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मानक

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IS 15492-1 (2004): Code of Recommended Practice for Safety in Water Parks, Part 1: General Information [MED 6: Continuous Bulk Conveying, Elevating, Hoisting Aerial Ropeways and Related Equipment]



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भारतीय मानक

वाटर पार्कों में सुरक्षा की अनुशंसित रीतियों की संहिता

भाग 1 सामान्य सूचना

*Indian Standard*

CODE OF RECOMMENDED PRACTICE FOR SAFETY  
IN WATER PARKS

PART 1 GENERAL INFORMATION

ICS 97.220.40

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**BUREAU OF INDIAN STANDARDS**  
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NEW DELHI 110002

## FOREWORD

This Indian Standard ( Part 1 ) was adopted by the Bureau of Indian Standards, after the draft finalized by the Continuous Bulk Conveying, Elevating, Hoisting, Aerial Ropeways and Related Equipment Sectional Committee had been approved by the Mechanical Engineering Division Council.

Amusement water parks in India are becoming very popular now-a-days and people visit these parks quite often. Younger generation particularly children enjoy while playing in water. In the recent past some incidents have resulted in loss of life as enjoyment in water is risky and requires special attention. Hon'ble Punjab and Haryana High Court desired that Bureau of Indian Standards should prepare recommended Code of practice for safety in water parks and also instructed to finalize the National Code covering necessary guidelines which may ensure safety of persons in water parks. In order to implement the directive of Hon'ble Court an attempt has been made to stipulate safety in the form of a National Code. It is hoped that organizers, manufactures of the equipment and accessories relating to water parks and operators of water parks would make use of this code to ensure overall safety of human beings and equipment at such places.

Although most of the safety parameters relating to safety have been covered in safety Codes relating to amusement rides, this Code covers general information and general requirements in order to guide the manufacturers, operators and users.

The Code of recommended practice for safety in water parks is being brought out in three parts. The other parts in the series are as follows:

- ( Part 2 ) : 2004      Safety requirements
- ( Part 3 ) : 2004      Instructions

*Indian Standard***CODE OF RECOMMENDED PRACTICE FOR SAFETY  
IN WATER PARKS****PART 1 GENERAL INFORMATION****1 SCOPE**

**1.1** This Code ( Part 1 ) covers general information relating to water parks and other attractions provided in water parks.

**1.2** Water park equipments and slides covered in this standard may be temporary or permanent nature.

**1.3** Nothing in this Code is intended to contravene the provision of any of the existing Government regulation(s). It is the responsibility of the user of this code to establish appropriate safety and health practices and comply with regulatory and statutory requirements prior to use the water park, pools.

**2 TERMINOLOGY**

For the purpose of this Code, the following definitions shall apply.

**2.1 Water Park** — Where one or more pools and water based rides/slides are temporarily or permanently installed for the users/riders.

**2.2 Life Guard** — Individual trained and responsible for ensuring the safety of users by preventing violation of instructions applicable and responding to aquatic and other emergencies.

**2.3 Manufacturer** — Entity that produces goods intended for use in water parks either in parts or one who supplies the basic equipment for use as water based amusement ride/device.

**2.4 Owner/Operator** — Company, Organization, Authority or Person with overall control and responsible for the maintenance, upkeep and operation of a water park.

**2.5 Preventive Maintenance** — A planned programme of inspections and maintenance intended to keep equipments functioning properly and to forestall equipments failures.

**2.6 Safety Signs** — Information provided to the rider which identifies restrictions which affect safety of the riders and the equipment and which must be followed by all concerned.

**2.7 Warning Sign** — Information provided to the rider which identifies the features the rider will experience and which have a bearing on his mental and physical condition.

**2.8 Water Slide** — Piece of equipment with an inclined sliding surface, down which the user descends by sliding usually under the influence of gravity, and with water as the friction-reducing and amusement medium, either freely or with the use of ride enhancement devices, if so designed.

**3 GENERAL REQUIREMENTS**

**3.1** It must be the condition of the entry that all children under the age of 12 years shall be accompanied by adults who shall be solely responsible for their conduct and safety.

**3.2** Prominent warnings must be available to alert the visitors regarding wet floors and no running on wet floors, no diving into the pools, depth of pools, shallow water and deep area, etc.

**3.3** No one will be allowed to enter in the water of the pools in any apparel other than either a recognized swimming costume or trunk.

**3.4** The park shall provide and maintain separate changing/dressing rooms for gents/ladies in sufficient numbers according to the size of the park.

**3.5** The park shall provide and maintain showers in the changing rooms and also near the pools.

**3.6** The water used in pools shall be clean and hygienic. The water should be continuously filtered and disinfected with the use of chlorine or any other appropriate chemicals to meet the appropriate standards.

**3.7** Regular tests such as chlorine level, pH level, PPM, TDS and alkalinity, etc, should be conducted at regular intervals in order to maintain the good quality of water as per norms.

**3.8** The park shall keep and maintain on the premises first aid facilities and also employ a trained person who has adequate knowledge of first aid and artificial respiration and shall ensure that such person is present in the park during the period it is kept open to the public.

**3.9** The park shall provide adequate lighting arrangements in the park and on the pool side area particularly.

**3.10** Persons suffering from any skin disease, venereal

disease or any other contagious disease shall not be allowed to use the pools.

**3.11** No pool/attractions shall be opened to the visitors without life guards who must be good swimmers.

**3.12** Area under observation under the life guard should not exceed 50 m.

**3.13** Emergency action plan should be drawn up covering all types of emergencies specifying the role of each member. It should be practiced periodically.

**3.14** Life guards must carry rescue equipments such as rescue tube, etc, while on duty.

**3.15** The person under the influence of alcohol or any other drug shall not be allowed in the park.

### **3.16 Safety Lines**

A Tank 19 mm diameter, polyethylene/nylon or an equivalent rope in contrasting strand colour with a net tied below it be strung tightly enough, separating the deep water 5-6 feet from the shallow water at 4 feet depth.

**3.17** No glass or breakables should be permitted in the pool area.

### **3.18 Chemical Safety**

Employees must ensure that they read and understand the direction before using any pool chemicals.

**3.19** Whenever an unsafe condition or hazard exists in or around your pool/pools, close the pool immediately. When there are storms, high winds, and

lightning, public are facing considerable risks, the user should leave the pool area.

**3.20** Park must provide separate pools of separate depths ranging from shallow water to deep water for the kids, non-swimmers and trained swimmers.

**3.21** Public pools designed primarily for recreational use for the age group of 10 years and above should have the major portion of the pool less than 5 feet deep.

**3.22** Appropriate number of emergency telephones should be available at various important locations in the water park area with all important telephone numbers, for example, hospitals, ambulance, fire brigade, police and concerned officials of the park.

**3.23** Proper records should be maintained of the quality of water and other aspects of water parks as required by applicable specifications/rules/acts, etc.

**3.24** The safety signs shall be displayed at appropriate places for maximum effect. It is recommended that general safety signs be displayed at the entrance to the park and other prominent places like relaxation/eating areas while specific safety signs could be displayed at various slides as required.

**3.25** While using a slide, loose objects/clothes with metal buttons, chains, etc, should not be allowed.

**3.26** Pregnant women, person under influence of alcohol/drugs, overweight, heart patients, should not be allowed on the slides.

**3.27** Guests should follow at the Rules and Regulations displayed on all the slides.

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### Amendments Issued Since Publication

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