Optimum Selection of concrete Batch Plant (CBP) Location Model Using Analytic Network Process (ANP)

Ibrahim Mahmoud Mahdi Mostafa , I. Abdel Rashid,

Abstract

The selection of optimum location for concrete batch plant (CBP) became very important problem that needs a right decision to avoid many difficulties and problems may results due to select wrong location. For that we can use the analytic network process (ANP) in decision making process. The ANP is more generalized than the analytic hierarchy process (AHP). This paper shows a form of questionnaire to identifying the factors affecting CBP location to deal with it or to construct a new batch plant after sending it to expert engineers and workers. The ANP model presents the framework criteria and available alternatives ad feedback which can help to choose the best alternative.

American Journal of Engineering Research (AJER) 2018, March