CHAPTER 4: LOADS

4.1 GENERAL

It shall be in accordance with JSCE Standard Specification (Design), 4.1.

4.2 CHARACTERISTICS VALUES OF LOADS

It shall be in accordance with JSCE Standard Specification (Design), 4.2.

4.3 LOAD FACTORS

It shall be in accordance with JSCE Standard Specifications (Design), 4.3.

4.4 LOAD TYPES

(1) Loads other than seismic loads shall be in accordance with JSCE Standard Specification (Design), 4.4.

(2) Seismic loads shall be in accordance with JSCE Standard Specifications (Seismic Design). The effects of plastic deformation of structures shall normally not be considered.

[COMMENT]:
When steel is used as reinforcing material, allowance for the effects of plastic deformation of structures due to yielding of steel members is permitted, but as yielding does not take place when CFRM is used, structures cannot be expected to undergo plastic deformation unless special measures are taken. For this reason, plastic deformation of structures shall normally not be considered. Where steel reinforcement is used in conjunction with CFRM, seismic behavior must be verified on the basis of a suitable evaluation of the plastic deformation capacity of the structure, either according to test results or to non-linear analysis based on a reliable theory.