

A PROJECT REPORT

On

ANALYSIS OF CHEMICAL ADMIXTURE IN CONCRETE MIX DESIGN OF GRADE M30

Submitted in partial fulfilment of
Diploma in Civil Engineering



Session: 2023-24

Submitted by

GROUP-7

Akhila Patra

Under the guidance of

Er. Sourav Ku. Behera

(lecture of civil engineering)

DEPARTMENT OF CIVIL ENGINEERING
GOVERNMENT POLYTECHNIC, BOLANGIR
LARKIPALI, BOLANGIR (767001) ODISHA, INDIA

PROJECT REPORT
ON
“ANALYSIS OF CHEMICAL ADMIXTURE IN
CONCRETE MIX DESIGN OF GRADE M30”

Submitted in partial fulfilment of the requirements for the
diploma

In

CIVIL ENGINEERING

Submitted by

GROUP -7

Akhila Patra

Regd- F21110001003

Sem-6th

Batch-2021-24

Er. Abinash Biswal
(HOD, Civil Engineering)
Government Polytechnic, Bolangir

Er. Sourav Kumar Behera
(Lecture in civil engineering)
Government Polytechnic, Bolangir

DEPARTMENT OF CIVIL ENGINEERING
GOVERNMENT POLYTECHNIC BOLANGIR
LARKIPALI, BOLANGIR (767002), ODISHA (INDIA)

CERTIFICATE

This is to certify that this project report specified
“ANALYSIS OF CHEMICAL ADMIXTURE IN
CONCRETE MIX DESIGN OF GRADE
M30” submitted by GROUP NO-7 diploma student in
the civilianizing, Government Polytechnic, Bolangir in
the academic session of 2021 to 2024, in the partially
fulfilment of the requirement the award of “Diploma in
Civil engineering “is a record of project works carried
out under my supervision and guidance.

Project work carried out by

Akhila Patra

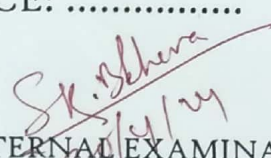
Regd -F211110001003

Sem- 6th

Batch -2021-24

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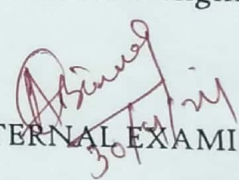
PLACE:


INTERNAL EXAMINAR

Under the guided by

Er. Sourav Ku. Behera

(Lecture in civil engineering)


EXTERNAL EXAMINAR

PERFORMANCE CRITERIA

Sl NO.	Performance Criteria	Total Mark (100)	Mark Secured
1	Selection of project assignment	(5)	4
2	Planning and execution of considerations	(10)	9
3	Quality of performance	(10)	9
4	Providing solution of the problem or production of responsibility	(10)	8
5	Sense of responsibility	(5)	3
6	Self-expression / communication / Presentation skills	(10)	9
7	Interpersonal skills / human relation	(5)	4
8	Report writing skills	(5)	3
9	Viva voce	40	34
	Total	100	83

Student Signature:- *Aruna Patra*

Regd No:- *F21110001003*

Semester:- *6th*

Batch:- *2021-24*

[Signature]
External
Examiner
30/4/24

[Signature]
Internal
Examiner
30/4/24

[Signature]
Project
Guide
30/4/24

A PROJECT REPORT ON

Preparing Index Map of Gltl, Bolangir



**Submitted in partial fulfillment of Diploma in Civil
Engineering
by
INDIVIDUAL**

**NAME- NIHARIKA JENA
ROLL NO- F21110001029
SEMESTER-6th
BATCH- 2021-24**

**DEPARTMENT OF CIVIL ENGINEERING
GOVERNMENT POLYTECHNIC, BOLANGIR**

PROJECT REPORT

ON

**PREPARING INDEX MAP OF GANDHAMARDAN ITI, BOLANGIR BY
USING TOTAL STATION**

Submitted to

**DEPARTMENT OF CIVIL ENGINEERING
GOVERNMENT POLYTECHNIC, BOLANGIR**

IN PARTIAL FULFILLMENT OF CIRCULAR REQUIREMENT FOR

PROJECT WORK

IN

CIVIL ENGINEERING

Group 5

Submitted by

Niharika Jena



**DEPARTMENT OF CIVIL ENGINEERING
GOVERNMENT POLYTECHNIC, BOLANGIR**

(767001)

ODISHA (INDIA)

PROJECT REPORT
ON
PREPARING INDEX MAP OF GANDHAMARDAN ITI, BOLANGIR BY
USING TOTAL STATION

Submitted to
DEPARTMENT OF CIVIL ENGINEERING
GOVERNMENT POLYTECHNIC, BOLANGIR

IN PARTIAL FILLLMENT OF CIRCULAR REQUIREMENT FOR

PROJECT WORK
IN
CIVIL ENGINEERING

Group 5

Submitted by

Niharika Jena

Under the Guidance of

ER. Abhinash Biswal

Er. Kshirod Bihari Rana

(HOD, Civil Department) (Lecture in civil Engineering)

Government Polytechnic, Bolangir Government Polytechnic, Bolangir

DEPATMENT OF CIVIL ENGINEERING
GOVERNMENT POLYTECHNIC, BOLANGIR
(767001)

ODISHA (INDIA)

CERTIFICATE

This is to certify that this project report entitled "PREPARING INDEX MAP OF GANDHAMARDAN ITI, BOLANGIR BY USING TOTAL STATION " Submitted by NIHARIKA JENA diplomastudents in the department of civil engineering, Government polytechnic , bolangir in the academic session of 2021-2024, in the partially fulfilment of the requirements for the award of "Diploma Civil Engineering" is a record of project works carried out under my supervision and guidance.

DATE:30/4/2024

K. B. Rana
30/4/24
Er. Kshirod Bihari Rana

(Project Guide)

Place: Govt. Polytechnic ,Bolangir

K. B. Rana
30/4/24
INTERNAL EXAMINER

Abinwal
30/4/24
EXTERNAL EXAMINER

PERFORMANCE CRITERIA

Sl. No.	Performance Criteria	Total marks (100)	Mark Secured
1.	Selection of project assignment	(5)	4
2.	Planning and execution of considerations	(10)	9
3.	Quality of performance	(10)	9
4.	Providing solution of the problems or production of final product	(10)	8
5.	Sence of responsibility	(5)	4
6.	Self-expression /communication/ Presentation skills	(10)	9
7.	Interpersonal skills/human relation	(5)	4
8.	Report writing skills	(5)	4
9.	Viva voce	(40)	35
Total		100	86

K.B. Rana
20/4/24
INTERNAL EXAMINER

Abhinav
20/4/24
EXTERNAL EXAMINER

Name - Niharika Jena
Regd No - F21110001029
Semester - 6th
Batch - Civil

Dt - 30/4/2024

PROJECT REPORT
ON
BITUMINOUS MACADAM AND
SEMI- DENSE BITUMINOUS CONCRETE
MIX DESIGN

A project submitted in partial fulfillment of the requirement for the

Diploma

In

Civil Engineering, submitted

By

AMAR THAPA

Under the supervision

Of

Er. Yashobanta Naik and Er. Doleswari Chhatria



DEPARTMENT OF CIVIL ENGINEERING
GOVERNMENT POLYTECHNIC
BALANGIR, ODISHA
2023-24

CERTIFICATE

This is to certify that the project titled "BITUMINOUS MACADAM
AND SEMI-DENSE BITUMINOUS CONCRETE MIX DESIGN" is the work
done by

AMAR THAPA

BRANCH-CIVIL

6TH SEMESTER

REGD NO.: F21110001004

Diploma student in the Department of Civil Engineering, Govt.
Polytechnic, Bolangir in the academic year of 2021-24, in the partial
fulfillment of the curricular requirements for the award of "Diploma
Civil Engineering" is a Bonafide record of practical work carried out
under my supervision and guidance.

DATE: 30/09/24

Place: Govt polytechnic Bolangir

Er. Yashobanta Naik
Er. Doleswari Chhatra

PERFORMANCE CRITERIA

SL NO.	Performance criteria	Total marks	Marks secured
1.	Selection of project assignment	(5)	4
2.	Planning and execution of consideration	(10)	9
3.	Quality of performance	(10)	9
4.	Providing solution of the problems or production of final product	(10)	8
5.	Sense of responsibility	(5)	4
6.	Self expression/ communication presentation skills	(10)	8
7.	Interpersonal skills/ human relations	(5)	4
8.	Report writing skills	(5)	3
9.	Viva voce	(40)	34
10.	Total marks	100	83

Student signature:- *Amare Thapa*

Regd no. :- F211/0001004

Semester :- 6th

Batch:- 21-24

P. B. Shrestha
External examiner

D. Chhetri
Internal examiner

D. Chhetri
Project Guide

PROJECT REPORT
ON
I LOVE G.P BOLANGIR SIGNAGE

"Submitted in partial fulfillment of the requirements for the diploma

in

CIVIL ENGINEERING"

Submitted by **SIBU SAHU**

REG. NO. L22110001011



DEPARTMENT OF CIVIL ENGINEERING
GOVERNMENT POLYTECHNIC BOLANGIR
LARKIPALI, BOLANGIR (767002), ODISHA (INDIA)
2021-2024

PROJECT REPORT ON I LOVE G.P BOLANGIR SIGNAGE

"Submitted in partial fulfillment of the requirements for the diploma

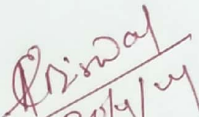
In

CIVIL ENGINEERING"

Submitted by **SIBU SAHU**

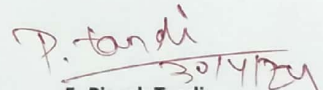
REG.NO.L22110001011

6TH SEM, BATCH: -2021-2024


Er. Abinash Biswal

(HOD of Civil Engineering)

Government Polytechnic, BALANGIR


Er. Piyush Tandi

(Lecture of Civil engineering)

Government Polytechnic, BALANGIR

DEPARTMENT OF CIVIL ENGINEERING

GOVERNMENT POLYTECHNIC BALANGIR

LARKIPALI, BALANGIR (767002), ODISHA (INDIA) 2021-2024

PERFORMANCE CRITERIA

Sl NO.	Performance Criteria	Total Mark (100)	Mark Secured
1	Selection of project assignment	5	5
2	Planning and execution of considerations	10	10
3	Quality of performance	10	10
4	Providing solution of the problem or production of responsibility	10	10
5	Sense of responsibility	5	5
6	Self-expression / communication / Presentation skills	10	10
7	Interpersonal skills / human relation	5	5
8	Report writing skills	5	4
9	Viva voce	40	38
	Total	100	96

Student Signature: - Siba Sahu.

Regd No:- 122110001011

Semester:- 6th

Batch:- 2021-24

P. Tandi
30/4/24
External

Examiner

P. Tandi
30/4/24
Internal

Examiner

P. Tandi
30/4/24
Project

Guide

A PROJECT REPORT
On
“MODEL PREPARATION OF GOVT.
POLYTECHNIC, BALANGIR “



Session: 2023-24

Submitted By
Girija Ballav Khuas
Under The Supervision
Of
Er. Abhinash Biswal
(Hod Of Civil Engineering)

DEPARTMENT OF CIVIL ENGINEERING
GOVERNMENT POLYTECHNIC, BALANGIR
LARKIPALI ,BALANGIR(767001), ODISHA , INDIA

A PROJECT REPORT
On
**"MODEL PREPARATION OF GOVT.
POLYTECHNIC, BALANGIR "**

*Submitted in partial fulfilment of
Diploma in Civil Engineering*

By
INDIVIDUAL

NAME – GIRIJA BALLAV KHUAS

REGD.NO –F2111000415

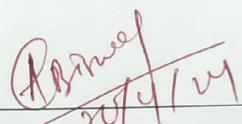
SEMESTER – 6TH

BATCH – 2021 - 2024

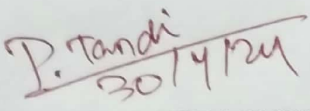
**DEPARTMENT OF CIVIL ENGINEERING
GOVERNMENT POLYTECHNIC, BALANGIR
LARKIPALI BALANGIR(767001), ODISHA , INDIA**

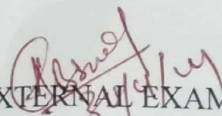
CERTIFICATE

This is to certify that the work in this Project Report entitled "**MODEL PREPARATION OF GOVT. POLYTECHNIC, BALANGIR**" by **GIRIJA BALLAV KHUAS** has been carried out under my supervision in partial fulfilment of the requirements for the Diploma in Civil Engineering during session 2023-24 in **DEPARTMENT OF CIVIL ENGINEERING** of **GOVERNMENT POLYTECHNIC, BALANGIR** and this work is the original work of the above student(s).


Er. Abhinash Biswal
Head of department
(Civil Engineering)
(project guide)

DATE:- 30/4/24
PLACE _____


INTERNAL EXAMINER


EXTERNAL EXAMINER

PERFORMANCE CRITERIA

Sl.NO	Performance criteria	Total mark	Mark secured
1	Selection of project assignment	10	8
2	Planning and execution of considerations	20	16
3	Quality of performance	20	8
4	Providing solution of the problems or production of final project		
5	Sence of responsibility	10	7
6	Self-expression / communication / presentation skill	10	8
7	Inter personal skill / human relation	10	8
8	Report writing skills	10	8
9	Viva voce	20	15
Total		100	78

Student signature - *Girija Ballav Khual*

Regd No - *F2110004015*

Semester - *6th Sem.*

Batch - *2024*

P. Tandi
30/4/24
External Examiner

P. Tandi
30/4/24
Internal Examiner

P. Tandi
30/4/24
Project Guide