添付資料 6データベース概要

The Study Project on Resource Inventory on Hydropower Potential in the Philippines

Introduction of Hydropower Resource Database

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JICA study team

NEWJEC Inc.

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1. Background of developing database

Current Situation of Promoting Hydropower Development

- ◆ Update the Project List is tough work for DOE staff
- Updating Data on the DOE web is not easy
- It is difficult for investors to get updated project information
- ◆ Preparing detail information for the Project site is tough work for DOE staff

←many many project sites

←Preparing maps and data are not easy



Therefore,

It takes long time to prepare enough information for both DOE staff and Investors
It takes long time for promoting project sites

2. Purpose of developing database

- ◆ To help DOE staff for easier promotion and preparing documents for the projects
 - → easy to find and check the project sites (ex. Coordinates, Duplications)
 - → easy to update the project status and information
 - → easy to prepare project information for providing to developers
- ◆ To make it easy for preparing Web contents to be disclosed about the project information
 - → easy to update information on the Web



To make it easy for Investors to access the updated project information

3. Overview of the Database system

3.1 Hydropower Resource Database (HRD)

◆ Access Database of Hydropower Project sites

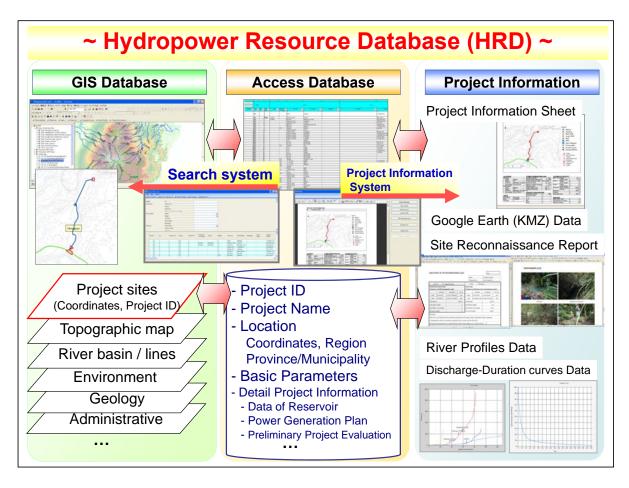
Project ID, Location, Status, Project Parameters

◆ GIS Database

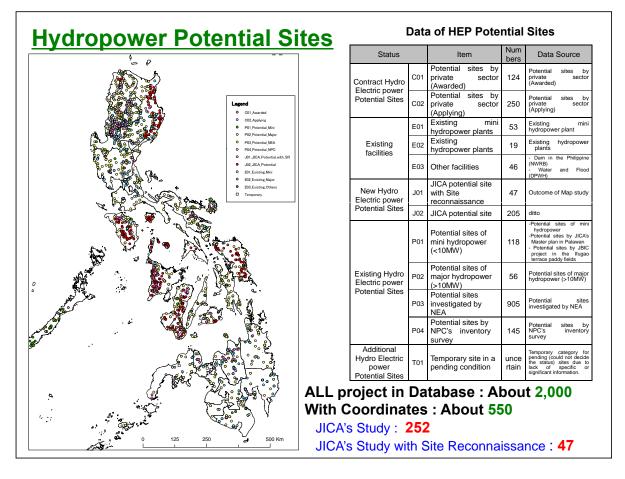
Hydropower Project sites, Other related GIS data (Topography, Administrative, Geology, Hydrology, Environment, ...)

◆Project Information

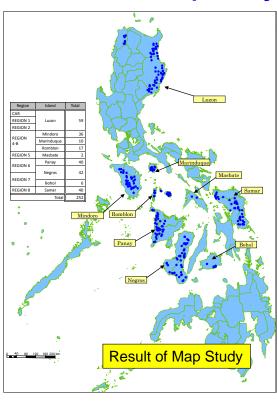
Preliminary Project Layout, Project Information Sheets Site Reconnaissance Reports, 3D Bird's eye view (Google Earth data) River Profiles, Discharge-Duration Curves Preliminary Project Design information, Evaluation



3.2 Introduction of Data Contents Target Area for MAP STUDY Basically, JICA study's Potential Sites **GIS** data covers Site Reconnaissance **Detail River Lines & River System Areas** All over the Philippines Based on 1/50,000 topographic map **Existing Water Facilities** 1. 2. **Hydropower Potential Sites** 3. **Power Facilities** 4. **Topography** 5. Infrastructure 6. Hydrology **Electric Demand Area** 7. Social Environment 8. 9. Geology 10. Administrative Boundary



The Result of Map Study



Regional Distribution and Generation Type of HEP Potential Sites

	Region	Island	Run- of-riv er	Reser voir / Ponda ge	Sub Total
CAR	CORDILLERA ADMINISTRATIVE REGION	Luzon	52	7	59
REGION 1	ILOCOS REGION				
REGION 2	CAGAYAN VALLEY				
REGION 4-B	MIMAROPA	Mindoro	30	6	36
		Marinduque	9	1	10
		Romblon	17	0	17
REGION 5	BICOL REGION	Masbate	2	0	2
REGION 6	WESTERN VISAYAS	Panay	39	1	40
		Negros	35	7	42
REGION 7	CENTRAL VISAYAS				
		Bohol	6	0	6
REGION 8	EASTERN	Samar	32	8	40
Sub Total			22	30	Total 252

JICA study team had identified **252** sites by Map Study.

