

Projects executed by Jaypee Group in Iraq

M/s. Jaiprakash Associates Limited (formerly M/s. Jaiprakash Associates Pvt. Limited /Jaiprakash Industries Limited), had actively participated in the development of Baghdad City; Basrah city and their infrastructure, from 1979 to 1991. During this period, the following works were executed.

A.: - Amanat Al Asima, Baghdad Projects

1- Trunk Sewer 2 to 2.4 M diameter and 10.5 Km long (Contract 222)

Contract value	US\$ 27 Mn
Year of commencement	July-1979
Scheduled Completion	July-1983
Actual Completion	May-1983 (2 months before scheduled completion)

The works involved execution of **10.5 Km. long, about 2.0 m to 2.4 m dia. Cast in situ Trunk Sewer** in the city of Baghdad. About **400 Engineers / Staff / workers** were engaged during the period of its execution. Besides, a fleet of **equipment, costing around US \$ 3.0 million**, was deployed for executing the Contract

Principal Quantities

Excavation using well point system & sheet piling	4, 00,000 cum
Concrete with slip form shuttering	40,000 cum
Earth Fill	1, 75,000 cum

2- Construction of sewerage network in Baghdad including 26 pump station (Contract 123-124)

Contract value	US\$ 223 Mn
Year of commencement-	April-1980
Scheduled Completion	November-1983
Actual Completion	June-1984/July-1986 (The work of pump station was completed & handed over to client inn June-1984. Additional work added subsequently e.g. construction of 1200 KM of side walks, which were completed in July-1986)

The works, inter alia, involved laying of about **1000 kms of Sewer Lines** with diameters ranging from **110 mm to 1000 mm, construction of 25 Nos. intermediate pumping stations** with capacity ranging from **400 to 1000 Ltrs per second** and **one main pumping station** with a capacity of **10,000 Ltrs per second**. Besides the civil works, pumping stations also involved mechanical and electrical works. The Contracts were executed on EPC/Turnkey basis. The work was to serve the areas east of Army canal in Baghdad City. To execute such mammoth and complex project, about **3,500 engineers/staff/workers** were engaged for round the clock working during the peak time. Besides, a fleet of **equipment, costing around US \$ 60 million**, was deployed

Principal Quantities

Excavation	15, 000, 00 cum
Concrete	2, 40,000 cum
Earth fill	5, 00,000 cum

B.: - Works undertaken under State Organisation for Water & Sewerage (SOWS), Baghdad

1. Basrah Sewerage and Drainage Scheme

Contract value	US \$ 303 Mn
Year of commencement-	January-1986
Scheduled Completion	June-1991
Actual Completion	In January 1991 After completion of works worth US\$ 200 Mn to full satisfaction of client. The work discontinued due to Gulf Crisis and UN Embargo

The works, inter alia, involved laying of Storm Water and Sewerage lines, with diameters ranging from **110 mm to 1800 mm**, in a length of about **560 Kms**. Besides, construction of **7 Nos. intermediate Pumping Stations** and **31 Nos. submersible pumping stations**, expansion of Sewerage Treatment Plant and construction of about 600 Km roads were also undertaken under the same Project. About **3,200 engineers/staff workers were engaged** besides, a fleet of **equipment, costing around US \$ 60 million**.

Principal Quantities

PVC gravity sewers (Dia 100-400 mm)	528 KM
GRP pipes (500-1000 mm)	21 KM
Ductile Iron Pipe (Dia 700-1000 mm)	13.4 KM
Asbestos cement Pipe (Dia800-1800 mm)	5.5 KM
Sub base	5, 15,000 cum
Bitumen stabilized Sub base	2, 06,000 cum
Hot mix asphalt concrete	1, 25,000 cum

2. Technical Training Centre at Baghdad

The work involved setting up of a training institute for the staff & workers of the **State Organisation for Water and Sewerage**, responsible for operation of its facilities located at different cities/towns in Iraq. The works, inter alia, involved construction of a complex consisting of class rooms, laboratories, libraries, hostels and related basic infrastructure.

C Miscellaneous Works

1. In addition to the above works, JAL had also participated in the beautification of Baghdad city by laying kerb stones and paving of the city center area during the preparation for NAM meeting scheduled to be held in **1982**.
2. JAL was also assigned urgent repair works of replacement of main sewer lines, refurbishment of various pumping stations and setting up of Emergency Power Plant at Sewerage Treatment Plant at Rustumia by **Baghdad Sewerage Board**. All these assignments were completed in a time bound schedule to the full satisfaction of the Client.
3. JAL was also a part of the Basrah Beautification Campaign, implemented in **1988**, by refurbishing the roads and other infrastructure of Basrah city.