

Annex 4 Format of the Geothermal Energy Development Plan

I. Instructions for the Plan Format

1. The plan shall be prepared on A4-sized paper, in portrait orientation, written from left-to-right, printed double-sided, with a cover page, and bound into a booklet. Chapter titles shall use DFKai-SB 16-point font; section titles shall use DFKai-SB 14-point font; body text shall use DFKai-SB 12-point font. However, the font size within tables is not subject to these restrictions. Line spacing shall be a fixed line height of 24 pt.
2. Numbering rules: Sections: Use the format of “Section 1”, “Section 2”, etc. Sub-sections: Use hierarchical numbering, such as I, II...; (I), (II)...; 1., 2...; (1), (2)... ; A, B... Sample format for reference as follows:

Section 1 Background and Objectives of the Plan (16-point font)

I. Background and Objectives of the Plan (14-point font)

II. Work Items and Content

(I) Text Item (14-point font)

1. Text Item 1 (12-point font)

(1) Text Item 2

A. Text Item 3

(A) Text Item 4

a. Text Item 5

(a) Text Item 6

3. Page numbers shall be arranged in sequence for ease of reference.
4. All references and survey data shall specify their sources and dates.
5. All information shall be consistent throughout the plan and shall be filled in or listed based on actual conditions.
6. Please use yellow (Y100, M20) for the cover.
7. All monetary amounts shall be expressed in thousands of New Taiwan Dollars (NTD), rounded to the nearest integer.

II. Cover Page Format

Confide
ntial

Geothermal Energy Development Plan

Applicant:

Year Month

III. Spine (Side Binding) Format

Geothermal Energy Development Plan

Applicant: (Full Name)

IV. List of Plan Sections

(Please do not change the order of sections or remove any content. Additional explanatory content may be added at the end of sections as needed.)

Table of Contents

Section 1 Development Plan Overview

- I. Objectives of the Plan and Work Items (including planned number of wells, well depth, and installed capacity)
- II. Composition of the development team (including relevant experience and past performance)
- III. Overview of the natural and human environment surrounding the Development Site

Section 2 Development Site and Well Locations

- I. Location and scope of the Development Site (Must include a land-registration transcript of the Development Site issued within the past three months, a cadastral map transcript issued within the past three months, and a diagram of the current land-use layout.)
- II. Land-use zoning and explanation of land categories
- III. Current geothermal exploration or development conditions of land directly adjacent to the Development Site

Section 3 Geothermal Geological Conceptual Model Analysis

- I. Literature review or exploration data (including drilling results from previous parties)
- II. Overview of regional geology
- III. Results of geothermal exploration
- IV. Geological conditions of the site and geothermal conceptual model

Section 4 Planning for the Utilization of Geothermal Resources and Impact Assessment

- I. Purpose of geothermal resource utilization and Permitted Maximum Water Extraction Volume
- II. Explanation of impact assessment for geothermal development

Section 5 Drilling Engineering and Related Testing

- I. Overview of drilling engineering and exploration engineering (including planned well locations, well depth, and drilling methods)
- II. Wellsite layout and site preparation operations
- III. Key points of well design
 - (I) Well profile design diagrams for each well (including borehole,

casing, wellhead valves, and blowout preventer specifications)

(II) Expected geological strata and structures encountered by each well

(III) Well cleaning plan

IV. Drilling site operations

(I) Drilling operation descriptions and operation standards

(II) Safety and health operation standards and measures

(III) Emergency response measures and notification arrangements

(IV) Environmental Protection Measures (including noise control, water pollution control, and waste disposal)

V. Downhole geophysical logging items and methods

VI. Production testing (including at minimum: recovery tests, discharge tests, pressure buildup tests, and injection tests)

Section 6 Planning for Installation of Geothermal Power Generation Equipment

I. Overview of geothermal power generation equipment (including planned installed capacity, generator type, production, and reinjection quantities)

II. Planning for the geothermal power generation system (including environmental control, cooling, and reinjection systems)

III. Layout planning for the geothermal power plant

IV. Execution methods and measurement equipment planning for Tailwater Reinjection into the Original Aquifer after power generation (Including related illustrations, specifications, and descriptions. If the Tailwater Reinjection stratum cannot achieve 90% of extraction for any reason, explanations and supporting documents must be provided.)

V. Overview of soil and water conservation plan (may be omitted if soil and water conservation works are not required)

VI. Power plant engineering items and execution procedures

VII. Safety and health operation standards and measures

VIII. Emergency response measures and notification arrangements

IX. Environmental Protection Measures (including noise control, water pollution control, waste disposal, etc.)

Section 7 Scheduled Development Progress

Section 8 Project Budget and Financial Planning

I. Total project budget and detailed budget

II. Construction financial planning

III. Operational financial planning

Section 9 Operation and Maintenance Planning and Environmental Protection Measures (Whether the proposed development plan falls under a category requiring the implementation of an Environmental Impact Assessment pursuant to the Environmental Impact Assessment Act, and the status of related procedures.)

Section 10 Other Supplementary Explanations

List of Figures

List of Tables