

#### 4.2.2 Power Distribution Project

Up to present, there are altogether 101,062 circuit-kilometers of high voltage distribution lines in the PEA's service areas. The figure shows an increase of 11,693 circuit-kilometers or 13.1 % which was in line with the target PEA had projected to serve the public more sufficiently.

Aerial cables are also used in part of the outgoing lines of substations where many feeders are installed side by side. At the moment, there is no use of underground cables in the country. In 1987, Submarine Cable Project is under construction in order to substitute electric supply condition in Ko Samui, an island in the southern part of Thailand where diesel power plants are operated.

Five projects are included in the distribution system expansion. They are listed below:

- a) Power Distribution Reinforcement Project, 4th Stage
- b) Distribution Systems Dispatching Center Project
- c) Village Electrification Project, Phase III
- d) Normal Rural Electrification Project, Phase II
- e) Village Electrification in Tungkularonghai Project