

3. To improve power system reliability and at the same time to utilize the system to its maximum capacity.

4. To cooperate with other public agencies in order that action, investment and manpower planning be coordinately made and systematically related to the national economic and social policies.

5. To rehabilitate the power distribution systems in certain areas that need higher reliability of supply and more aesthetic environment by replacing the overhead lines with underground cables.

6. To extend distribution service to MEA's suburban service area in order to persuade those people to use electricity for their living as well as to boost the production of agricultural sector, aqua-cultural sector and livestock.

7. To utilize planning and management technologies in order that the sixth plan is effectively laid down, economically planned and technically sound. The management technique will monitor the project management to attain the goal.

#### 5.1.3 Scope

The scope of the sixth Power Distribution System Improvement and Expansion Plan is, firstly, to construct and install distribution facilities to improve and expand the power distribution system as required during the fiscal years 1987 - 1991 at every utilization voltage level and, secondly, to study the existing researched and developed technical innovations in order to further employ them in MEA distribution system where applicable.

The scope of the sixth plan can be divided into 5 programmes as follows:

1) Transmission and distribution substation system program which consists of the following works:

- o Construction of new 230-69 kV transmission substation
- o Addition of existing transmission substation
- o Construction of new 115 and 69 kV distribution substations
- o Addition of existing distribution substations
- o Aquisition of lands