

Summary of Decisions of the Structural Engineering Committee
SEC Meeting 6/2025 held on 29.7.2025

Case 7/2025

Issue: Use of 50 mm diameter high strength BBV system (Grade 930/1080) hot rolled thread bars for ground anchors socketed into rock

Recommendation: To accept the use of 50 mm diameter high strength BBV System (Grade 930/1080) hot rolled thread bars as steel bars without bends for ground anchors ^{Note 1} socketed into Grade III or better rock, as defined in Category 1(c) of Table 2.1 of the Code of Practice for Foundations 2017 (2024 Edition) (the Code).

Note 1: The term “ground anchor” means the entire system and “BBV system” means the high strength hot rolled steel thread bar (BB bar) and associated components: coupler, lock-nut, round-nut and anchor plate.

Decision: Having noted the background of the design approach, construction sequence, quality control, site supervision, and testing proposals, the members endorsed the recommendations on a case-by-case basis, subject to the following conditions:

- (1) The quality control and assurance measures suggested in the SEC paper should be implemented.
- (2) Full time qualified supervision by TCP T3 under RSE’s stream on bar fixing and splicing of the BBV system shall be provided.
- (3) All tests on BBV bars, Slim Coupler, lock-nut, round-nut and anchor plate should be carried out by HOKLAS or by other laboratory accreditation bodies which have reached mutual recognition agreements/arrangements with HOKLAS.