

PROJECT:-**JOHOR BAHRU WATER SUPPLY PRIVATIZATION PROJECT – STAGE 3****LOCATION :-**

Kota Tinggi, Johor Bahru Takzim

OWNER :-

Badan Kawalselia Air Johor (BAKAJ)

Client:-

Equiventures Sdn Bhd

Project Cost:-

RM160 Million

COMPLETION DATE:-

JUNE 2003

The project comprises the design, tender and construction supervision (erection, testing and commissioning) of a 159 Mld (35Mgd) water treatment plant and associated works. This plant forms the final phase of the privatization concession scheme, for supply of potable water to Johor Bahru District.

The Detail Works include:-**Raw Water Pumping Station/Pipeline**

Design, manufacture, shop test, delivery, erection, test and commission three (3) nos. variable speed driven pumps of 1 cu.m/sec @ 32m.

- New HT switchgears, transformers, surge vessel, flow meter, etc.
- 2.6km of 1400mm FID raw water pumping main

Treated Water Pumping Station/Pipeline

Design, manufacture, shop test, delivery, erection, test and commission three (3) nos. variable speed driven pumps of 0.92 cu.m/sec @ 104m.

- High tension switchgears, transformers, surge vessel, flow meters, etc.
- 22km of 1300mm FID treated water pumping main.

Process/Treatment Work

- Mixing Chamber c/w rotary drum screen
- Two (2) sludge blanket clarifiers
- Six (6) rapid gravity double cell filters
- A 6,840 cu.m RC Contact/Buffer Tank
- Modification to the existing communication system via fibre-optics (FIPWAY) to allow for inter-and intra- plant communication

Chemical Plant

- Equipment for alum, lime, fluoride, polymer, chlorine and powdered activated carbon
- High tension/Low voltage switchboards, crane, etc.
- **27.2MI (6Mg) prestressed concrete reservoir at Bukit Austin**

SERVICES PROVIDED:-

- Detailed Engineering Design
- Tender Documentation
- Construction Supervision
- Testing and Commissioning

**BALANCING RESERVOIRS AT BUKIT AUSTIN****AERIAL VIEW OF SG. JOHOR WATER TREATMENT PLANT****SG. JOHOR WATER TREATMENT PLANT**