

Summary of Decisions of the Structural Engineering Committee
SEC Meeting 2/2018 held on 4.4.2018

Case 3/2018

Issue: Use of 63.5 mm diameter high strength BBV Grade 75 (grade 555/700) hot rolled thread bars and BBV Straight Round coupler in Mini-piles socketed into Rock

Recommendation: To accept the use of 356mm diameter mini-pile foundation comprising 5 numbers of 63.5mm diameter high strength BBV Grade 75 (Grade 555/700, i.e. $f_y = 520$ MPa) hot rolled thread bars with BBV straight round coupler socketed into Category 1(c) rock or better.

Decision: Having noted the background information, the clarifications made by the RSE and his consultant team, members endorsed the recommendations on a case-by-case basis subject to the following conditions:

- (i) The method statement and the acceptance criteria of the proof tests (both compression and tension proof test) should be submitted for acceptance;
- (ii) The buckling checking of the piles should be demonstrated in the submission with consideration of the lateral displacement of the piles; and
- (iii) All tests on the BBV bars and the Straight Round Coupler with Lock Nut Big and pile head Anchor Nut system should be carried out by a laboratory accredited under HOKLAS or by other laboratory accreditation bodies which had reached mutual recognition agreements/arrangements with HOKLAS and witnessed by the RSE or his representative who should be a qualified professional engineer.