

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)
L.B.REDDY NAGAR, MYLAVARAM-521 230, A.P, INDIA
DEPARTMENT OF CIVIL ENGINEERING

SURVEYING LAB

Objectives:

- The course teaches the basic principles of surveying, various methods of linear and angular measuring instruments through hands-on practice sessions and enable the students to use surveying equipments.
- The course allows the student to gain practical exposure in taking angular measurements, horizontal distances and vertical heights of objects by using advanced surveying equipment.

Area of the Lab: 128.46 sq.m

Details of the Equipment:

S.No	Name of the Equipment	Quantity
1	Total Station	04
2	Theodolite	10
3	Auto Level	10
4	Tilting Level	02
5	Dumpy Level	04
6	Plane Table	08
7	Abney Level	02
8	Prismatic Compass	10
9	Surveyors Compass	02
10	Trough Compass	02
11	Clinometer Compass	02
12	Optical Square	03
13	Box Sextant	02
14	Planimeter	02
15	Arrows	180
16	Measuring Chains (20m)	09
17	Measuring Chains (30m)	11
18	Metallic Tape (15m)	10
19	Metallic Tape (30m)	10
20	Ranging Rods (2m)	20
21	Ranging Rods (3m)	10
22	Leveling Staff (4m)	03
23	Wooden Cross Staff	10
24	Electrical distance meter	02

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Lab Cost:

S. No	Academic Year	Expenditure During This Year (Rs)	Total Expenditure (Rs)
1	2021-22	13,593	18,12,929
2	2019-20	5,84,100	17,99,336
3	2016-17	21,420	12,15,236
4	2014-15	7,00,000	11,93,816
5	2013-14	4,93,816	4,93,816

Centre Incharge:

Mr. J.Rangaiah , Assoc. Professor, Dept. of CE

Supporting Staff:

Mr.S.V.Narayana Reddy , Lab Asst , Dept. of CE



Fig.1 Survey Lab Entrance



Fig.2. List of Equipments



Fig.3 Experiment on Total Station



Fig.4 Experiment on Auto Level