

The following points shall be documented in the acceptance protocol:

- Determination of the completeness of the delivery
- Determination of the provision of inventory documents, operating instructions and maintenance schedules
- Verification of the electrical output of the generators

The FAT shall be carried out as follows:

In accordance with the specified technical requirements the test of functions and output serves to verify the technical data and operational values specified in the description of the system by means of practical operation. To record both typical energetic and regulatory operating conditions, once the system has been initially actuated and adjusted it is subjected to test operation lasting 8 normal working hours in the completed and integrated system. Test operation ends with the official acceptance of the system by the Engineer

Defects detected during the FAT which don't negatively affect the function and service for use of the system shall be documented in a list of remaining points with a deadline for their remedy.

Emergency cooling water radiator system, 100% cooling capacity, which automatically switches on if the heat recovered from the cooling water heat exchanger is not utilised.

7.8.47 Disinfection Equipments - UV System

The scope of works includes the supply and installation of all the equipment required for the operation of the system and the equipment and hand over the system in operation.

The lights shall be low pressure, but high density.

All metal parts in contact with water shall be Type 316 stainless steel. Wet-processed Aluminium materials shall not be used.

All cables under UV light shall be Teflon coated.

All materials under UV light shall be AISI 316L stainless steel, quartz glass, Teflon, Viton or suitable long-life UV-resistant materials.

UV modules

Each UV module shall comprise of double (cornerwise) UV lights, light pairs shall be horizontal or vertical position.

Module frame shall be made of EN 1.4404 stainless steel; stainless steel shall fit the light group in-situ with spring stretcher clips. Top of frame shall work as UV reflector to provide the dislocation of UV light from UV collection place.

UV module shall be connected to IP 65 rated fast modular disconnecter plugs and plugs on connection box with two or three separate serial of multi conductive cables coated with flexible stainless steel circuit for easy separation. Plugs shall be connect the power cables to lights in module and sensing cables, and disinfection system shall be connected to ventilation ducts.