

Department : Civil

Year : 2012-2013

Group No: 13

Guided By

**MR.YOGESH.B.  
PATEL**

## **SMT. S. R. PATEL ENGINEERING COLLEGE, UNJHA**

### **Project Title**

### **INDUSTRIAL DEFINED PROJECT DESIGN OF REINFORCED EARTH RETAINING WALL**

#### **Abstract:**

Chapter1 content the summary of report and introduction of reinforced earth retaining wall.chapter 2 content the component of reinforced earth retaining wall the main component to construct reinforced earth retaining wall are geogrid,panel(or block),etc....chapter 3 content the construction methodology that how to construct the reinforced earth discrete panel wall chapter 4 content sampling and testing of fill material and soil .chapter 5 content design of reinforced earth retaining wall. Traditionally the reliability of retaining walls is achieved through the use of safety factors of margins and adopting conservative assumption in the process of design,that is,by ascertaining that a minimum supply condition will remain adequate under a maximum demand condition.However that is often defined on the basis of subjective judgements.such a traditional design methods are difficult to quantify and lack the logical basis of describing uncertainty. Especially,reinforced walls consider not only soil properties but soil reinforcement interaction uncertainties.there has been much emphasis recently the use of probabilistic method in the geotechnical engineering. In the most effective applications of probabilistics method are in involving relative probabilities of failure or illuminating the effect of uncertainties in the parameter. This thesis described how probabilities description os soil parameters and soil reinforcement interection parameter were applied to the stability analysis

#### **Prepared By:**

<b>Sr. No.</b>	<b>Student Name</b>	<b>Enrollment No</b>
1	SATHAVARA DHAVAL AMBALAL	90784106405
2	PATEL SURYAKANT DINESHBHAI	90784106403
3	PANCHAL CHIRAG JITENDRABHAI	90784106406
4	MAKWANA SANJAYKUMAR VINODBHAI	90780106062

