



## **Industrial Emergency Showers, Eye and Face Fountains and Combination Units** **(Indian Standard) IS 10592 : 2018**

### **Summary on Industrial Emergency Showers, Eye and Face Fountains and Combination Units:**

Industrial emergency showers, eye, and face fountains are required **to enhance safety in workplaces** where workers may be exposed to hazardous chemicals or materials that pose risks of injury.

Many countries, including India under the Factories Act, require emergency showers and eyewash stations in **hazardous environments** to comply with occupational safety regulations. IS 10592:2018 establishes minimum requirements to ensure these units are reliable and effective.

The *Factories Act*, 1948, and the various Rules framed thereunder require that hazardous chemicals should be **expeditiously removed from direct contact with body** by taking suitable steps. Especially when a corrosive or irritating chemical affects a vital organ like the eyes, the effects may range from mild irritation to severe burn injuries.

The document, IS 10592:2018, issued by the Bureau of Indian Standards, specifies the **performance requirements and design criteria for emergency safety showers**, eye and face wash stations, and combination units.

These units are essential in workplaces where exposure to hazardous or corrosive substances is possible, helping to mitigate injury from chemical splashes by providing immediate access to water for flushing affected areas.

The Indian Standard includes Emergency Showers specifications prescribing Water Flow and Temperature, activation methodology, materials to wash the entire body with large volumes of water for Eye/Face Wash Stations as **Immediate Response to Chemical Exposure**, Mitigating Injury to Vital Organs.

These emergency units are thus essential in industrial environments to safeguard workers from potentially severe chemical-related injuries, ensuring a safer and more compliant workplace.

