

FINAL REPORT OF INDUSTRIAL TRAINING

**Submitted in fulfilment of the requirements for
Six Month Industrial Training At
Testing & Consultancy Cell,
G.N.D.E.C., Ludhiana.**



Submitted by:

Sandeep Kaur

Civil Engineering (2010-2014)

100370180685

CE 100152

Email: dhaliwalsandeep91@gmail.com

***GURU NANAK DEV ENGINEERING COLLEGE
(AN AUTONOMOUS COLLEGE UNDER U.G.C. ACT)***

GILL ROAD, LUDHIANA – 141006.

ACKNOWLEDGEMENT

The author is highly grateful to Dr. M.S.Saini, Principal, Guru Nanak Dev Engineering College (GNDEC), Ludhiana, for providing this opportunity to carry out the six month industrial training at

TESTING & CONSULTANCY CELL.

The constant guidance and encouragement received from Er.K.S.Mann, Dean T&P, GNDEC Ludhiana has been of great help in carrying out the project work is acknowledged with reverential thanks.

The author would like to express a deep sense of gratitude and thanks profusely to Dr.H.S.Rai Dean of Testing & Consultancy Cell, without whose wise counsel and able guidance, it would have been impossible to complete the report in this manner.

The author express gratitude to other faculty members of Civil Engineering Department of GNDEC

for their intellectual support throughout the course of this work.

Finally, the author is indebted to all whosoever have contributed in anyway in completion of this report work

Sandeep Kaur

Table of Contents

Chapter – 1- About the organization.....	
1.1- Introduction.....	1
1.2- Various major clients of the consultancy cell.....	2
1.3- Facilities available.....	3
1.4- detail of technical staff.....	
Chapter – 2 – Planing/Methodology for the training.....	7
Chapter – 3 – Testing.....	8
3.1- Standard Penetration Test.....	
3.2 - Material testing	
Chapter – 4 - Surveying.....	50
4.1- Details of project.....	51
Chapter -5- Estimation.....	54
Chapter- 6- Structural Designing.....	60
Chapter- 7-	
Conclusion.....	70