

Chapter 4 Project Evaluation and Recommendation

4-1. Project Effect

The following benefits are expected from the implementation of the project.

- (1) Suspension of water supply or poor water supply condition are solved in the western Ghoutah (Moadamiya, Daraya, Sehnaya and Asrafia) of the rural province of Damascus where there is increasing population and number of houses.
- (2) Inhabitants of about 247,000 people (31,000 of first phase and 216,000 of second phase) in the western Ghoutah are supplied with safe and stable water of 125 liter/capita.
- (3) Water borne diseases can be prevented and sanitary conditions in the western Ghoutah are improved.
- (4) Shortage of water in overpopulation Damascus city will ease by stable water supply in the western Ghoutah.

Thus, the project will be effectively justified by examining the following effects.

(1) Improved water supply quantity

At present, water tenders work hard and spent more time in order to supply water to residents in the western Ghoutah. However, with the necessary equipment and facility, suspension of water supply or poor water supply condition.

(2) Decrease in water borne diseases

It will be clear by water quality at the water meter in the house or data in the health center.

(3) Progress in city development

Development of the western Ghoutah can be achieved through adequate supply of safe water to the population.

the project, not only the number of water pumps, transmission pumping station and booster pumping station and will increase but also the number of pipeline. In order to ensure a reliable and safe water supply to the consumers, reinforcement of operation and maintenance staff is absolutely required. It is necessary that the reinforcement of these personnel will not only be in terms of the number of staff but also in the improvement of their technical and managerial capability through continuing education and training programs.

Important consideration must be given to the recruitment and selection of an adequate number of highly competent staff to manage the project. After implementation of the project, not only the number of water pumps, transmission pumping station and booster pumping station and will increase but also the number of pipeline. In order to ensure a reliable and safe water supply to the consumers, reinforcement of operation and maintenance staff is absolutely required. It is necessary that the reinforcement of these personnel will not only be in terms of the number of staff but also in the improvement of their technical and managerial capability through continuing education and training programs.

(5) Improvement of collecting water charge

It is estimated that increasing cost of the operation and maintenance by the new facility is nearly same as one of collection water charge expanded supply area by the new facility.

Water charge in Syria is the uniform rate and it is very difficult to increase the rate in only rural province of Damascus. Therefore, collecting water charge shall be improved for the stable management of the Establishment.