

9.14 Excavation and Trenching

DMAT shall be notified well in advance prior to start of all excavation and trenching work and all the necessary permits from DMAT, and where necessary other authorities, shall be in place in advance of the work commencing.

DMAT shall be contacted and advised of all proposed work, the interface and location of underground utilities. Overhead power transmission lines shall be de-energized where possible. Goal posts shall be erected to provide high visibility and highlight height restrictions; plant should be fitted with restrictors electronic/mechanical to prevent inadvertent contact. All workers require NOC from TRANSCO.

Warning signs and adequate physical barricades or protective covers shall be provided for and erected around all trenches / excavations, pits, shafts and wells.

All excavation and trenching shall be supervised by a competent person and protection systems shall be provided and all excavations shall be monitored.

9.15 Traffic Regulation

The Contractor shall ensure that vehicle and pedestrian traffic are protected and maintained through areas of the temporary traffic control devices such as barriers, barricades, cones, drums, warning signs and lights are provided, all of which shall be in compliance with the latest relevant safety regulations and standards of concerned authorities. The contractor should be fully conversant with such regulation, especially that of the Police Traffic Department

Approval from, all relevant authorities for the maintenance and protection of traffic operation shall be obtained together with written authorization from the DMAT for working during the hours of darkness.

9.15.1 Safety Officer

The appointed Safety Officer shall have received traffic safety training, or had previous experience in supervising maintenance and protection of traffic through highway construction areas.

No work shall be carried out during the hours of darkness unless otherwise authorized in writing by the Engineer.

Traffic Regulation documents shall specify:

- a) Types and standards of Signs, Signals and Devices
- b) General execution of Signage, Signals and Barriers
- c) Use of Flag Persons
- d) Deployment of Flares and Lights
- e) Establishment of Haul Routes
- f) Execution of Detours

9.15.2 Closing of Roads

Roads shall not be closed without first obtaining written consent from the Traffic Police and the consent of the Services Co-ordination Committee.