

8. LIFELINES

The damages to lifelines are categorized into four groups and described in the following subsections.

8.1 Electricity

There was no damage to main transmission lines and transformers in the region. However some power lines in Misis town were cut-off. The electricity system was shut down to prevent short circuits. After initial check-up of the system, the electricity was first supplied to strategical places such as the airport, hospitals, security department, governor and mayor offices. Except the collapsed building, the electricity was back in Ceyhan and Adana 3 and 24 hours following the earthquake, respectively.



Figure 8.1 Non-damaged Ceyhan sub-station

8.2 Water Supply System

The 15 km long section of 250 km long water supply system was damaged at the joints of pipes. The water supply was cut off due to electricity cut-off. The water pumps were in operation soon after the electricity was back. Nevertheless,

municipalities in the region readied rollies for the urgent need of water for the people. Due to unfounded breaks in the system, the pressure level of the system was said to be 10 % of the required level even after 2 months elapsed over the earthquake.

8.3 Sewage System

The diameters of sewage pipes are 1000 mm and 300 mm beneath boulevards and streets, respectively. The sewage system is checked systematically through water flow states at man-holes in Ceyhan. During the whole check-up process, it was reported that there was no blocking in the system. It was presumed that the sewage system was undamaged during the earthquake.

8.4 Telephone System

The telephone in Turkey is run by TELEKOM. During the earthquake, the main building of PTT (State Post and Telegraph Directorate) and TELEKOM was slightly damaged (Figure 8.2). However, there was no damage to the telephone system. First aid telephone lines were set up by TELEKOM free of charge soon after the earthquake.



Figure 8.1 Damaged Telekom building in Ceyhan