



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad - 500 043

Civil Engineering

Laboratory Equipment - Surveying Laboratory

This laboratory provides all equipment required to measure the quantities and elevations. The configuration of hardware and software used are detailed as follows:

1. **Chain and tape:** 30m tapes and 30m chains to measure distances
2. **Compass:** To measure the angles and bearings.
3. **Level:** To measure the elevation of points.
4. **Laboratory Equipment:**

S. No	Item	Make	Quantity	Cost per Unit (Rs.)	Total Cost (Rs.)
1	Pentax Total Station	Lawrence & Mayo	2	2,50,000	5,00,000
2	Digital Theodolite	Lawrence & Mayo	1	44,692	44,692
3	Vernier Theodolite	Lawrence & Mayo	2	18,000	36,000
4	Plane Table Set With Stand	Arvind Engineering Co	11	3,050	33,550
5	Vernier Theodolite	Lawrence & Mayo	3	9,577	28,730
6	Vernier Theodolite	Arvind	2	13,702	27,405
7	Vernier Theodolite	Arvind Engineering Co	3	12,605	37,815
8	Dumpy Level With Aluminium Stand	Lawrence & Mayo	6	4,277	25,666
9	Dumpy Level With Aluminium Stand	Arvind Engineering Co	5	4,300	22,575
10	Prismatic Compass With Tripod	Lawrence & Mayo	17	1,100	18,700
11	Auto Level	Lawrence & Mayo	2	5,107	10,215

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