

Construction Sequence for IITB-Efficiency Housing

- Based on the site conditions and building configuration, the external retaining wall is an independent structure in relation to the main building.
- Structurally, we recommend casting the external retaining wall first to retain earth and debris. However, this construction sequence should be verified by the contractor or PMC team before execution on-site.

The following are the precautions and construction sequence we recommend:

1. Before excavation, a trench should be provided between the existing compound wall and the external retaining wall to avoid vibrations affecting the existing compound wall during the construction of the external retaining wall.
2. The construction and casting of the external retaining wall should be done in segments of 8-10 meters in length.
3. If backfilling is to be done before the wall attains full strength, push-pull props should be provided at an incline to support the external retaining wall.
4. If soft pockets or loose strata are found during excavation, sandbags should be provided to retain the loose strata.