

# Design of Firefighting system

## Case Study

### Terragen Ltd

## Engineering and Project Management

### Project Description:

Terragen Ltd. decided to upgrade its firefighting network based on recommendations by the Insurance Company. Consequently, a French Consultant was appointed for a study of the existing firefighting system. Various recommendations for the upgrading of the existing system has been brought forward by the latter after the survey and hydraulic calculations carried out.

Some the major modifications were:

- Replacement of pumps
- Installation of a newly dedicated water tank for the firefighting system
- Installation of sprinkler system on coal conveyors and transformers
- Modification of sprinkler system on bagasse conveyors
- Upgrading of the firefighting system at the newly installed cane trash plant
- Modification of part of the piping network
- Installation of foam system for the protection of electrical cables in the turbine room

### Services provided by ETMS:

- Design and Drafting of the firefighting system
- Tendering and allocation of sub-contractors
- Procurement
- Project Management and Supervision of the whole project consisting of civil, mechanical and electrical works.

