

A Review on Design and Analysis of Structure Against Blast Forces

Authors : Akshay Satishrao Kawtikwar

Abstract : The effect of blast masses on structures is an essential aspect that need to be considered. This type of assault could be very horrifying, who where we take it into consideration in the course of the design system. While designing a building, now not only the wind and seismic masses however also the consequences of the blast have to be take into consideration. Blast load is the burden implemented to a structure form a blast wave that comes straight away after an explosion. A blast in or close to a constructing can reason catastrophic harm to the interior and exterior of the building, inner structural framework, wall collapsing, and so on. The most important feature of blast resistant construction is the ability to absorb blast energy without causing catastrophic failure of the structure as a whole. Construction materials in blastprotective structures must have ductility as well as strength.

Keywords : blast resistant design, blast load, explosion, ETABS

Conference Title : ICBRSBL 2022 : International Conference on Blast-Resistant Structures and Blast Loading

Conference Location : Paris, France

Conference Dates : November 14-15, 2022