

18.1.17 Excavations for Shafts, Tunnels and Headings

- A. Excavations for shafts, tunnels and headings shall be in accordance with particular requirements of the method of work and the relevant sections of the specification.
- B. The amount of excavation in terms of length and depth shall be kept to a minimum during the construction period and all completed excavation shall be backfilled as soon as practicable.

18.1.18 Tower and Mobile Cranes

- A. In accordance with UAE law, cranes must be tested and certified by an approved tester every 12 months.
- B. Crane operators must be 18 or over, properly trained and certified.
- C. Crane slingers must be properly trained and certified, easily identifiable with a different colour hat and/or high visibility jacket with duties to properly sling the load, direct the crane driver and ensure a safe area under and in the surrounding area of the load.
- D. All crane operations must be controlled only between the crane operator and slinger. It is preferable that the crane operator and slinger communicate by means of cordless communication.

18.1.19 Lifting Equipment

- A. All lifting operations must be under the direct control of an experienced slinger.
- B. All lifting equipment shall be tested and examined by a competent person and a certificate obtained.
- C. All lifting gear to be clearly marked with their safe working load (SWL) and this should never be exceeded.
- D. All lifting equipment to be of good construction, sound material, adequate strength, suitable quality and free from patent defects.

18.1.20 Working at Height

- A. The Contractor shall erect safe working platforms supported by scaffold for any work more than 2m above the adjoining ground, by qualified and experienced scaffolders. Scaffolding design must ensure:
 - 1. A minimum platform width of 600mm.