

## 5.7 BILGE SYSTEM

The bilge pumps to be provided in the engine room and to handle bilge water removal as follows.

- No. Two (2) sets
- Type: Vertical, single stage, centrifugal
- Prime mover: Single speed electric motor
- Discharge rate: 150m<sup>3</sup>/hr
- Total head: 25 m at S.G 1.025
- Material: Refer to Section 7

The bilge pumps are to have remote start/stop control, and suction and discharge pressure monitoring in the CCR integrated into the IAS, as well as local control.

The bilge system is to consist of a main bilge line with branches to each bilge well in the engine room, cargo holds, and other designated compartments. All bilge wells to be capable of being emptied by any bilge pump.

Surge protection devices (vibration type level switch) to be fitted at bilge main lines (2 – fore & aft) for interlock of bilge pump start and concerned valve operation when bilge main lines are not suitably flooded.