

Table 14: Standby Pumps Provision

Number of Duty Pumps	Number of Standby Pumps (standard) (33%)	Number of Standby Pumps (Increased) (43%)*
1	1	1
2	1	1
3	1	2
4	1	2
5	2	2
6	2	3
7	3	3
8	3	3

Source : Water Distribution Code

6.32.3 Pump Sizing

All Pumps including fixed speed and variable speed pumps must be capable of supplying output required (pressure and flows) to meet the level of service set by the local supply requirements and also considering the future requirements. The pumps should be able to:

- Deliver the maximum flows with the pressures required
- The duty pump(s) must have adequate capacity to satisfy the flow and pressure requirements of the water distribution system with view to pressure management.
- The standby pump(s) shall have the same capacity of the maximum size duty pump(s) to meet pumping rate, in case any of the duty pump/s is out of service.

Stand-by Generators for Pump Stations

Standby generators (either fixed or mobile) shall be provided at sites where no alternative power supply is available (for example, through dual feeds) and where a risk assessment, as per the risk analysis has shown that service to customers is compromised.