

Summary of Decisions of the Structural Engineer  
SEC 01/2013 held on 9.1.2013

(a) Case 01/2013

- Issue:
1. Two Trial Piles of Steel H-pile grouted in pre-bored holes with post-presurized grout to take vertical load and lateral load.
  2. Group reduction factor of 1.0 adopted for working piles.
- Recommendation:
1. To accept the design principle of steel H-pile (Grade S450 J0, 305x305x223 kg/m) grouted in pre-bored holes (610mm diameter) with pressurized grout in CDG to enhance shaft friction for resisting vertical and lateral load, subject to satisfactory verification by static loading tests on the two trial piles.
  2. To permit adopting group reduction factor of 1.0 for the working piles.
- Decision:
- Members endorsed the recommendation subject to the following conditions:
- (a) Suitable quality control and protective measures should be followed;
  - (b) The trial pile loading tests should be conducted in a satisfactory manner: