

Summary of Decisions of the Structural Engineering Committee
SEC 2/2009 held on 28.04.2009

(a) Case 2/2009

- Issue: Steel H-pile grouted in prebored holes in CDG/HDG to take vertical load and lateral load
- Recommendation: To accept the design principle of steel H-pile (Grade S450 J0, 305x305x223 kg/m) grouted in prebored holes in CDG/HDG to resist vertical load and lateral load, subject to the satisfactory verification by two trial piles.
- Decision: Members endorsed the recommendations subject to the following conditions:-
- (a) the lateral load test should be carried out to verify its lateral load resistance capacity;
 - (b) the two tube-a-manchette steel tubes should be replaced by four tube-a-manchette steel tubes placed orthogonally at the pile perimeter; and
 - (c) in the load tests, the residual settlement after loading cycle 3 should be recorded for observation.