



Working Methodology Statement- Excavation works and Piping

1. Scope & Objectives

- This covers Earthwork activity including removal of top soil layer and excavation in all types of soils & rocks up to required levels on the west side of the plot
- Objective is to get the work done in systematic and safe manner to avoid unnecessary resource consumption 2.

References

- Project documents, viz. Quality plan, EHS plan, LEED and Technical Specification of the project.
- IS codes to be referred:
IS: 3764 – Safety code for excavation work.

3. Control Measures

- Setting out the control lines & recording OGL
- Comparing excavated samples with soil investigation reports.
- Maintaining safe distances from the HT cable line as specified below.
- Boom of Excavator shall not cross the Goal post installed.

4. Work Location/Access Requirements

- Check and initiation of procedure to remove underground & overhead utilities present if any, which can obstruct excavation work, viz. electrical power cables, water pipe line or any other service line in consultation with the Henkel and PMC.
- Check for the availability of space for vehicle movement and planning the same.

5. Work Methodology

- Study of soil investigation reports & specification from client.
- All underground and overhead cables are taken care of with respective authorities before planning the excavated work.
- To mark pit sizes as well lineout for desired area should be checked for correctness.



- Top soil which is an engineering fill will be removed cautiously first up to NGL. As per reference to the drawings, minimum depth of excavated pit will be reached or as directed.
- Field access through ramp if the excavated earth is to be moved by vehicles.
- Confirmation of all safety checks before start of the work. Maintaining the specified safe distance from HT cable i.e. **5.4mtr vertically and 5.4mtr horizontally as per electrical rules.**
- **Arrangement of goal posts shall be made for working in the area where distances are lesser than above specified.**
- A site engineer/supervisor and a safety executive/steward are required to continuously monitor the activities.

6. Inspection Procedure

- Comparison and record between anticipated strata and actual excavated strata is approved & records maintained.

7. Documentation Required

- Joint Measurement Records (JMR) between Client/PMC and Contractor for the levels at regular work intervals
- All safety checklists required during the work progress.

8. Health and Safety Hazard Assessment

- Safe specified distances to be maintained from HT line by man and machineries, both.
- No materials would be stacked at edge of the excavation pit
- Proper supervision and access would be made for workers, either by providing ladders or cutting steps on the wall of the pit or by any appropriate means.
- Ensure arrangement of Goal posts.

Regards

V T INFRASTRUCTURE PRIVATE LIMITED

DIRECTOR

Authorized Signatory