IJARSCT
International Journal of Advanced Research in Science, Communication and Technology
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
ISSN: 2581-9429
Volume 5, Issue 1, May 2025
Impact Factor: 7.67

Parametric Study on Analysis and Design of Turbo Generator Foundation

Miss Manodnya Rajesh Nitnaware[1] and Prof. Dr. P. K. Kolase[2]
Student, ME Structural Engineering, Pravara Rural Engineering College, Loni[1]
Professor (HOD), Dept. of Civil Engineering, Pravara Rural Engineering College, Loni[2]

Abstract: *Machines are the most important equipment in the industry. The load produced within the machine is dynamic in nature caused due to vibratory motion, impact of hammer, earthquake or wind, pile driving, etc. Repetitively acting load over a long period of time the performance, safety and stability of machine is very important and are largely depends on its foundation which makes foundation one of the important component of that machine. Machine foundation is designed for static and dynamic loading generated by machine supported on top of the foundation. The object of the project is to Study of vibration and dynamic analysis of machine foundation in ANSYS for deferent geometry of footing having same volume.*

Keywords: Dynamic Analysis, ANSYS, Machine foundation

DOI: 10.48175/568