Until end of construction period</b>	PMU Social Safeguards and Public Relation Dieng 2/Patuha 2, supported by PMC Safeguards	Plan to conduct GRC meeting regularly	<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>GRC meeting was held when the complaint received. Last meeting on 31 August 2022 was conducted to discuss response to a complaint from Pak Santo from Krajan Sub-Village.</li> <li>Meeting to handle complaint from community about well-</li> </ul>

Ref.	Proposed Corrective Action (add more rows for additional actions, as needed)	Projected Initiation Date	Projected Completion Date	Responsible Party	Update based on ADB Mission July	Last Updated – 30 December 2022
						<p>testing SLR-T-9C, i.e. complaint of corps damage.</p> <p>Plan:</p> <ul style="list-style-type: none"> <li>• Renewal GRM and GRC procedure in accordance with company regulation.</li> </ul>
2.2	Use a tailored approach to consultations and communications in sensitive locations it is recommended to conduct small group meetings as opposed to large consultations, until most of the complaints resolved.	15 May 2022	Dec 2022 <b>Continue throughout works &amp; operations</b>	PMU Safeguards and PMC Safeguards		<p><b>ONGOING</b></p> <p>Updated progress:</p> <ul style="list-style-type: none"> <li>• Referring to IK (<i>instruksi kerja</i> GDE) or Work Instruction dated 21 April 2022, the meaningful consultation conducted through one-on-one meeting, small or large groups depend on the scale of issues that divided to simple, moderate, and complicated issues.</li> <li>• The last public consultation related to well-testing Pad 9C, the community was divided into three groups. It is easier for residents to get an understanding of the contents of the event.</li> <li>• Conduct public consultation by a small group (neighbourhood association/<i>Rukun Tetangga/RT</i> or sub-village) on 19 December 2022 related to bleeding completion of SLR-T-</li> </ul>

Ref.	Proposed Corrective Action (add more rows for additional actions, as needed)	Projected Initiation Date	Projected Completion Date	Responsible Party	Update based on ADB Mission July	Last Updated – 30 December 2022
						9C for Krajan Sub-Village community.
2.3	Providing drop box in each hamlet (put in hamlet office or mosque?), GRM focal persons to check drop box weekly and bring to relevant parties to resolve the complaints, such as PMU Engineering, the Recruitment Local Hire Committee etc or discuss during regular meetings with GRC	20 May 2022	<b>End of construction period</b>	GDE Social Safeguards and Public Relation Staff Dieng 2 – Patuha 2	Four drop boxes have been installed. Until now, no one has complained via drop box.	<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>The drop box has been provided for Karangtengah Village and the Dieng 2 Patuha 2 Project Officer will deliver more boxes in each village office respectively.</li> </ul>
<b>3. Conduct Impact Screening and Prepare Safeguards Planning Documents for changes and additional project components</b>						
3.1	Confirm the design of the new alignment of the pipe between Dieng 2 pad 9 and pad 38 and demarcate corridor of impact on the ground and prepare the LARP.	15 April 2022	31 July 2022	GDE PMU Engineering together with PMU Safeguards and PMC Safeguards	Design from engineer team will be provided by end of July 2022.	<b>COMPLETED</b> <ul style="list-style-type: none"> <li>Coordination with Engineering Team.</li> <li>The issue of moving the location of the power plant will affect the design.</li> <li>Continue to coordinate with Engineering Team on the design.</li> <li>Due to the relocation of the Power Plant to Pad 12, no need for a new LARP of the pipe between Dieng 2 Pad 9 and Pad 38.</li> </ul>
3.2	Conduct social safeguards due diligence/assessment for project components not covered in the LARP 2019 and 2021 and prepare	10 August 2022	31 October 2022	GDE PMU Engineering together with	New LARP will be developed after fix design. Phil: Boosters from Pad 14 and 15 have been used, what	<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>Object: Pad 33, Booster, Pad 15, Pad 14.</li> </ul>

Ref.	Proposed Corrective Action (add more rows for additional actions, as needed)	Projected Initiation Date	Projected Completion Date	Responsible Party	Update based on ADB Mission July	Last Updated – 30 December 2022
	safeguards planning document as relevant.			PMU Safeguards and PMC Safeguards	needs to be confirmed is how much they are used (addition of pad 17 in Aide Memoire).	<ul style="list-style-type: none"> <li>• Coordination with ADB; the assessment will be conducted by PMC.</li> <li>• A field survey on 9-12 August 2022 was conducted to assess the additional components that need DDR.</li> <li>• The DDR proposal has been submitted and approved by PMU. The follow up activities will be prepared.</li> <li>• Assessment for Due Diligence has been finished in both sites, Dieng and Patuha, on 19 – 26 September 2022.</li> <li>• The process is continuing by data input.</li> <li>• Data input was completed.</li> <li>• Development the DDR doc. for Dieng.</li> <li>• DDR for Patuha has been submitted to ADB on 31 October 2022.</li> <li>• DDR Patuha under revision by PMC.</li> <li>• In December 2022, based on input from ADB on DDR Patuha, PMC Social Safeguard revised and submitted the updated document to PMU</li> </ul>

Ref.	Proposed Corrective Action (add more rows for additional actions, as needed)	Projected Initiation Date	Projected Completion Date	Responsible Party	Update based on ADB Mission July	Last Updated – 30 December 2022
						officially on 21 December 2022. <ul style="list-style-type: none"> <li>The draft of DDR Dieng 2022 will be submitted on January 2023 to PMU.</li> </ul>
<b>4. Achieving Noise Standards</b>						
<b>4.1</b>	Develop and implement noise mitigation strategy for booster pumps for dry season and confirm achieve required standards.	3 April 2022	31 April 2022 To be implemented before the dry season	GDE PMU Engineering together with PMU Safeguards and PMC Safeguards	Monitor the noise level regularly.	<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>Strategy is still being developed, the strategic plan is as follow: <ol style="list-style-type: none"> <li>Install noise reduction devices/equipment such as acoustic foam, silencer etc.</li> <li>Measures noise before activity started and monitor in regular basis</li> </ol> </li> <li>Restriction to extract water from Sidolok River in Agustus – September. During drilling in Pad 9, elevation is going down from condensate pond in Pad 14 dan 15. No booster needed.</li> </ul>
<b>4.2</b>	Identify timing of activities for D1 and D2 that will have significant noise impacts and develop communication strategy to ensure affected persons are informed well in advance of works.	March 2022	<b>Continuous</b>	GDE Unit 1/GDE Unit 2	Catherine: How is the mitigation of noise from the booster pump?	<b>COMPLETED</b> <ul style="list-style-type: none"> <li>Workover D1 has finished.</li> <li>Identification has been done, for example spud in activity in Pad 28. D1 project communicated to PMU D2</li> </ul>

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	Information to be provided on the activity, duration and measures being implemented to reduce noise to acceptable levels. D1/D2 teams to coordinate to ensure noisy activities are not carried out at the same time (including the booster pumps of D1)					<p>project, in order to avoid noise cumulative impact generated by well testing and spud-in activities that will be carried out in quite same time.</p> <ul style="list-style-type: none"> <li>Communication Strategy has been developed which is aimed to inform project concerns to affected people.</li> </ul>
4.3	Specifications for equipment (pumps) and contracts to include conditions for noise abatement and noise performance standards. Details to be reflected in the environmental safeguards monitoring reports.	Ongoing	Ongoing	GDE PMU Engineering together with PMU Safeguards and PMC Safeguards	Silencer has been installed in the pump. Conduct measurement of the noise level by; contractor, third party (Sucofindo), and PMU	<p><b>ONGOING</b></p> <p>Updated progress: Specification details and contract regarding noise abatement will be provided in SEMR of S1-2022.</p>
4.4	Establish day-time and night-time ambient noise levels (noise that is present when there are no project activities) at noise-sensitive receptors. Minimum of 24h continuous representative monitoring to be carried out. <sup>1</sup>	Continuous (prior to any works)	<b>Continuous</b> (prior to any works)	GDE Unit 1 (HSE Manager)/GDE Unit 2 (HSE Manager)		<p><b>ONGOING</b></p> <p>Updated progress:</p> <ul style="list-style-type: none"> <li>Noise measurement before activity (baseline conditions) has been completed for well testing in Pad 31, including other parameter such as H2S, vibration, brine water, and plantation condition around pad 31. The monitoring will be conducted during the activity.</li> <li>Same activity is being conducted in Pad 9.</li> </ul>

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4.5	Establish community monitoring representative from affected village prior to starting drilling works and provide opportunities to participate in planning (avoiding periods that are important to local communities e.g. religious holidays, peak tourism periods), noise monitoring, to view noise abatement measures and to meet with project representatives to discuss concerns and to share information with communities.	Continuous	<b>Continuous</b>	HSE Managers of GDE Unit 1 and GDE Unit 2	Rojimur measures the noise level.	<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>• Rojimur team for 31A Test consisted of 16 persons community representative from Pawuhan Sub-Village was formed.</li> <li>• To prepare well test Pad 9C, the Rojimur and Media Center Teams from Krajan Community, where the pad is located, being recruited.</li> <li>• Rojimur Team from Krajan Sub-Village is monitoring the noise level of the well-test Pad SLR-T-9C actively. They measure noise, H2S, LEL, O2, CO2, and corps condition outside Pad 9 until a radius of 300 m.</li> </ul>
4.6	Measure noise levels at noise-sensitive receptors when project activities (eg. well testing etc) are ONGOING. Noise impacts should not exceed 55 dBA during the day-time or 45 dBA during night-time or if those levels are already exceeded by ambient noise, should not result in an increase in ambient levels of 3 DB at the nearest noise-sensitive receptor.		<b>Continuous</b>			<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>• Rojimur Team measures the noise level in day and night shifts.</li> <li>• Note: the result is attached in Enviro Semi-Annual Monitoring Report.</li> </ul>



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4.7	Updated noise modelling to be carried out taking account of cumulative impacts of Unit 1 and Unit 2 to inform FEED and EPC bidding documents, to ensure specified noise abatement measures will achieve standards under all scenarios.		May 2022	The D1 and D2 teams (lead by GM to GM)	AECOM conducted a noise modelling review. The final report will be submitted by end of August. Synchronize to the engineering team, so that they meet the schedule. Next Thursday, 21 July 2022, meeting with project schedule related to noise modelling. Kick off was conducted on 14 May 2022. The modelling will be completed end of June 2022	<b>COMPLETED</b> Noise modelling for engineering design input completed on end of August 2022.
<b>5. Address Complaint on Power Plant at Pad 38</b>						
5.1	Share the final master plan being developed as part of FEED design explaining configuration changes that have been made to increase distance between GDE facilities and residential communities to address community safety, noise, water use/quality and visual impact concerns. Share the master plan with the affected communities.	April 2022	Continue throughout works & operations	PMU Dieng Site Unit 2 supported by engineering and safeguards team; PMC Safeguards and Communications team	In the Master Plan doc Engineer Team has tried to pay attention to the impact on the community. Need help from the technical team to present it to avoid friction Time: to confirm to be adjusted to the project schedule.	<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>• Coordination between Safeguard and Engineering Team on the Master Plan doc.</li> <li>• The Master Plan will be socialized to community subject to the approval of the plan.</li> <li>• Plan to move the Power Plant location to Pad 12.</li> </ul>
<b>6. Revisit and Enhance Livelihood Restoration Programs (entitlement for VAHs and SAHs) and improve local employment opportunities</b>						

Ref.	Proposed Corrective Action (add more rows for additional actions, as needed)	Projected Initiation Date	Projected Completion Date	Responsible Party	Update based on ADB Mission July	Last Updated – 30 December 2022
6.1.	Prioritize recruitment of APs and other community members as local workforce for civil works and other types of works/employment	July 2021	Continuous	PMU Safeguards supported by PMC Social Safeguards	<ul style="list-style-type: none"> <li>The list of eligible AHs to be submitted to ADB (attached in the Internal Monitoring report).</li> <li>Efforts to be made related to increasing local hire awareness.</li> <li>Wait for Internal Monitoring Report in July 2022.</li> <li>The Internal Monitoring Report has been submitted on 6 July 2022.</li> </ul>	<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>Local hire Batch 2 will prioritize the APs.</li> <li>Rojimur and Sentra Komunikasi teams have been recruited from the local community, Krajan Sub-Village, Karangtengah where Pad 9 is located.</li> </ul>
6.2	Provide the list of eligible AHs reflected in the approved LARPs (2019, 2021) to the Local Workforce Recruitment Committee (LWRC)	31 May 2021	Continuous	PMU Safeguards supported by PMC Social Safeguards		<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>The list of eligible AHs has been provided and looking forward to be sent to LWRC before the Local Hire Batch 2 started.</li> </ul>
6.3	Assist eligible AHs to prepare required administration documents in applying for jobs/vacancies and forward these documents to village heads as part of the LWRC and report progress of the recruitment and participation of eligible AHs in the project in the semi-annual report	31 May 2022	31 June 2022	Project Site Office Dieng 2 supported by PMC Social Safeguards	Will be scheduled before Local Hire Batch 2	<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>PMU and PMC Safeguard Teams have made coordination to conduct the session with community in Q1 2023 onward, before Local Hire Batch 2 in 2023.</li> </ul>

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6.4	Recruit External Monitoring Agency (EMA) and submit EMA report	June 2022	31 October 2022	PMU Safeguards supported by PMC Social Safeguards	Regarding EMA, PMU coordinate with Bu Dwi (ADB), confirm in October 2022	<b>COMPLETED</b> <ul style="list-style-type: none"> <li>The TOR has been submitted to PMU in 2021.</li> <li>Recruit an external agency was finished.</li> <li>The implementation of EMA will be held in November 2022.</li> </ul>
6.5	Evaluate ONGOING LRP training program involving APs, to ensure relevance to communities' needs and update LRP following the evaluation results in close consultation with AHs and affected communities	March 2022	31 July 2022	PMU Safeguards supported by PMC Social Safeguards	Regarding APs of land clearing, the report included in Internal Monitoring Report	<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>Internal Monitoring Report has been submitted</li> <li>PMU and PMC Social Safeguard have coordination to conduct further evaluation related to LRP training programs</li> <li>EMA is going to evaluate the LRP training.</li> <li>EMA has conducted a field assessment in Dieng in November 2022. They are in developing the report to be sent by January 2023.</li> </ul>
6.6	Allocate sufficient human resources to manage LRP implementation and report progress in the semi-annual social safeguard reports	July 2022	2024	PMU Safeguards and PMC Social Safeguards	PMU Safeguard supervise the implementation of LRP, there is no dedicated a special person.	<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>Optimizing the human resource in D1 and D2.</li> <li>Social Semi-Annual Monitoring Report of July-December 2022</li> </ul>

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						is being developed by PMC Social Safeguard Team.
<b>7. Complaint on football field at Pad 30</b>						
7.1	Continue consultations with communities to reach agreement on the options on replacement of football field. Record/document consultation process and agreement reached.	15 May 2022	31 July 2022	GDE Project Site Office Dieng 2 supported by PMC Safeguard and Communication Consultant	<ul style="list-style-type: none"> <li>PMU-PMC will discuss on the solution of replacement field soccer Pad 30 in Pawuhan Sub-Village.</li> <li>ADB will discuss this issue with HO, another mission will be held in August 2022 if the problem is unclosed.</li> </ul>	<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>The consultations have been held in July-August 2022.</li> <li>GDE is preparing the replacement of the soccer field located at the Pawuhan Village.</li> </ul>
7.2	Identification of potential areas for football field replacement and agreed selected areas	15 May 2022	31 July 2022	GDE Project site Office Dieng 2, PMC Safeguard		<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>PMU has discussed with HO and Dieng 1 on the location of soccer field replacement.</li> </ul>
7.3	Build football field with required facilities and hand it over to communities before the site of the existing football field is acquired	August 2022	December 2022	GDE Project site Office Dieng 2		<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>The required facilities of football field will be completed after the replacement.</li> </ul>
<b>8. Project Traffic impacts (damage, congestion, noise/vibration, tourism)</b>						
8.1	The CEMP traffic management plans to be informed by consultation with Village Office, communities/villages	16 March 2022	Continuous	GDE Project Site Office D2/P2 in		<b>ONGOING</b> Updated progress:

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	and business owners based along road corridors on transport routes and preferred timing of major movements to minimize disturbance and congestion. Night-time movements of heavy vehicles to be avoided.			consultation with Village Offices		<ul style="list-style-type: none"> <li>Journey Management Plan/JMP (refer to CEMP/EMP) requirement has been implemented including JMP for pad to pad movement (pad 31 to pad 9). Consultation has been completed before activity started.</li> <li>The process will be continued to another mobilization.</li> </ul>
8.2	Consult with the owners of local homestays to agree measures that minimise conflicts between tourism/transportation routes. Provide project information that homestay operators can provide to tourists on temporary impacts of construction and how the area is benefitting from renewable energy. Movements of heavy vehicles to avoid peak traffic periods, weekends, and public holidays, where possible.	April 2022	Mei 2022	GDE Project Site Office D2 and PMC		<b>COMPLETED</b> It was included in Dieng Wetan Village assessment report.
8.3	Heavy vehicles should not be parked in the village, only on GDE premises. Demarcate and provide signage for parking on GDE premises.	April 2022	<b>Continuous</b>	GDE Project Site Office D2	The park area has been identified as part of GDE's premises	<b>ONGOING</b> Updated progress: <ul style="list-style-type: none"> <li>Each mobilization activity will pay attention on the aspect of parking areas specifically for heavy vehicles parking location.</li> </ul>

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8.4	Any damage caused by project vehicles and equipment to public roads and private property to be repaired and/or compensated. Records to be included in periodic safeguards monitoring reports.	January 2022	Continuous	GDE Project Site Office Dieng 2 supported by PMC Environmental Safeguards Consultant and Communication & GRM Expert	Solved/closed the problem from the complainer related to heavy vehicle.	<b>COMPLETED</b> The record will be submitted on Semi -Annual Social Safeguard Monitoring Report
8.5	Contractor to assign staff to install temporary warning signs and manage traffic movement to ensure public safety during major vehicle movements e.g. heavy/irregular loads.	Continue throughout construction works	Continue throughout construction works	GDE Project Site Office Dieng 2 and the contractor, PMC Environmental Safeguards Consultant and Communication & GRM Expert	Completed - For the past mobilization, and the status will be on-going when there is held a mobilization	<b>COMPLETED</b> <ul style="list-style-type: none"> <li>• Temporary warning sign and traffic-management has been conducted during mobilization activity and pad to pad movement.</li> <li>• The process will be continued to another mobilization.</li> </ul>
<b>9. Address Water Pollution Issues</b>						
9.1	For issues regarding Sidendang Spring, involve 'neutral' community representatives in water quality monitoring and request third party laboratory team to explain the result to the complainants	April 2022	30 June 2022	PMC and PMU		<b>COMPLETED</b> Test result of Sidendang River water was already communicated by two experts from Poltekkes Kemenkes Yogyakarta to Simpangan communities on December 14, 2021. To date, GDE never receive any complain regarding to water quality of Sidendang spring. If any grievances appear, GDE will invite

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						representatives from the community to take a sample to be analysed in a good reputation laboratory.
<b>10. Strategy for Water Management</b>						
<b>10.1</b>	Conduct meeting with Dieng Wetan, Bakal (Dusun Buntu), Dusun Ngandan (Desa Sikunang) and Karang Tengah representatives sharing information on the updated water use strategy	April 2022	June 2022	PMU Safeguards and PMC Safeguard	Water management: there is a meeting in July-August 2022 involving the community. Status: to be updated.	<b>COMPLETED</b> <ul style="list-style-type: none"> <li>The meeting was held on 26 October 2022 at Temporary Office Dieng 2.</li> </ul>
<b>10.2</b>	Re-assess clean water program provided for Pawuhan to confirm if sub-village request to extend water supply can be included under the CSR program.	April 2022	30 June 2022	Dieng Unit 2 CSR team, PMU Engineering and HSE/Safeguards teams	Comdev of Clean Water for Pawuhan community (see Social Safeguard Semi Annual Jan-Jun 2022). Another target of the providing Clean Water in Krajan Sub-Village. The status will be updated, completed in Pawuhan Sub-Village, and still ONGOING for 2022 onward. There is still open to Pawuhan to add more Clean Water (12 wells in RP 2019).	<b>COMPLETED</b> <ul style="list-style-type: none"> <li>Clean water has been provided to Pawuhan Sub-Village and still open for the next request.</li> </ul>
<b>10.3</b>	Test dry-season water use strategy to ensure that project water- use needs can be met, without surface water extraction, under any scenario (eg. total loss etc). Drilling a new well	April 2022	Before July 2022	Drilling PMU	<ul style="list-style-type: none"> <li>Already conducted test on drilling in dry season.</li> <li>More discussion with technical team about water management.</li> </ul>	<b>COMPLETED</b> <ul style="list-style-type: none"> <li>The water-use needs assessment has been carried out by Drilling Team with supervision by ADB.</li> </ul>

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	should not commence unless water needs can be met by the project condensate and storage ponds.					
<b>11. LARP 2019 &amp; 2021 implementation compliance</b>						
11.1	Revisit the actual payments made to AHs against the planned entitlements due to them in accordance with the approved LARP 2021	1 April 2022	31 May 2022	PMU and PMC	If the payment has not been completed by August 2022, the ADB Mission will be carried out again to avoid the project being in risk.	<p><b>NOT YET</b></p> <p>Updated progress:</p> <ul style="list-style-type: none"> <li>• A meeting between ADB-PMU-PMC was held on 5 August 2022 to discuss feasibility to revisit the actual payment. The agreement was to revise the KJPP Report in 2021 considering that there was a recent re-measurement of Pad 7, 9 and 30 by the National Land Agency (BPN) of Banjarnegara Regency in January 2022, made differences in the area of Pad 7, 9, and 30 from the one previously stated in the report.</li> <li>• An addendum of the LARP 2021 is proposed to be developed.</li> <li>• The addendum LARP 2021 has been submitted to PMU on 26 September 2022.</li> <li>• Request GDE HO to the Top Up compensation.</li> </ul>



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						<ul style="list-style-type: none"> <li>• Waiting the approval doc of Addendum LARP by ADB.</li> <li>• PMC Social Safeguard has submitted the revision final draft LARP Dieng document to PMU on 21 December 2022.</li> </ul>
11.2	Consult affected persons and clarify calculation of compensation provided to the affected land users who lost income from productive agriculture due to construction of Pad 38	1 April 2022	15 May 2022	GDE PMU Safeguards and PMC Social Safeguard Consultant	<ul style="list-style-type: none"> <li>• The payment of compensation related pad 38 was completed</li> <li>• Internal Monitoring has been held, and the report will be submitted</li> </ul>	<p><b>COMPLETED</b></p> <ul style="list-style-type: none"> <li>• The report of Internal Monitoring will be submitted next week (2<sup>nd</sup> week of June 2022).</li> <li>• The report has been submitted.</li> </ul>
<b>12. Adequacy of H2S prevention and protection measures</b>						
12.1	Review requirement for H2S and emergency response planning corrective actions based on GDE accident report.	March 2022	<b>Continuous evaluation and improvement</b>	PMU and PMC Drilling	<ul style="list-style-type: none"> <li>• Ambulance stand-by</li> <li>• Emergency plan has been developed related well-testing</li> </ul>	<p><b>COMPLETED</b></p> <ul style="list-style-type: none"> <li>• Review has been done, corrective action implemented re: install additional H2S detector in well pad area, develop HAZOP, What If Study and conduct H2S emergency response procedure simulation in collaboration with Regional Disaster Management Agency (<i>Badan Penanggulangan Bencana Daerah/BPBD</i>) and communities.</li> <li>• Community representative has been involved and trained as emergency response team for H2S emergency.</li> </ul>

