

Summary of Decisions of the Structural Engineering Committee  
SEC Meeting 10/2019 held on 17.9.2019

Case 41/2019

- Issue: The reduction of vertical compression load on foundation of APM/BHS underground tunnel due to ground water uplift
- Recommendation: 1. To accept the proposal of using groundwater uplift for reduction of vertical compression loads on foundation of underground tunnel.
- Decision: Having noted the background information and arguments together with RSE's supervision and the clarifications, members endorsed the recommendation on a case-by-case basis subject to the following additional conditions:
- (a) Detailed design calculation to ensure the most adverse load combinations have been taken into account; and
  - (b) Adequate precautionary measures against flooding within the tunnel and adequate monitoring works for groundwater table to be carried out.