Swimming Pools

Main pool:

1. Minimum internal dimension of 15 m x 6 m. Ideal internal dimension of 25 m x 12 m.
2. If pool is not rectangular in shape, at least one swimmable length (in one direction) should not be less than 15 m.
3. Maximum clear water depth of 1.35 m (preferably not more than 1.2 m).
4. Easy access to the water is provided from at least two locations in the pool.
5. Ensure that appropriate pool furniture is placed on site, prior to FM handover.
6. Shower point / area (may be open / covered) should be located in close proximity with easy access from pool.

Kids pool:

1. Minimum internal area of 20 sq. mtrs.
2. Maximum clear water depth of 0.750 m.
3. Easy access to the water is provided from one location in the pool.

Other common pools may be designed as per requirements of landscape consultant and usage patterns.

Private pools:

1. Minimum clear water depth of 0.9 m (preferably not less than 1.05 m). Maximum clear water depth of 1.2 m.
2. Minimum internal dimensions of 5 m x 1.8 m (if pool is rectangular- ish in shape).
3. If pool is not rectangular in shape, at least one swimmable length (in one direction) should not be less than 5 m.
4. These norms do not cover private Jacuzzi's or private kids pools, which may be smaller / less deep.
5. Consider use of pre-fabricated pools to ensure quality and operational consistency/ease.

For all public pools:

1. Architecture to ensure Sign board containing following content is to be placed, close to entry to the pool area/deck (to be made part of Signage package):

"IMPORTANT – PLEASE READ BEFORE ENTERING POOL:

- Maximum water depth: ___ feet.
- No lifeguard on duty.
- This pool is meant for recreational use only.
- No diving permitted.
- All users agree to use the pool solely at their own risk and liability. The society and/or management shall not be held responsible in any manner whatsoever.
- Children below 12 year of age are allowed to use the pool only if accompanied by an adult.
- All users are requested to have shower before entering the facility.
- Do not use facility in case of rainfall or inclement weather."
- No smoking
- No food and/or drinks allowed.

2. Architecture to ensure Water Depth of pool is marked in material which has day/night visibility (eg. luminescent paint), at 5 mtr intervals, along both sides of the length of the pool and located such that it is visible from the outside the pool.
3. Engineering to ensure that pool can be operated without tanker water. Necessary equipment to be included in design to ensure appropriate comfort levels (eg. pH, Chlorine, hard salts) and to enable the operator to measure the same (Water quality measurement instrumentation in the plant / filtration room).
4. FM to ensure following (once facility is operational) :
    - Blackboard to be placed in close proximity to pool area/deck, at easily visible location, displaying daily readings for:
        i. Temperature
        ii. pH level of water
        iii. Chlorine content of water
    - Pool Towels
    - Used Towel collection basket
    - Pool supervisor / guide during operational hours (not necessarily a trained lifeguard, but should know swimming to deal with emergency situations; preferable if he has some knowledge of CPR / life saving techniques and can also operate the pool's filtration and other systems)
    - Water testing kit
    - First aid kit
    - Limited no. (2-3 nos.) of floating devices (eg. float, buoy) and rescue ropes are available close to the pool. These are to be used for emergency use only, not for recreational use.

For all pools:

1. Engineering to ensure that appropriate arrangements are made for filtration, water overflow / circulation and lighting while finalizing the pool design. It is to be ensured that bottom of pool is visible even during darkness.
2. Engineering to ensure that appropriate sealant is used to seal the joints of the finishes on surfaces in contact with water.
3. Appropriate space and access to be left for serviceability of pool and filtration system.
4. Wherever steps (not ladder) have been provided for ingress/egress from the pool, a SS handrail must be provided for support
5. For Pools with area of 150 sq.m or higher, use of Bigger size Mosaic chips (50mmX50mm, 75mmX75mm) is recommended, though not compulsory. For Pools having area less than 150 sq.m, smaller size Mosaic chips(25mmX25mm) can be used. (Reference image below- figure 1).
6. Indoor pools (common use or private) should have provision for heating (since water can get quite cold inside). Also if pool is located in any place where ambient air temperature falls below 24 C for > 2 months/year, the outdoor pools should also have provision for heating. In case of luxury or hi-end residential developments, the outdoor pools should have provision for heating, irrespective of climatic conditions.
7. To calculate the depth of swimming pool structure, take clear water depth + 30 mm (tiling) + 150 mm fill above slab for pipes etc (50 mm if no pipes are required on pool's horizontal bottom) + slab thickness (generally 200-250 mm).



Figure 1