

**DHANEKULA INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**LIST OF EQUIPMENT**

**Metrology & Instrumentation Lab**

S.NO	Name Of The Equipment/Make/Model No	Qty	Unit Price	Total Cost
1	Vernier calipers, Size-150 mm	1	2500	2375
2	Vernier calipers, Size-200 mm	4	3000	11400
3	Vernier calipers, Size-300 mm	1	6375	6056
4	Vernier depth gauge, Size-300 mm	1	8850	8407
5	Vernier height gauge, Size:12"/300 mm	1	17050	16197
6	Outside Micrometer, Size:0-25 mm	1	2000	1900
7	Outside Micrometer, Size:25-50 mm	1	2535	2408
8	Outside Micrometer, Size: 50-75 mm	1	2950	2802
9	Inside Micrometer, Size: 5-25 mm	1	10000	9500
10	Gear tooth vernier Calliper	1	5500	5225
11	Gear tooth micrometer, Size:0-25 mm	1	6225	5913
12	Dial gauge, Range:10 mm	6	1690	9633
13	Dial gauge, Range:1 mm	2	3500	6650
14	Level type dial test indicator, L.C-0.01 mm	1	3850	3657
15	Depth Micrometer, Size:0-150 mm	1	6435	6048
16	Bore Gauge, Size:18-35 mm	1 set	8375	7956
17	Bore Gauge, Size:35-60 mm	1	8625	8193
18	Bevel Protractor	1	13300	12635
19	Sine Bar, Size:200 mm	1	4200	3990
20	Spirit level, Size:150 mm	1	7500	7125
21	Spirit level, Size:200 mm	2	8500	16150
22	Spirit level, Size:300 mm	1	10000	9500
23	Screw thread Micrometer, Size:0-25 mm	1	14030	13328
24	Slip Gauge	1	9800	9310
25	Slip Gauge	2	1950	11115
26	Magnetic Base, Model; 7011S	6	3000	5400
27	Magnetic Base, IMB-106	2	1400	1330
28	Micrometer Stand	1	9800	18620
29	Sine Bar, Size:100 mm	1	2500	2375
30	Thread Measuring 3 wire set, Size:0-250 mm	1	2500	2375
31	Temperature Characteristic trainer	1	16675	14882
32	Temperature Calibration Trainer, RTDPT100	1	21275	18988
33	Temperature Calibration Trainer, T/C 3 Type	1	21275	14882
34	Dead Weight tester	1	41975	37463
35	LVDT Trainer	1	22655	20220
36	Strain Gauge Trainer	1	21275	18988
37	Speed Measurement using Magnetic pick up	1	33925	30278
38	Rota meter calibration trainer	1	32300	28828
39	Angular displacement measurement by capacitive pick up	1	18400	16422
<b>Total Equipment Cost</b>				<b>434244</b>

**Costliest equipment in the Lab: Dead Weight Tester**