

RESEARCH CENTRE FOR MATERIAL MANAGEMENT AND QUALITY ASSURANCE



Mr. Prasanna P Rao

For the Construction projects, cost of materials will be accounted up to 60 to 70 % of the total cost. Thus, the effective use of these materials in the construction site is very much essential. Otherwise it may lead into greater losses to employer. Material management plays a role well beginning from the planning of choosing appropriate vendor, selection of good materials, cost comparison analysis, purchasing these materials and up to delivery of these materials. Day to day maintaining the records of material usage is very much necessary to control on what, how much, and where the materials are been used. Material management also looks on smooth flow of materials, so as to ensure the required materials available in timely manner therefore resulting in accelerate the construction speed, optimise the cost, avoids the work stoppage because of non-availability of materials. And, also it improves the quality of the work thus results in minimum wastage of materials. In order to build a safe and stable structure, the type of materials used should be of high quality. These types of materials last longer and leave no room for any defect. Hence, Quality check, control and assurance of all these materials and also with the end products is a primary need in construction site.

This research centre basically deals with the research on appropriate use of quality materials with optimal cost available in market and also looking upon the effective usage of materials so as to improve the standards of the work area and thus ensuring the minimal of waste generating of these materials which lead into an effectiveness of waste management. Research on Quality control, day to day quality checks and quality assurance policy making in the work is necessary as it will lead into standardization of work, and also the organisation.

Members:

1. Dr. Ramakrishna Hegde
2. Prof. Shrinath Rao K.

Journal Publication:

Mr. Prasanna Rao, Mr. Robin Varghese, Mr. Santosh Kumar, Mr. Shashanka Mayya, Mr. Shazan Abdullah," Stabilisation of Lithomargic soil using polypropylene strips", International Research Journal of Engineering and Technology, vol 5 issue 7, July 2018.