

## Topic 6 WATERPROOFING

### Part 3: What are the advantages of waterproofing?

- **Waterproofing safeguards the structural integrity of the building:** Damage caused by water infiltrating in buildings is one of the greatest dangers to their life expectancy. Water ingress can lead to the corrosion of reinforced concrete. Consequently, its strength decreases, which has a negative effect on the lifespan of the building. Usually, we do not see the damaged caused by water, but we can see the consequences.
- **Waterproofing provides comfortable life:** Buildings should be protected against water. Moisture from the soil and free water pass through the pores of the structural element and cause the formation of organisms such as mould, mildew, black spot mould inside the building. It also leads to decay of natural materials such as wood, swelling of plaster, corrosion of reinforcement materials. General dampness and mould bring on a mush smell, which is pungent to people. Through the help of waterproofing, we can prevent bad smells and the formation of microorganisms like bacteria, etc.
- **Waterproofing enhances economy:** Buildings, whose' price is going up, should be long lasting. Their life expectancy today is around 50 years. The negative effects of water reduce the lifespan of the building. These are important losses for both the state and the economy of the country. These losses can be prevented through waterproofing.