The process control system in the Sewage Treatment Plant (STP) will include Application Processors, Communication modules, foreign-device Gateway and Network modules. The control system will have three Distributed Control Systems (DCS) and a Supervisory Control and Data Acquisition (SCADA) system. Most of the field transmitters / analysers will be equipped with Foundation Field bus or Profibus DP communication that will support FDT/DTM tools for better asset management. Control Processors, Input–output modules, The detail of the System Architecture has been enclosed reference drawing nos. MCT–5–1108–101–A2–A1 Rev.4 and MCT–5–1108–102–A2–A1 Rev.4 – refer to Appendix X. The STP will consist of six unit processes and each will comprise of one or more unit operations. six numbers of the unit processes are: 1. Temporary Sewage Diversion Temporary Sewage Diversion pumping 2. Head works and Preliminary Treatment ● Pre–Aeration ● Screening – Drum Screens Grit and Grease removal ● Screenings Conveyer ● Grit Pumping and Grit Washing Scum Pumping Blowers (Positive Displacement type) Plant recycle and Tank Drain Pumping ● Samplers and Analysers for Raw and Pre–treated Effluent Odour Control System 3. Biological Treatment Overview Anoxic Zone Aeration Zone Effluent Mixed Liquor Re–circulation Membrane Bio Reactors (MBR) Membrane Cleaning