

6. Avoid spiraling (stresses) of pipes during uncoiling. Use proper spool mounted coil.
7. Examine strapping, webbing, support distances, and prevent slippage.
8. Slack so as not to exceed permitted ovality and ensure freedom from compression setting.
9. Stack to maintain straightness of pipe in all longitudinal planes.
10. HDPE pipes shall be stored in flat secure areas shaded from the sun (a roofed open shed is required). Additionally pipes shall be protected from UV light by covering with opaque tarpaulin. Do not allow heat build-up in the pipes to prevent compression set war page.

### **2.1.7 Safety**

- A. The Contractor shall adopt safe working practices for tunneling in accordance with provisions of BS 6164 and BS 5228: Parts 1 & 2.
- B. The Contractor shall allow only authorized personnel access to the site.
- C. The Contractor shall provide a Safety Officer, as per Section 01540, suitably experienced in tunneling operations and with adequate authority to control and implement safe working practices.
- D. The Contractor shall provide and maintain suitable arrangements at site for personnel including:
  1. Telephone service.
  2. Telecommunication equipment between the control room and the working crew.
  3. Approved gas detectors.
  4. First aid kit.
  5. Emergency escape or breathing apparatus sets.
  6. Transport.
- E. The Contractor shall provide a separate cage type ladder for each pit/shaft.
- F. The Contractor shall fence the shafts/pits on all sides with close steel panels of a minimum 1.8m in height equipped with orange safety warning lights. He shall join the panels. The maximum space between the panels shall be 100mm, by steel rods supported on concrete blocks.