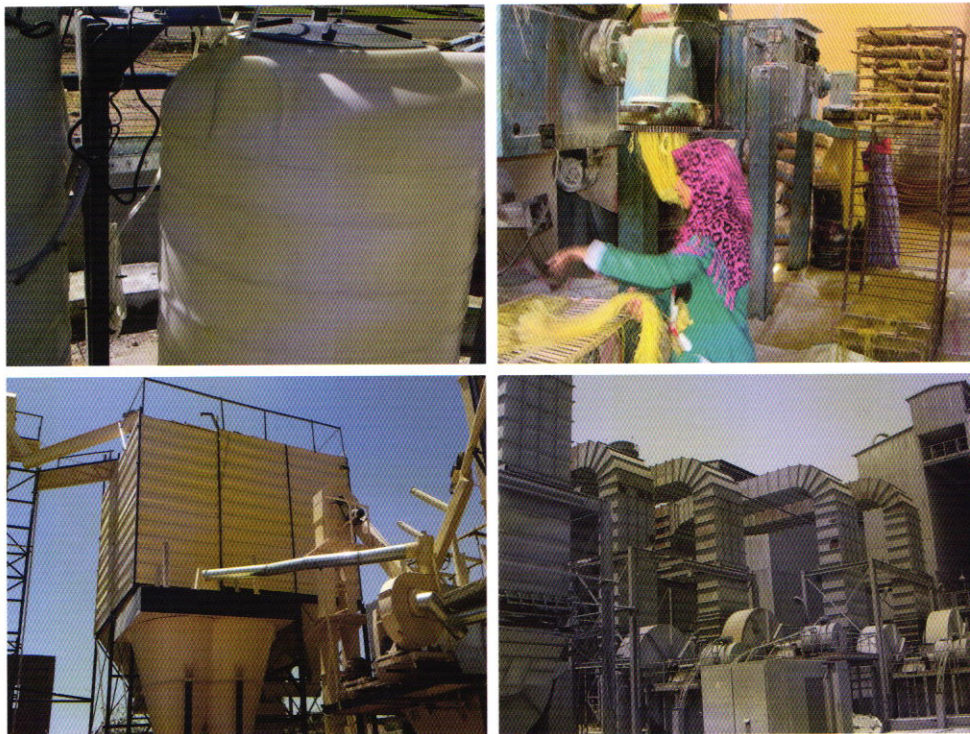




Ministry of Environment
Egyptian Environmental
Affairs Agency

Private Public Sector Industry Project (PPSI)

Success Stories



Project:	Install 500 m³/d Industrial wastewater treatment plant
Company:	Egyptian International Pharmaceutical Industries Company (EIPICO)
Location:	10th of Ramadan City, Sharqia Governorate
Total Cost:	EGP 5 million
PPSI Grant:	EGP 0.936 million

Introduction:

The Egyptian International Pharmaceutical Industries Company (EIPICO) is a private company specialized in pharmaceutical production for the Egyptian and export markets. The company commenced production in 1985.

EIPICO produces over 300 pharmaceutical products.

Environmental Problem:

The main problem was the discharge of industrial wastewater from the different production plants to the public sewer without any treatment. The combined effluent has high levels of BOD, COD, TSS, nitrogen, phosphorus and phenol that didn't comply with Law 62/93 limits amended by decree 44/2000 for discharges to the public sewer.

PPSI Support

The company installed an industrial waste water treatment plant with a capacity 500 m³/day. Scope of supply included pH adjustment, balancing tank, screens, coagulation, flocculation and DAF unit, nutrient addition system, biological treatment (aeration and settling) and sludge treatment.

Total investment cost was EGP 5 million. PPSI provided technical support for the industrial wastewater treatment plant and a grant of EGP 0.936 million towards the investment cost.

Environmental Benefits

- Reach full compliance with law 62/93 limits amended by decree 44/2000 for discharging industrial effluents to public sewer.
- Annual pollution load reduction is 419 tons of BOD (95%), 804 tons of COD (95%), 181 tons of TSS (95%), 4 tons of Phenol (99%) and 3 tons total phosphorus (97%) 7 tons of total nitrogen .