



NLC TAMILNADU POWER LIMITED

SAFETY DIVISION

STANDARD OPERATING PROCEDURE

TITLE:- SOP- FOR EXCAVATION WORK

NTPL//SOP-07

SOP FOR Excavation work :

1. Before undertaking any activity, the soil shall be tested and in case of availability of any explosive gas, necessary arrangements must be made to remove/dilute such gases and in case they are found to be toxic or poisonous, the workplace must be purged and continuous ventilation maintaining the contamination below the permissible level ensured;
2. The position of underground installations such as sewers, water pipes and electrical cables shall be verified and in case of their existence, they must be isolated;
3. If they cannot be isolated or removed or shutdown, they shall be fenced, hung up or otherwise protected. On every part likely to be visited by persons or where transport vehicles ply, the area shall be suitably fenced, guarded or barricaded to prevent fall of persons, vehicles or livestock into the excavated area;
4. Warning signs shall be erected and in the night hours the area shall be illuminated to warn pedestrians and vehicular traffic;
5. Arrangements shall be made to prevent external vibrations due to rail/road traffic;
6. Blasting shall be carried out in accordance with the norms applicable in this regard. Special care shall be taken to control the impact of vibrations/tremor caused by blasting to protect excavations from cave-ins; Arrangements shall be made to save other buildings/structures in the affected zone or in the vicinity of the area of excavation, from collapse;
7. A required PPE's (Tools, life line rope etc.) required for this work.



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