



# Detailed Assessment Stage

Depending on the results of the Preliminary Assessment it may be necessary for a particular factory building to undergo a Detailed Engineering Assessment (DEA).

## What is a DEA?

DEAs are necessary to determine the safety of a structure when preliminary assessment reports reveal issues that require further analysis or when there is insufficient information available.

A DEA could be recommended to investigate structural, fire or electrical safety issues and involves comprehensive field data collection, measurement/testing and subsequent detailed calculation and analysis as well as recommendations.

The DEA process can see the partial removal or destruction of some structural elements, for example taking a core sample out of a concrete column, removing soil for testing, removing wall or beam finishes and seeing hidden or covered details.

## How will I know if a DEA is required?

Results from the Preliminary Assessment stage will indicate whether a DEA is required. Where required, the DEA will be a specific action to be addressed within a factory's corrective action plan (CAP).

## How to commission a DEA

It is the responsibility of the factory owner to carry out the DEA. Ideally this should be done within six weeks of being notified of the requirement. A number of engineering firms have been approved to provide either structural or fire/electrical DEAs according to the National DEA Guidelines. Details of these companies and guidelines can be found at the DIFE website. It is important to note that the results of DEAs carried out by any company which is not on this approved list will not be accepted.

## DEA report submission, approval and follow up

Upon completion of any DEA, the engineering firm will provide the DEA report to the factory. The factory needs to submit this report to the Remediation Coordination Cell (RCC). RCC engineers in collaboration with engineers appointed by the government regulatory bodies will review the DEA report which will then undergo a final validation check by the RCC Task Force.

If the report is approved it will be returned to the factory for further action. The factory will then need to update its CAP with the findings or recommendations of the DEA report and carry out remediation accordingly. If the report is not approved, it needs to be revised by the assigned engineering firm.

List of enlisted private consultancy firms: <https://bit.ly/2seqaDn>  
DEA Guideline: <https://bit.ly/2J6EckN>