

General Specification for Civil Engineering Works**2020 Edition****AMENDMENT NO. 2/2026****VOLUME 2****SECTION 16 Concrete and Joints in Concrete****CONCRETE**

- (a) Clause 16.12 **Replace “Either PFA or GGBS” with “Either PFA, GGBS, or a combination of PFA and GGBS” before “shall be used in concrete” in item (6).**

Replace “GGBS shall not be used in conjunction with PFA or PFAC” with “When GGBS is used in conjunction with PFA, the proportions of GGBS and PFA shall refer to Clause 16.14(7). In any case, GGBS shall not be used in conjunction with PFAC” in item (7).

- (b) Clause 16.14 **Replace “either PFA, GGBS or PFAC” with “either PFA, GGBS, PFAC, or a combination of PFA and GGBS” after “concrete containing” in item (2).**

Add “only” before “PFA is incorporated” and add “Unless otherwise approved by the Engineer, the maximum water/cement ratio of designed mix concrete for permanent reinforced concrete structures shall be as stated in Table 16.2A.” in item (4).

Add “only” before “PFA is used” and add “Unless otherwise approved by the Engineer, the maximum water/cement ratio of designed mix concrete for permanent reinforced concrete structures shall be as stated in Table 16.2A.” in item (6).

Add “only” before “GGBS is incorporated” and add “total” before “cementitious content” in item (6).

Add “When both PFA and GGBS are incorporated in the concrete as separate cementitious materials, their combined proportion shall not exceed 65% of the total cementitious content, and the PFA proportion shall not exceed 20%. Unless otherwise approved by the Engineer, the maximum water/cement ratio of designed mix concrete for permanent reinforced concrete structures shall be as stated in Table 16.2A” in item (7).

Add “Table 16.2A: Maximum water/cement ratio of designed mix concrete for permanent reinforced concrete structures containing either PFA, GGBS, or a combination of PFA and GGBS” after Table 16.2.

- (c) Clause 16.61 **Add** “For bored piles, if a pile consists of at least four test results and if agreed by the Engineer, the test results of that pile may be treated individually for the purpose of Clause 16.61(1)(b)” **in item (2).**

**Technical Secretariat Unit
Civil Engineering and Development Department
12 June 2026**