

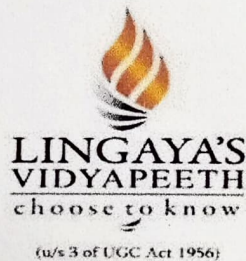
Ready Mix Concrete

A Major Project Report Submitted
In Partial Fulfilment of the requirement
for the award of the degree of

Bachelor of Technology
In
Civil Engineering

By
WASEEM AKRAM
(18CE18L)

Under the Supervision of
Chitranjan Singh
(Assistant Professor)

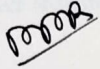


Department of Civil Engineering

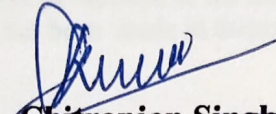
Lingaya's Vidyapeeth
Faridabad (Haryana)
Session 2019-2022

Certificate

This is to certify that the project report entitled "Ready Mix Concrete" is being submitted by **Waseem Akram(18CE18L)** for the partial fulfilment of the award of the degree of **BACHELOR OF TECHNOLOGY in CIVIL ENGINEERING** by Lingaya's Vidyapeeth, Faridabad is a record of a bonafide work carried out by them under my supervision during the year 2020. The contents of this report have not been submitted to any other University or institute for the award of any degree or diploma.



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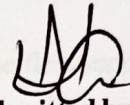

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DECLARATION

I **Waseem Akram (18CE18L)** the student of Bachelor of Technology in Civil Engineering during the session 2018-2022 at Lingaya's Vidyapeeth, Faridabad, Haryana, hereby declare that the work presented in this report entitled "**Ready Mix Concrete**" is the outcome of my own bonafide work and is correct to the best of our knowledge and this work has been undertaken taking care of Engineering Ethics.

It contains no material previously published without referring or written by another person nor material which has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgement has been made in the text.



Submitted by:

WASEEM AKRAM (18CE18L)

ACKNOWLEDGMENTS

I would like to thank my guide, Chitranjan Singh Sir for his very valuable guidance, his support and his critical suggestions throughout the completion of our project.

It was a privilege to study under his supervision. His vision and broad knowledge played an important role in the project work. I also like to thank him for pushing me to the stage that I thought I could never accomplish.

Allow me to express my sincere gratitude to Mr. Maniraj M. sir for his tremendous and selfless support in design of the project and time management skills while fabricating the product.

It is my great honor to have had the opportunity to work with these great minds and their remarkable characters. Their spirit of enthusiasm and commitment even in the times when we students found it hard to do is commendable.

Also I appreciate the moral support of Chitranjan Singh sir during our project work.



Submitted by
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Abstract

Although the first RMC plant operated in India in 1987, the growth of RMC has picked up only in the last decade. Most of the RMC plants are located in 7 large cities in India, where they contribute 30% to 60% of the total concrete used in these cities. RMC, on all India basis contributes to about 5% of total concrete used. The growing popularity of RMC in cities is for obvious reasons of constraints of construction space and need to control environmental pollution. This is in spite of about 12% to 20% higher cost as compared to site mixed concrete. The number of RMC plants in India, are growing rapidly and being relatively new ones having most up-to-date machinery and technology. The detailed information given in the paper is based on data collected by 7 large offices of STUP Consultants P. Limited in India where they are actively recommending the use of RMC in many major projects in all fields of Civil and Engineering and Architectural applications in essence, to obtain better quality of work.