



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT  
ARIYALUR  
CIVIL DEPARTMENT MANUAL**



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Issued By: M.R		Approved By: HOD – CIVIL	
WORKING INSTRUCTION FOR EXCAVATION			

**PURPOSE:** Documented instructions for safe working excavation work

**SCOPE:** Safe working of excavation in side Plant premises

**RESPONSIBILITY:** HOD (Civil) shall be responsible for approving the instructions and the section-In charge/area in charge shall be responsible for establishment and implementation of work-instructions

**PROCESS:** As follows,

Before starting the work at site, ensure the following things.

1. Availability of good for construction drawing
2. Work permit for the job has been taken from respective section in charge
3. Clearance has been obtained from Electrical Department for underground Cables and the same has been de-energized.
4. Necessary protocol is available and clearance for starting the work has been Obtained
5. All labours are wearing the required safety PPE like helmet & shoes
6. Area to be barricaded by safety tape
7. Area for dumping excavated earth has been identified.

Depending on the depth of earth to be excavated and the type of earth Encountered, the HOS may decide on the nature of cut to be made (vertical Or at an angle etc). Proper leading arrangement to be made for excavation at depth. For depth of excavation greater than 3.0m, shoring to be provided to prevent the sides of the pit from collapse. Water encountered should be immediately pumped out to prevent the collapse of earth. In case of any cables encountered only manual excavation needs to be done. Ensure that the depth of excavation is as per drawings. In case of the bottom of excavation being loose/ unconsolidated inform HOD for further instruction. Excavation bottom shall be properly leveled before carrying out further works.