

GURU GHASIDAS VISHWAVIDYALAYA

(A CENTRAL UNIVERSITY), BILASPUR (C.G) INDIA, 495009



VOCATIONAL TRAINING PROJECT REPORT ON

CONSTRUCTION OF ROADS

Submitted in partial fulfilment for the award of the degree

Of

BACHELOR OF ENGINEERING

In

CIVIL ENGINEERING

By

Mr. RUDRA PRATAP

ROLL NO.- 21024129

ENROLLMENT NO.- GGV/21/01029



सेंट्रल कोल्फील्ड्स लिमिटेड

(भारत सरकार का उपक्रम)/कोल इंडिया लि. अनुषंगी कंपनी

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Ref Bo: CCL/TRG/VT/24-25/ 161

Dated: 18/06/24

TO WHOM IT MAY CONCERN

This is to certify that **RUDRA PRATAP** a student of Civil Engineering GGV Bilaspur, C.G has done Project training at Civil Department of Central Coalfields Limited, Ranchi from 16th May, 2024 to 15th June, 2024 on Road Construction.

He has completed his practical training/Project work successfully and submitted a detailed report of this work. I wish all success in his life.


(Vikash Kumar Singh)

Sr. Manager (Geology)/(HRD)

CCL, Ranchi

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ABSTRACT

This project is based on the construction of Flexible and Rigid Pavement at coal mine area in state of JHARKHAND under CENTRAL COALFIELDS LIMITED. It consists construction procedure of Rigid and Flexible pavement. It consists the various layers of Rigid pavement such as Subgrade, GSB, DLC and PQC with their engineering properties and quality control as per IRC-58 and it also consists of various layers of Flexible Pavement such as Subgrade, GSB, DBM, Binder course & BC with their recommendations as per IRC-37. It also includes the types of joints which are provided in Rigid pavement for free expansion and contraction of PQC slab to reduce its wear and tear. This report comprises the estimate of Flexible and Rigid pavement also at Amrapali division and Urimari project area. This report contains the details of execution work which I have seen during my internship period. The contents of this report are theoretical as well as practical as per my site experience.

CENTRAL COALFIELDS LIMITED (CCL), under COAL INDIA LIMITED plays a vital role in the implementation of government civil works.