

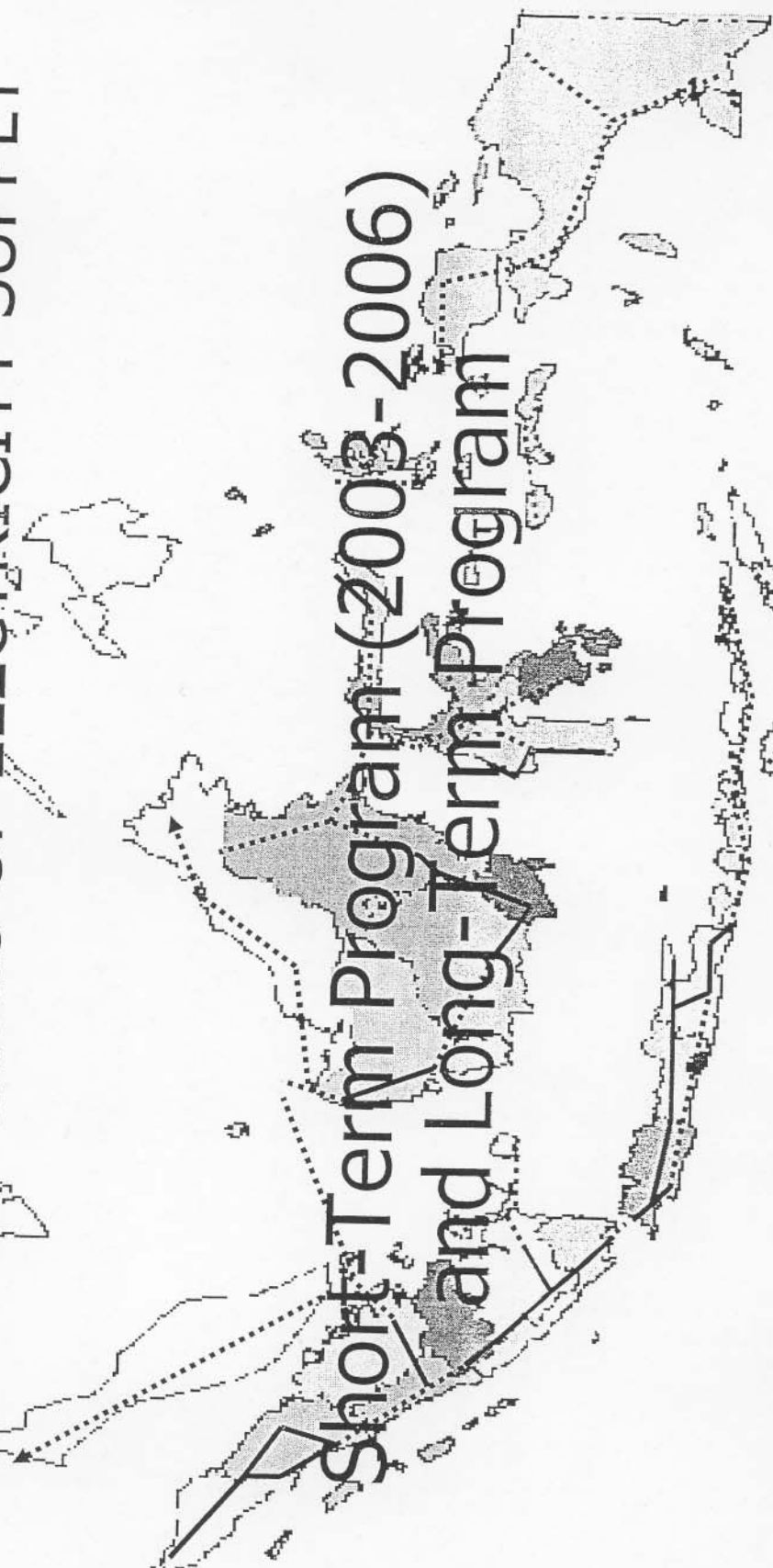
収集資料

・インドネシア電力危機対応説明資料

(Department of Energy and Mineral Resources, Jan. 2003)



MANAGING CRISIS OF ELECTRICITY SUPPLY



Short-Term Program (2003-2006)
and Long-Term Program

Directorate General of Electricity and Energy Utilization
Department of Energy and Mineral Resources

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CONTENT

I. INTRODUCTION	1
II. PROGRAMS FOR MANAGING CRISIS OF ELECTRICITY SUPPLY	4
III. URGENT SHORT-TERM PROGRAMS FOR: A. JAWA MADURA BALI (JAMALI) SYSTEM	6
B. OUTSIDE JAWA MADURA BALI (JAMALI) SYSTEM	16
IV. LONG-TERM PROGRAMS	31

I. INTRODUCTION

A. Background

Capacity of electricity supply from PT. PLN (Persero) currently cannot fulfill demand for electricity of several regions in Indonesia. This shortage of supply is due to electricity sector did not put meaningful new investment since the economic crisis hit Indonesia in the mid of 1997; whilst the growth of electricity demand is still increasing relatively high.

B. Issues

Jawa Bali electricity system, which is the largest electricity system in Indonesia, amount to 80% of total installed capacity in Indonesia, has to fulfill electricity demand that grows approximately 9% annually. To serve this growth, Jawa Madura Bali (JAMALI) system requires additional new generation on average of 1000 MW annually from 2002 to 2005, and average of 1500 MW annually during 2006 to 2010. On the same periods, outside JAMALI system requires on average of 500 MW and 750 MW annually, respectively. In addition, investment on transmission system, main sub-station, and distribution line and relay station are required.

Development in the electricity sector is still rely on foreign financing. However, PT. PLN (Persero) has not capable to attract foreign commercial loan since the company has not recover its financial viability. Currently, foreign commercial loan for Indonesia is quite expensive due to a high country risk in Indonesia.

Financing assistance from international financial organization such as World Bank and ADB on generation development investment in JAMALI largely has been pull out, nevertheless they are still interested to participate in the development of electricity sector in the various regions outside JAMALI and transmission and distribution development in JAMALI system. Financing from World Bank are attached by a set of conditions and directed particularly for sectors that related to environment and restructuring. Other foreign financing assistances that can still be expected are bilateral financing assistance (soft loan) and export credit from neighboring countries.

The policy that is in effect currently allow private participation to cooperate with PT. PLN (Persero) through Power Purchase Agreement (PPA), noted that anticipation for a change toward competitive industry structure is required. Private participants in this industry structure must become a player in the market, in which the region having applied competition, without special treatment in maintaining the PPA.

C. Programs for Managing Crisis of Electricity Supply

To address the crisis of electricity supply, the Government implement two approaches, which are Short-Term Program (Crisis Management) and Long-Term Program (Fundamental).

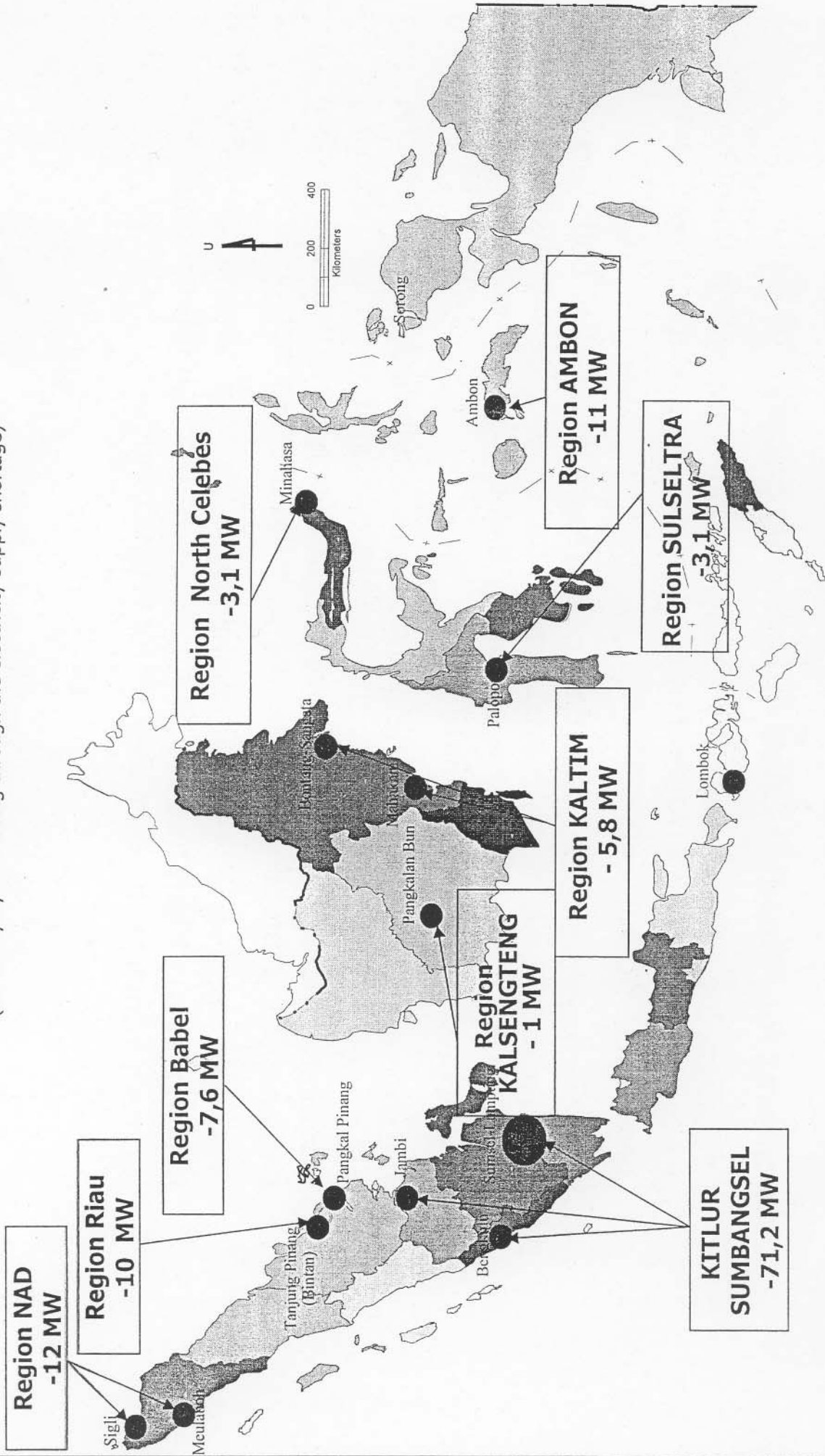
Short-term programs are implemented based on analysis of both supply and demand. The short-term programs on the supply side are intended to add installed capacity through optimizing existing generation capacity as well as building new generation.

The short-term programs on the demand side are intended to control the growth of electricity demand through managing peak load, applying temporary limitation of new connection installation in particular to several crisis regions, promoting efficiency by Demand Side Management.

Long-term programs that is fundamental to the electricity sector development in the future will be implemented through phased long-term program including the electricity sector restructuring.

CRITICAL LOCATIONS

(Electricity System Going through the electricity supply shortage)



Note:

● There are 16 locations or 140 Counties under critical condition