

Details of these five projects are as follows:

PEA's Power Distribution Project

1. Project name : Power Distribution Reinforcement Project, 4th Stage

2. Project description

This project is the continuation of the similar 1st, 2nd and 3rd stages which were implemented during the period of the 3rd, 4th and 5th NESDP. PEA has to implement the construction and reinforcement of distribution systems in stages due to the widespread service area and high investment requirement if the work would be done in one stage. The project is divided into 2 parts. Part A includes the distribution systems construction and reinforcement connected to 60 substations, and Part B includes 26 more substations totalling 86 substations altogether for the whole project.

Part A consists of the construction of 12 substations in the northern provinces, 17 substations in the northeastern provinces, 20 substations in the central region and 11 substations in the southern region. Construction of these substations is ranked at high priority because the problems of excessive voltage drop, losses, rapidly increasing demand and service reliability are severe. The 26 substations planned for construction in Part B will be in the areas where they are likely to become new industrial zones and also in the specific development areas under the government promotion.

The construction work of Part A and Part B consists of

	<u>Part A</u>	<u>Part B</u>	
Transmission lines	29	-	cct-km
Substations	60	26	substation
H.T. distribution line	3,900	1,200	cct-km
L.T. distribution line	1,100	190	cct-km
Distribution transformers	545,000	200,000	kVA

3. Project status

The feasibility study report has been completed and proposed to the cabinet for approval.

4. Project cost (Million Baht)

	<u>Part A</u>	<u>Part B</u>	<u>Total</u>
Foreign currency	2,135	600	2,735
Local currency	1,290	380	1,670
PEA's revenues	___25	___20	___45
Total	<u>3,500</u>	<u>1,000</u>	<u>4,500</u>