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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

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.

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- Top soil which is a engineering fill will be removed cautiously first upto 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.
- Conformation 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/stewart 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



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Authorized Signatory

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