

SUMMER INTERNSHIP REPORT

A report submitted in partial fulfilment of the requirements of the award of degree

OF

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

(TRAINING PERIOD :- 16TH MAY TO 30TH JUNE 2024)

AT

GHAZIPUR PUBLIC WORK DEPARTMENT (PWD)

Bridge construction division Ghazipur

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DEPARTMENT OF CIVIL ENGINEERING

**GURU GHASIDAS VISHWAVIDHALAYA,
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CERTIFICATE

001

तकनीकी प्रशिक्षण प्रमाण-पत्र

प्रमाणित किया जाता है, कि मीनालिसा पुत्र श्री तिरेंद्र यादव
द्वारा इस खण्ड के अन्तर्गत दिनांक 16/06/24 से 30/06/24 तक चार/छ सप्ताह का
अल्पकालीन तकनीकी कार्य (यांत्रिक/सिविल) का प्रशिक्षण प्राप्त किया गया।

प्रशिक्षण के दौरान इनका व्यवहार एवं चरित्र उत्तम रहा है। मैं इनके
उज्ज्वल भविष्य की कामना करता हूँ।

मि. मिनालिसा
प्रशिक्षण अधिकारी
गोपालपुर

ABSTRACT

I did my training in public work department(PWD) on Construction of **58.04m Minor Bridge** on well foundation over access the road on river near Hawa Hunpur Musthan (Magwati Dham).

Its primary objectives encompass to access the road on river near Hawa Hunpur Musthan (Magwati Dham) and to avoid frequent traffic snarls.

The project started in 17/06/2024 and is expected to be completed by November 2024 and the **estimated budget of 461.75lac** of the project will be sourced from various funding channels. During my internship I got to see the Foundation work, which includes well foundation, will establish stable support structures. Piers and abutments will be constructed to support the bridge spans. Bridge spans will be assembled and installed using specialized equipment.

The post-construction phase will include bridge load testing to verify the bridge's structural response that when load is applied on the bridge how it behaves according to **IRC SP 51-2014**

Final inspections will ensure regulatory compliance, and necessary certifications for opening the bridge to traffic will be obtained

In conclusion, this Bridge project is characterized by meticulous planning, innovative engineering, and collaborative efforts. It will enhance connectivity, safety, and regional development by delivering a vital piece of infrastructure. The complete project had several components like construction of well foundation, casting of bridge segments, launching of superstructure etc. Construction of well foundation, in the duration of the training, was in the stage of sinking of the well. Coming till this stage included several steps like making of the cutting edge, casting of well curb and sinking of well steining. Gaining the first hand experience of this work going on showed the practical aspects of the processes that we had only read in books. The other work that was going on during the training period was of casting of segments for the superstructure. Understanding this work required the study of various methods used in segment casting which also broadened the knowledge on various processes used in bridge construction.