

PROJECT:-

SEMENYIH FILTER BACKWASH SYSTEM

LOCATION :-

Putrajaya, Malaysia

OWNER :-

Konsortium ABASS Sdn Bhd

PROJECT COST :-

RM 13 Million

COMPLETION DATE:-

2006

DESCRIPTION :-

The project involves the upgrading and automation of Filter Backwash System for the 545MLD Semenyih Water Treatment Plant. Replacement of existing filters and pumping equipment, incorporation of a fully automated filter backwash and monitoring system for the water treatment plant consisting of 28 numbers of filter tanks, 4 numbers of sedimentation tanks, flocculation's and etc..

DESCRIPTION OF WORK:-

- Evaluation and assessment of the overall filter backwash system
- Preliminary and detailed design of filter automation system
- Hydraulic computation
- Replacement and upgrading of all valves, penstocks, controls and etc.



Control System for Automation Backwash



Filter backwash valves and piping systems

SERVICES PROVIDED :-

Concept, Detailed Design and Supervision of Construction for Filter Backwashing System as follows:-

1. Evaluation and assessment of the existing filter back wash system
2. Analyze and Optimization of the filter back system with the desludging of sedimentation tank operation
3. Selection of equipment and systems for the automation system
4. Hydraulic actuation
5. Filter back wash system design



View of Filter and Sedimentation Tanks



Overall view of Semenyih Water Treatment Plant