Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

Ref: SIET/CV/INT/2022-2023/ 23 Date: 21/08/2022

To,

Mr. Sharath P
Chief Executive Engineer
Buildwick Engineers and Developers
Tumkur 572101

Subject: Permission to carry out internship reg.

Dear sir ,

At the consent, we express our heartfelt thanks for permitting the following student to complete the internship at your esteemed organization.

Sl. No	Name of the Student	USN	Mobile No.	Email
1	Lekhana K S	1SV19CV014	9380163503	lekhulekhana81@gmail.com

In this regard, I am happy to permit the above student to carry out his internship from 21/08/2022 to 10/09/2022 in your esteemed organization & seek your co operation in completing his/her internship successfully.

Thanking you & looking forward to your continuous support.

Yours Lekhana K.S.

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SIET. TUMKUR.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi – 590018

An Internship Report

On

" CONSTRUCTION OF RESIDENTIAL BUILDING "

Submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF ENGINEERING IN CIVIL ENGINEERING

Submitted by:

Ms. LEKHANA K S

(ISVI9CV014)

Internship was carried out at

" M.P CONSTRUCTIONS "

Tumkuru-572106

INTERNAL GUIDE

Ms.NIRANJANI B, B.E,M.Tech.

Assistant Professor

Dept of Civil Engineering

EXTERNAL GUIDE

Mr. M.PRAJWAL,

B.E (CIVIL)A.M.I.E,

M.P Constructions Tumakuru

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PRINCIPAL
Shridevi TUMKUR.

DEPARTMENT OF CIVIL ENGINEERING

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY (An ISO 9001:2015 Certified Institution) TUMKUR – 572106, KARNATAKA (2022-2023)

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An ISO 9001: 2015 Certified Institution) Sira Road, Tumakuru-572106

DEPARTMENT OF CIVIL ENGINEERING

SHRIDEVI FOUNDATION

CERTIFICATE

This is to certify that this internship report of Internship on topic entitled " **CONSTRUCTION OF RESIDENTIAL BUILDING** " has been carried out by **Ms. LEKHANA K S** bearing **USN: 1SV19CV014** in partial fulfillment of the requirements for the award of **Bachelor of Engineering in Civil Engineering** from Visvesvaraya Technological University, Belagavi during the academic year 2022-202. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report. The internship report has been approved as it satisfies the academic requirements in respect of internship topic prescribed for the Bachelor of Engineering.

Signature of Internal Guide

Ms. NIRANJANI B,B E,M.Tech.

Assistant Professor

Dept. of Civil Engineering

Signature of External Guide

Mr. M.P PRAJWAL ,

B.E .,(CIVIL)A.M.I.E

M.P CONSTRUCTIONS , Tumakuru-572106

Signature of HOD

Dr. G. MAHESH KUMAR.

Professor & Head of Department

Dept. of Civil Engineering

Signature of Principal

Dr. NARENDRA VISWANATH.

Principal

SIET, Tumakuru

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External Viva Voce:

Name of the Examiners **Signature with date**

1) Manjula H.N 22/5/23

2) S.N Fathima

Abstract

India Is a Developing Country Which Has Given More Importance For Improving The

Infrastructure In The Entire Nation. As A Result, The Cities Are Becoming More Developed with

Complete Infrastructure Facilities Such As Improvement In Transportation, Metro Railways, Etc

M.P CONSTRUCTIONS behind TVS showroom mahalakshmi layout channarayapatna Hassan 573116 , KARNATAKA, INDIA. Our business role is based on providing Civil works related services to the Engineer Disciplines. Based on the requirement of our customers we explore the challenges in works to satisfy their needs. There is a great need for civil Construction based industries at present to deal with our services, In addition to these Services. We work not only for the profit but also for the smiles the highest price we can get. We work for the ultimate satisfaction of the customers through engineering services. Under our company we are supporting for the outsourced civil drawing from both materials and construction. Based on their requirement some correction and modifications will be done in the corresponding works. For civil projects starting from the Scheme plan to the final Interior design we are providing the models based on customer.

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M. PRAJWAL,
B.E., (Civil) A.M.I.E.
Consulting Engineer & Contractor
Consult for : Building Construction, Planning, Estimation, Supervison, 3D Elevation, Valuation & Layout

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Behind TVS Showroom,
Mahalakshmi Lay-out
CHANNARAYAPATNA-573116
Hassan Dist

Ref. No.

Date :.....

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **LEKHAN K.S** (ISV19CV014) of B.E., Civil Engineering student of **SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY**, Tumkur, has successfully completed internship on (Date: 22/08/2022- 17/09/2022) "**Construction of Residential Building**" at **M.P CONSTRUCTIONS**, Tumkur. During the period of his internship programme with us he was found punctual, hardworking and inquisitive.

We wish him all the best for future endeavors.

Thanking you

M. PRAJWAL
B.E.,(Civil)M.Tech.,(CAD-Str).,A.M.I.E.,
Consulting Engineer & Contractor
Behind TVS Showroom Mahalakshmi Lay-out
CHANNARAYAPATNA-573116, Hassan Dt.
Ph: 8217493659, 6362903008

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6.4. Excavation

Excavation work on the site was being done by the JCB Machines and excavated soil was transferred using dumpers. Excavation work on the site was being done by the JCB machines and excavated soil was transferred using dumpers. The sizes of the excavation are 5ft length, 5ft width and 5ft depth.

Fig 9.excavation

6.5. Foundation

The structure can be divided into super structure and substructure. Foundation is also known as substructure. It is transfer the loads safely in the ground.

Types of Footing:

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6.4.1. Stepped footing:

The main purpose of using stepped footing is to keep the metal columns away from direct contact with soil to save them from corrosive effect. They are used to carry the load of columns and transmit this load to the below the ground.

6.4.2. Shallow footing:

a) Isolated Spread Footing: This is the most common and simplest type of foundation as this is the most economical type of foundation. They are generally used for ordinary buildings (Generally up to five stories).

Isolated footing type consists of footing at the base of the column. This type of foundations is independent footings. Usually, each column has its own footing. The footing directly transfers the loads form the column to the soil. The footings may be rectangular, square or circular in shape. The size of the footing can be roughly calculated by dividing the total load at the column base by the allowable bearing capacity of the soil.

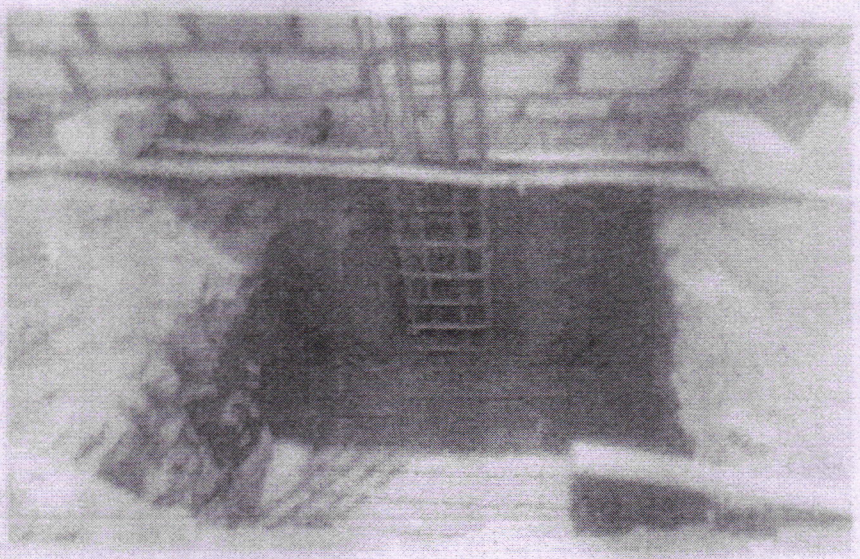

Fig .10 Eccentric footing

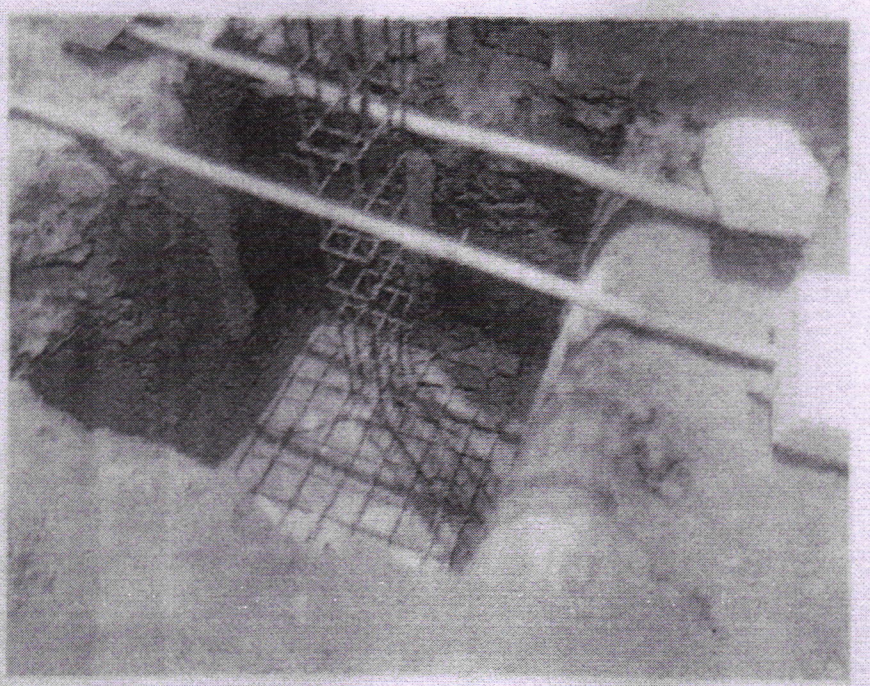

Fig 11. pad footing

6.5. Concreting

After shuttering and scaffolding concreting should be done.

During concreting following equipment's are used-

- Concrete mixer.
- Mounted concrete pump.
- Concrete vibrators (e.g. Needle vibrator, plate/ surface vibrator etc.).

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