

Glossary

1. **Urban Planning**-Urban planning is a technical and political process concerned with the development and use of land, planning permission, protection and use of the environment, public welfare, and the design of the urban environment, including air, water, and the infrastructure passing into and out of urban areas, such as transportation, communications, and distribution networks.
2. **Repairs**-The main purpose of repairs is to bring back the architectural shape of the building so that all services start working and the functioning of building is resumed quickly. Repair does not pretend to improve the structural strength of the building and can be very deceptive for meeting the strength requirements of the next earthquake.
3. **Restoration**-Restoration is the restitution of the strength the building had before the damage occurred. The main purpose of restoration is to carry out structural repairs to load bearing elements. It may involve cutting portions of the elements and rebuilding them or simply adding more structural material so that the original strength is restored.
4. **Strengthening**-The seismic behaviour of old existing buildings is affected by their original structural inadequacies. The possibility of substituting them with new earthquake resistant buildings is generally neglected due to historical, artistic, social and economic reasons.
5. **Shotcrete**- Shotcrete is a method of applying a combination of sand and portland cement which mixed pneumatically and conveyed in dry state to the nozzle of a pressure gun, where water is mixed and hydration takes place just prior to expulsion. The material bonds perfectly to properly prepared surface of masonry and steel.