

## **FORMULATION OF FIELD DATA BASED MODEL FOR SITE CLEARANCE OF BUILDING CONSTRUCTION ACTIVITY**

**O. S. BIHADE, J. P. MODAK, S. S. KULKARNI AND K. S. ZAKIUDDIN**

### **Abstract**

In third world developed countries it has been observed that the occupational risk factors related to building construction activities in India among male/female workers. A field data based study was conducted on these Workers who were engaged in four different types of activities and related work parameters were studied in detail. The mathematical simulation of construction process has been carried out by adopting different approaches using theories of Experimentation in Engineering [1]. In construction industry in Indian scenario where majority of total construction works are still executed manually which consumes a lot of human energy which needs to be focused and develop a mathematical relation which simulate the real input and out put data directly from the construction field where the work is actually being executed. The advantages and limitations of the applied mathematical models are identified and the models are classified in terms of application range and goals. The findings indicate that the topic understudy is of great importance as no such approach of field data based mathematical simulation is adopted where human energy is related to productivity of construction process.

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**Keywords :** Field Data Based Model, Site Clearance, Mathematical simulation, Ergonomic

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