

## **Regulation DD-38.0: Swimming Pool**

### **38.1 General Requirements**

### **38.2 Construction, Maintenance/Operation and Safety of Swimming Pools**

### **38.3 Safety Equipment and Life Guards**

## **38.1 General Requirements**

- 38.1.1 Details for Machine, Equipment, Filtration, Skimmer, Chlorination, Dosing, Backwash System and Safety Equipment with relevant drawings shall be submitted for obtaining approval for Swimming Pools. Details for the same shall be filled and submitted on the prescribed 'Swimming Pool Form'
- 38.1.2 Adequate number of Lifebuoys shall be provided at the swimming pool.
- 38.1.3 A qualified lifeguard shall be available during the swimming pool operation timings.
- 38.1.4 Adequate number of Bathroom, Toilet & Changing Room separate for Male & Females shall be provided.
- 38.1.5 Drainage for the swimming pools and backwash pumps shall be shown on separate drainage layouts plan and the drainage line shall be shown on the relevant drainage plan.
- 38.1.6 For swimming pools on the roof or upper floors provide separate 2" dia. pipe (after providing regulating valve) to the ground floor manhole connection. Connection to basement sump pump shall not be permitted.
- 38.1.7 Protective Fence around swimming pool shall be provided as described below
- A protecting Fence with lockable device/door with a minimum height of 90cm is mandatory around swimming pools.
  - The Protecting Fence should be installed in such a way that climbing & sliding through it becomes impossible for the kids
  - There should not be any bars on this fence for kids to climb on or any gaps wide enough to let them slip through
  - Installation of warning system is also part of the mandatory requirement on the swimming pools Protective fencing. Also installing an alarm "when pool is not attended by the rescue staff" will enhance the safety standards further
- 38.1.8 Swimming Pool shall have ladders if the depth exceeds 0.6 meter. A minimum of one ladder shall be installed within each 30 meter of pool perimeter. There shall be at least one ladder located at the deep end and another at the shallow end
- 38.1.9 Sign board showing water depth shall be fitted on the pool edges about the maximum and minimum depth and at the point of the slope changes

## **38.2 Construction, Maintenance/Operation and Safety of Swimming Pools**

Applications for the construction of a Swimming Pool shall be submitted to the EHS in the prescribed manner together with all relevant information and detailed plans of the Swimming Pool. Then EHS, upon verification that all safety aspects have been incorporated, shall approve the construction/operation of the swimming pool.

The design of the swimming pool shall cover:

38.2 Filtration system and re-circulation of pool water

38.3 Disinfection of pool water

38.4 Other control measures for safety and hygiene to be taken at design stage and operational time

### **38.3 Safety Equipment and Life Guards**

- 38.3.1 Adequate number of safety Equipment/Life buoys for persons using the swimming pool shall be provided.
- 38.3.2 Resuscitation equipment using ordinary air shall be provided at all commercial and public pools. Any person using resuscitation equipment shall be trained and qualified for its use.
- 38.3.3 First aid box with medicines and equipment shall be provided at swimming pool.
- 38.3.4 A qualified lifeguard is necessary at all public swimming pools. Such a person must be on duty when people are swimming.
- 38.3.5 Life guard must be trained in cardio-pulmonary resuscitation and in approved techniques for life saving.
- 38.3.6 Life ring and lift shall be provided.
- 38.3.7 Safety precautions against the potential hazards of chlorine gas leak shall be taken.
- 38.3.8 A gas mask used for the chlorine atmosphere shall be kept in an unlocked cabinet outside the chlorine cylinder room.
- 38.3.9 There should be a responsible person for carrying out regular maintenance of the swimming pool and the filtration & disinfectant system.
- 38.3.10 There should be daily supervision for water quality and taking samples for checking chlorine, pH, and temperature levels. These readings should be registered in a logbook. Samples should be taken once in 15 days for calcium hardness, alkalinity and cyanuric acid and these readings should also be entered in the logbook.