

CLAIM-CAUSE RELATIONSHIP STUDY OF HIGHWAY CONSTRUCTION PROJECTS IN INDIA THROUGH FACTOR ANALYSIS

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ABSTRACT

Indian highway construction industry has seen a multifold increase in the spending in the development of highways in India. It has been observed that the majority of the construction contracts, due to variety of unanticipated and indefinite parameters, run into problems, giving rise to claims and disputes among its stake holders, namely, the employer, the contractor and the engineer. This paper presents the study of the claim–cause relationship and its behavior from 573 claim and dispute incidents from 77 highway construction contracts in India during the period of year 2000 to 2010. Principal Component analyses were performed on the data thus collected to study their inter-relationship.

KEYWORDS: Claims, Causes of Claims, Highway Construction, Contracts, Factor Analysis, Principal Component Analysis