
Ahmed Mohamed Abdel Moneim Mohamed Soliman

Teaching Assistant

Abstract

This paper presents the state of the art review of the behavior and analysis of post-tensioned RC structures at pocket locations. The main concept of post-tensioned concrete, usage, types, advantages and disadvantages, some tests performed on post-tensioned RC structures, problems that require the usage of stressing pockets are introduced. Moreover, the work on post-tensioned RC beams and slabs with different approaches such as monitoring and fire control are given.

10th international conference on nano-technology in construction - 2018, April