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IMPACT ORIENTED TECHNIQUES FOR IMPROVEMENT OF GROUND – A REVIEW

AJEET KUMAR

*Asst. Professor, Department of Civil Engineering
GMVIT, Tala,
Raigad, Maharashtra, India
ajeet2209@gmail.com*

NANCY SONI

*HOD, Department of Civil Engineering
RKDF College of Technology
Bhopal, M.P., India
soninancy@gmail.com*

MANOHAR T. KHANDEKAR

*Asst. Professor, Department of Civil Engineering
GMVIT, Tala,
Raigad, Maharashtra, India
Khandekar.m11@rediffmail.com*

ANKITA R. BHOIR

*Asst. Professor, Department of Civil Engineering
GMVIT, Tala,
Raigad, Maharashtra, India
Ankibhoir143@gmail.com*

ABSTRACT:- There are various ground improvement techniques in which impact loading techniques are being practiced. Although each technique has its own utilization and application range, but these techniques are an economical solution of ground improvement. Usually the name, Dynamic compaction is used to address all the other methods of impact type ground improvement, Hence this paper will give a review and comparison of Dynamic Compaction with Rapid Impact Compaction and Impact Roller Compaction. The readers will get to know the correct terminology for the particular methods and confusion will be eliminated as the conclusion of this review paper.

Keywords—Dynamic Compaction, Impact energy, Pounder, Compaction and Consolidation.

OPTIMUM UTILIZATION OF CONSTRUCTION EQUIPMENT'S ON BUILDING SITE

D.B. PHADATARE

*Civil Engineering Department
MES's Pillai HOC College of Engineering & Technology
Raigad, India
dexpali.phadattare2103@gmail.com*

DR. S.B.CHARHATE

*Civil Engineering Department
MES's Pillai HOC College of Engineering & Technology
Raigad, India
scharhate@mes.ac.in*

ABSTRACT:- The equipment management system and equipment policy always has a huge impact on the profitability of the contractors with more investment in equipment. In civil engineering construction projects, the cost of equipment can vary from 25-40% of the total project cost. The objective of this project was to study that how the planned and proper maintenance is important for construction equipment for better production. The data analysis here is monthly equipment utilization on site & various reasons for losses in construction equipment production. It is necessary to evaluate if additional construction equipment is brought to the construction site then whether a project can be finished in a given period. The main purpose of this study is to evaluate the overall traffic flow of construction equipment which influences the efficiency of construction operations.

Keywords— Construction equipment, building site, equipment maintenance.

