

## Contribution activities to foreign countries

### Drinking water and sewage water treatment plants construction project in Gizeh city

The metropolitan area in Egypt consists of Cairo, Gizeh city in Gizeh state, and a part of Gharbiya state.

The population of the area of late increased to sixteen million, estimated, by the concentration of countryside people to urban area and its basic infrastructure construction is behind in coping with the increase.

Their drinking water and wastewater completely depend on Nile River in the metro-

politan area.

In this context drinking water and sewage water treatment plants construction project in Gizeh city started in January 1989, and by March,2000 the construction of the drinking water treatment plants, water distributing pump stations, main water pipes, sewage water treatment plants and so on were completed.

The drinking water and sewage water treat-



ment plants construction project in Gizeh city, which took 10 years before completion now, supply drinking water to 982 thousand people with 1064ha in the southern part of Gizeh city.



Water distributing pump station constructed near pyramids (this side)



Water distributing pump

### Floating pump station system for irrigated agriculture

Luxor, famous for its shrines, is located 650km down south from Cairo along with Nile River and Aswan, famous for Aswan High Dam, further 250km south from Luxor.

Twenty-one floating pump stations were installed on the riverside between Luxor

and Aswan.

Annual amount of rainfall in the upper reaches of Nile River is three to five mm. Irrigation water is completely supplied by pumping-up water from Nile River.

Since the water level changes maximum 3.4 meters between rainy and dry sea-

sons at the upper stream of Nile River, floating pump have been adopted so as to pump up the water regardless of water level changes.

The system supplies water to the farmland of 5494 ha, with full operation of twelve hours a day.



Floating pump station



Irrigation waterway