

LIST OF EQUIPMENTS AVAILABLE IN VARIOUS DEPARTMENTS

SCHOOL OF CIVIL ENGINEERING

STRENGTH OF MATERIALS LABORATORY

Total Investment : Rs.869416.00

S.No.	Name of the Equipments	Qty	Cost Rs.	Date of Purchase
1.	Impact Testing Machine	1	29,979.00	17.02.89
2.	Brinell's Hardness Testing Machine	1	25,187.00	20.02.89
3.	Rockwell Hardness Testing Machine	1	6,130.00	20.02.89
4.	Universal Testing Machine	1	200,700.00	25.02.89
5.	Compression Testing Machine	1	43,560.00	08.03.89
6.	Spring Testing Machines	1	21,780.00	08.03.89
7.	Universal Wood Testing Machine	1	23,760.00	08.03.89
8.	Screw Gauge	2	1,555.00	27.05.89
9.	Fatigue Testing Machine	1	22,950.00	13.03.90
10.	Extensometer	2	33,720.00	22.03.90
11.	Rod Torsion Testing Machine	1	82,725.00	27.05.90
12.	Tensile Testing Machine	1	31,284.00	07.07.90
13.	Scale (1 ft.)	7	154.00	16.03.92
14.	Bench vice	1	337.00	15.10.92
15.	Dial Gauge	14	56,960.00	03.12.93
16.	Vernier Caliper	4	3,248.00	03.12.93
17.	Tensometer	1	74,828.00	05.01.94
18.	Scale (1m)	7	884.00	03.12.94
19.	Magnetic Base	12	16,065.00	30.11.01
20.	<i>Wire Torsion Testing machine</i>	1	54,022.00	28.03.03
21.	Digital Vibration Indicator & Accelerometer	1	72,088.00	06.06.2005
22.	Electronic Platform Balance	1	13,312.00	19.03.2007
23.	Push & Pull Jack	1	13,800.00	18.02.2008
24.	Digital Strain Indicator	1	40,388.00	13.06.2009
	Total Cost		869416.00	

CONCRETE AND HIGHWAY LABORATORY

Total Investment: Rs. 443,405.00

S.No.	Name of the Equipments	Qty	Cost Rs.	Date of Purchase
1.	Platform Balance	2	6,500.00	23.10.89
2.	Aggregate crushing testing apparatus	1	1,800.00	09.12.89
3.	Compressometer	1	4,2000.00	09.12.89
4.	Cube mould 15x15x15cm	26	18,246.00	09.12.89
5.	Lechatlier's Apparatus	2	250.00	09.12.89
6.	Set of sieves (Brass and GI)	49	9,881.00	09.12.89
7.	Slump Test Apparatus	3	2,970.00	09.12.89
8.	Vicat's needle Apparatus	3	1,800.00	09.12.89
9.	Semi-Self Indicating Balance	1	7,100.00	17.02.90
10.	Aggregate Impact Testing Machine	1	1,790.00	13.03.90
11.	Compaction Factor Apparatus	1	1,950.00	13.03.90
12.	Deval's Attrition Testing Machine	1	9,990.00	13.03.90
13.	Ductility Test Apparatus	1	23,100.00	13.10.92
14.	Ring and Ball Apparatus	1	3,520.00	13.10.92
15.	Standard Penetrometer	1	7,480.00	13.10.92
16.	Tar Viscometer	1	8,097.00	28.10.92
17.	Cylindrical measures	1 Set	2,090.00	10.03.93
18.	Pycnometer (3 Nos.)	3	435.00	10.03.93
19.	Blain's Air Permeability Meter	1	2,010.00	19.02.94
20.	Dory's Abrasion Testing Machine	1	39,124.00	18.03.94
21.	Cylindrical mould	2	3,663.00	22.10.98
22.	Std. Grout Pump	1	2,730.00	26.03.99
23.	Mason Wheel Barrow	1	1,575.00	04.02.00
24.	Needle Vibrator	1	10,500.00	04.02.00
25.	Concrete Mixer Machine	1	7,613.00	23.02.00
26.	Concrete Beam mould	10	24,420.00	02.01.01
27.	Cube mould 10x10x10cm	9	11,538.00	02.01.01
28.	Cube moulds 7x 7 x 7 cm	13	5,415.00	02.01.01
29.	Cylindrical mould	14	20,436.00	02.01.01
30.	Flow Table Apparatus	1	46,659.00	14.12.01
31.	Air Entrainment Meter	1	11,121.00	24.09.02
32.	Concrete Penetrometer	1	5,153.00	24.09.02
33.	Concrete Permeability Apparatus	1	63,063.00	24.09.02
34.	Length Comparator	1	20,079.00	24.09.02
35.	Capping Set vertical	1	5,628.00	19.02.03
36.	Marshall Stability Apparatus	1	30,000.00	28.03.03

37.	Almil Consistometer	1	21,479.00	30.07.04
	Total		443,405.00	

STRUCTURAL ENGINEERING LABORATORY

Total Investment: Rs 1,334,707.00

S.No.	Name of the Equipments	Qty	Cost Rs.	Date of Purchase
1.	Loading Frame (50T)	1	200,000.00	1995-97
2.	Proving Ring (100 T)	1	18,109.00	19.02.94
3.	Hydraulic Jack	1	6,200.00	03.10.94
4.	Calibration Jig	1	3,500.00	15.01.97
5.	Displacement meter	1	4,800.00	15.01.97
6.	Displacement Transducers	2	3,400.00	15.01.97
7.	Strain Gauge tool Kit	1	2,850.00	15.01.97
8.	Strain Indicator	1	12,650.00	15.01.97
9.	Carrier frequency Amplifier	2	17,000.00	06.03.97
10.	Compression load cell	1	13,400.00	06.03.97
11.	Tensile load cell	1	10,850.00	06.03.97
12.	Pre Stressing Equipment	1	33,654.00	26.03.99
13.	Compression Proving Ring (50 T)	1	22,574.00	16.11.99
14.	Demountable Mechanical Strain Gauge (100mm)	1	15,950.00	16.11.99
15.	Demountable Mechanical Strain Gauge (150mm)	1	15,950.00	16.11.99
16.	Impact test apparatus (for concrete specimens)	1	3,000.00	25.11.99
17.	Ultrasonic Concrete Tester	1	108,138.00	31.01.00
18.	Hand Operated Hydraulic Jack with Hand Pump (100KN; 250KN; 500KN)	3	106,442.00	17.01.01
19.	Chain Pulley Block	1	3,024.00	16.03.02
20.	Electrical Table Vibrator	1	66,562.00	30.09.02
21.	Rebound Hammer	1	6,500.00	06.03.04
22.	UTM 100T (TUE C-1000) (Computerized)	1	660,154.00	24.11.04
	Total		1,334,707.00	

HYDRAULICS LABORATORY

Total Investment : Rs. 696,000.00

S.No.	Name of the Equipments	Qty	Amount in Rs.	Date of Purchase
1.	Bernoulli's Apparatus	1	10,125.00	12.06.87
2.	Francis Turbine	1	59,970.00	12.06.87
3.	Gear Oil Pump	1	14,278.00	12.06.87
4.	Minor Losses Apparatus (changing in section)	1	19,470.00	12.06.87
5.	Monobloc Centrifugal Pump set	1	12,201.00	12.06.87
6.	Multistage Centrifugal Pump set	1	30,893.00	12.06.87
7.	Notch Tank Apparatus	1	19,470.00	12.06.87
8.	Orifice meter Apparatus	1	12,331.00	12.06.87
9.	Orifice Mouthpiece Apparatus	1	23,105.00	12.06.87
10.	Pelton Turbine	1	56,439.00	12.06.87
11.	Pipe Friction Apparatus	1	18,432.00	12.06.87
12.	Pitot Tube	1	2,700.00	12.06.87
13.	Reciprocating Pump	1	16,355.00	12.06.87
14.	SingleStage Centrifugal Pump Set	1	16,597.00	12.06.87
15.	Venturimeter Apparatus	1	12,331.00	12.06.87
16.	Kaplan Turbine	1	87,592.00	09.09.87
17.	Jet Pump	1	16,448.00	26.10.95
18.	Submersible Pump	1	31,748.00	26.10.95
19.	Impact of Jet on Vanes Apparatus	1	34,290.00	11.05.99
20.	Minor Losses Apparatus(Changing in direction.)	1	16,000.00	16.10.00
21.	Meta centric Height Apparatus	1	14,000.00	12.02.01
22.	Reynolds Apparatus	1	24,000.00	12.02.01
23.	Turbine Pump	1	59,975.00	22.02.02
24.	Rotameter	1	22,800.00	25.02.03
25.	Rain Gauge	1	7,500.00	07.04.04
26.	Turbo Impulse Turbine Apparatus	1	56,950.00	05.10.04
		Total	696,000.00	

ENVIRONMENTAL ENGINEERING LABORATORY.

Total Investment : Rs. 996,950.00

S.No.	Name of the Equipments	Qty	Amount in Rs.	Date of Purchase
1.	Clinical Centerifuge	2	2,540.00	23.09.89
2.	Dessicator	2	2,448.00	23.09.89
3.	pH Meter	1	3,311.00	14.10.89
4.	Electric Hot Air oven	1	4,505.00	17.10.89

5.	Heating Mantle	1	958.00	27.10.89
6.	Jar test Apparatus	1	8,187.00	27.10.89
7.	Hot Plate	2	936.00	04.11.89
8.	Muffle Furnace	1	25,300.00	18.11.89
9.	B.O.D.Incubator	1	23,456.00	21.12.89
10.	Rectangular Water Bath	2	3,372.00	27.12.89
11.	Bacteriological Incubator	1	7,027.00	30.12.89
12.	Stabilizer	1	1,690.00	12.01.90
13.	Turbidity meter	1	5,419.00	13.02.90
14.	Water Testing Kit	1	13,035.00	22.09.92
15.	Water Quality Analyser	1	42,491.00	08.03.02
16.	Variable volume micro pipette	4	28,113.00	23.10.02
17.	Digital Sound level meter	1	5,939.00	02.11.02
18.	Electronic Balance	1	60,478.00	13.02.03
19.	BOD Trak apparatus	1	125,000.00	24.03.03
20.	COD Reactor	1	75,000.00	24.03.03
21.	UV/Visible Spectrophotometer	1	448,240.00	24.03.03
22.	Quartz bi-distillation unit	1	62,560.00	12.06.03
23.	Ammonium Nitrogen Distillation Apparatus	1	1,200.00	21.08.03
24.	Refrigerator	1	8,900.00	28.09.04
25.	Colony Counter	1	9,600.00	02.12.04
26.	Auto Clave	1	27,245.00	30.12.05
	Total Cost		996,950.00	

SOIL MECHANICS LABORATORY

Total Investment : Rs. 309,125.00

S.No.	Name of the Equipments	Qty	Amount in Rs.	Date of Purchase
1.	Moisture Balance	1	3,289.00	19.09.88
2.	Pycnometer	1	540.00	19.09.88
3.	Universal Triaxial Testing m/c	1	101,801.00	21.12.88
4.	California Bearing Ratio Apparatus	1	9,750.00	30.12.88
5.	Consolidation Apparatus	1	19,000.00	30.12.88
6.	Direct Shear Apparatus	1	13,750.00	30.12.88
7.	Hot Air Oven	1	3,500.00	30.12.88
8.	Liquid Limit Device	1	1,800.00	30.12.88
9.	Procter Compaction Apparatus	1	1,100.00	30.12.88
10.	Proving Rings (10,000 Kg)	1	3,000.00	30.12.88
11.	Proving Rings (100 Kg)	1	1,810.00	30.12.88
12.	Proving Rings (1000 Kg)	1	2,000.00	30.12.88

13.	Proving Rings (5000 Kg)	1	2,400.00	30.12.88
14.	Sand pouring cylinder (large)	1	1,800.00	30.12.88
15.	Sand Pouring Cylinder (small)	1	490.00	30.12.88
16.	Shrinkage Limit Apparatus	1	470.00	30.12.88
17.	Unconfined Compression Apparatus	1	6,500.00	30.12.88
18.	Universal Permeameter	1	7,970.00	30.12.88
19.	Biscuit Balance	1	950.00	25.10.89
20.	Laboratory Vane shear Appartus	1	3,470.00	26.10.89
21.	Set of Sieves	1	9,180.00	30.12.89
22.	Sieve Shaker	1	5,250.00	30.12.89
23.	Automatic Compaction Machine	1	9,940.00	25.05.90
24.	Relative Density Apparatus	1	13,890.00	25.05.90
25.	Cone Penetrometer	1	10,080.00	02.01.95
26.	Proving Ring (200 Kg)	1	7,500.00	02.01.95
27.	Proving Ring (1000 Kg)	1	7,500.00	02.01.95
28.	Dynamic Cone Penetration Apparatus	1	30,867.00	29.11.01
29.	Electronic Top Pan Balance	1	20,000.00	18.03.03
30.	Hydrometer	2	1,832.00	05.07.04
31.	Procter Compaction Apparatus	1	3,120.00	26.07.04
32.	Shrinkage Limit Apparatus	2	4,576.00	26.07.04
	Total Cost		309,125.00	

SURVEYING LABORATORY

Total Investment : Rs. 1,374,319.00

S.No.	Name of the Equipments	Qty	Amount in Rs.	Date of Purchase
1.	Planimeter	1	211.00	30.09.87
2.	Ranging Rods	29	1,896.00	30.09.87
3.	Cross - Staff	6	660.00	30.10.87
4.	Levelling Staff	15	5,250.00	30.10.87
5.	Plane Table with all Accessories	15	14,700.00	30.10.87
6.	Prismatic Compass	13	6,370.00	30.10.87
7.	Theodolite	16	97,600.00	30.10.87
8.	30 m Chain	15	5,400.00	30.10.87
9.	Dumpy Levels	16	23,600.00	30.03.88
10.	Optical Square	3	450.00	27.05.88
11.	Substane Bars (2 metres)	1	600.00	13.09.88
12.	Subtense Bars (3 metres)	2	1,400.00	15.09.88

13.	Nautical Sextant	1	1,720.00	17.08.94
14.	Prismatic Compass	15	18,000.00	06.12.01
15.	Arrows	75	900.00	22.02.02
16.	Theodolite	4	54,600.00	12.03.03
17.	Global positioning systems with Accessories structures	1	679,742.00	19.02.04
18.	Set 230R Reflectorless total station	1	390,605.00	19.02.04
19.	Planimeter	7	12,012.00	06.03.04
20.	Optical Square	3	1,092.00	06.03.04
21.	Nautical Sextant	1	6,760.00	06.03.04
22.	Substane Bars (2 metres)	1	5,096.00	06.03.04
23.	Cross Staff	4	1,422.00	13.08.04
24.	Nautical Sextant	3	10,972.00	13.08.04
25.	Survey Umbrella (2 m)	2	2,560.00	13.08.04
26.	Substane Bars (3 metres)	3	9,144.00	13.08.04
27.	Levelling Staff (Aluminium – 4 mts)	8	8,940.00	13.08.04
28.	Chain 20 m	6	3,170.00	13.08.04
29.	Chain 30 m	6	3,901.00	13.08.04
30.	Pocket Stereoscope	2	1,042.00	03.02.05
31.	'LYNX" cup counter anemometer	1	4,504.00	13.12.05
Total			1,374,319.00	

School of Mechanical Sciences

SPECIAL MACHINES LAB

Total Investment: Rs. 15,99,741.00

Sl. No.	Name of the equipment	Qty.	Amount in Rs.	Date of Purchase
1	Shaping Machine	2	92,078.00	14.02.90
2	Slotting Machine	1	37,039.00	14.02.90
3	Turret Lathe	1	1,29,780.00	21.01.90
4	Hobbing machine	1	3,82,200.00	12.10.93
5	Milling machine	1	2,69,267.00	26.12.89
6	Copying lathe	1	40,114.00	09.12.89
7	Drilling Machine	1	10,000.00	10.11.89
8	Surface Grinding machine	1	20,000.00	10.11.89
9	Bench Grinder	1	2,200.00	07.11.91

10	Radial drilling	1	36,108.00	23.05.94
11	Cylindrical grinding machine	1	1,29,286.00	09.08.94
12	Hydraulic tracer	1	40,113.00	09.12.89
13	Pillar type drilling machine	1	10,000.00	05.06.89
14	Rotatry table	1	11,912.00	03.02.92
15	MILLING Tool Dynamometer	1	21,775.00	11.01.90
16	Direction control Valve	1	1,700.00	25.03.94
17	Tool & Cutter grinder	1	62,790.00	26.03.96
18	Air compressor with motors	1	3,800.00	03.09.91
19	Vernier calipers 6 (local)	6	4,586.00	21.11.91
20	Vernier calipers 6 (mituto)	1	900.00	23.04.90
21	Combination gauge	1set	2,400.00	04.05.90
22	Drill vice	1	135.00	12/4/90
23	Milling machine vice 125 mm	1	1,635.00	12.02.90
24	Bench vice	2	1,223.00	18.10.93
25	Drilling vice	1	235.00	18.01.94
26	Shaper	1	1,39,000.00	10.01.98
27	Power press	1	80,000.00	10.12.99
28	Tool Dynamometer	1	35,465.00	24.10.92
29	Temperature measurement device & milling tool dynamometer	1	34,000.00	7.10.98
30	KISTLER Multi Component Dynamometer	1	18,00.00	27.11.07
Total			15,99,741.00	

THERMAL ENGINEERING LAB

Total Investment: **Rs. 2,207,495.00**

Sl. No.	Name of the equipment	Qty.	Amount in Rs.	Date of Purchase
1	Penskey Marten flash point apparatus	1	5,400.00	04.01.92
2	Orsat flue gas analysis apparatus	2	11,150.00	03.01.92

3	Cut section of actual two stroke petrol engine	1	5,900.00	20.12.91
4	Cut section of actual four stroke petrol engine	1	5,900.00	20.12.91
5	Cut section of actual four stroke diesel engine	1	6,900.00	20.12.91
6	Temperature Calibrator	1	9,240.00	19.11.91
7	Parallel flow / counter flow heat exchanger	1	10,500.00	13.05.92
8	Bomb Calorimeter	1	11,550.00	24.07.91
9	Emissivity apparatus	1	13,200.00	13.05.92
10	Ambassdor petro engine coupled with Kirloskar make 7.5KVA three phase alternator	1	14,500.00	30.01.91
11	Dead weight vacuum gauge tester	1	19,000.00	19.03.92
12	Air Compressor test rig 10 KSC/3HP/2 cylinder/ 2 stage with swinging field dynamometer	1	23,000.00	02.01.89
13	Dead weight pressure gauge tester	1	23,520.00	26.11.91
14	Blower test rig	1	25,000.00	02.01.89
15	Mechanical heat pump	1	29,500.00	08.01.90
16	Refrigeration cycle test rig	1	27,500.00	08.01.90
17	A/C cycle test rig	1	48,500.00	08.01.90
18	Natural Convention Apparatus	1	19,400.00	24.02.98
19	Forced Convention apparatus	1	20,360.00	24.02.98
20	Composite wall apparatus	1	18,200.00	24.02.98
21	Four stroke/water cooled petrol engine with hydraulic dynamometer	1	52,350.00	02.01.89
22	4 stroke, 2 cylinder 10 HP vertical diesel engine	1	52,350.00	27.04.89
23	4 stroke, single cylinder 5.5 HP horizontal diesel engine-Ruston type	1	62,850.00	27.04.89
24	Non IBR oil fired Boiler fitted with electronic fuel burner	1	1,95,895.00	28.03.00
25	Computerised IC engine testing rig	1	6,14,360.00	09.03.00

26	Flue gas analyzer	1	3,48,480.00	16.09.99
27	Separating and throttling calorimeter	1	20,800.00	01.07.00
28	Thermal conductivity apparatus (for insulating powder)	1	17,560.00	24.02.98
29	Thermal conductivity apparatus (Guarded hot plate method)	1	21,400.00	30.09.94
30	Pin fin apparatus	1	14,000.00	13.05.92
31	2 stroke petrol engine	1	34,950.00	16.02.94
32	Diesel Smoke Meter	1	2,26,720.00	2/04/04
33	Single cylinder Diesel Engine (Bi-Fuel Engine)	1	1,87,560.00	30/3/04
34	Model Car	1	10,000.00	26/3/04
Total			2,207,495.00	

METALLURGY

Total Investment: **Rs. 2,20,877.00**

Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
1	Belt grinder	1	5,500.00	19.09.95
2	Permeability meter	1	7,200.00	17.03.91
3	Universal strength testing machine	1	7,200.00	17.03.91
4	Sand rammer	1	8,000.00	17.03.91
5	Sieve shaker	1	8,300.00	17.03.91
6	Electronic top pan balancer	1	13,572.00	18.11.96
7	Twin disc polisher	1	14,000.00	19.09.95
8	Trinocular metallurgy Microscope	2	34,000.00	19.09.95
9	Cut off wheel machine	1	23,690.00	19.09.95
10	Inverted Metallurgy Microscope	1	28,000.00	19.09.95
11	Digital heat treatment furnace	1	15,312.00	08.09.91
12	Jomney end Quench Apparatus	1	16,800.00	14.03.99
13	Poldi Hardness Tester	1	2139.00	15/04/03
14	Surface Plate (Granite)	1	12,480.00	6/3/04

15	Shore Hardness Tester	1	2,184.00	5/3/04
16	Hand Polishing S. S. Stand	1	3000.00	28/10/04
17	Specimen Mounting Press	1	9,500.00	28/10/04
18	Moisture Content test equipment	1	6,000.00	21/10/04
19	Vernier Height Gauge	1	4,000.00	21/10/04
	Total		2,20,877.00	

DYNAMICS LAB

Total Investment: Rs. 4,13,351.00

Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
1	Generation of involute gear tooth profile apparatus	1	5,500.00	04.11.92
2	Strain gauge indicator apparatus	1	9,015.00	05.11.92
3	Static and dynamic balancing machine	1	10,170.00	04.11.92
4	Motorized gyroscope	1	12,995.00	04.11.92
5	Universal governor apparatus	1	14,875.00	24.10.92
6	Cam Analysis machine	1	14,885.00	04.11.92
7	Lathe tool dynamometer	1	17,125.00	24.10.92
8	Whirling of shaft-study set up	1	17,325.00	24.10.92
9	Drill Tool Dynamometer	1	17,625.00	24.10.92
10	Grinding tool dynamometer	1	17,625.00	05.11.92
11	Accelerometer & Vibration meter	1	20,770.00	04.12.95
12	Journal bearing apparatus	1	30,330.00	24.12.92
13	Vibration laboratory apparatus	1	42,665.00	24.12.92
14	Rotor balancing machine	1	79,911.00	04.10.97
15	Milling Tool dynamo meter	1	26,672.00	07.10.98
16	Tool Temp. Measurement apparatus	1	7,963.00	07.10.98
17	Universal Joint Single & Double	1	4,500	21/09/04
18	Stotch Yoke Mechanism	1	6,500	21/09/04
19	Enlarged Gear Model	1	6,000	21/09/04

20	Epicycle Gear Model	1	2,800	21/09/04
21	Differential	1	6,000	21/09/04
22	Turn Table	1	22,000	21/09/04
23	Stroboscope	1	16,500	20/10/04
24	Slider Crank, Crank Rocker Mechanism	1	3,600	20/10/04
Total		Rs.	4,13,351.00	

FLUID POWER CONTROL LAB

Total Investment: **Rs. 4,73,366.50**

Sl. No.	Name of the equipment	Qty.	Amount in Rs.	Date of Purchase
1	PLC Pneumatic training kit	(2 Set)	2,97,497.50	28/8/03
2	Fluid sim3- 7PI Software	(1 Set)	36,663.00	28/8/03
3	D. S. TP101 – End Didactic	(1 Set)	1,07,206.00	28/8/03
4	Pentium 4 Computer	1	32,000.00	30/12/03
Total			4,73,366.50	

METROLOGY

TOTAL INVESTMENT: RS. 5,29,598.00

Sl. No.	Name of the equipment	Qty.	Amount in Rs.	Date of Purchase
1	Digital micrometer	2	11,600.00	27.8.97
2	Gear tooth vernier caliper	1	6,400.00	04.08.94
3	Bevel protractor	1	9,500.00	04.08.94
4	Pneumatic comparator	1	20,000.00	22.03.92
5	Floating carriage thread measuring set up	1	34,000.00	22.03.92
6	Autocollimator	1	36,000.00	22.10.98
7	Profile projector screen size 12x 12 magnification 10x20x50	1	85,861.00	01.05.96

8	Surface plate	1	50,500.00	17.04.98
9	Electronic Comparator	1	34,069.20	05.06.2001
10	Bore dial gauge	1	9,048.00	12.09.2001
11	Gear Tester	1	78,142.00	12.09.2001
12	Digital Vernier Caliper	2	12,200.00	25.03.98
13	Gear Tooth Micro Meter	1	4,200.00	04.08.94
14	Bench Centre	1	5,650.00	17.01.91
15	Vernior Height gauge	1	5,800.00	22.03.91
16	Slip gauge set	6	49,200.00	27.08.97
17	Sine centre	1	6,400.00	22.03.92
18	Sine bar	2	6,400.00	22.03.92
19	Vernior Depth gauge	1	3,200.00	27.03.91
20	Micrometer (inside)	1	3,200.00	26.02.91
21	Surface plate (Gramite – Small size)	3	5,077.80	23.02.94
22	Micrometer outside	2	3060.00	5/03/04
23	Vernier Caliper	2	2,550.00	5/03/04
24	Gear Tooth Vernier Caliper	1	75,000.00	6/11/04
25	Optical Comparator	1	3,952.00	6/03/04
26	Precision Spirit Level	1	5,500.00	5/03/04
27	Thread Plug Gauge	5	11,088.00	5/03/04
28	Plug Gauge and Sharp Gauge	1	7,500.00	6/11/04
29	Depth Micrometer	1	12,000.00	6/11/04
Total			5,29,598.00	

THERMAL SCIENCES LAB

Total Investment: Rs. 10,63,617.00

Sl. No.	Name of the equipment	Qty.	Amount in Rs.	Date of Purchase
1	Calibration Bath (Dry Block)	1	58,500.00	20/8/02
2	Carbon residue apparatus	1	1,800.00	29/4/03
3	Thermocouple bead making machine	1	45,000.00	6/9/02
4	Digital temperature Indicator	1	46,750.00	6/9/02
5	Non contact IR Thermo meter 0-300o C	1	7,000.00	6/9/02
6	Backmann thermo meter	1	15,500.00	15/7/02
7	Non contact Temperature measurement device	1	51,000.00	29/8/02
8	Lux Meter	1	10,800.00	27/3/03
9	Load Manager	1	1,55,000.00	21/3/03
10	IR Heating Panel	1	29,600.00	24/7/03
11	Pressure transducers	5	36,500.00	17/3/03
12	Digital Micro Voltmeter	1	8033.00	29/7/03
13	Digital Micro Voltmeter	1	8033.00	26/11/03
14	Single pan Electrically operated balance	1	9000.00	3/9/03
15	Refrigerator with V. Guard Stabilizer	1	6722.00	30/9/03
16	Pitot tube	1	5892.00	13/10/03
17	Digital sound level meter	1	10,604.00	13/10/03
18.	Air Compressor	1	26,267.00	21/10/03
19	D. C. Regulated Single variable power supply	1	5631.00	26/11/03
20	Data Acquisition system	1	1,91,400.00	28/11/03
21	Dew point thermo Hygrometer	1	13,390.00	22/11/03
22	P.H Tester	1	4800.00	19/12/03
23	3- Fluid Refrigeration system	1	10150.00	20/03/03

24.	Compact heat less air drier	1	22,750.00	19/12/03
25	Smart Gas flow meter	1	7280.00	7/10/03
26.	KM 2000 High temperature Instrument	1	64,000.00	5/01/04
27.	Precision Pyranometer	1	22,000.00	26/2/04
28.	Automobile Air Conditioning Systems	1	20,000.00	24/5/04
29.	IR Heating Panel	1	14,800.00	19/12/04
30	Solar Concentrator	1	14,400.00	1/10/04
31	Rotometer (Low & Low)	2	2,300.00	19/10/04
32	Digital Micrometer	2	14,980.00	18/11/04
33.	Single Phase Auto Transformer	1	4,535.00	3/12/04
34.	Micro Welder	1	69,550.00	19/5/04
35.	Computer, 80GB, 512 RAM, 17" Color monitor	1	39,000.00	10/12/04
36.	Digital Pressure Indicator	1	10,650.00	8/11/04
Total			10,63,617.00	

CARPENTRY SHOP

Total Investment: Rs. 21,161.00

Sl. No.	Name of the equipment	Qty.	Amount in Rs.	Date of Purchase
1.	Grinding Machine	1	1,800.00	29.11.86
2.	Work Table	9	15,000.00	22.10.86
3.	Tools Almirah	1	4,361.00	28.10.93
Total			21,161.00	

SHEET METAL SHOP

Total Investment: Rs. 13,656.00

Sl. No.	Name of the equipment	Qty.	Amount in Rs.	Date of Purchase
1.	Hand shearing 12	1	1,200.00	24.07.96
2.	Circular cutting machine	1	12,456.00	25.03.97
Total			13,656.00	

SMITHY SHOP

Total Investment: Rs. 45,000.00

Sl. No.	Name of the equipment	Qty.	Amount in Rs.	Date of Purchase
1.	Anvil	4	4,000.00	15.05.90
2.	Furnace	8	40,000.00	15.05.90
3.	Single phase motor	1	1,000.00	15.05.90
Total			45,000.00	

WELDING SHOP

Total Investment: Rs. 1,71,528.00

Sl. No.	Name of the equipment	Qty.	Amount in Rs.	Date of Purchase
1.	Arc Welding machine	5	29,000.00	24.07.87
2.	Tig Welding machine	1	1,00,000.00	29.01.96
3.	Acetylene Generator	1	2,545.00	07.10.87
4.	Flexible shaft grinder	1	2,578.00	24.07.87
5.	Grinding machine	1	1,750.00	11.10.90
6.	Pedestal Fan	2	7,950.00	01.02.94
7.	Oxygen cylinder	1	5,000.00	15.10.97
8.	Acetylene cylinder	1	4,500.00	15.10.97
9.	Argon cylinder	1	5,000.00	15.10.97
10.	Argon Regulator	1	1,350.00	11.03.98
11.	Spot welding machine	1	11,855.00	22.01.91
Total			1,71,528.00	

FITTING SHOP

Total Investment: Rs. 30,045.00

Sl. No.	Name of the equipment	Qty.	Amount in Rs.	Date of Purchase
1.	Drilling Machine	1	11,644.00	01.03.94
2.	Portable Drilling Machine	1	4,585.00	09.07.96
3.	Surface plate	4	7,427.00	23.01.95
4.	Vernier caliper	3	6,389.00	20.02.95
Total			30,045.00	

FOUNDRY SHOP

Total Investment: Rs. 1,81,261.00

Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
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1.	Moulding Table	8	12,000.00	05.01.87
2.	Electrical non ferrous metal melting furnace	1	1,18,094.00	11.03.91
3.	I.S.A. Oil fired pit type furnace	1	46,167.00	04.07.91
4.	Work Table	5	5000.00	05.10.87
Total			1,81,261.00	

LATHE SHOP

Total Investment: Rs. 9,52,948.00

Sl. No.	Name of the equipment	Qty.	Amount in Rs.	Date of Purchase
1.	Chucks 6mm x 8mm	15	16,690.00	09.02.89
2.	Abbai Cone pulley lathe	1	25,000.00	22.08.97
3.	170 c2 Deluxe lathe	1	50,569.00	22.04.88
4.	170 GI Deluxe lathe	7	3,71,543.00	29.03.88
5.	200 G2 Deluxe lathe	1	63,125.00	29.03.88
6.	Turnomax 1730 lathe	1	72,539.00	18.04.88
7.	Turnomax 2030 lathe	1	73,987.00	18.04.88
8.	170 G, lathe	1	80,035.00	07.07.94
9.	275C2 lathe	1	86,795.00	22.04.88
10	Turn master 35 lathe	1	1,12,665.00	05.12.94
Total			9,52,948.00	

NON-TRADITIONAL MACHINING LAB

Total Investment: Rs. 8,58,545.00

Sl. No.	Name of the equipment	Qty.	Amount in Rs.	Date of Purchase
1	Spark Erosion Machine	1	3,04,720.00	18.01.02
2.	Ultrasonic Drilling/Embossing Machine	1	3,95,200.00	28.03.02
3.	High Pressure water jet	1	1,58,625.00	27.04.02
Total			8,58,545.00	

CAM LAB

Total Investment: Rs.58,65,014.23

Si. No	Name of the Equipment	Qty	Amount in Rs.	Date
1	CNC trainer lathe	1	2,02,685.00	10.08.90
2	CNC Vertical Machining Center (with all accessories)	1	18,98,400.00	31.12.02
3	Electronic controlled voltage stabilizer (15 KVA)	1	29,276.00	30.01.03
4	Electronic controlled voltage stabilizer (20 KVA)	1	31,528.00	30.01.03
5	Air compressor	1	27,333.00	21.02.03
6	CNC turning center (with all accessories)	1	15,85,437.00	28.02.03
7	Collets chucks	9	12,849.00	30.04.03

8	Spring collets	1	1,677.00	13.05.03
9	Crystal brand parallel blocks	2	6,114.00	13.05.03
10	CNC tool holder	15	80,637.00	21.05.03
11	Collets chuck holder & wrench	17	28,730.00	07.07.03
12	Angle fixed milling vice	1	11,282.00	16.07.03
13	Tool trolley	1	13,005.00	21.08.03
14	CNC net single channel software	1	17,536.00	20.12.03
15	Air cooler	1	59,915.23	12.03.04
16	CNC milling machine (XL MILL ATC)	1	7,04,027.00	09.04.05
17	HP Compaq computer	1	29,750.00	25.05.05
18	FANUC Robot (LR mate 100IB)	1	8,99,694.00	07.04.05
19	Work space Robot simulation software	1	1,35,000.00	15.06.05
20	CAM lab – Furniture and other accessories (Almirah, Chairs, Computer tables, Etc..)	47	90,139.00	
Total			58,65,014.23	

CAD LAB

Total Investment: **Rs. 65, 33, 000.00**

Si. No	Name of the Equipment	Qty	Amount in Rs.	Date
1	HP Design Jet 350 C – Plotter	1	1,00,000.00	06.01.98
2	Auto CAD Mechanical Desktop 6	1	49,500.00	12.07.99
3	Auto CAD 2000 Upgrade	5	2,07,000.00	12.07.99
4	IDEAS 9	1	1,30,000.00	05.08.00
5	CATIA V5 R7	1	50,000.00	08.09.00
6	Virtual NC	1	1,53,000.00	18.10.00
7	Pro E 2000 i ²	1	3,00,000.00	04.12.00
8	Pro E Wildfire Upgrade (server License)	35	6,50,000.00	15.03.01
9	Pro Mechnica (inbuilt with ProE Wildfire)	35	14, 29, 000	10.02.06
10	Ansys 8.1	15	1,17,500.00	06.11.01
11	AutoCAD 2002	30	12,00,000.00	16.01.02
12	UniGraphics V15	1	1,00,000.00	15.03.02
13	Fluent 6.2	20	1,85,000.00	20.08.02
14	AutoDesk Inventor Series 5.0	1	40,000.00	07.11.02
15	Dynamic Designer	1	40,000.00	07.11.02
16	HP P4/256 MB RAM 40 GB Hard Disk	33	10,56,000.00	30.12.03
17	HP system upgrade to 17' monitor	33	7,26,000.00	22.08.05
Total			65, 33, 00.00	

VIBRATION LABTotal Investment: **Rs. 11,50,000.00**

S. No.	Name of the equipment	Qty	Amount in Rs.	Date of purchase
1.	Vibration Shaker with power amplifier	1	3.38,000	27/4/06
2.	FFT Analyser (Pimento Hardware & software)	1	7,12,000	27/4/06
		Total	11, 50, 000	

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ELECTRONICS LAB

Total Investment : 1669093.41

Sl.No	Name of the equipment	Qty.	Amount	Date of
				Purchase
1	DC voltmeter	20	9000.00	23.06.87
	(0-300)V (MC), (0-150)V (MC), (0-30)V (MC)			
	(0-10) V (MC), (0-1) V (MC)			
2	DC (Moving coil) ammeter (0-300)MA, (0-100)MA, (0-500)MA,	11	6244.53	23.06.87
	(0-1) A, (0-10)A			
3	AC milli voltmeter (Aplab model 5002)	10	24500.00	24.07.87
4	Multifunction oscillators (model VFO-13)	2	6000.00	25.07.87
5	Decade Resistance Box (6 Dials)	4	4400.00	09.09.87
6	Ammeter (0-250)mA(mc)	16	7200.00	23.10.87
	(0-50)mA(mc), (0-1)mA (mc)			
7	DC voltmeter	5	2250.00	23.06.87
	(0-300)V (MC), (0-150)V (MC), (0-30)V (MC)			
	(0-10) V (MC), (0-1) V (MC)			
8	DC (Moving coil) ammeter (0-300)MA, (0-100)MA, (0-500)MA,	3	1350.00	23.06.87
	(0-2) A, (0-10)A			
9	Motwane Aro meter (ultimeter)	1	3600.00	09.09.87
10	Decade capacitance box (5 dials)	5	6750.00	09.09.87
11	Ammeter (0-250)mA(mc)	4	1800.00	23.10.87
	(0-50)mA(mc), (0-1)mA (mc)			
12	DC Ammeter	5	2250.00	23.04.88
	(0-500)mA, (0-1)A			
13	DC Ammeter	12	5400.00	23.04.88
	(0-500)mA, (0-1)A			
14	L + T Gould 03300, 20MHz dual trace CRO	1	12775.00	17.05.88
15	Agronic make digital frequency meter	1	4200.00	31.03.89
	(model 821 HHz to 10 MHz)			
16	HIL 2100-3 ½ digit autoranging digital multimeter	2	3577.00	11.07.89
17	DC voltmeters (MECO make),	10	3937.50	24.12.89
	(0-1 volt) moving coil, (0-10 volt) moving coil,			
	(0-30 volt) moving coil			
18	DC voltmeters (MECO make),	26	10237.50	24.12.89
	(0-2 volt) moving coil, (0-10 volt) moving			

	coil,			
	(0-30 volt) moving coil			

19	Systems make decade resistance box 3 dial model 501, Range: 1 ohm-999 ohms in steps of 1 ohm	2	1720.00	26.09.90
20	Systems make decade resistance box 3 dial model 501, Range: 1 ohm-999 ohms in steps of 1 ohm	4	4200.00	26.09.90
21	Voltmeters (analog desk type) 0-3V DC, 0-300V DC, 0-30V DC, 0-10V DC, 0-IV DC, 0-1000V DC + external resistance	7	2423.00	04.03.91
22	Systems made decade inductance box, model: 301 3 dial	8	8400.00	25.03.91
23	Ammeters (Analog desk type) (0-100 mA DC, 0-500 uA DC, 0-10 mA DC)	4	805.00	04.03.91
24	Voltmeters (analog desk type) 0-3V DC, 0-300V DC, 0-30V DC, 0-10V DC, 0-IV DC, 0-1000V DC + external resistance	15	3826.60	04.03.91
25	Systems make decade capacitance box, model: 401 4 dial	3	4575.00	25.03.91
26	Oscilloscope-20 MHz	1	16200.00	12.02.94
27	Oscilloscope-10 MHz,	10	135000.00	18.02.94
28	Oscilloscope-20 MHz	2	32400.00	12.02.94
29	Power supply regulated (0-30, 2A)	10	86500.00	28.03.94
30	Function generator	3	11814.00	08.03.97
31	Servo stabilizer	1	9750.00	08.01.98
32	Audio Oscillator	1	5580.00	24.01.99
33	Digital IC trainer	1	7547.00	30.09.99
34	"U-TEK" make 07 dial Decade Inductance Box	2	5500.00	19.02.01
35	Multimeter 3 ½ Micro Model 108	1	1080.00	19.02.01
36	Audio Oscillator, Make: 'Pacific'	1	3456.00	19.02.01
37	IC Trainer Kit, Make: Vi Micro	3	16500.00	03.07.01
38	Audio Oscillator – Make: Lab Tech	2	9044.00	02.11.01
39	Decode Inductance Box	5	12540.00	02.11.01
40	C.R.O. (Dual Trice) – Make: Scientific	2	33250.00	02.11.01
41	Voltmeter – Make: Oxford			
	0 – 1V	10	3325.00	02.11.01
	0 – 30V	10	3325.00	
	0 – 10 V	10	3325.00	
42	Digital Storage Oscilloscope – Tecktronix	1	66466.00	19.11.01

	Make			
43	R.P.S. 5V, 1A	5	4250.00	20.11.01
45	SCR Characteristics	2	4080.00	
46	Triac Characteristics	1	2040.00	
46	Diac Characteristics	1	2040.00	

47	D.C. Ammeter – Make: OM make.			
	0 – 50 mA	10	4050.00	11.12.01
	0 – 500 mA	7	2835.00	
	0-10 mA	8	3240.00	
48	RPS 15.0.15/1A – Make: ADROIT	3	8748.00	11.12.01
49	RPS Variable (Single) (0-30V/2A)Make: ADROIT	5	24494.00	
50	Digital Multimeter – Make: MASTEK	1	1512.00	11.12.01
51	Digital Multimeter – Make – MASTEK	5	7650.00	16.12.02
52	Dual Trace C.R.O – Make: Scientific	5	88112.00	06.03.02
53	Function Generator – APLAB Make	4	26982.00	22.08.03
54	C.R.O. – Make: Scientific	2	40012.00	23.08.03
55	BEEMET make Educational DESK meter (0-10MA)	5	2377.00	05.01.99
56	Mighty make Digital IC trainer	1	7547.00	30.01.99
57	Aplab-Autocompute digital LCR-Q meter model:4910	1	12082.00	02.07.99
58	I.C. Tester – Make: TESTEL	1	20776.00	08.01.03
59	(15-0-15) 1 AMP Power supply	5	26784.00	06.03.04
60	(5-0-5) 1 AMP Power Supply	5	11308.00	06.03.04
61	CRO 30 MHZ	2	40012.00	11.03.04
62	12-0-12/1A RPS (Mighty make)	1	2831.00	21.11.05
63	Digital Multimeter MY64, MY67	2	4162.00	21.11.05
64	Function Generator 2 MHz (Aplab make)	2	246650.00	01.12.05
65	Ammeters (0-500 ma), (0-10ma)	5 + 5	5001.60	17.05.06
66	IMHz Digital Function Generator (Scientech)	3	22976.00	14.07.06
67	Ammeters (0-50 ma)	10	22976.00	14.07.06
	(0-100 MA)	10		
	(0-500 μ A)	10		
68	Digital Multimeter (Mastech)	4	8244.00	20.07.06
69	CRO 30 MHz (Scientific)	2	37720.00	09.08.06
70	IMHz Digital Function Generator (Scientech)	3	21252.00	06.09.06
71	Digital Multimeter (Mastech)	2	23549.00	27.09.06
72	Inductance Box (ADD)	5		

73	Resistance Box (ADD)	3		
74	CRO 30 MHz (Scientific)	2	37022.00	17.10.06
75	1MHz Digital Function Generator (Aplab)	1	7561.00	24.10.06
76	(0-3-V/ZA) Dual variable power supply (Digital) (Mighty)	4	40464.00	30.10.06
77	3MHz Digital Function Generator (Aplab)	4	43154.00	30.10.06
78	Resistance box (ADD)	1	1965.00	06.11.06
79	Inductance Box (ADD)	1	2500.00	06.11.06
80	+ 12V Fixed RPS (Gaark)	5	20058.00	10.11.06
81	Inductance Box (Gaark)	2	5251.68	20.11.06
82	2 MHz Digital Function Generator (Scientech)	1	7807.00	28.11.06
83	Resistance Box (ADD)	1	2100.00	27.09.06
84	ammeter - 0-50Ma	15	20665.00	14.11.2006
	0-100 ma			
	0-500 micro amp			
	voltmeter	30		
	0-1 v			
	0-10 v			
	0-30 v			
85	3MHz function generator	3	33830.00	11.9.2007
86	beemet 0-50 ma	5	10597.00	5.9.07
87	25 mhz cro	3	52244.00	18.7.2007
88	0-30 v rps	5	43559.00	31.10.07
TOTAL			1669093.41	

INTEGRATED CIRCUITS LAB

TOTAL INVESTMENT:1116478.50

Sl. No.	Name of the equipment	Qty.	Amount	Date of
				Purchase
1	Digital IC tester	1	5314.00	03.01.89
2	+5V Power Supply 'Efficient' Make	4	2760.00	16.02.89
3	+5V Power Supply "Gurukulam" Make	5	3519.00	16.02.89
4	+15V Power Supply 'Efficient'	5	3500.00	16.02.89
5	CRO Philips make	1	10822.00	02.03.89
6	CRO HM – 312	1	11198.60	05.05.89
7	± 12 Linear power supply	5	3700.00	24.01.89
8	Ammeter / Volt meter	2	400.80	26.09.90
9	CRO, Hil make	4	42800.00	26.09.90
10	Digital ultimeter/counter	1	14400.00	24.10.90

11	CRO "Aplab" Make	3	58509.00	09.10.96
12	Audio Generator – Aplab Make	4	23628.00	12.12.96
13	CRO "Aplab" Make	1	17450.00	02.07.99
14	Audio Generator – Aplab Make	1	10275.00	01.09.99
15	Multimeter – Mastech Make	1	979.00	01.09.99
16	CRO "Aplab" Make	1	17463.00	16.11.99
17	CRO Mtech Oscilloscope	2	35770.00	19.02.01
18	Analog Audio Generator	1	8428.00	30.03.01
19	Power Line conditioner – Craftsman Make	1	13540.00	14.03.91
20	Digital IC Trainers, Vi Micro System	20	110000.00	21.07.01
21	1 MHZ Digital Function Generator	2	16120.00	22.02.02
22	Digital Multimeter 'MASTECH' Make (Big)	2	2161.00	13.10.03

23	Digital Multimeter 'MASTECH' Make (Small)	4	1111.00	22.10.03
24	Inductance Box ESB Micro Systems	3	5850.00	28.11.03
25	Function Generator (Aplab Make)	3	20236.00	13.10.03
26	CRO "Scientific"	2	40013.00	22.10.03
27	Power Supply ($\pm 15V$ Hi-Tech)	3	4845.00	22.10.03
28	CRO (Scientific) 30MHZ	5	91436.00	07.01.04
29	Dual Variable Power supply (0-30 volt)	3	48643.00	07.01.05
30	Function Generator (2MHZ)	3	39378.00	07.01.05
31	Dual Variable Power Supply (0-30 volt)	2	23808.00	21.11.05
32	Digital Multimeter (Model: MY67)	4	7678.00	21.11.05
33	Digital Trainer Kit	3	11879.00	05.12.05
34	2MHz-Function generator Aplab	2	31315.00	05.12.05
35	CRO- Scientific 30 MHz	1	18860.00	09.08.06
36	CRO- Scientific 30 MHz	2	37022.00	17.10.06
37	2 MHz – Function generator Aplab	2	21234.00	02.09.06
38	3 MHz – Function generator Aplab	3	32366.00	30.10.06
39	Ammeter (0-50 MA) HITECH	5	2445.00	06.07.06
40	Ammeter (0-10 MA) – HITECH	5	2445.00	06.07.06
41	Ammeter (0-500 μA)- HI TECH	5	2445.00	06.07.06
42	Voltmeter (0-IV) – HI TECH	5	2445.00	06.07.06
43	Voltmeter (0-10V) – HITECH	5	2445.00	06.07.06
44	Voltmeter (0-30 V) – HITECH	5	2445.00	06.07.06
45	Power Supply (15V, 1A) – VI Micro Systems Pvt. Ltd.	3	14739.00	13.03.06
46	Dual Power Supply (0-30V, 3A) Scientific mas Pvt. Ltd.	1	7815.00	20.06.06
47	Dual variable power supply (0-30V, 2A) Mighty Electronics	1	10116.00	24.10.06

48	Dual variable power supply (0-30v,2a) Mighty Electronics	5	50580.00	24.10.06
49	Power Supply (15V,2A) Gurudev Engg.	5	9750.00	31.10.06
50	Power Supply (12V,2A) Gurudev Engg.	4	7800.00	31.10.06
51	Digital Multimeter (Model : MY68)	7	14188.00	24.10.06
52	Stabilizer – 5KVA (Full Fill Systems)	1	8700.00	10.01.06
53	Digital IC Tester – HITECH	1	20611.00	06.07.06
54	Ammeter (0-50ma) – Mighty	5	2700.00	16.03.07
55	Ammeter (0-10ma) – Mighty	5	2700.00	16.03.07
56	Ammeter (0- 500ua) – Mighty	5	3200.00	16.03.07
57	Voltmeter (0-1v)	5	2700.00	16.03.07
58	Voltmeter (0-10v)	5	2700.00	16.03.07
59	Voltmeter (0-30v)	5	2700.00	16.03.07
60	CRO (Systronics) 30Mhz	3	52244.00	08.08.07
61	Voltmeter (0-1v) HI-TECH	5	3605.60	10.10.07
62	Voltmeter (0-10v) HI-TECH	5	3605.60	10.10.07
63	Voltmeter (0-30v) HI-TECH	5	3605.60	10.10.07
64	Ammeter (0-10ma) HI-TECH	5	3605.60	10.10.07
65	Ammeter (0-10ma) HI-TECH	5	3605.60	10.10.07
66	Ammeter (0-10ma) HI-TECH	5	3605.60	10.10.07
67	Power Supply (5v)	8	18520.50	10.10.07
TOTAL			1116478.50	

COMMUNICATION LAB

Total Investment : 2040498.08

Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
1	Audio power meter	2	3700.00	20.04.87
2	BPL colour TV	1	12000.00	05.10.89
3	BPL VCR (Model No. NHR-110, SVL-93695523)	1	14000.00	05.10.89
4	Videocon CTV(model 208A, 51 cms, PAL/SECAM/NTSC, SVL No. 002301)	1	12750.00	05.10.89
5	Decade condenser box	8	7960.00	10.10.89
6	Decade inductance box-4, dials, Model No.5391	5	21500.00	16.09.89
7	Decade resistance box	17	28900.00	15.11.89
8	Scientific Oscilloscope,(Model HM203, DC 20 MHz bandwidth)	4	43000.00	19.11.89
9	Audio generator (Mro Tek make), Model AG222	4	9350.00	30.12.89

10	Linear IC power supply +15V/1A	6	4500.00	03.01.90
11	Regulated DC power supply (0-30V/2A)	4	7900.00	10.04.90
12	L & T gould 1425/T 125, 20 MHz digital storage Oscilloscope, Comm. software	1	81300.00	15.03.90
13	Radar RF signal generator	10	52250.00	31.03.90
14	Sound level meter (noise level meter), range 70 dB to 110 dB in 5 steps, accuracy +1 dB	2	8000.00	01.09.90
15	a. RF mixer stage of radio receiver kit	1	540.00	19.06.90
	b. IF amplifier stage of radio receiver kit p1p	1	593.00	
	c. AM detector & all of radio receiver	1	475.00	
	d. Audio amplifier kit	1	580.00	
16	MECO make digital multimeter 3 1/2 digit display with capacitance check, logic probe inputs, frequency counter, peak reading hold	1	1900.00	11.11.91

17	50 MHz Oscilloscope BPL make	1	31000.00	07.11.90
18	TV demonstrator kit (Black & white)	1	6900.00	17.11.90
19	Phase locked loop, IC 565(SS), S.No. 26040	1	1800.00	31.01.91
20	Function generator MRO teck make	4	11800.00	26.09.91
21	Lab Electronic make IF amplifier kit	1	1150.00	11.10.91
22	Decade inductance box 5 dials	3	3450.00	11.10.91
23	Decade capacitance box 5 dials	5	9750.00	21.11.91
24	Amplifier (SSA-100, Ahuja S.No. 172117)	1	4291.00	17.03.92
25	Ahuja microphone (SHM 1000 XLR)	1	2008.00	17.03.92
26	Ahuja Microphone (SHM metal)	1	1918.00	17.03.92
27	TV vision IF sub system board	1	1000.00	20.08.92
28	Sound IF train board	1	1000.00	20.08.92
29	TV horizontal Oscillator sub system training board	1	1000.00	20.08.92
30	TV Hor. O/P stage & EHT voltage generator training board	1	2125.00	20.08.92
31	TV vertical sweep oscillator sub system training board	1	1000.00	20.08.92
32	50 cms picture tube training board	1	1930.00	20.08.92
33	Regulated power supply	1	1245.00	20.08.92
34	Efficient make colour TV demonstrator kit	1	19500.00	20.08.92
35	Colour TV pattern generator (testron) model cp-100	1	3700.00	20.08.92

36	Shanathi make PSI sequence indicator	1	425.00	20.08.92
37	Diz AF AMP using TBA 810	2	1880.00	20.08.92
38	Phase detection & measurement using PLL	1	1325.00	20.08.92
39	India PAL colour pattern generator	1	3250.00	14.10.92
40	Kuruganti computer make LVDT transducer, instrumentation amplifier, sine generator & power supply	1	6375.00	22.10.92
41	Sanwa make B & W pattern generator	1	1430.00	26.10.92
42	Varactor diode characteristics and testing methods kit	1	940.00	16.11.92
43	Aplab \pm 15V linear IC power supply	5	18000.00	29.03.94
44	Kuruganti computers make LVDT calibration jig in a platform with micrometer to measure displacement in milli meter	1	3280.00	15.07.94
45	Aplab preset power supply \pm 5V/2A	5	22500.00	31.07.94
46	25MHz dual trace oscilloscope - Aplab make	2	35460.00	09.10.96
47	1 MHz function Generator	3	16110.00	12.12.96
48	Simplified spectrum analyser	1	5205.00	28.02.98
49	Instrumentation trainer kit	1	16848.00	28.02.98
50	Phase deduction & measurement kit	1	1242.00	28.02.98
51	Pulse code modulation & De. Mod. kit	1	10368.00	28.02.98
52	Amplitude modulation Kit	1	1242.00	28.02.98
53	Frequency modulation & De. Mod. kit	1	1242.00	28.02.98
54	Phase modulation kit	1	1566.00	28.02.98
55	Balanced modulator kit	1	1566.00	28.02.98
56	Function generator - 200 KHz	1	4802.00	20.10.99
57	Dual trace Oscilloscope	2	37597.00	04.11.99
58	Ahuja make 75W Amplifier with Ahuja Mic	1	6865.00	08.02.01
59	Whetstone Bridge, Maxwells Bridge, Schering Bridge (1 No. each)	3	6408.00	19.02.01
60	EPABX Tutor Kit	1	27560.00	29.03.01
61	Digital Communication Lab Trainer Kits	4	30160.00	31.03.01
62	Spectrum Analyser	1	94380.00	24.04.01
63	Sound Level Meter	1	6760.00	24.04.01
64	Digital Communication lab trainees DCL-002, DCL-008	1	19760.00	21.01.2002
65	Dual regulated power supply (0-30)V, 5A	3	33096.00	14.02.2002
66	CRO with function generator 20MHZ with 100KHZ, 7G	2	39746.00	14.02.2002
67	Automatic LCRQ bridge	1	14880.00	14.02.2002

68	Audio oscillator range upto 2 MHZ	5	37500.00	07.03.2002
69	C.R.O. 30 MHz	3	63582.84	03.03.2003
70	Digital Communication Lab Trainers ("Scientific" ST2106 & ST2107)	2	32823.00	03.03.2003
71	D.C. Regulated Power Supply \pm 12V/1A	5	6773.00	03.03.2003
72	Function Generator 20 MHz – Aplab Make	4	67060.00	03.11.2003
73	CRO 60 MHz	2	87528.00	17.01.2003
74	Cathode Ray Oscilloscope 60 MHz	3	119570.00	07.12.2004
75	DC Regulated Power supply	5	38285.00	07.01.2005
76	Decade Inductance Box	3	10907.00	20.11.2005
77	Digital COMN Lab Trainers DCLT-005, 6&7	6	68355.00	15.03.2005
78	BLOWER	1	4808.00	05.10.2005
79	CRO 30 MHz	1	18216.24	25.11.2005
80	Function Generator	1	13494.00	25.11.2005
81	Analos Multimeter	1	1459.00	05.12.2005
82	Function Generator	2	26988.00	12.12.2005
83	Function Generator	4	31315.00	25.12.06
84	Multimeter	5	10671.00	14.08.06
85	Audio Generator	4	25060.00	06.09.06
86	D.C. Regulated Dual Powersupply	4	17359.00	06.11.06
87	IC Tester	1	22061.00	06.11.06
88	Digital Storage Oscilloscope (Tektronix)	1	82826.00	18.11.06
89	Decade Inductance Box	3	10764.00	09.10.07
90	Decade Inductance Box	1	3588.00	25.10.07
91	Function generator	4	31740.00	11.10.07
92	CRO 25 Mhz	2	34830.00	31.08.07
93	CRO 25 Mhz	1	17415.00	25.01.08
94	Decade Inductance Box	5	14691.00	29.11.08
95	Function Generator (Digital)	5	36465.00	02.12.08
96	Digital Multimeter	5	7293.00	02.12.08
95	Data Generator	2	5600.00	20.12.08
96	DC Power Supply (0-30/v,2A)	3	18720.00	20.12.08
97	Analog Signal Sampling & Reconstruction Kit	2	12688.00	01.01.08
98	ASK/FSK/PSK Transmitter Trainers	2	21840.00	01.01.08
99	ASK/FSK/PSK Receiver Trainers	2	21840.00	01.01.08
98	Digital Storage Oscilloscope (Scientech)	6	126350.00	05.01.09
TOTAL			2040498.08	

MICROPROCESSOR LAB

Total Investment : 2218141.27

Sl.no	Name of the Equipment	Quantity	Amount Rs:	Date of Purchase
1	PC Keyboard	1	1200.00	24.10.90
2	D/O Extension Board	4	1000.00	24.10.90
3	PC Based 8085 Assembler	1	226.00	24.10.90
4	Microprocessor Development Systems (ESA Make)	1	72000.00	07.11.90
5	8255 Interface Board	2	1960.00	03.10.91
6	Traffic Light	2	1300.00	03.10.91
7	8279, Keyboard Display Board	2	3000.00	03.10.91
8	Stepper Motors	2	3182.00	22.01.92
9	8085 ESA Make Trainer	4	31059.00	15.02.94
10	8085 Microprocessor IEC Make	5	32525.00	08.03.94
11	8086 Microprocessor Dynalog Make	4	41099.00	14.02.95
12	8086 Microprocessor ESA Make	4	39202.24	13.03.95
13	Magna 8031 Kit	1	11970.00	09.04.99
14	Musical Tone Generator	1	712.40	29.07.99
15	Logic Controller Interface	2	1664.16	29.07.99
16	DAC for ADC + Temperature	2	1664.16	29.07.99
17	Dual DAC Interface	2	1664.16	29.07.99
18	5 ¼ Floppy Drive	1	4622.05	29.07.99
19	18 Column Numeric Printer	1	5807.48	29.07.99
20	16 Channel 8 Bit ADC	1	1424.80	29.07.99
21	8 Channel 12 Bit ADC	1	3909.65	29.07.99
22	Calculator Type Keyboard	2	1892.13	29.07.99
23	4 Digit 7 Segment LED Display	2	1664.16	29.07.99
24	DMA Interface	2	2610.23	29.07.99
25	CRT Controller With Keyboard Monitor	2	6633.86	29.07.99
26	Keyboard Display	2	4189.60	02.08.99
27	Printer Interface	2	2904.74	02.08.99
28	S/H and Multiplexer	2	2577.12	02.08.99
29	8051 Microcontroller Family	3	35992.94	26.02.00
30	DC Motor Controller	3	18729.36	26.02.00
31	Stepper Motor Controller	3	8794.65	26.02.00
32	8085 Microprocessor Trainer (Vi Micro)	4	26015.00	26.09.00
33	8086/88 Microprocessor Kits	4	32070.90	05.02.01

34	8051 Microcontroller Family	1	10797.30	05.02.01
35	2 Channel DAC	2	2456.80	05.02.01
36	8 Channel ADC	2	3833.70	05.02.01
37	Basic 85 Trainer Kit	5	30875.00	05.09.01
38	8086/88 Microprocessor Trainer (Vi Micro Make)	12	142800.00	09.11.01
39	8051 Microcontroller Family	10	113488.00	09.11.01
40	8086/88 Microprocessor Trainer	6	71400.00	17.11.01
41	8085 Microprocessor Trainer	10	55484.00	04.12.01
42	Stepper Motor Interface Card	3	8487.02	13.12.01
43	8 Channel ADC Interface Card	3	3948.54	13.12.01
44	2 Channel DAC Interface Card	3	5240.60	13.12.01
45	PICKER II – A Starter Kit with Power Supply	1	9130.00	27.06.02
46	ADC, DAC and Stepper Motor, LCD Display Interface Cards – for PICKER	5	17490.00	16.09.02
47	Digital Multimeter	5	6997.00	16.09.02
48	Solid State Relay	Each 2	27432.00	18.09.02
	8251 x 53 Interface Card			
	EPROM Programmer			
	ADC & DAC			
	Relay Interface Card			
	Solenoid Valve			
	AN-1 40 Pin Extension Board	10		
49	20 MHz Oscilloscope	5	88920.00	18.10.02
50	MC 68000 Microprocessor	1	7283.64	02.08.99
51	UV Eraser	1	2700.00	18.09.02

52	PIC 16F874/877 Microcontroller	5	30525.00	26.04.03
53	LCD Interface Module – for PIC	5	11740.00	26.04.03
54	6 Digit 7 Segment Interface – for PIC	5	5635.00	26.04.03
55	I/O Interface Module – for PIC	5	5635.00	26.04.03
56	Stepper Motor Module – for PIC	5	9860.00	26.04.03
57	General Purpose Interface – PIC	5	5635.00	26.04.03
58	RTD	1	6182.60	08.03.04
59	Thermocouple	1	6394.12	08.03.04
60	AD 590	1	6116.12	08.03.04

61	Thermistor	1	8128.64	08.03.04
62	Digital IC Tester	1	20250.00	13.02.04
63	ATMEL AVR Trainer	2	46254.38	13.03.04
64	Dot Matrix Printer	1	1600.00	14.07.04
65	EPRO Programmer	3	5890.69	10.12.04
66	Keyboard / Display interface	3	7371.98	10.12.04
67	Dual DAC Interface	6	11368.01	10.12.04
68	8 Channel ADC Interface	6	11850.30	10.12.04
69	Printer Interface	3	5408.41	10.12.04
70	8085 Microprocessor	3	18016.57	10.12.04
71	DC Motor Interface	5	31089.00	10.12.04
72	8255 Interface	3	6372.97	10.12.04
73	ADC & DAC Temperature Measurement module	4	10610.14	10.12.04
74	AD590 Transducer	4	3950.00	10.12.04
75	30 MHZ Oscilloscope	2	36574.00	07.12.04
76	Waterbath with Relay position on / off controller	4	25354.00	20.12.04
77	MC 6800 yp kit	2	16500.84	24.02.05
78	Stepper Motor Controller	2	2801.81	24.02.05
79	Stepper Motor	2	3330.02	24.02.05
80	HP Machines, 3GHz, 40GB	2	42700.00	22.08.05
81	Compaq Presario Machine	2	59500.00	25.05.05
82	DIC Microcontroller	2	15900.00	07.12.05
83	ADC	2	2968.00	71.12.05
84	DAC with Buzzer	2	2968.00	07.12.05
85	LCD	2	3816.00	07.12.05
86	7 Segment	2	3816.00	07.12.05
87	Stepper DC Motor	2	8056.00	07.12.05
88	Infrared Transd. X review	2	3816.00	07.12.05
89	RTC with LCD	2	3816.00	07.12.05
90	RS 232 Serial Module	2	3816.00	07.12.05
91	Traffic light	2	2968.00	07.12.05
92	Elevator Simulator	2	2968.00	07.12.05
93	I/O with lead relay	2	3816.00	07.12.05
94	Matrix display	2	8056.00	07.12.05
95	Audio Chip & LCD Module	2	8056.00	07.12.05
96	7.5 KVA Servo Stabilizer	1	16327.00	04.10.06
97	30 MHz Oscilloscope	5	92556.00	17.10.06
98	Digital Multimeter	8	14171.00	17.10.06
99	UV Eraser	1	4689.00	01.12.06

100	8085 Microprocessor	8	32728.80	27.03.07
101	8086 Microprocessor	10	70980.00	27.03.07
102	8031 Microcontroller	8	55036.80	27.03.07
103	8279 Key board display	10	16692.00	27.03.07
104	2 channel DAC	5	6432.40	27.03.07
105	8 channel ADC	5	6708.00	27.03.07
106	8251 & 8253 Interface	5	6120.00	27.03.07
107	8255 Interface	5	7212.40	27.03.07
108	Stepper motor controller	3	2857.80	27.03.07
109	DC Motor Speed measurement	3	3392.94	27.03.07
110	EPROM programmer	5	12671.10	27.03.07
111	ADC/DAC Temp measurement	5	6688.50	27.03.07
112	AD 590 Transducer	5	9008.90	27.03.07
113	Traffic light controller	10	3373.50	27.03.07
114	WaterBath Relay Provision	5	8070.40	20.04.07
115	Keyboard Display Interface	1	2225.60	03.09.07
116	DAC Interface	7	12012.00	03.09.07
117	ADC interface	5	8944.00	03.09.07
118	EPROM Programmer	10	17836.00	03.09.07
119	DC Motor Interface	7	39384.80	03.09.07
120	8251 & 8253 interface	9	12486.24	25.10.07
121	8255 interface	11	17983.90	25.10.07
122	Stepper Motor Controller	7	7549.36	25.10.07
123	Stepper motor 2 kg	7	8939.84	25.10.07
124	ADC/DAC interface	5	10210.20	25.10.07
125	Traffic light controller	15	13260.00	25.10.07
126	Water bath relay Position	5	9282.00	25.10.07
127	AD 590 Transducer	5	3801.20	25.10.07
128	8259 interface	15	24531.00	16.11.07
129	8255 interface	10	16354.00	16.11.07
130	AN-1 40 Pin Extension Board	5	6099.60	16.11.07
131	Water bath relay Position	10	18654.00	08.12.07
132	8051 Microcontroller	4	18720.00	19.11.08
133	8085 microcontroller	5	19760.00	19.11.08
134	8086 microprocessor	4	22880.00	19.11.08
	TOTAL		2218141.27	

MICROWAVE LAB

Total Investment : 1911899.06

Sl.n	Name of the Equipment	Quantit	Amount Rs:	Date of
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o		y		Purchase
1	Variable attenuator	3	6960.00	16.09.89
2	Directional couplers	3	4245.00	16.09.89
3	T-circulator	1	2295.00	16.09.89
4	Y-circulator	1	2295.00	16.09.89
5	Magic tee	1	1310.00	16.09.89
6	Slotted section	2	8610.00	16.09.89
7	Tunable crystal detectors (or) Probe with tuner	3	3930.00	16.09.89
8	Gunn Oscillator (Tunable)	2	11630.00	16.09.89
9	Pin modulator	2	9110.00	16.09.89
10	Frequency meter (indirect reading)	2	2970.00	16.09.89
11	Horns	2	2710.00	16.09.89
12	Matched termination	3	2610.00	16.09.89
13	Movable shorts	3	3120.00	16.09.89
14	Wave guide detector mount	3	4305.00	16.09.89
15	Universal wave guide stand	3	2385.00	16.09.89
16	Coaxial to wave guide adaptor	2	1720.00	16.09.89
17	Isolator	3	9375.00	16.09.89
18	Klystron tube 2k 25 Model	1	6000.00	16.09.89
19	Klystron Mound – XM-251	1	1100.00	16.09.89
20	Hybrid VSWR	1	5980.00	27.02.90
21	Solid state VSWR meter	2	11960.00	22.08.90
22	Klystron Mount	1	1100.00	22.08.90
23	Variable attenuator	1	4650.00	22.10.90
24	Directional coupler	1	2800.00	22.10.90
25	Magic T	2	1300.00	22.10.90
26	Slotted section	2	12900.00	22.10.90
27	PIN modulator	1	9100.00	22.10.90
28	Frequency meter (Indirect reading)	3	1480.00	22.10.90
29	Horns	2	4050.00	22.10.90
30	Matched termination	1	1740.00	22.10.90
31	Movable short	3	2080.00	22.10.90
32	Detector mounts	2	2900.00	22.10.90
33	Universal wave guide stand	2	680.00	22.10.90
34	Coaxial to wave guide adapter	2	1720.00	22.10.90
35	Isolator	2	6600.00	22.10.90
36	Slotted section	2	12900.00	22.10.90
37	Klystron power supply	2	4290.00	22.10.90

38	Klystron power supply	3	4400.00	22.10.90
39	Probe with tuner	1	2600.00	16.09.89
40	Gunn Oscillator (tunable)	1	11600.00	22.10.90
41	T-circulator	1	2300.00	22.10.90
42	Solid state VSWR meter	3	5980.00	22.10.90
43	Gunn oscillator (Tunable)	1	8975.00	22.10.90
44	Variable attenuator	2	3870.00	12.11.91
45	Slotted section	2	6595.00	14.01.92
46	Probe with tuner	1	1895.00	14.01.92
47	PIN modulators	1	5390.00	14.01.92
48	Frequency meter (Indirect Reading)	1	3600.00	14.01.92
49	Horns	2	5400.00	14.01.92
50	Detector mount	1	2610.00	14.01.92
51	Wave Guide stand	10	3750.00	14.01.92
52	Gunn Oscillator (fixed)	2	12880.00	19.04.95
53	PIN modular	1	4650.00	19.04.95
54	E-plane bend	1	1205.00	19.04.95
55	H-plane bend	1	1255.00	19.04.95
56	Wave guide twists	2	2940.00	19.04.95
57	Gunn power supply	2	12830.00	19.04.95
58	Klystron tube	1	9038.00	14.09.99
59	Klystron Mount	1	1975.00	14.09.99
60	Klystron Power Supply	1	14650.00	14.09.99
61	Y-circulator	1	2300.00	22.10.99
62	Gunn Oscillator (tunable)	1	8760.00	17.12.99
63	Frequency meter (direct reading)	1	7220.00	17.12.99
64	Solid state VSWR meter	1	11400.00	14.09.99
65	Mini table fan	2	676.00	04.11.99
66	Mini table fan	2	700.00	11.11.99
67	Klystron power supply	2	29300.00	14.10.00
68	Klystron mount XM-251	2	3950.00	14.10.00
69	Klystron tube 2k-25	2	18076.00	14.10.00
70	Isolator XI-621	1	3265.00	14.10.00
71	Directional coupler (multihol-10db) XK-610	1	3805.00	14.10.00
72	Sliding termination XM-400	1	2025.00	14.10.00
73	Phase shifter XS-301	1	3940.00	14.10.00
74	Fiber Optic Trainer Kit (Fiber Link – A)	1	37800.00	19.11.2001
75	Gunn Oscillator	1	8760.00	29.01.2002
76	Klystron Tube (2 x 25)	1	9038.00	29.01.2002

77	Klystron Mount	1	1975.00	29.01.2002
78	Frequency Meter x F 710	1	7220.00	29.01.2002
79	VSWR Meter, SW 115	1	10340.00	29.01.2002
80	Detector Mount	1	2672.75	29.01.2002
81	Radiation Pattern – XTB-105	1	8500.00	29.01.2002
82	Gunn Power supply	1	5483.00	19.03.2002
83	Pin Modulator	1	4026.00	19.03.2002
84	Slotted section	1	5300.00	19.03.2002
85	30 MHZ Cathode Ray Oscilloscope	2	42308.00	25.09.2002
86	Fiber Optic Trainer Kit (Fiber Link – B)	2	91705.00	18.11.2002
87	Klystron Tube with Mount XM251	1	11013.00	22.02.2003
88	Klystron Power Supply – SKPS-610	1	14850.00	22.02.2003
89	Gunn Oscillator – XG11	1	8760.00	22.02.2003
90	Gunn Power Supply, GPS 610	1	7615.00	22.02.2003
91	Pin Modulator, XM55	1	4650.00	22.02.2003
92	Direct Frequency Meter – XF710	1	7220.00	22.02.2003
93	Frequency Meter – XF455	1	3340.00	22.02.2003
94	VSWR Meter	1	10340.00	22.02.2003
95	Tunable Probe	1	1675.00	22.02.2003
96	Gun Oscillator Tunable XG-11	5	43800.00	30.12.2003
97	Solid State Klystron Power Supply SKPS 610	1	14650.00	30.12.2003
98	Klystron Mount with Tube XMS – 25	1	11013.00	30.12.2003
99	VSWR Meter – SW115	1	10340.00	30.12.2003
100	Frequency Meter – XF710	2	14440.00	30.12.2003
101	Slotted Section with Probe Carriage	2	11780.00	30.12.2003
102	Tunable Probe – XP655	2	3350.00	30.12.2003
103	Isolator – X1-621	1	3265.00	30.12.2003
104	Cooling Fan	3	1200.00	30.12.2003
105	Cathode Ray Oscilloscope	1	19000.00	12.02.2004
106	E Plane T& H Plane T	Each 1	3098.00	26.11.04
107	Tunable Probe	1	2144.00	26.11.04
108	M/W Stand	5	3777.00	26.11.04
109	Directional Coupler	1	4869.00	26.11.04
110	S.S. Tuner	1	3054.00	26.11.04
111	J. Band M/w Test bench	1	146821.00	26.11.04
112	Digital Multi Meter	4	7721.00	28.03.2005
113	Variable attenrators	3	11536.00	06.11.06
114	Directional coupler	2	8431.70	27.12.05

115	Magic Tee	2	4330.80	06.11.06
116	Tunable Oxystal detectors (or) Probe with tuner	2	3686.76	27.11.05
117	Tunable Oxystal detectors (or) Probe with tuner	5	8379.00	06.11.06
118	Gunn Oscillator	2	19272.00	27.12.05
119	Pin Modulator	1	5115.00	31.03.04
120	Matched Termination	3	5198.00	27.12.05
121	Matched Termination	5	7875.00	06.11.06
122	VSWR Meter	2	22748.00	27.12.05
123	Wave guide detector mount	5	14439.00	27.12.05
124	Universal waveguide stand	10	5904.00	06.11.06
125	Isolator	3	10775.00	27.12.05
126	Isolator	2	3265.20	11.11.06
127	Klystron Tube & With count	3	36347.00	27.12.05
128	Gunn Power Supply	1	8377.00	31.03.04
129	Gunn Power Supply	2	15231.60	11.11.06
130	Klystron Power Supply	3	48346.00	27.12.05
131	Klystron Power Supply	2	32230.00	06.11.06
132	Frequency Meter (Direct Reducing)	3	21662.10	11.11.06
133	Cathode ray Oscilloscope (30MHZ)	3	50602.00	23.11.06
134	Cooling Fan	3	3796.00	06.11.06
135	S.S. Tuner	2	4611.60	06.11.06
136	Servo Stabilizer	1	15623.00	24.10.06
137	Klystron Mount	1	2054.52	29.09.07
138	Klystron Tube	1	9400.24	29.09.07
139	Directional Coupler	1	3957.40	29.09.07
140	Isolator	1	3395.80	29.09.07
141	Klystron Power supply	1	15236.20	29.09.07
142	Gunn Power Supply	1	7920.43	29.09.07
143	Magic Tee	1	2252.00	29.09.07
144	Tunable Probe	1	1742.83	29.09.07
145	Matched Termination	1	1638.00	29.09.07
146	Variable Attenuator	1	3635.42	29.09.07
147	Slotted Section	1	6126.12	29.09.07
148	Cooling Fan	1	1316.00	29.09.07
149	Movable short	1	1716.62	29.09.07
150	VSWR Meter	1	10753.70	29.09.07
151	Frequency Meter(Direct Reading)	1	7509.52	29.09.07
152	Cathode Ray Oscilloscope	1	17541.00	25.01.08

153	VSWR Meter	2	23816.00	10.09.08
154	Cathode Ray Oscilloscope	1	15958.00	10.09.08
155	Cooling Fan	3	2917.00	09.10.08
156	Gunn Oscillator	2	173914.76	21.11.08
157	Klystron Tube	5	44860.50	21.11.08
158	Klystron Mount	5	9801.63	21.11.08
159	Klystron power supply	5	72715.96	21.11.08
160	Variable attenuator	4	13876.82	21.11.08
161	Slotted section	3	17540.34	21.11.08
162	Tunable Probe	3	4987.58	21.11.08
163	Frequency Meter (D.R)	4	28668.58	21.11.08
164	Wave guide detector mount	5	13030.00	21.11.08
165	Isolator	5	16206.58	21.11.08
Total			1911899.06	

ADVANCED COMMUNICATION LAB

TOTAL INVESTMENT: 2099325.00

Sl. No.	Name of the Equipment	Qty.	Amount	Date of Purchase
			Rs.	
1	Antenna Training System	1 set	260000.00	03.6.2004
2	Transmission Line Trainer and Analyzer	1set	70000.00	03.6.2004
3	Modular R.F Communication Trainer	1set	80000.00	03.6.2004
4	Signal Source (1-15GHZ)	2	120000.00	03.6.2004
5	Steel Almirah	1	4300.00	04.9.2004
6	Dot Matrix Printer	1	16750.00	02.11.2004
7	Computer (CPU, Monitor, Keyboard CD Writer)	1set	28500.00	03.12.2004
8	Frequency Counter	1	12003.00	07.12.2004
9	Noise Generator	1	9445.00	31.12.2004
10	Spectrum analyzer (CADD0)	1	141060.00	14.02.06
11	Digital Storage Oscilloscope (Tektronix)	1	70231.00	17.03.06
12	Spectrum Analyser (HAMEG)	1	182350.00	17.05.06
13	Digital Storage Oscilloscope (Textronix)	1	68722.00	07.11.06
14	Digital Storage Oscilloscope (Textronix)	1	82826.00	18.11.06
15	Servo Stabilizer	1	16327.00	12.10.06

16	Data Communication Trainer (Falcon)	1	65813.00	31.10.06
17	Computer Table	2	7803.00	09.11.06
18	Data Communication Trainer	1	64220.00	15.11.07
19	Transmission Line Analyzer	1	62400.00	22.01.08
20	PAM-PWM-PPM Modulator & demodulator	2	26458.00	25.10.08
21	Delta Modulation & demodulation	1	17056.00	25.10.08
22	PCM Modulator & Demodulator	1	22963.00	25.10.08
23	Basic Antenna Training system	2	173420.00	04.11.08
24	Transmission Line Analyser	1	46748.00	10.11.08
25	RF Trainer Modules	1	94250.00	10.11.08
26	AM , FM Signal generator	6	271440.00	10.11.08
27	Digital Storage Oscilloscope	4	84240.00	11.11.08
TOTAL			2099325.00	

OPTICAL FIBER LAB

TOTAL INVESTMENT:1380817.76

Sl. No.	Name of the Equipment	Qty.	Amount	Date of Purchase
			Rs.	
1	Off (optical Fiber and Digital Comn Trainer)	1	44391.00	08.03.05
2	FOPM 101 (Si-Power Meter)	1	36891.00	08.03.05
3	FOPS 101 (850 nm – Light Source)	1	36891.00	08.03.05
4	Programing Library Software	1	191728.00	08.03.05
5	Fibre Optic Transmitting and receiving Units	1 set	319686.00	08.03.05
6	Printer	1	15590.00	18.07.06
7	Cathode Ray Oscilloscope	3	55533.00	17.10.06
8	Servo Stablizer	1	14779.00	13.11.06
9	Computer	1	24300.00	13.11.06
10	CD – Writer	1	1082.00	28.11.06
11	Function Generator	3	32366.00	14.11.06
12	Optical Fiber Trainer-Link A & Link B	1 each	85500.00	18.10.06
13	Optical Fiber Trainer-Link A	1	37050.00	11.10.07
14	Optical Fiber Trainer-Link B	1	47918.00	11.10.07
15	Function Generator	3	33830.00	11.09.07
16	Cathode Ray Oscilloscope	3	52244.00	25.01.08
17	Elementry Fiber Optic Trainer kit (Scientech)	2	29820.00	10.09.08

18	Function Generator	1	9256.00	10.09.08
19	Optical Fiber Trainer (Benchmark)	1	35692.00	25.09.08
20	LED Module	1	23119.20	25.09.08
21	PD Module	1	23119.20	25.09.08
22	Power Source	1	28229.76	25.09.08
23	Power Meter	1	25959.40	25.09.08
24	FOTR & FOTX-300	1	29203.20	25.09.08
25	Digital Storage Oscilloscope	6	146640.00	21.11.08
TOTAL			1380817.76	

ROBOTICS INNOVATION CENTER

TOTAL INVESTMENT: 437030.98

Sl. No.	Name of the Equipment	Qty.	Amount	Date of Purchase
			Rs.	
1	iBOT prov 2.2	10	188125.00	31.10.08
2	iARM ver 1.2	2	31500.00	31.10.08
3	iARM ver 2.2	2	84000.00	31.10.08
4	vizBOT prov 1.2	2	31500.00	31.10.08
5	iBOARD prov 8051	3	3268.20	31.10.08
6	iBOARD AVR	3	3040.80	31.10.08
7	iBOARD PIC-USB	3	4108.20	31.10.08
8	Robotics Accessories	each 1	0.00	31.10.08
9	proSTICK-8051	8	5397.20	31.10.08
10	proSTICK-AVR	8	4906.80	31.10.08
11	Motor Driver Boards	15	5029.50	31.10.08
12	IR Line Sensor	10	1226.20	31.10.08
13	IR Obstacle -Proximity sensor	10	1226.20	31.10.08
14	Ultrasonic sensor	5	4497.75	31.10.08
15	Sound sensor	10	1104.00	31.10.08
16	Bump sensor	10	1226.50	31.10.08
17	Battery pack 9.6v	15	6440.25	31.10.08
18	Battery pack 12v	5	2453.25	31.10.08
19	Power supply & charger	5	1431.00	31.10.08
20	Stepper motor	10	1185.50	31.10.08
21	Servo Motors	10	5520.00	31.10.08
22	DC Geared motor	10	1308.00	31.10.08
		Tax	48536.63	31.10.08
TOTAL			437030.98	

Department of Electrical and Electronics Engineering

ELECTRICAL MACHINES LAB

Total Investment : Rs.1,587,239/-

MOTORS & RECTIFIER UNITS

Sl.No	Name of the equipment	Quantity	Amount	Date of purchase
1	Transformer (1KVA) 1ph. PY 230/250V sy 250/110V	4	4,160.00	21.01.87
2	Auto transformer (1ph) (0-270V) 5A	4	5,300.00	23.06.87
3	Alternator, 440V, 1500 rpm, 3 KVA	1	6,726.00	24.09.87
4	Induction motor (3 HP), 3ph, 440V	1	2,750.00	09.12.87
5	Rectifier, 250V, 75A	1	51,939.00	18.11.87
6	DC compound motor 3HP, 230V, 1500 rpm	9	49,500.00	09.12.87
7	DC shunt motor 5HP, 230V, 1500 rpm	1	8,250.00	09.12.87
8	Induction motor (2 HP, 1ph, 230V)	1	3,648.00	24.09.87
9	Old Induction Motor	1	350.00	11.11.89
10	Stepper motor & translator circuit 3 kg	1	6,380.00	13.09.91

11	3 phase auto transformer I/P 415V, O/P (0-470V) 18 A	1	14,180.00	22.09.92
12	Cathode ray oscilloscope (10 MHz)	6	69,000.00	19.07.94
13	Power supply (0-30V), 2A	3	9,000.00	19.07.94
14	230V/15A Auto transformer	1	4,500.00	06.08.94
15	1 ph. induction motor 1 Hp, 1420 rpm	1	3,000.00	06.08.94
16	3 ph. squirrel cage induction motor 5 Hp. 440V, 1420 rpm	2	17,000.00	06.08.94
17	DC shunt motor 230V, 8.5A, 1500 rpm	2	15,000.00	06.08.94
18	Magnetic maplifier	1	5,000.00	20.08.94
19	3 phase auto transformer 415/0-470V, 15A	2	30,000.00	19.10.94
20	3 phase transformer PY 7.5 KVA, 440V SY 7.5/3.25 KVA, 440/220V	3	37,500.00	15.12.94
21	DC series generator set 230V, 8.5A, 1500 rpm	1	25,700.00	14.11.94
22	DC series motor 2 HP, 230V, 8.5A. 1500 rpm	1	11,200.00	14.11.94
23	3 phase slipring induction motor (5 HP, 440V)	2	77,000.00	17.08.95
24	DC shunt motor, 5 HP	2	19,500.00	15.12.95
25	AC alternator, (3 KVA)	1	32,500.00	15.12.95
26	DC shunt motor, 5 HP	2	19,500.00	12.04.96

27	AC alternator (3 KVA)	1	32,500.00	11.01.97
28	AC alternator (3 KVA synchronous motor)	1	32,500.00	18.02.97
29	DC regulated power supply, model:ID 3203	2	32,054.00	13.02.98
30	Blower (Bosch make)	1	6,200.00	17.11.97
31	Digital non-contact type tachometer	2	6,600.00	17.11.97
32	Knife switches (30A) SPST, DPDT, DPST, TPST	11	11,090.00	17.11.97
33	1 phase auto transformer 15A	3	12,930.00	27.03.97
34	3 phase auto transformer 20A	3	46,545.00	27.03.97
35	Stroboscope	1	11,220.00	27.03.97
36	Alternator set	1	61,010.00	18.09.00
37	Auto Transformer (15A)	1	14,284.00	19.01.04
38	Alternator with Dynamo meter D.C Motor	1	80,822.00	12.04.04
		TOTAL	876,338.00	

METERS AND AUXILIARIES

Sl.No	Name of the equipment	Quantity	Amount	Date of purchase
1	Voltmeter(moving iron) 25/50V, 50/100V, 125/250V, 250/500V	24	6,541.50	12.01.87
2	Loading Rheostat 3 KM 230V/ph	3	7,659.00	10.02.87
3	Rheostat 300 ohm, 1A	1	245.00	12.11.87
4	Ammeter (Moving iron) (0-10)A, (0-15)A, (0-20)A	13	3,710.00	07.04.88
5	Ammeter (moving coil) (0-1)A, (0-5)A, (0-10)A, (0-15)A	8	2,717.00	07.04.88
6	Voltmeter (moving coil) (0-10/20)V, (0-50/100)V, (0-125/250)V	4	3,147.00	07.04.88
7	Ammeter (moving iron) (0-1)A, (0-2)A, (0-5)A	9	2,486.00	07.04.88
8	Power factor meter 5/10A	2	1,462.00	07.04.88

9	Wattmeter: 1MP make 10/20A, (62.5/125/250/500V) 5/10A, LPF 2.5/5A	9	8,135.69	17.04.88
10	Starter STAR-DELTA 3 Hp. 440V	2	1,387.50	25.05.88
11	Energy meter 3 Ph. 4 wire, 15A	1	1,419.00	31.05.88
12	Insulation tester 500V 100M ohms	1	600.00	28.07.88
13	Loading arrangements for motor	3	3,100.00	21.11.88
14	Wattmeter(Dynamometer type) (0-1/2)A, (62.5/125/250/500V), (0-5/10)A, UPF(0-10/20)A	19	9,320.00	16.12.88
15	Insulation tester 1000V 200M ohms	1	840.00	08.08.89
16	Ammeter (moving coil) (0-1)A,(0-2)A,(0-15)A	10	2,677.50	20.08.89
17	Voltmeter (Moving coil) (0-250V)	5	1,425.00	23.11.89
18	Ammeter moving coil (0-2)A	6	2,362.50	30.01.90
19	Tachometer (Digital) (0-9999)	5	9,715.00	06.10.90
20	Rheostats 50 ohms, 4.1A	1	331.00	17.11.90
21	Voltmeter (analog) 0-60V	6	3,836.40	17.11.90
22	Carbon Rheostat 25A (1.5-4) ohms	3	2,295.00	17.11.90
23	Loading Rheostat 5 KW 1 -Phase	1	5,061.50	17.11.90
24	Loading Rheostat 3 KW 1-Phase	3	12,090.00	17.11.90
25	Double tube rheostat 52 ohms/4.1A	3	1,455.00	17.11.90
26	Ammeter (0-200)mA DC	4	2,579.84	25.01.91
27	Tachometer (analog)	1	4,076.50	19.09.91
28	Ammeter (0-2)A DC, (0-1)A DC, (0-1)A AC, (0-200)mA AC, Wattmeter (1/2A 230V), (5/10 A 230V)	12	6,573.60	30.09.91
29	Starter 3 point, 4 point	1(Each)	2,850.00	14.10.91
30	Capacitive loading arrangement (3 ph), 415V	1	3,650.00	22.09.92
31	Inductive loading arrangement (3 phase)	1	11,800.00	12.10.92
32	Brake drum	3	5,280.00	26.10.93
33	Starter 3 point, 4 point	1(Each)	6,991.00	26.10.93
34	Decade capacitance box (0-1 MFD)	9	18,495.00	19.07.94
35	Multimeter (digital)	3	5,250.00	19.07.94
36	Function generator (0-20 Hz)	6	18,600.00	19.07.94
37	Bread board	6	2,400.00	19.07.94
38	Decade resistance box (0-900K ohms)	9	14,040.00	26.07.94
39	5 HP star-delta starter	1	1,000.00	06.08.94
40	5 HP DOL starter	1	975	06.08.94

41	3 phase resistive load (7.5 KW), 440W	2	30,000.00	20.08.94
42	Rheostat (300 ohms, 0.8A)	13	7,800.00	06.10.94
43	3 phase wattmeter UPF	8	31,520.00	06.10.94
44	3 phase wattmeter LPF	3	19,260.00	06.10.94
45	Loading arrangements (Mechanical)	7	24,500.00	14.11.94
46	3 point starter	7	52,500.00	15.12.94
47	Decade inductance box (0-9H)	6	27,000.00	17.08.95
48	Loading arrangement (Mechanical)	2	8,000.00	17.08.95
49	Stop watch	3	2,601.00	23.04.97
50	Loading arrangement for slipping induction motor	2	8,000.00	17.08.95
51	M.S. channel frame for coupled machines	1	4,500.00	18.02.97
52	Rheostat (different ranges)	25	97,289.00	21.07.97
53	Analog tachometer	3	16,650.00	05.08.98
54	Single phase transformer	2	13,750.00	05.08.98
55	Loading rheostat 5 kw	1	13,500.00	07.09.98
56	Meters (Voltmeter, Ammeter & Wattmeter)	20	36,200.00	03.11.98
57	Rheostat	6	8,000.00	18.09.00
58	Volt meter (0-250/500) V PMMC Type	5	7,840.00	25.09.200 1
59	Ammeter (0-15/30) A	2	3,024.00	25.09.200 1
60	Tachometer (Analog)	5	31,350.00	25.09.200 1
61	Frequency Meter	1	2,184.00	25.09.200 1
62	Voltmeter (0-15-30-60)V M.I Type	2	2,500.00	25.07.200 3
63	Ammeter (0-0.5-1.0)A M.I Type	1	1,280.00	25.07.200 3
64	Ammeter (0-5-10)A M.I Type	4	5,120.00	25.07.200 3
65	Mini Vice	1	248.00	10.12.200 3
66	Digital Multimeter (Mastech-M832)	6	1,800.00	11.12.200 3
67	Ammeter (0-2)A PMMC	5	6,000.00	17.11.200 4
68	Ammeter (0-2)mA M.I	1	1,200.00	17.11.200 4
69	Single Phase Motor's Starter 15AMPS	1	750.00	17.11.200 4
70	Rheostats 145ohms, 2.8A	4	6,390.00	17.01.200 5

71	360 ohms, 1.2A	4	3,400.00	17.01.2005
72	Wattmeter(Dynamometer type) (125/250/500V), (0-5/10)A, UPF	10	26,653.00	04.05.2007
73	Rheostat - Single Tube (360 ohms, 1.2 amps) Rheostat - Single Tube (850 ohms, 1 amp)	6	5,990.00	08.01.2008
74	Voltmeter (Moving Iron) (300/600)V	4	5,523.00	15.09.2008
TOTAL			710,901.53	

ELECTRICAL WORKSHOP

Total Investment : Rs. 3,14,167/-

Sl.No	Name of the equipment	Quantity	Amount	Date of purchase
1	Coil winding machine - ALFA (Sl.No.9701,9702,9703)	3	8,040.00	07.07.97
2	Analog insulation tester - waco (S.No.941584, 941592) (S.No.941584, 941592)	2	5,480.00	07.07.97
3	Soldering iron station – goot (PX-10) (S.No.9205-025)	1	6,500.00	07.07.97
4	Digital multimeter:			
	Model Mico 801	1	2,670.00	07.07.97
	Model Mastech M832	6	3,300.00	07.07.97
	Model Mastech M92A	2	1,500.00	07.07.97
5	Servo controlled voltage stabilizer 5KVA S.No. 45438, Make: Krycard	1	10,400.00	31.07.97
6	Mastech make digital multimeter, Model M92A, S.No.00435560, 00435592, 004352677,00448800	4	3,000.00	19.07.97
7	Waco make analog insulation tester, S.No. 942928, 942930	2	5,480.00	19.07.97
8	Portable drilling machine 13mm, S.No. C198392	1	5,600.00	30.07.97
9	Winding study motor - 2HP S.No. 07-2258	1	25,387.00	30.07.97
10	Shanthi make earth tester (double range)			
	S.No. 169/9606	1	3,162.00	25.08.97

	S.No. 154/9606	1	3,162.00	30.8.97
11	Meco digital tong tester, Model 2250 S.No.977763	1	3,162.00	30.08.97
12	Transformer oil test kit 60 KV	1	19,200.00	11.09.97
13	Energy meter-3 phase S.No.2500475,2503426	2	4,720.00	11.09.97
14	Electronic tool kit	2	5,740.00	30.09.97
15	3-Phase Resistive load, 5 kW	1	16,890.00	30.09.97
16	3 mm precision drilling machine with regulator - Micro make, model:201- PDM-P	1	10,400.00	14.10.97
17	1/2" drill stand for wolf drilling machine	1	1,345.00	14.10.97
18	Electronic tool kit	1	2,870.00	04.06.97
19	Bench vice-unique make	1	1,150.00	01.10.97
20	Soldering iron station Goot Make S.No. 8187-007	1	6,500.00	07.11.97
21	Portable single phase electric blower	1	5,360.00	10.03.98
22	Phase sequence indicator	1	500.00	10.03.98
23	Crimping tool set	1	3,200.00	10.03.98
24	Trouble shooting kit for transformer	1	10,200.00	10.03.98
25	Trouble shooting kit for motor	1	12,000.00	10.03.98
26	3 Phase auto transformer 50Hz / 20A	1	16,780.00	25.02.00
27	1 phase auto transformer	2	10,468.00	25.02.00
28	Voltmeter MI – Meco make	2	2,192.00	25.02.00
29	Ammeter MI – Meco make	1	1,280.00	25.02.00
30	Wattmeter MI – Meco make	2	5,970.00	25.02.00
31	Tachometer Teclock make	1	3,550.00	25.02.00
32	Stop watch Racer make	1	990.00	01.12.00
33	Pillar type drilling machine	1	17,538.00	16.03.00
34	Bench Type grinding machine	1	2,942.00	16.03.00
35	Oscilloscope HM605-B	1	34,650.00	02.08.07
36	3MHz Function Generator HM5030-4	1	7,920.00	02.08.07
37	Dual Power Supply PSD3203	1	7,020.00	02.08.07
38	DC Regulated Single Variable Power Supply (L3205)	1	15,949.00	08.10.08
		TOTAL	314,167.00	

POWER ELECTRONICS LAB

Total Investment : Rs.2,428,133/-

Sl.No	Name of the equipment	Quantity	Amount	Date of purchase
1	Isolation transformer 0-250 volts/2 amps, capacity 500 VA, S.No.9708105, 9708107	2	5,664.00	28.08.97
2	Stepdown transformer 0-12-24-36 volts/1 amp (S.No 970108,970109,970110, 970111)	4	2,268.00	28.08.97
3	Autotransformer 0-230 volts/4 amps (S.No 97ME801, 97ME802, 97ME804, 97ME805)	4	9,744.00	28.08.97
4	SMPS demo unit (S.No.970113)	1	4,290.00	30.08.97
5	25 MHz dual trace oscilloscope - APLA13, (S.No. 9713085)	1	19,502.00	07.07.97
6	1 phase full wave bridge rectifier(S.No.970054)	1	3,300.00	19.06.97
7	UJJ trigger circuit (S.No.970045)	1	3,300.00	19.06.97
8	AC phase control using SCR/triac diac (970034)	1	5,280.00	19.06.97
9	Series parallel counter (S.No.970040)	1	3,300.00	19.06.97
10	AC solid state relay using opto coupler (970042)	1	3,300.00	19.06.97
11	SCR ring counter/sequential timer(S.No.970049)	1	4,290.00	19.06.97
12	Sample & hold (S.No.970043)	1	3,300.00	19.06.97
13	Comparator/zero cross/level cross detector (S.No.970052)	1	3,300.00	19.06.97
14	Aplab-25 MHz dual trace oscilloscope (S.No.9725148, 9722137)	2	39,004.00	12.07.97
15	Aplab-15-300V-DC power supply(S.No.9726162)	1	16,489.00	12.07.97
16	Digital non contact tachometer (S.No.1157)	1	3,570.00	19.07.97
17	Oxford make educational desk meter DC (0.15)V S.No.EDM-9704, 10,22,24	4	1,592.00	19.07.97
	DC(0-50)V, S.No.EDM-9701, 2,3,11	4	1,592.00	19.07.97
	DC(0-150)V, S.No.EDM-9708, 18,20,31	4	1,592.00	19.07.97

	DC(0-300)V, S.No.EDM-9705, 16, 25,29	4	1,592.00	19.07.97
	DC(0-10)MA, S.No.EDM-9714,17, 28, 29	4	1,592.00	19.07.97
	DC(0-50)MA, S.No.EDM-9706, 15,23,27	4	1,592.00	19.07.97
	DC(0-100)MA, S.No.EDM-9707, 13,23,3	4	1,592.00	19.07.97
	DC(0-5)A,S.No.EDM-9709,12,19,32	4	1,592.00	19.07.97
18	Functional generator/counter 1 MHz model 2011, make:Aplab, S.No.9652187, 9652188	2	21,274.00	08.03.97
19	Dual trace oscilloscope, 25 MHz, model 3304, make:Aplab, S.No.9644303, 9652362	2	39,004.00	08.03.97
Sl.No	Name of the equipment	Quantity	Amount	Date of purchase
20	7.5 KVA, servo controlled voltage stabilizer, S.No. 45083, make: Kryhard	1	14,500.00	31.07.97
21	Low distortion signal generator, Aplab make, 1MHz, model 2014, S.No.9652463, 9652404	2	11,814.00	27.03.97
22	Rheostat 55 ohms/5A, make:Labin	4	6,556.00	30.09.97
23	Rheostat, 180 ohms/1A, make: Labin	3	1,281.00	30.09.97
24	Rheostat, 20 ohms/1A, make: Labin	4	3,520.00	30.09.97
25	1 phase half controlled bridge converter, (970128)	1	7,260.00	30.09.97
26	1 phase series inverter(S.No. 970127)	1	10,230.00	30.09.97
27	Series & parallel counter (S.No.970125)	1	3,300.00	30.09.97
28	Digital integrated lab trainer, Make: Mighty S.No. 970116	1	7,656.00	30.09.97
29	Isolation transformer 0-250/0-250V, 2A, 500VA,S.No.9708106, Make: Process controls	1	2,832.00	06.10.97
30	Frequency counter, 550 MHz, Model: 1130, Make: Aplab, S.No. 9738013, 9738015	2	20,130.00	21.10.97

31	DC regulated dual variable power supply, Model: LD 3202, Rating: 0+/- 32V/0-2A S.No. 9739232, 9739233, 9729234V	3	34,353.00	29.10.97
32	DC regulated high voltage power supply, Model: HO 310, Rating: 15-300V/0-1A, S.No.9740287	1	16,189.00	29.10.97
33	Digital integrated lab trainer, Make: Mighty, S.No.970170, 970201, 970202	3	22,968.00	06.12.97
34	DC regulated power supply, Make: Aplab, Model:L 3202, Rating: 0-32V/0-2A, S.No.9752267, 9752268, 9752269, 9752270	4	23,672.00	12.01.98
35	Analog IC trainer, Make: Mighty, S.No.970267, 970268, 970269	3	28,017.00	13.02.98
36	Thyristorised Dc regulated power supply demo unit, Make: Mighty, S.No. 970314	1	10,230.00	25.03.98
37	Isolation transformer, 0-250V, 0-250V/2A, 500 VA, Make: Procon control, S.No. 971008	1	2,832.00	28.03.98
38	Function Generator (ST 4036) Make: Scien Tech, S.No. 110158	1	6,305.00	15.02.02
39	Function Generator – SM 5060 Make: Scientific S. No. 01081357, 01081353	2	16,464.00	07.01.02
40	Educational Desk type meters, 0-100 MA, MECO MR65, S.No. 1403/9.	1	534.00	02.03.00
41	Digital Frequency Counter, 550 MHz 1130, APLAS, S.No. 0136020	1	12,350.00	20.12.01
42	D.C. Regulated/Dual variable power supply 0 +/- 32V/2A ELNOVA – 634300209D S. No. CIDKID 380, 361, 374	3	26,649.00	07.01.02
43	Educational Desk tyre meter, 0-IV MECO-MRIVO, S.No. 3769/9, 3770/9, 3794/9, 4067/9	4	2,018.00	24.02.2000
44	Educational Desk tyre meter, 0-100 MA MECO-MRIVO, S.No. 3448/9	1	647.00	18.04.2000

45	Thyristurised speed control of 3 ϕ Induction motor, Vi Micro Systems Model: ITB-PEL 14HV3 (Trigger & Device)	1	23,157.00	19.04.2000
46	3 ϕ Half & Fully controlled Bridge converter, Vi Micro Systems – ITB-PEC 14HV5 (Trigger and Device)	1	25,654.00	19.04.2000

47	Portable Ammeter (MI) – Model 6p/1 EIC: 0-2.5-5-10A S.No. 20120130, 20120132, 201201131	3	3,408.00	07.01.2002
48	Portable Voltmeter (MI) – 0-75-150-300V EIC-VP/1, S.No. 201201129, 20120128, 20120126, 20120125, 20120127	5	5,530.00	07.01.2002
49	Portable Wattmeter, (UPF) 125/250/500V, 5-10A, 5000W, EIC – 6p/DWI. S.No.201201123, 201201124	2	4,150.00	07.01.2002
50	Digital Multi Meter MOTWANE-DM3540 S.No. 20421101, 24801101, 24811101	3	5,778.00	07.01.2002
51	Digital Multi Meter, MOTWANE – DM3750 S.No. 24821101, 24801101, 24811101	3	8,151.00	07.01.2002
52	Digital Line Frequency Meter, 0-100Hz Make: Creative Controls	2	3,514.00	07.01.2002
53	Industrial Scope Meter 20MHz S.No. DM 8000111, FLUKE – FLK 123/008	1	70,000.00	11.01.2002
54	High resolution Logging True RMS Multi Meter Sl. No.78440071, FLUKE – FLUKE 189	1	30,000.00	11.01.2002
55	Dual Trace Oscilloscope with Function Generator Scientech – ST201FG, S.No. 010212062, 010212076, 210212097	3	60,528.00	15.02.2002
56	1 GBT Inverter Drive with motor and feed back facility 0.75KW Make: MITSUBISHI – FR-55205 – 0.75K S.No.F16D49009 CR	1	28,948.00	11.01.2002
57	Distortion Meter (Audio range) Make: Scientific – HM 5027 S.No.1100249, 1100248	2	16,600.00	07.01.2002

58	Pulse Generator – 20 MHz Make:Scientific-HM5035, S.No.0107877	1	12,720.00	07.01.2002
59	Automatic LCR – Co-Bridge, Make: Scientific - 6018, S.No.0101475	1	13,871.00	15.02.2002
60	Steel Plain Cupboard	3	11,250.00	23.10.2002
61	Steel Racks	2	2,800.00	08.11.2002
62	Drawer Type Cupboard	2	11,501.00	03.12.2002
63	True RMS Multimeter with RS 232C Interface; Make: Protek S.No.801336	1	8,398.00	15.02.2002
64	Portable Ammeter (MC) 0.2.5-5- 10A, EIC/S.No.3120120, 3120119	2	2,330.00	15.12.2002
Sl.No	Name of the equipment	Quantity	Amount	Date of purchase
65	Portable Voltmeter (MC) 0.75-15V- 300V,EIC/S.No.3120121, 312120122	2	2,330.00	15.02.2002
66	Insulation Transformer 5KVA/250V Universal	1	11,609.00	11.06.2002
67	14 A.C Motor 1.25KW/H.P STARK; S.No.55352	1	3,606.00	11.06.2002
68	Battery Charger (Automatic) 6V,12V, 24V/0.20A	1	17,410.00	11.06.2002
69	1phase Cyclo Converter drive with motor F.Range F5V, 5V/2, 5V/3, 5V/4 S.No.137; Motor:1phase, 0.5HP, S.No.ALG117153	1	38,544.00	24.01.2002
70	Fluke Scopmeter with Software Model 60MHz	1	173,200.00	05.05.2003
71	20MHz Dual Channel, Digital Storage Oscilloscope with components Model: HM205-2	1	38,500.00	28.10.2003
72	145Ω / 2.8A Rheostat	1	2,328.00	16.10.2003
73	50Ω / 5A Rheostat	1	2,619.00	16.10.2003
74	19Ω / 8.5A Rheostat	1	3,007.00	16.10.2003
75	3Ω / 18A Rheostat	1	3,201.00	16.10.2003
76	30MHz Dual Channel CRO with components Model HM2039	1	19,200.00	06.11.2003
77	High Voltage Probe	2	2,000.00	06.11.2003
78	Multimeter MB830B	3	825.00	17.11.2003
79	Ammeter MC (0-50/100MA)	2	2,500.00	28.11.2003

80	Voltmeter MC (0-250/500V)	2	2,400.00	28.11.2003
81	Voltmeter AC (0-300/600V)	3	3,600.00	28.11.2003
82	Wattmeter AC (0-150/300/600V/10A)	4	7,600.00	28.11.2003
83	Dual Channel Differential Module (ADROIT DM400)	2	14,796.00	15.12.2003
84	1-Phase Converter Firing Circuit	1	3,787.00	21.1.2004
85	3-Phase Converter Firing Circuit	1	15,350.00	21.1.2004
86	3-Phase Half wave Convert Power Circuit- 5Amps	1	8,600.00	21.1.2004
87	3-Phase Full Converter Bridge Power CRT: 5A	1	11,750.00	21.1.2004
88	230V/5A Thyristor DC-Chopper using class-D commutation with variable chopper frequency (50-300 Hz) variable duty cycle (10-90%) with Firing Circuit	1	16,800.00	21.1.2004
89	Single Phase Mc Murray Inverter Firing Circuit	1	13,850.00	21.1.2004
90	Single Phase Mc Murray Inverter Power Circuit 30V/2A	1	13,100.00	21.1.2004
91	1-Phase Cycloconverter Firing Circuit	1	9,350.00	21.1.2004
92	1-Phase Cycloconverter Power Circuit 230V/10A (centre tap type)	1	12,950.00	21.1.2004
93	1-Phase Semi Converter Bridge – 230V/5A	1	8,600.00	21.1.2004
94	Inductive Load 0-25-50-100-150mh/5A	1	4,100.00	21.1.2004
95	1-Phase Converter firing Circuit	1	3,787.00	21.1.2004
96	1-Phase Full Converter Bridge – 230V/5A	1	8,600.00	21.1.2004
97	Inductive – 0-25-50-100-150-mh/5A	1	4,100.00	21.1.2004
Sl.No	Name of the equipment	Quantity	Amount	Date of purchase
98	¼" Portable Electric Drill (Universal Motor) Make: Black & Dekkar with bits (0.5mm to 6mm)	1	5,250.00	21.1.2004
99	Loading Inductor with Tappings 230V AC/DC, 5A: 0-25-50-150mH	1	3,750.00	21.1.2004
100	Inductive Load: 0-25-50-100-150 mh/2A	1	2,250.00	21.1.2004

101	Capacitive Load: 3-Phase: 5A/415V, 5A	1	9,000.00	5.2.2004
102	Variable Inductor: Single Phase 5A/230V, 50Hz	1	8,250.00	5.2.2004
103	Variable Inductor: 3-Phase, 5A/415V, 50Hz	1	12,750.00	5.2.2004
104	3-Phase Half wave Converter Power Circuit – 5Amps	1	8,600.00	5.2.2004
105	230V, 5A DC Chopper using IGBT / MOSFET (Single Quadrant only) freq 200Hz – 1000Hz	1	12,000.00	5.2.2004
106	IGBT Power Module: 600V/25A	2	6,000.00	5.2.2004
107	3-Phase full converter firing unit	1	15,350.00	5.2.2004
108	"MOTWANE" make 3¾ Digit, Dual Display, Backlit LCD, Max.3999 Counts, True RMS Auto-ranging Digital Multimeter with set of Meterleads. Model: DM3760	4	32,956.00	25.2.2004
109	RS-232 Cable with Interface and Software (3.5" Disc)	1	1,170.00	25.2.2004
110	"ARGO" make 10A, Three Phase, 415V Variac with enclosure	2	18,100.00	25.2.2004
111	"MECO" make Three Phase, 440V AC, 5A Digital Power Factor Meter	1	2,650.00	25.2.2004
112	Small Power X'mer (50Hz) with terminals and tappings mounted on the terminal plate			
	(a) 230V/12-0-12V, 10A, 240VA	1	940.00	25.2.2004
	(b) 230V/12-0-12V, 20A, 480VA	1	1,740.00	"
	(c) 230V/24-0-24V, 20A, 960 VA	1	2,680.00	"
	(d) 415V/6-0-6V, 2A, 25 VA	1	270.00	"
	(e) 3-Phase, 415/6-0-6V, Delta Connected, 2A, Independent Secondary Windings, 75VA	1	940.00	"
	(f) 3-Phase, 415/6-0-6V, Star Connected, 2A, Independent Secondary Windings, 75 VA	1	940.00	"

113	Power Transformer with Terminals: 3-Phase, 415V/24V, 20A, 1KVA Delta Connected Primary Windings, Star Connected Secondary Windings.	1	3,600.00	"
114	3-Phase, 415V/110V, 20A, 4.2KVA Delta/Star Connected Windings.	1	10,130.00	"
115	"MECO" make 150/300V Portable DC Voltmeter	3	3360.00	6.3.2004
116	"MECO" make 5/10A Portable DC Ammeter	3	3,360.00	"
117	MECO make 300/600V Portable AC Voltmeter	3	3,180.00	"
118	MECO make Portable Type 75/150V AC Voltmeter	1	1,060.00	"
119	MECO make 5/10A Portable AC Ammeter	3	3,180.00	"
120	MECO make 2.5/5A Portable AC Ammeter	2	2,120.00	"
121	AE-3Phase Loading Capacitor 10A	1	6,900.00	"
122	HM203M 30MHz Oscilloscope 3109335	1	19,500.00	"
123	HM203G 30KHz Oscilloscope 4012544, 4012560, 4012561, 4012562	4	74,000.00	"
124	Tacho Meter	1	6,773.00	18.03.2004
125	Dual Trace Oscilloscope with Power Scope and Logic cope Model ST224LS 20MHz	1	24,500.00	07.05.2004
126	Dual Trace Oscilloscope with Power Scope and Function Model ST224FG, 20MHz	1	27,600.00	07.05.2004
127	D.C Shunt Motor with loading arrangement 220V, 1500rpm, 8.5A	1	19,277.00	28.10.2004
128	Unregulated Power Supply (0-230V, 5A)	2	15,286.14	28.10.2004
129	Traction Battery 12V, 100AH, 20Hr	2	16,161.47	28.10.2004
130	3-Phase TEFC Induction Motor with loading arrangement 230V/415V, 8.0/5.0A	1	16,458.39	28.10.2004
131	D.C Motor Generator set	1	25,476.90	28.10.2004
132	PSIM 6.0 Basic - Software	5 user	291,760.00	20.04.2006

133	Rheostats 40ohms, 5A	1	2,344.50	07.09.2006
134	Rheostats 70ohms, 2.8A	2	3,000.00	07.09.2006
135	Rheostats 4200ohms, 0.3A	2	4,063.80	07.09.2006
136	Power Quality Analyser (Krykard make) ALM30	1	226,687.50	26.03.2007
137	Rheostat (300 ohms, 1.7 amps)	2	7,980.00	11.06.2007
138	Rheostat (2.8 ohms, 18 amps)	2	14,780.00	11.06.2007
139	Single Phase Powe Factor Meter	1	4,851.00	14.11.2007
140	Current Commutated Thyristor Chopper	1	27,720.00	14.11.2007
141	Portable Ammeter (MC)	4	7,920.00	14.11.2007
142	Portable Volt Meter (MC) (D-10-150-300-600V)	4	8,316.00	14.11.2007
143	Three Phase Power Factor Meter	2	13,860.00	14.11.2007
144	Digital Clamp Tester (0-25, 250A)	1	3,465.00	17.11.2007
145	Digital Ohm Meter with Ammeter	1	5,590.00	18.03.2008
146	Three Phase Lab Trainer (NV 7001)	1	19,890.00	05.01.2009
147	Dual Trace CRO (30MHz)	2	30,888.00	05.01.2009
TOTAL			2,428,133.70	

POWER ELECTRONICS & POWER SYSTEM SIMULATION LAB

Total Investment : Rs. 2,48,628.00

Sl.No	Name of the equipment	Quantity	Amount	Date of purchase
1	XP Professional, PIV – EVE D320 m (Desktop PC) 256 DDR RAM, (40GB HDD, 48 x CDROMD, 15" color monitor)	1	55,750.00	18.02.03
2	XP Professional PIV-EVE D320m (Desktop PC) 256 DDR RAM, (40GB HD, 48 x CDROMD, 15" colour monitor)	1	55,750.00	24.02.03
3	HP, PIV 2.6GHz, 256 DDR RAM (40GB, 15" colour monitor	3	99,000.00	08.01.04
4	HP, PIV 2.6GHz, 256 DDR RAM (40GB, 15" colour monitor	13	391,000.00	
5	Wall Mounting Motorised Screen GB Liberty	1	25,000.00	10.06.09
TOTAL			626,500.00	

SOFTWARE PACKAGES

Sl.No	Name of the software	Qty.	Amount	Date of purchase
1	ETAP (6 Modules) Version 3.0.1	2	270,000.00	22.02.01
2	PSCAD / EMTDC Version 3.0.4	2		
3	SPARD	1	275,000.00	06.03.03
4	PSCAD /EMTDC Software	1	342,674.00	04.03.09

Department of Electronics & Instrumentation Engineering

PROCESS CONTROL LAB

Total Investment: Rs. 27,57,477/-

Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
1	Air Compressor	1	13,100	27.07.98
2	Pressure control set	1	1,19,600	22.07.98
3	Temperature control set	1	1,32,400	22.07.98
4	Wisco meter and digital weight indicator	1	68,600	18.09.98
5	P.H. Meter	1	28,200	18.09.98
6	Process control simulator	1	48,000	18.09.98
7	Programmable logic controller	1	57,600	18.09.98
8	Electronic Flow Transmitter	1	2,08,000	24.09.99
9	Differential Pressure Transmitter with simulator	1	18,552	05.06.98
10	Dead Weight Pressure Gauge tester	1	32,500	05.06.98
11	Computer Based Level Process Station	1	2,08,150	04.09.00
12	Analog Oscilloscope	1	22,500	22.09.00
13	Regulated Power Supply	1	4,836	12.09.00
14	I/P Converter	1	25,734	26.09.00
15	Control Valve Trainer	1	73,500	26.09.00
16	Analog PID Controller	1	14,925	26.09.00
17	ON/OFF Water Level Controller	1	16,000	27.09.00
18	RTD Based Temperature Trainer	1	9,500	29.09.00
19	P/I Converter	1	32,844	05.12.00
20	MAT Lab Control System Tool Box (Software only)	1	19,000	28.03.00
21	PC for Lab View (VI)	2	1,04,480	24.02.03
22	Lab View Software & Hardware	1	71,213	24.09.03
23	Storage Oscilloscope & Accessories	1	73,012	18.09.2002

24	Microcontroller & Accessories (ATMEL) (MOTOROLA)	1 1	14,215 10,305	06.11.2002 06.11.2002
25	Steel cupboard & Racks	1	3,750	08.11.2002
26	Temperature calibration system	1	49,616	16.09.02
27	Industrial Analog P/D controller system with champer	1	20,000	20.11.02
28	Frequency to Voltage converter	1	4,500	20.11.02
29	Voltage to Current converter	1	5,000	20.11.02
30	TMS 320C50 based DSP trainer kit	1	17,242	03.02.03
31	Stepper motor add-on card interfacing to PC	1	41,356	03.12.02
32	Digital Multimeter	4	5644	24.11.03
33	Digital Multimeter	2	3300	27.08.03
34	Dual Variable RPS	4	27,617	24.11.03
35	Function Generator 1MHz	2	13,491	24.11.03
36	Digital stop Watch	4	2,578	18.11.03
37	PLC unit siemens	1	61,547	03.10.00
38	Storage Oscilloscope	1	51,850	31.03.04
39	Stepper motor Drives board	1	990	10.12.03
40	Stop Watch	3	2,196	06.03.04
41	Desk meter Analog	10	5,212	08.03.04
42	Laser Printer	1	21,990	02.04.04
43	Pressure Transmitter Controller	1	36,960	31.03.04
44	I-P Trainer Module	1	24,990	17/03/05
45	2 Channel V to I Transmitter	1	2,980	17/03/05
46	Calibration of Pressure Gauge using manometer	1	12,990	17/03/05
47	PLC Trainer(Versa Pro) & cimplicity software	1	77,268	07/05/05
48	AD μ C 842 based modbus module	1	32,968	07/05/05
49	DC motor based position control system	1	17,870	07/05/05
50	1HP ASIPM based power module & 14P 3 ϕ induction motor	1	50,507	07/05/05
51	Tms 320 LFW2407A DSP Trainer	1	58,023	07/05/05
52	Modbus drives for 2407 DSP Trainer	1	13,285	07/05/05
53	RS485 multi DSOP cable & Rs 485 to Rs 232 converter	1	4,739	07/05/05
54	Fieldbus Cable	1	4,121	07/05/05
55	CD writer for system	1	1,350	30/06/05
56	COSSPC software	1	88,570	25/03/05

57	CD Drive	4	2,600	05/09/05
58	Brushless DC motor with Hall sensor	1	68,987	05/09/05
9	Pulse oximeter PM 600 III SPO2/PR	1	36,465	10/03/06
60	Surgical Diathermy, BP Apparatus, Ultra sound unit, Tens meter, Electronic digital BP meter wrist	5	35,730	14/03/06
61	Audio meter with all assessories	1	25,967	26/04/06
62	SPEEDY-33 DSK with Texas Instruments VC-33 Processor	2	70,875	27/07/06
63	BLOKIT-ECG Amplifier module	2	16,464	16/08/06
64	BLOKIT- PC Based digital physiograph, EEG, EMG, Respiration, Peripheral pulse, PCG Amplifier modules, Ring, Cup, Disk, Disposable Electrodes, Phono , Respiration, Peripheral pulse sensors	13	1,45,247	16/08/06
65	LabVIEW NI – M Series DAQ NI PCI-6251, C13-68LP DAQ, I/O Accessories NI-USB600 8 Kits. [VI MANTRA 2006 Prize]	1	80,000	23/02/2007
66	Networking Items	1	18,375	28/03/2007
67	Electronic Weighing Balance 0-300 gms	1	10,125	20/04/2007
68	DSP Starter Kit TM's 320F 2812	1	29,150	25/06/2007
69	MSP 430 Starter Kit	1	16,500	25/06/2007
70	HP1022 Laser Jet Printer	1	9,725	14/082007
TOTAL			27,57,477	

TRANSDUCERS & MEASUREMENTS LAB

Total Investment: Rs. 6,93,646/-

Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
1	Single phase Energy Meter	2	2,550	11.03.97
2	Portable Wattmeter	2	4,532	11.03.97
3	Auto Transformer	2	10,000	11.03.97
4	Stop watch	2	2,200	11.03.97
	Digital Multimeter			
5	MECO make M 801	2	5,446.00	07.07.97
6	MASTECH make M 92A	2	1,978	07.07.97

7	MASTECH make M 832 Decade Boxes	6	3,366	07.07.97
8	Resistance Box	3	5,937	30.07.97
9	Capacitance Box	3	7,284	30.07.97
10	Inductance Box	3	7,284	30.07.97
11	Loading Rheostat	1	9,188	11.09.97
12	Loading Rheostat	1	9,272	30.09.97
13	A.C Ammeter Rheostat	1	397	30.09.97
14	55ohms/5A	6	9,834	30.09.97
15	20ohms/1A AC BRIDGES	6	5,280	30.09.97
16	Wheatstone's bridge	1	4,103	24.09.97
17	Anderson's bridge	1	6182	24.09.97
18	Kelvin's bridge	1	6,270	24.09.97
19	Maxwell's bridge	1	6,303	24.09.97
20	Precision slide wire potentiometer Standard Resistance	2	21,624	21.10.97
21	0.01 ohms/10A	2	2,652	21.10.97
22	0.1 ohms/5A	2	3,100	21.10.97
23	10 ohms/3A	2	2,448	21.10.97
24	100 ohms/500mA	2	2,326	21.10.97
25	1000 ohms/100mA	2	2,326	21.10.97
26	Kit for studying load cell characteristics	1	10,500	27.01.98
27	Photo cell (kit) Characteristics	1	1,627	12.02.98
28	Opto couple (kit)	1	2,397	12.02.98
29	Resistive potentiometer Characteristics	1	6,270	10.03.98
30	Capacitive pickup demonstration setup	1	8,235	24.03.98

31	Measurement of sound using sound level meter	1	23,218	24.03.98
	PID controller demo unit	1	12,210	25.03.98
32	Effects of negative feed back study kit	1	14,245	25.03.98
33	Kit for studying Tacho generator characteristics (speed measurement Trainer)	1	5,670	22.10.98
34	Kit for studying synch.Characteristics	1	4,266	22.10.98

	(Angular Displacement measurement Trainer			
35	Strain Gauge Trainer kit	1	10,948	01.11.00
36	Torque Measurement Trainer	1	12,676	01.11.00
37	Stroboscope Trainer	1	13,828	01.11.00
38	Force Measurement Trainer	1	19,463	01.11.00
39	Digital LCR-Q meter	1	18,030	07.03.01
40	Galvanometer 30-0-30mA	1	500	27.03.01
	Desk Type Meter			
41	0-100 μ A, 0-500 μ A, 0-10mA, 0-10v, 0-30v	5	3,150	27.03.01
42	LVDT	1	12,900	18.06.01
43	Dual RPS 0 \pm 32v/2A	1	14,628	10.01.02
44	Dual trace CRO 30MHz	2	41,600	22.01.02
45	Dual trace CRO 30MHz	2	45,379	09.10.03
46	Dual RPS 0 \pm 32v/2A	1	16,459	09.10.03
47	Piezo Electric Transducer	1	11,760	21.02.04
48	Desauty's Bridge	1	3,914	21.02.04
49	Digital Sound Level Meter	1	4,837	21.02.04
50	CRO 30 M.Hz	1	19,277	01.04.04
51	Loading Rheostat 2.5KW/10A	1	7,410	30.04.04
52	Galvanometer 500-0-500 μ A	1	593	30.04.04
53	Ammeter (MI) 0-10/20A	2	1,976	30.04.04
54	Ammeter (MI) 0-5/10A	8	8,694	30.04.04
55	Voltmeter (MI) 0-125/250V	11	13,042	30.04.04
56	A.C Watmeter 0-5000W	2	3,754	30.04.04
57	Temperature Measurement Trainer	1	4,470	16.03.05
58	Hall effect Transducer Trainer	1	7,575	04.04.05
59	Torque Measurement Trainer	1	12,993	04.04.05
60	Hysteresis Measurement Module	1	6,266	29.04.05
61	Muffle Furnace	1	17,423	09.05.05
62	LVDT	1	5,408	12.05.06
63	Temperature Measurement Trainer – TRD	1	12,993	12.05.06
64	Temperature Measurement Trainer– Thermocouple	1	12,993	12.05.06
65	Humidity Measurement Trainer	1	9,473	12.05.06
66	Schering's Bridge	1	3,240	12.05.06
67	Anderson Bridge	1	3,240	12.05.06
68	Kelvin Bridge	1	3,240	12.05.06
69	Owens Bridge	1	3,240	12.05.06
70	Wheatstone Bridge	1	5,072	12.05.06

71	Maxwell Bridge	1	3,240	12.05.06
72	Hays bridge	1	3,240	12.05.06
73	Dual Trace CRO 30 M Hz.	2	39,183	12.04.07
74	Stop Watch	3	1,679	17.04.07
75	Decade Inductance Box	3	9,735	17.04.07
76	Decade Capacitance Box	1	3,243	17.04.07
77	Digital Sound Level Meter	1	6,092	17.04.07
TOTAL			6,93,646	

CONTROL & INSTRUMENTATION LABORATOIREIS

Total Investment: Rs 10,35,841/-

Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
1	Function Generator 1 MHz	4	42,546.00	09.10.96
2	Function Generator 20 MHz	1	30,612.00	31.01.97
3	Function Generator 20 MHz	1	30,612.00	08.04.97
4	Regulated Dual Power Supply 0+/-30V	4	29,040.00	08.01.97
5	Regulated Dual Variable Power Supply 0+-32V,0-2A	3	34,353.00	23.10.96
6	Digital IC Trainer	3	17,325.00	09.10.96
	Trainer Modules			
7	i) RC Network frequency Response	1	1,221.00	31.01.97
8	ii) RC Network Time Response	1	2,310.00	31.01.97
9	iii) UJT Characteristics	1	1,617.00	23.10.96
10	iv) Clipper & Clamper	1	1,617.00	23.10.96
11	Transformer coupled voltage Amplifier	1	1,617.00	23.10.96
12	v) PN-Zener diode characteristic	1	1,617.00	23.10.97
13	vi) RC phase shift oscillator	1	1,617.00	23.10.97
14	vii) JFET Characteristics	1	1,617.00	23.10.96
15	ix) Characteristics of SCR	1	1,617.00	12.12.96
16	x) Hartley Oscillator	1	1,617.00	12.12.96
17	xi) Class A transistor coupled Amplifier	1	1,617.00	12.12.96
18	xii) RC coupled Amplifier	1	1,617.00	12.12.96
19	xiii) Series Voltage Regulator	1	1,617.00	12.12.96
20	xiv) PID Controller Experimental study Board	1	2,184.00	08.04.97
21	Digital Integrated lab (10 BIT)	3	22,935.00	12.12.96
22	LCR Q Meter	1	15,345.00	09.10.96
23	Instrumentation Trainer	1	9,240.00	24.02.97

	Temperature Measurement - Thermocouple			
24	RTD	1	12,210.00	27.03.97
25	Instrumentation Trainer Temperature Controller	1	12,100.00	08.03.97
	Digital Multi Meter			
26	CIE 308	2	1,448.00	09.10.96
27	Servo Stabilizer (Make: KRYCARD, 5kVA)	1	9,600.00	14.11.96
28	Oscilloscope L&T make	4	75,480.00	12.11.96
29	L & T make CRO	3	56,610.00	23.04.97
30	L & T make CRO	1	18,870.00	15.05.97
31	Instrumentation Trainer LVDT	1	12,210.00	24.02.97
	AC BRIDGES			
32	i) Wheatstone's bridge	1	1,875.75	03.03.97
33	ii) Schering's bridge	1	1,875.75	03.03.97
34	iii) Anderson's bridge	1	1,875.75	03.03.97
35	iv) Hay's bridge	1	1,735.35	03.03.97
36	v) Owen's bridge	1	1,875.75	03.03.97
37	vi) Maxwell's bridge	1	1,875.75	03.03.97
38	vii) Kelvin's bridge	1	1,735.35	03.03.97
39	Energymeter 105-10A,230V AC with stand Make: INDIA/Capital	2	2,550.00	11.03.97
40	Auto Transformer Single Phase	2	10,000.00	11.03.97
41	Stop Watch	2	889.00	19.04.04
	Decade Box			
42	DRB – 5D	3	4,650.00	11.03.97
43	DRB – 6D	3	6,300.00	11.03.97
44	DCB – 5D	3	6,150.00	11.03.97
45	DIB – 5D	3	9,000.00	11.03.97
46	Portable Wattmeter	2	4,532.00	11.03.97
47	Function Generator	4	37,962.00	23.04.97
48	Thermocouple Sensor(Fe/k	4	1,622.20	08.04.97
49	RTD PT – 100 Sensor	4	2,692.00	23.04.97
50	Glass Mercury Thermometer	10	561.00	08.04.97
51	Bread Board System	10	10,230.00	30.07.97
52	RLC Second Order system	1	2,310.00	07.03.97
53	Stepper motor Controller	1	12,210.00	19.06.97
54	+/- 15V Regulated Power Supply	4	20,636.00	30.07.97
55	DC Regulated Power Supply 5V/1A	4	6,240.00	07.11.97
56	DC Regulated Power Supply 5V/2A	4	10,360.00	07.11.97
57	DC Position Controller	1	24,090.00	10.03.98

58	0-500 μ A (MC)	2	795.60	16.11.96
59	0-500 μ A (MC)	4	1,905.60	30.07.97
60	0-10 MA (MC)	6	2,325.60	31.01.97
61	0-5A (MI)	2	900.00	11.03.97
62	0-5A (MC)	14	5,569.20	30.07.97
63	0-10A (MI)	2	900.00	11.03.97
64	0-10A (MC)	10	3,978.00	30.07.97
65	0-1A (MC)	11	4,375.80	30.07.97
66	0-2A (MC)	5	1,989.00	30.07.97
67	0-50 MA (MC)	4	1,591.20	30.07.97
68	0-100 MA (MC)	4	1,591.20	30.07.97
	Voltmeters			
69	0-10V (MC)	7	2,713.20	16.11.96
70	0-300V (MI)	4	1,800.00	11.03.97
71	0-50V (MC)	5	1,989.00	30.07.97
72	0-100V (MC)	11	4,375.80	30.07.98
73	0-30V (MC)	11	4,375.80	30.07.97
74	0-5V (MC)	6	2,386.80	30.07.97
75	Lamp Load	1	400.00	
76	Temperature Controller System with LCD indicator	1	3,000.00	
77	Digital Temperature Indicator	1	1,500.00	
78	Temperature Controller	1	1,800.00	
79	Instrumentation trainer – photo electric pick up with motor (Mighty make)	1	11,837.00	22.02.99
80	Galvanometer, 30 MA	2	3,400.00	22-4-99
81	Voltmeter, 300V MI	2	1,900.00	22-4-99
82	Ammeter, 10A MI	2	1,900.00	22-4-99
83	Ammeter, 1A, MI	2	1,950.00	22-4-99
84	Ammeter, 25MA MC	2	2,100.00	22-4-99
85	Loading Rheostat 2.5 kW 239V/10A	1	8,750.00	05-4-99
86	Rheostat 510 /1.1 amps	2	1,840.00	03-2-99
87	Ac Servomotor speed torque characteristics Make: Sharp techno system	1	23,370.00	30.06.00
88	\pm 15 V RPS 1A	4	11,616.00	10.01.98
89	True RMS Digital Multimeter	1	10,725.00	10.01.98
90	110 MHz AM/FM signal generator	1	21,252.00	13.02.98
91	Square wave testing Amplifier	1	7,065.00	09.03.01
92	Rectifies type voltmeter	1	7,065.00	09.03.01
93	Digital IC Trainer	5	19,760.00	10.04.02

94	PC Based temperature control System	1	37,509.00	19.01.04
95	Lead Lag Network Simulator	1	16,883.00	19.01.04
96	Magnetic Amplifier	1	10,160.00	30.03.04
97	Study of Relay Control System	1	16,151.00	30.03.04
98	Frequency multiplies Trainees	1	2,615.00	31.03.04
99	Phase shift oscillator	1	1,755.00	31.03.04
100	Precision Rectifies	1	2,115.00	31.03.04
101	Weigh bridge oscillator	1	2,205.00	31.03.04
102	Characteristic of synchros	1	22,508.00	19.04.04
103	Portable Watt Meter	2	3,852.00	20.10.04
104	AD & DA Trainer Kit	1	3,532.00	14.10.04
105	Single Phase Inductive Load	1	9,017.00	23.09.04
106	Current Transformer Trainer	1	8333.00	07.01.05
107	Integrated Circuits Trainer	7	74,543.00	13.11.06
108	Fire Extinguisher Cylinder (5 Kg)	1	1,600.00	05.07.06
TOTAL			10,37,441.00	

PG LAB

Total Investment: Rs. 11,45,965.10

Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
1	NI {CI 6024 LCMF I/O Board with DAQ	1	31585.90	23.06.2004
2	NI PCI 6014 LCMF	3	75591.40	23.06.2004
3	R6868 – 68-Conductor Ribbon Cable	5	16877.95	23.06.2004
4	BNC 2120 Accessory	5	104884.40	23.06.2004
5	Shield Cable SH 68 –68EP	1	5063.40	23.06.2004
6	Shielded carrier SC2345 with SCC PWR02	1	13020.10	23.06.2004
7	SCCA10 2 Channel Attenuator I/P module 10-1	1	77153.65	23.06.2004
8	SCC-ACC01 1Channel Accelerometer I/P module	2	31344.80	23.06.2004
9	SCC-TC02 Thermo couple I/P module	2	15431.30	23.06.2004
10	CA1000 style enclosure	2	1446.70	23.06.2004
11	Strain relief connector	2	2894.10	23.06.2004
12	SC2043 SG 8 channel terminal card for strain gauge	1	26281.40	23.06.2004

13	120 ohm 8 quarter bridge resistor	1	482.20	23.06.2004
14	SH6850 68 to 50 pin shielded cable assembly	1	6751.20	23.06.2004
15	NI ELVIS-PCI 6070E Bundle	1	102724.90	23.06.2004
16	NI software solutions	1	247360.70	23.06.2004
17	NI PCI6014 Board	1	25200.00	23.06.2004
18	24 port switch 3 COM super stack 3 unmanaged	1	13000.00	14.10.2004
19	XEL SPZ PC based universal programmer with software	1	14964.00	22.03.05
20	Rabbit core Development KIT	1	17921.00	29.03.05
21	Scientific 5MHz Digital function generator	4	40000.00	12.04.05
22	Universal pic Embedded KIT software & ANI Extension	4	66307.00	07.05.05
23	Ethernet card for pic microcontroller	1	8881.00	07.05.05
24	89C51 based Embedded Development board with software CD & Extension Board	4	33504.00	07.05.05
25	Digital IC Torque measurement	1	12,000.00	12.07.05
26	Tektronix storage oscilloscope with extension module	1	66,375.00	09.05.06
27	Universal pic embedded trainer	3	88,920.00	20.06.06
28	1 GB DDR RAM		19,650.00	20.06.06
29	Pressure control set	1	19,600	22.07.98
30	Temperature control set	1	32,400	22.07.98
40	Electronic Flow Transmitter	1	2,08,000	24.09.99
41	Computer Based Level Process Station	1	2,08,150	04.09.00
	TOTAL		16,33,765.10	

Department of Electronics & Media Technology

Video Studio :

SL.N O.	PARTICULARS	QTY.	PRICE	Date of purchase
1	NETWORK SWITCH RACK 4U 19" HCL	1	4,790/-	05.03.2008
2	NETWORK SWITCH RACK 6U 19" HCL	1	5,550/-	05.03.2008
3	CANARA PORTAKIT UMBERELLA LIGHT	2	43,876/-	31.03.2008
4	SWITCH HP PRO CURVE 8-PORT	1	4,914/-	31.03.2008
5	SWITCH HP PRO CURVE 24-PORT	1	18,398/-	04.04.2008

6	1 KW PORTABLE LIGHT HG 10 CANARA	2	20,446/-	23.09.2008
7	1 KW FRESNEL BABY LIGHT CI-1006 SET	2	30,046/-	
8	PAR CAN	8	20,272/-	
9	JUNIOR STAND 2KW - 5KW	2	13,334/-	
10	'C' CLAMP CANARA	8	5,872/-	
11	1 KW NORMAL STAND	4	7,824/-	
12	SHURE LAVELIER MIC. OMNI DIRECTIONAL	6	47,886/-	29.09.2008
13	SHUER CARDLESS MIC.- CARRYING PROTRAIT TYPE	1	30,769/-	29.09.2008
14	DVD PLAYER SONY	2	10,200/-	01.10.2008
15	M-AUDIO TRANSIT USB	18	1,07,377/-	15.09.2008
16	HEAD PHONES AKG- K271	4	36,096/-	23.09.2008
17	AHUJA GOOSE NECK MIC GM60IL	2	1,921/-	25.09.2008
18	AHUJA BASE GMB6C	2	1,760/-	25.09.2008
19	AHUJA WALL SPEAKER PS4007	4	5,726/-	25.09.2008
20	AHUJA AMPLIFIER UB30	2	3,591/-	25.09.2008
21	12U RACK	2	23,500/-	19.09.2008
22	MDU 12 WAY NON SQUENCIAL DELAY POWER SUPPLY CMPL/08-09/208	2	18,530/-	03.10.2008
23	MDU 12 WAY SQUENCIAL DELAY POWER SUPPLY CS51200	2	21,284/-	23.10.2008
24	M-AUDIO BX5A DELUX MONITOR SPEAKER	2	20,000/-	30.10.2008
25	HPM1000 BEHRINGER HEAD PHONES	2	2,240/-	
26	ACM66 AHUJA PAGING MIC.	1	1,138/-	
27	CPA760 AHUJA AMPLIFIER	1	5,013/-	
28	BEHRINGER HEAD PHONE AMPLIFIER HA700	1	7,271/-	
29	JRX112 MI.JBL SPEAKER	1	15,233/-	01.11.2008
30	42U RACK	1	45,000/-	19.11.2008
31	VIDEO DISTRIBUTION AMPLIFIER VM1021 1:20	2	57,312/-	22.11.2008
32	DIFFERENTIAL VIDEO AMPLIFIER 104LN,1:4	1	5,760/-	22.11.2008
33	AUDIO DISTRIBUTION AMPLIFIER VM1120 ,1:10	1	33,120/-	22.11.2008
34	SEKONIC LIGHT METER	1	15,120/-	21.11.2008
35	YAMAHA DIGITAL MIXER – 01V96	1	1,38,000/-	10.12.2008
36	SE 900 8 CHANNEL INPUT VIDEO SWITCHER	1	2,06,400/-	
37	WWV- LC 1900 PANASONIC 19" LCD MONITOR	2	76,800/-	
38	TH- 50PH1MK – PANASONIC 50" HD	1	1,18,080/-	

	PLASMA DISPLAY PANEL			
39	24 DV CANARE VIDEO PATCH BAY	1	23,520/-	
40	ITC100 DATA VIDEO 8 WAY INTERCOM UNIT	1	48,480/-	
41	ITC100SL – DATA VIDEO BELT PACK	1	9,120/-	
42	1KW. HALOGEN PORTABLE LIGHT – HG10	2	9,106/-	04.12.2008
43	3 SECTION LIGHT WEIGHT ALUMINIUM STAND – STD3	2	3,662/-	
44	1KW HALOGEN FRESNEL SPOT LIGHT – CI – 1006HG	2	12,636/-	
45	HEAVY GROUND BASE WITH 28MM SOCKET/BORE	2	3,262/-	
46	4 LEAF BORNDOR – BD - 1006	2	1,404/-	
47	3 SECTION CUTTER HOLDING STAND – STD7	8	28,712/-	
48	REFLECTOR FRAME 4 X 4	4	27,200/-	
49	STAND FOR REFLECTOR	2	6,120/-	
50	Switch craft patch bay	1	30,267	03.01.2009
51	Palit nvidia geforce 5500FX	2 nos	2,300	27.02.2009
	Total		14, 36, 244	

Av Lab :

SL.NO.	PARTICULARS	QTY.	PRICE	Date of Purchase
1	HP XW4400 WORK STATION WITH HP 24" TFT MONITOR	8	12,00,000/-	28.03.2008
2	PROFESSIONAL 2 CHANNEL DI – BOX SPLITTER	1	2,509/-	07.04.2008
3	AVID SOFTWARE	1	2,02,800/-	26.05.2008
4	CREATIVE 2.1 SPEAKER INSPIRE T-3100	1	2,275/-	21.08.2008
5	SONY DVD WRITER 86FBA31L	1	1,300/-	06.08.2008
6	AUTO DESK MAYA UNL 2008 348-80294634	2	5,80,464/-	05.08.2008
7	AUTO DESK MAYA UNL EDU SUB PSR	2	1,61,369/-	05.08.2008
8	1 GB DDR 2 RAM	1	800/-	22.09.2008
			21,51,517/-	

Audio studio:

SL.NO.	PARTICULARS	QTY.	PRICE
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1	14 " CTV SONY FLAT SCREEN	2	14,300/-	04.08.2008
2	HPM 1000 HEAD PHONES	35	39,188/-	22.08.2008
3	ECM 8000 CONDENSER MIC	1	3,518/-	
4	DBX 166XL LIMITER/GATE	2	22,561/-	
5	DBX 1074 GUAD GATE	1	27,156/-	
6	DBX 1046 COMPRESS/LIMITER	1	27,156/-	
7	DBX 1231 EQUALIZER	1	18,382/-	
8	ALESIS MIDI VERB 4	1	15,875/-	
9	ATS 5 TABLE MIC STAND	2	1,470/-	
10	DI 100 - DI BOX	2	5,683/-	
11	DI120 – DI BOX	2	4,393/-	
12	PL2000 POWER LIGHT	2	6,178/-	
13	INTEL CORE 2 DUO PROCESSOR 3 GHZ	2	69,700/-	24.09.2008
	INTEL DG33 FBC ORIGINAL MOTHER BOARD	2		
	2 GB DDR 2 RAM	2		
	SONY DVD WRITER	2		
	80 GB SATA HARD DISK DRIVE	2		
	250 GB SATA HARD DISK DRIVE	2		
	NVIDEO GEFORCE GRAPHICS CARD FX5200	2		
	ATX CABINET 1 BALL WINDOWS XP 400 WATTS	2		
ACER 17 " MONITORS	2			
14	HEAD PHONE AMP HA400	1	1,694/-	24.09.2008
15	GITTER STRING A PEARL SET	1	169/-	24.09.2008
16	SADK 7- 7 KIT DRUM PACK	1	23,400/-	05.09.2008
17	SAC02 – PENCIL MIC	1	5,750/-	05.09.2008
18	M-AUDIO AXIOM 61 MIDI CONTROLLER	1	21,140/-	08.09.2008
19	CLAMPER POD MINI	2	1,003/-	08.09.2008
20	HA400 PREMIER BEHRINGER MICRO AMP.	2	3,394/-	01.10.2008
21	PSR-S700 YAMAHA KEY BOARD WITH ADAPTOR	1	43,450/-	29.10.2008
22	Stand and Cover For Key Board	1	1,707/-	29.10.2008
23	Dynamic Cardioid Vocal Micro Phone	2	6,892/-	14.11.2008
24	Dynamic Cardioid Instrument Micro Phone	2	8,636/-	14.11.2008
25	Dynamic Cardioid Vocal Micro Phone electro voice	2	9,508/-	14.11.2008
26	BEHRINGER ZENYX MIXER - 1204	2	22,600/-	04.12.2008

				3,35,203/-
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DEPARTMENT OF INFORMATION TECHNOLOGY

DIGITAL INTEGRATED CIRCUITS LAB

Sl. No.	Name of the Equipment	Qty.	Amount	Date of Purchase
1	Analog / Digital Function Generator	18	139741.00	01.11.2006
2	Analog and Digital IC Tester	1	24,709.00	04.07.2003
3	Multimeter	15	27675.00	28.11.2006
4	"Spark " Digital IC Trainer Kit	35	198339.5	18.08.2008
5	DC Regulated Dual Variable Power Supply	10	70,779.00	22.07.2003
6	Dual Trace Oscilloscope	18	312165.00	23.11.2006
7	5V, 2A Fixed Power Supply	10	26,330.30	20.11.2004
8	Digital Real Time Storage Oscilloscope	2	1,02,554.00	01.12.2004
9	Servo Stabilizer, 7.5 kVA	1	12,660.00	08.12.2004
10	15V, 2A Power Supply	12	39502.45	11.04.2008
11	PC Based Digital IC Tester	1	17928.00	29.03.2006
12	Communication Extension Modules	1	19277.00	11.03.2006
Total			Rs. 9, 91,660.25	

MICROPROCESSOR AND MICROCONTROLLER LABORATORY

Sl. No.	Name of the Equipment	Qty.	Amount	Date of Purchase
1	8085 Microprocessor Kit (85EB – 11)	18	83,304.00	27.01.2004
2	8086 Microprocessor Kit	38	272,081.00	18.08.2008
3	8031/51 Micro controller Kit	18	1,40,544.00	18.02.2004
4	LCR Meter	1	14,484.00	08.12.2003
5	Universal PIC Embedded Trainer	4	54,657.00	19.04.2007
6	Analog to Digital Converter	20	28,105.04	12.05.2007
7	8251 & 8253 Timer Board	13	19,317.10	08.03.2004
8	Digital to Analog Converter	20	26,933.5	08.03.2004
9	Traffic Light Control System	12	14,287.00	18.02.2004
10	Keyboard and Display Interface	20	36,380.00	12.05.2007
11	8259 Interface Card	10	16,650.00	19.04.2007

12	Speaker	2	845.00	04.10.2005
13	CD Drive	2	1260.00	22.09.2005
14	RAM DDR 256 MB	2	2200.00	06.10.2005
15	V.V. Eraser	1	3659.00	17.01.2006
16	Universal Programmer	2	35451.00	17.01.2006
17	Z-80 Micro Processor Kit	5	36689.00	21.04.2006
18	Cathode Ray Oscilloscope	10	169,013.00	24.04.2007
19	Digital Multimedia	15	24000.00	09.05.2007
20	Dual Regulated Power Supply 90 – 30V)	10	57,000.00	10.04.2007
21	Servo Stabilizer, 10 kVA	1	14,000.00	15.06.2007
22	Stepper Motor Controller	20 Set	46953.00	12.05.2007
23	8255 Add on Card	13	22878.00	08.03.2004
Total			Rs. 1,120,690.64	

Department of Biotechnology

Sl. No.	Name of Equipment	Qty.	Total Cost	Date of Purchase
1	Hot Air Oven	1	19,699.00	30.11.2006
2	Bench Top Orbital Shaker	2	79,248.00	31.07.2006
3	Penta Head Microscope	1	1,34,939.00	20.11.2006
4	Commercial Cylinder	2	2,000.00	23.10.2006
5	Pressure Cooker	2	6,600.00	30.10.2006
6	Hot Plate rectangular SS Top	1	3,200.00	14.07.2006
7.	Hot Plate rectangular Iron Top	1	2,200.00	14.07.2006
8.	Refrigerator – with V Guard Stabilizer	1	24,100.00	01.08.2006
9	Micro Oven	1	8,200.00	31.07.2006
10.	Digital Top Balance (20 Kg)	1	8,288.00	16.08.2006
11	Digital Top Balance (10 Kg)	1	7,252.00	16.08.2006
12.	Electronic Balance	1	11,248.00	16.08.2006
13	Phase Contrast Tissue Culture Research Microscope	1	1,03,600.00	16.08.2006
14	Tissue Culture Research Microscope	1	34,188.00	16.08.2006
15	Phase Contrast Attachment	1	51,800.00	16.08.2006
16	Fluorescent Attachment	1	1,11,000.00	16.08.2006
17	Writing Board	1	3,060.00	16.08.2006
18	Gas Stove	1	425.00	02.08.2006
19	Trolleys	1	2750.00	19.07.2006
20	pH Meter Digital	3	21,074.00	07.07.2006
21	Medical Microscope	10	72,940.00	11.07.2006
22	Incubator	1	27,358.00	08.07.2006

23	Electronic Top Loading Balance	1	12,736.00	04.07.2006
24	Mixie	1	2,850.00	07.07.2006
25	Balance	1	3,475.00	19.06.2006
26	Refrigerated Micro Centrifuge	2	64,000.00	21.08.2006
27	Ultra Low Temp. Freezer	1	2,90,594.00	15.08.2006
28	Water Bath	1	4,849.50	21.06.2006
29	LG CTV	1	8450.00	18.12.2006
30	Clinical centrifuge	1	4683.00	10.01.2007
31	Microspin-Non Refrigerator Micro centrifuge	1	11,000.00	21.08.2006
32	Spectrophotometer	1	44,044.00	14.12.2006
33	Liquid Nitrogen Container (1.5 Ltrs)	1	13,000.00	21.07.2006
34	Liquid Nitrogen Container (3.9 Ltrs)	1	16,500.00	21.07.2006
35	Digital Photo Electric Calorimeters	7	47,486.00	18.07.2006
36	Hot Plate SS Top	1	3,200.00	14.07.2006
37	Hot Plate Iron Top	1	2,200.00	14.07.2006
38	Refrigerator with Stabilizer	1	23,862.00	01.08.2006
39	Monocular Microscope	2	13,700.00	21.07.2006
40	Monocular Microscope	10	59,375.00	14.07.2006
41	Digital pH Meter	2	14,049.00	21.08.2006
42	Vortex Mixer	10	52,904.00	28.08.2006
43	Electronic Balance	1	13,250.00	20.07.2006
44	Binocular Microscope	10	74,045.00	24.07.2006
45	Cup Board	1	5,400.00	17.08.2006
46	Gas Stove	1	425.00	02.08.2006
47	Trolleys	1	2,750.00	18.07.2006
48	Microtome	1	13,500.00	20.07.2006
49	Mixie	1	2,850.00	07.07.2006
50	Water Bath Single walled	4	12,932.00	27.06.2006
51	Water Bath 12 Holes	1	4,849.50	21.06.2006
52	Incubator	1	17,978	11.01.2007
53	Electronic Analytical Balance	1	52,904.00	04.07.2006
54	Electronic Top Loading Balance	1	12,736.00	04.07.2006

55	Conductivity Meter	3	24,144.00	06.07.2006 & 19.10.2006
56	Hair Dryer	2	2,000.00	28.06.2006
57	Nephelometer	3	27,338.00	26.08.2006
58	DVD Writer-Block(samsung0	1	2,000	27.11.2006
59	Refrigerated Centrifuge	1	90,135.00	10.8.2006
60	Incubator	2	54,716.00	08.07.2006

61	Table Top Rough Balance	1	3,475.00	19.06.2006
62	Vortex Mixer	9	47,613.90	27.06.2006 & 28.8.2006
63	Water Bath with Thermostat	1	5,000.00	26.06.2006
64	Mixie	1	2,850.00	07.07.2006
65	Electronic Top Loading Balance	2	25,472.00	04.07.2006
66	Binocular Microscope	5	23,856.20	04.07.2006 & 08.07.2006 21.08.2006
67	pH Meter	3	21,074.00	07.07.2006
68	Muffle Furnace	1	27,432.00	12.08.2006
69	Gas Stove	1	425.00	02.08.2006
70	Magnetic Stirrer (1000 ml)	2	6,266.58	25.08.2006
71	Magnetic Stirrer (2000 ml)	2	6,871.48	25.08.2006
72	Hot Air Oven	1	19,699.00	31.07.2006
73	Refrigerator	1	22,376.00	01.08.2006
74	Stabilizer	3	13,785.00	01.08.06 & 13.11.2006
75	UV -Visible Spectro Photo Meter	1	1,82,250.00	26.08.2006
76	Hot Plate	1	2,200.00	14.07.2006
77	Colorimeter	6	40,703.00	18.07.2006
78	Digital Photoelectric Colorimeter	2	11,289.00	07.12.2006
79	Water Bath without control	1	3,121.00	08.07.2006
80	Writing Board	1	3,060.00	16.08.2006
81	Water Bath	1	4,849.00	21.06.2006
82	Gas Stove	1	425.00	02.08.2006
83	Electronic Top Loading Balance	1	12,736.00	25.08.2006
84	Magnetic Stirrer (2000 ml)	1	3,436.00	25.08.2006
85	Digital pH Meter	1	7,025.00	12.08.2006
86	Hot Plate (Rectangular with SS top)	1	3,200.00	14.07.2006
87	Hot Air Oven	1	17,100.00	14.07.2006
88	Refrigerator	1	24,100.00	01.08.2006
89	Rota Meter Test Rig Apparatus	1	48,800.00	11.12.2006
90	Calibration of orifice meter and Venturi meter	1	51,900.00	11.12.2006
91	Fluidized Bed And Packed Bed Apparatus	1	67,000.00	11.12.2006
92	Pipe Friction Apparatus	1	44,082.00	30.03.2007
93	Losses In Pipe Fittings	1	44,744.00	30.03.2007
94	Flow Through Annular Pipe	1	43,052.00	30.03.2007
95	flow through helical coil	1	43,898.00	30.03.2007

96	Plate Type Heat Exchanger	1	77,689.00	30.03.2007
97	Packed Bed Distillation Column	1	29,937.00	30.03.2007
98	Counter current Immuno electrophoresis unit	1	6,074.00	30.01.08
99	Immuno electrophoresis unit	1	6,123.00	05.02.08
100	Rocket Immuno electrophoresis unit	1	6,747.00	05.02.08
101	Plat form Rocker-"MEDOX MAKE"	1	11,257.00	06.02.08
102	Monocular Microscope	10	73,075.00	14.07.06
103	Dry Bath with standard heating Block	1	13,861.00	01.09.07
104	Electro transfer mini system	1	10,599.00	01.09.07
105	Electrophoresis power pack	1	25,174.00	01.09.07
106	Vertical slab Gel	5	22,555.00	03.09.07
107	Submarine electrophoresis	3	11,75.001	03.09.07
108	U.V Transilluminator	1	15,522.00	03.09.07
109	Auto clave-vertical	1	3,568.00	07.09.07
110	Serological water Bath	1	9,596.00	6.11.07
111	Homogeniser	1	26,643.00	21.11.07
112	Micro pipette	18	99,278.00	30.11.07
113	UV. Visspectro photometer	1	1,77,970.00	12.11.07
114	Refrigerated centrifuge 5804	1	5,05,168.00	07.01.09
115	Refrigerated centrifuge 5417R	1	3,81,250.00	07.01.09
116	Refrigerated centrifuge 5804R	1	5,08,010.00	07.01.09
117	Mastercycler EP gradient	1	5,05,168.00	07.01.09
118	LP Gas stove	1	2,293.00	20.02.09
119	Electronic balance Anamed	1	35,173.00	11.04.09
120	Refrigerator-180 L	1	9,550.00	27.08.07
121	Microwave oven	1	12,100.00	19.09.07
122	Orbital shaker incubator	1	56,812.00	11.02.09
123	Vertical mini Gel system with power pack	3	27,269.00	17.03.09
124	Vertical dual mini Gel system	2	16,307.00	17.03.09
125	Sub prep system preparation model	10	79,905.00	09.04.09
126	Incubator orbital shaker	1	47,902.00	17.03.09
127	Serological water Bath	1	8,437.00	16.03.09
128	Milli-Q-water system	1	4,00,400.00	25.03.09
129	Laminar air flow	1	41,600.00	03.03.09
130	Rough Balance	1	3,475.00	19.06.06
131	Mixie	1	21,850.00	07.07.06
132	Gas Stove	1	425.00	02.08.06
133	Clinical Centrifuge	1	4,683.00	10.01.07
134	Television	1	8,450.00	18.12.06
135	Freezer	1	6,30,600.00	23.01.07

136	All glass single distillation unit	1	35,121.00	28.02.09
137	Colony Counter	1	10,192.00	23.02.09
138	Waterbath	1	4,849.00	21.06.06
139	Orbital Shaking incubator	1	1,00,360.00	17.04.09
140	Water Bath Shaker incubator	1	20,995.00	02.06.09
141	Laboratory ball mill	1	21,671.00	02.06.09
142	Glass Scintillation Unit	1	8,713.00	12.02.2009
143	Funnel Buckner type with 200 ml. CAP:G4	1	803.00	12.02.2009
144	UV Chamber to Visualize TLC UV Cabinet	1	5,720.00	19.01.2009
145	Accupipet	1	3,650.00	11.03.2009
146	Test Seives	1	1,456.00	20.01.2009
Total Amount			28,34,870.66	

Department of Food Processing & Engineering

Food Analysis & Food Quality Testing Lab

S.No	Name of Equipment	Make	Quantity	Date of Purchase	Cost of Equipment
1.	Vortex Mixer	Darson	1	26.06.06	5,290.00
2.	Water bath with thermostat	Guna	3	21.06.06	3,233.00
			1	27.06.06 & 26.06.06	5,000.00
3.	Electronic top loading balance	Shimadzu	4	04.07.06	50,944.00
4.	Binocular Microscope	Olympus	1	07.07.06	30,218.00
5.	Incubator	Labline	1	08.07.06	27,357.00
6.	pH meter	Elico	3	07.07.06	21,075.00
7.	Muffle furnace	Newlab	1	26.06.06	27,431.00
8.	Magnetic stirrer	Remi			
	- 2000 ml		1	25.08.06	3,435.00
	- 1000 ml		1	25.08.06	3,133.29
9.	Hot air oven	Sunbim	1	30.11.06	19,699.00
10	Spectrophotometer (UV/Visible)	Perkin Elmer	1	22.04.07	4,58,000.00
11	Hot plate	Sunbim	1	14.07.06	3,200.00
12	Refrigerated centrifuge	Eltek	1	21.06.06	1,25,040.00
13	Colorimeter	Systronics	2	20.03.07	14,000.00

14	Boiling water bath	Guna	4	20.03.07	35,000.00
15	Analytical balance	Shimadzu	1	04.07.06	52,903.80
16	Digital conductivity meter	Systronics	2	20.03.07	15,000.00
17	Low temperature Freezer	Sanyo	1	15.08.06	3,32,405.00
18	Spectrophotometer Visible	Systronics	1 1	22.11.06 & 19.11.06	44,044.00 44,044.00
19	Dry bath	Bhanu	1	05.09.06	13,364.00
20	Heating block	Noelab	1	28.08.06	10,605.00
21	Vaccum pump	Delvac	2	28.08.06	24,240.00
22	Fat analyser	Jaguar	1	31.08.06	98,000.00
23	Hand held refractometer	Erma	3	25.08.06	4,703.00
24	Refrigerator	Godrej	1	01.08.06	24,100.00
25	Microwave oven	Samsung	1	31.07.06	13,000.00
26	Steamatic boiler	Maxel	1	24.11.06	2,12,437.00
27	Autoclave 550 x 350mm	Neolab	1	21.06.06	25,962.00
28	Heating mantle - 1000 ml - 2000 ml	Guna	3 3	21.06.06 21.06.06	2,880.30 3,233.0
29	ABBE Refractometer	Deepvision	1	19.06.06	7,600.00
30	Laminar air flow		2	26.06.06 & 19.07.06	1,15,604.00
31	Vortex mixer	Sphnix	1	26.06.06	5,290.00
32	Deionizer water unit	Sastha	1	29.06.06	89,100.00
33	Mixie	Philips	1	07.07.06	2,850.00
34	PH meter	Elico	2	20.03.07	12,000.00
35	Gas chromatography	Neetel	1	11.07.06	4,30,684.00
36	IR moisture analyser	Precisa	1	11.08.06	1,18,125.00
37	Fermentor	Lark	1	21.08.06	5,47,050.00
38	Submarine agarose Electrophoresis Model 3 to 2 Model 3 to 3	Biotech Gel Systems	2 2	07.08.06 07.08.06	8,585.50 12,877.50
39	Vertical slab gel electrophoresis - Model 5 to 2 - Model 5 to 2	Biotech Gel Systems	2 2	07.08.06 07.08.06	10,302.00 13,736.00
40	Electrophoresis	Biotech Gel			

	power pack - 10 to 02 - 10 to 03	Systems	2 2	07.08.06 07.08.06	6,009.50 18,887.00
41	Stabilizer – 1KVA	Servo	2	21.08.06	17,500.00
42	Sieve shaker	Lawrence & Mayo	1	21.07.06	18,247.00
43	Conductivity meter	Systronics	1	17.09.06	8,606.00
44	MPM Software for 680 Reader	Biorad Lab	1	25.09.06	33,000.00
45	Ice maker machine	Sanyo	1	15.08.06	2,09,131.88
46	Freeze drier	Labconco	1	21.12.06	57,223.03
47	FTIR Spectrophotometer	Bruker	1	29.11.06	8,38,176.00
48	Differential scanning colorimeter	Seetharama	1	22.12.06	10,94,871.00
49	HPLC	Shimadzu	1	20.06.06	13,44,000.00
50	Incubator	Labline	1	08.07.06	27,357.00
51	Spectrophotometer (UV/Visible)	Systronics	1	22.04.07	458
52	Vacuum Puffing System	Acmevac Sales Private Limited	1	06.02.07	215
53	HPLC	Shimadzu	1	20.06.06	1344
54	Gas Chromatography	Neetel	1	11.07.06	431
55	IR Moisture analyser	Precisa	1	11.08.06	119
56	Fermentor	Lark	1	21.08.06	547
57	Ice maker machine	Sanyo	1	15.08.06	209
58	FTIR Spectrophotometer	Bruker	1	29.11.06	838
59	Differential scanning colorimeter	Seetharama	1	22.12.06	1094
60	Low temperature Freezer	Sanyo	1	15.08.06	332
61	Refrigerated Centrifuge	Eltek	1	21.06.06	125
62	Flow Meter	Neolab	1	20/3/07	8000
63	Stabiliser	KryKard	1	20/3/07	13000
64	Electronic Balance	Pricisa	1	20/3/07	25000
65	Electronic Balance	Pricisa	1	20/3/07	40000
66	Flame Photo Meter	Systronics	1	20/3/07	35000
67	Al.Crucible	Setaram	300	20/3/07	65000
68	Photo Fluro	Systronics	1	20/3/07	15000

	Meter(Flurimeter)				
69	Colony Counter	DeepVision	4	20/3/07	18000
70	MultiChannel Pipette	Microlit	1	20/3/07	25000
71	Nephelo Meter	DeepVision	2	20/3/07	16000
72	PH Meter	Systronics	2	20/3/07	12000
73	Refrigerator	Godrej	1	20/3/07	9000
74	Gas Stove	Pigeon	1	08/02/06	425
75	ETL Balance	Shimadzu	1	25/8/06	12736
76	Magnetic Stirrer(2000ml)	Remi	1	25/8/06	3436
77	PH Meter(Elico)	Elico	1	12/8/06	7025
78	DE Balance	Shimadzu	2	9/10/07	23184
79	Vortex Mixer	Spinix	4	27/10/07	26000
80	Colorimeter	Systronics	4	4/10/07	25782
81	Hair Drier(Philips)	Philips	2	17/10/07	1100
82	Water Bath(Serological)	Genuine	3	11/12/07	12343
83	Exaust Fan	Almonard	1	21/1/09	2000
84	Microscope(Dollar)	Dollar	2	21/8/06	4897
85	Auto Clave	Neolab	1	21/6/06	34062
86	Heating Mantle(1000ml)	Remi	3	21/6/06	2880
87	Double Distillation Unit	Saastha	1	26/6/06	29391
88	Pipette(Torson) 1-10ul	Torsion	5	26/6/06	15675
89	Pipette(Torson) 10-100ul	Torsion	5	26/6/06	15675
90	Pipette(Torson) 20-200ul	Torsion	5	26/6/06	15675
91	Pipette(Torson) 100-1000ul	Torsion	5	26/6/06	15675
92	Boiling Water Bath	Guna	1	26/6/06	5000
93	EA Balance	Shimadzu	1	4/7/06	52403
94	Dissecting Microscope		1	18/7/06	1250
95	ETB Balance	Shimadzu	1	25/8/06	12736
96	Liquid Nitrogen Container	Cryocan	1	21/7/06	16500
97	680-Reader,PW-40 Washer	Bio Rad	1	17/11/06	289001
98	Colorimeter	Systronics	1	17/9/06	6784
99	Hydraulic	TSI	1	13/2/07	70000

	Press(Bruker)				
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R & D Laboratory & FPTC & Infrastructure Lab

S. No	Name of Equipment	Make	Qty	Date of Purchase	Cost In Rs.
1.	SS Cylindrical Tanks, 200L	Vijaya Industrial Engineering Works	1	5.02.07	120
2.	Jacketed Kettles, Stationery and Tilting	D.K. Barry	2	6.02.07	140
3.	Tubular Chiller, with Freon condensing unit	Aircon	1	21.11.07	225
4.	Chilled Water Unit	Aircon	1	21.11.07	196
5.	Dewatering Centrifuge	Pawan	1	18.07.07	203
6.	SS Swing Hammer Mill	B.S. Barry	1	06.02.07	228
7.	Fruit/ Vegetable cutting Machine	ESS EMM Corporation	1	08.03.07	126
8.	Multi Mill	Goma	1	30.08.07	159
9.	S.S Disintegrator Rigid Modular	B.S. Barry	1	06.02.07	168
10.	Walk-In-Cooler, Modular	Rinac	1	18.5.07	825
11.	Deep Freezer	Rinac			180
12.	Vacuum Sealing Machine	Sevana	1	28.03.07	135
13.	Steam Generator and Distribution System	Thermax	1	22.03.07	582
14.	Tubular Juice Pasteurizer	Goma	1	30.07.07	950
15.	Tubular Evaporator	Vijaya	1	18.06.07	650
16.	Condensing Cooling Tower	Gireesh Heat Exchangers & Cooling Towers	1	22.3.07	320
17.	Plate and Frame Filter Press	Parksan Filters	1	05.02.07	161
18.	Cont. Multipurpose Peeler	ESS EMM Corporation	1	02.04.07	160
19.	Blanching Equipment	Vijaya	1	18.06.07	375

20.	Vacuum Shelf Dryer	Sakav	1	31.07.07	1148
21.	Fluid Bed Dryer	Sakav	1	05.02.07	480
22.	Freeze Dryer	Lyophilization Systems	1	30.05.07	2288
23.	Ribbon Mixer	Goma	1	30.07.07	185
24.	Sigma Mixer	Goma	1	30.07.07	248
25.	Cross Flow Drier	Sakav	1	31.07.07	193
26.	Through Flow Dryer	Sakav	1	26.09.07	187
27.	Steamatic Boiler	Maxel	1	04.06.07	360
28.	Homogenizer	Harvest Pumps	1	20.11.08	100
29.	Coffee Seed Roster	Industrial Scientific	1	30.10.08	62
30.	Sugarcane Crusher	Saivy Pumps	1	03.01.08	42
31.	Auger Filing Machine	Acfil Machines	1	04.03.09	387
32.	Plate type Pasturizer	Filtron Engineering	1	15.12.2007	558
33.	Twin Screw Extruder	Basic Technology Ltd	1	20.02.09	1284
34.	Pasturizer Vat	Vijaya Industries	1	18.06.07	90
35.	Fruit Pulper	B.Sen Berry	1	23.04.07	22
36.	Pilot Plant Freeze Dryer	Lyodryer Scientific System Pvt. Ltd	1	04.12.07	2288
37.	Parametrical Machine	Cavin Process Tech Pvt Ltd	1	26.06.07	1146
38.	Disk Mill	Goma Engineering Pvt Ltd	1	30.07.07	92
39.	Granulator	CAD Mech	1	30.04.08	109
40.	Sieving, Granding & Straining Machine	CAD Mech	1	30.04.08	121
41.	CAD Mill	CAD Mech	1	30.04.08	199
42.	Baby Oil Expiller	Agro Mech	1	18.08.08	88
43.	Spray Dryer	Filtron Engineering	1	04.06.07	1029
44.	Air Compresser	City Electrical Corporation	1	26.08.08	60
45.	Pouch Processing Retort	Lakshmi Engineering	1	02.02.09	625
46.	Vaccum Filing Machine	D.K. Berry & Co	1	03.05.06	37
47.	Pulper	D.K. Berry & Co	1	03.05.06	19

48.	Screw Type Pulper	D.K. Berry & Co	1	03.05.06	21
49.	Fruit Mill	D.K. Berry & Co	1	03.05.06	16
50.	Pine apple Fruit Slicer	D.K. Berry & Co	1	03.05.06	50
51.	Centrifugal Milk Pump	Sri Pumps	1	05.03.07	14
52.	Robotic Manual Hydraulic hand pallet truck	Robotic Equipment	1	10.03.07	18
53.	Nitrogen flushing machine	Sevana elect	1	28.03.07	30
54.	Portable stirres	B.Sen Berry&co	3	23.4.07	30
55.	Centrifugal Milk Pump	Sri Pumps	2	01.06.07	28
56.	Electrical platform scale	Arvey scale	1	25.3.09	12
57.	Destoroner unite	Agromech Engineering	1	06.08.08	28
58.	Drilling machine	Hardware tools	1	01.04.09	2
59.	Electric oven	Udayam Engineering	1	09.05.06	57
60.	Cake Mixer	Udayam Engineering	1	09.05.06	47
61.	Exhaust Box	D.K. Berry & Co	1	03.05.06	87
62.	Hydraulic Press	D.K. Berry & Co	1	03.05.06	62
63.	Crown Croking Machine	D.K. Berry & Co	1	03.05.06	5
64.	Seaming Machine	D.K. Berry & Co	1	03.05.06	54
65.	Refarming Unit, Head Flanger	D.K. Berry & Co	1	03.05.06	57
66.	Empty Can washer	D.K. Berry & Co	1	03.05.06	16
67.	Canning retorts	D.K. Berry & Co	1	03.05.06	54
68.	Refrigerator	Bharat	1	01.08.06	24
69.	Stematic Boiler	Thermax Limited	1	24.11.06	212

70.	Mixie	Ananatha Corporation	3	19.02.07	8
71.	Microwave Oven	Ananatha Corporation	1	19.02.07	5
72.	Wipper	Big Bazaar	4	24.07.07	5
73.	Rice milling Machine	Agro Mech	1	09.07.08	160
	Minimaize mill	Agro Mech	1	06.10.08	137

Chemical Engineering Lab

S.No	Name of Equipment	Make	Qty	Date of Purchase	Cost in Rs.
1	Plate type Heat Exchanger	Almech	1	30.03.07	77
2	Venturimetre/ Orifice Metre	Almech	1	11.12.06	51
3	Packed Bed Distillation setup	Almech	1	04.03.09	207
4	Plate Type Heat Exchanger	Almech	1	04.03.09	170
5	Shell and type heat Exchanger	Almech	1	11.01.06	49
6	Annular Pipe Apparatus	Almech	1	30.03.07	43
7	Composite Walls	Almech	1	11.12.06	45
8	Parallel Flow Counter flow heat exchanger	Almech	1	11.12.06	43
9	Fluidize packed bed apparatus	Almech	1	11.12.06	67
10	Losses in Pipe friction	Almech	1	30.03.07	44
11	Helical Coil	Almech	1	30.03.07	43
12	Pipe Friction	Almech	1	30.03.07	44
13	Rotameter Test rig	Almech	1	11.12.07	48
14	Scrubbed surface heat exchanger	Almech	1	23.03.09	181
15	Packed Bed Distillation	Almech	1	30.03.07	29

School of Management**TOTAL INVESTMENT: Rs.7,95,403.00**

S.No.	Name of the Equipment	Quantity	Amount in Rs.	Date of Purchase
1.	Over Head Projector	2	45,915.00	01.10.1996
2.	Slide Projector	1	12,765.00	02.10.1997
3.	Pentium Computer	1	85,724.00	02.01.1998
4.	Video Castette Recorder	1	7,600.00	10.10.1998
5.	Injket Printer(690c)	1	10,450.00	30.11.1998
6.	Over Head Projector	1	17,685.00	18.02.2000
7.	Pentium III Computer	1	43,350.00	06.07.2000
8.	Over Head Projector	1	18,517.00	21.08.2000
9.	Television	1	19,500.00	29.01.2001
10.	Dot Matrix Printer	1	16,700.00	20.09.2001
11.	Over Head Projector	1	14,499.00	28.09.2002
12.	LCD Projector	1	175,000.00	08.11.2002
13.	Pentium IV Computer	1	32,000.00	03.01.2004
14.	LCD Projector	1	99,000.00	19.05.2005
15.	Public Address(Systems)	full Set	17,448.00	18.08.2005
16.	HP Laser Printer (1020)	1	9,100.00	01.09.2005
17.	Over Head Projector	4	51,000.00	06.09.2005
18.	Vaccum Cleaner	1	7,000.00	13.07.2006
19.	LCD Projector	2	1,94,060.00	06.09.2006
20.	Port Switch	1	3,150.00	09.10.2006
21.	LCD – NEC (LAMP TYPE)	2	1,09,000.00	27.08.2008

Department of English

Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
1.	Teacher's console	1	82,650. 00	09.03.2002
2.	Student's module	33	37,620. 00	09.03.2002 & 19.07.2004
3.	Multimedia Computer	2	60,000. 00	--
		20	6,00,000. 00	15.12.2006
4.	Head sets	30	51,300. 00	09.03.2002
		6	10,760. 00	19.07.2004
		4	1,100. 00	07.02.2006
		20	34,000.00	16.08.2007
5.	Audio active plus	1	12,490. 00	09.03.2002
6.	Cassette recorder	1	5,800. 00	23.04.2003
7.	580 XLR Mike	1	1,505. 00	23.04.2003
8.	DVD Player	1	4,000. 00	06.06.2005
9.	Dot Matrix Printer	1	16,000. 00	21.05.2006
10.	LCD Projector	1	80,000. 00	14.02.2006
	LCD Screen	1	1,500. 00	12.12.2005
11.	English Software (Olivia)	1	50,000. 00	30.01.2006
	English Software (Renet)	1	1,72,167.00	29.08.2006
12	Speaker (Fixed in wall)	2	1,950.00	01.09.2006
	Total		12,22,842.00	

DEPARTMENT OF PHYSICS

Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
1.	Ammeter	5	475.00	9.10.86
		5	670.00	31.10.92
2.	Bi Prism assembly	1	1,500.00	16.09.86
		1	1,500.00	22.08.87
3.	Battery eliminator	2	490.00	9.10.86
		4	1,560.00	26.02.92
		3	1,005.00	31.10.92
		4	2,400.00	2.05.95
		4	1,528.00	20.11.95
		2	764.00	23.12.95
		3	1,005.00	10.12.95
4.	Cork borer set	2	588.00	10.12.97
		1	128.00	16.09.95
5.	Charge discharge key	4	320.00	9.10.86
		2	290.00	25.02.94
6.	D.P.D.T. switch	4	260.00	16.09.86
7.	Diode characteristic apparatus	1	850.00	9.10.86
8.	Daniel cell	2	100.00	16.10.86
		2	134.00	11.11.86
9.	Dimmer stat	1	1,560.00	31.10.92
10.	Fortin's barometer	1	450.00	16.09.86

<i>Sl. No.</i>	Name of the equipment	<i>Qty.</i>	Amount	<i>Date of Purchase</i>
11.	Half meter scale	12	120. 00	16.09.86
12.	High resistance	6	252. 00	20.01.89
13.	Magnetometer (Box type)	2	340. 00	16.09.86
		2	1,150. 00	25.02.94
14.	Meter scale	10	125. 00	16.09.86
		4	98.00	18.07.07
		9	648.00	30.10.08
		5	90. 00	25.10.86
15.	Plug key commutator	3	126. 00	16.09.86
16.	Physical balance	4	1,900. 00	16.09.86
17.	Physical weight box	4	300. 00	16.09.86
		4	600. 00	16.09.86
		2	220. 00	17.06.87
18.	Potentiometer	2	720. 00	6.10.86
		2	1,300. 00	31.01.88
19.	Plug key single	9	180. 00	25.10.86
20.	Pencil Jocky	7	87. 50	11.11.88
21.	Resistance box (single dial)	2	140. 00	9.10.86
		4	760. 00	11.11.86
		2	680. 00	26.02.92
		2	780. 00	4.0697

		3	933.00	5.02.98
22.	Resistance box (2 dial)	3	1,305.00	31.10.92
23.	Resistance box (3 dial)	2	1,080.00	11.11.86

<i>Sl. No.</i>	Name of the equipment	<i>Qty.</i>	Amount	<i>Date of Purchase</i>
24.	Resistance box (4 dial)	12	8,580.00	21.11.87
25.	Resistance box (5 dial)	1	650.00	9.10.86
26.	Reading telescope	2	900.00	9.10.86
		2	1,580.00	2.05.94
		2	4,200.00	19.05.07
		2	3482.00	17.07.07
27.	Rheostat	1	130.00	9.10.86
		4	1,904.00	15.11.02
28.	Steam boiler	2	324.00	25.02.94
		6	948.00	23,12.95
29.	Stop clock	2	250.00	16.09.86
		6	1,770.00	21.10.02
		4	1,600.00	28.07.05
		10	3,400.00	27.09.08
30.	Spherical calorimeter	3	102.00	16.09.86
31.	Screw gauge	8	520.00	7.12.87
		3	114.00	20.11.95
		5	457.00	15.04.05

		5	545.00	28.10.06
		6	432.00	18.07.07
		5	560.00	27.09.08

Sl. No	Name of the equipment	Qty.	Amount	Date of Purchase
32.	Spectrometer	1	1,275.00	9.10.86
		2	2,520.00	25.10.86
	Spectrometer	1	1,350.00	21.11.87
		1	2,320.00	19.09.94
		1	3,900.00	20.11.95
		6	24,900.00	02.08.05
		4	16,640.00	17.07.07
		2	8,320.00	16.12.08
33.	Spherometer	2	72.00	25.10.86
34.	Sonometer	1	180.00	5.11.86
		2	326.00	5.11.86
		1	410.00	2.05.94
35.	Slotted weights (50 gm)	27	243.00	21.11.87
36.	Screw driver	2	0.00	19.10.91
		1 set	95.00	22.03.96
37.	Tripod stand	5	40.00	16.09.86
38.	Triode valve on board	2	190.00	16.09.86
39.	Transistor characteristic apparatus	1	1,175.00	9.10.86
		6	11,400.00	4.01.99
40.	Transistor P.N.P.	2	112.00	31.01.87

41.	Carey faster bridge	2	560.00	11.11.86
		2	640.00	21.11.87

Sl. No	Name of the equipment	Qty.	Amount	Date of Purchase		
42.	Traveling microscope	1	1,150.00	9.10.86		
		2	1,440.00	5.11.86		
		1	0.00	23.12.86		
		2	2,108.00	30.12.87		
		2	4,000.00	4.01.88		
		2	6,570.00	23.08.94		
		1	2,800.00	17.11.97		
		2	5,070.00	26.08.04		
		1	3,349.00	06.08.05		
		2	14,580.00	16.08.07		
		2	13,500.00	27.10.08		
		43.	Torsional pendulum	1	320.00	25.10.86
				1	265.00	30.03.88
2	1,150.00			19.09.94		
3	1,680.00			23.12.96		
2	1,918.00			02.08.05		
2	3,300.00			27.09.08		
44.	Weight with hanger (Black painted)			2	160.00	16.09.86
45.	Lee's disc apparatus	2	800.00	16.09.86		
		1	295.00	7.12.87		
		1	668.00	25.02.94		

		4	6,600.00	16.08.07
		2	5,200.00	27.09.08

Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
46.	Vernier caliper	1	200.00	22.09.92
		3	360.00	15.05.94
		5	620.00	2.09.94
		7	840.00	20.11.95
		3	360.00	23.12.95
		2	208.00	17.11.97
		4	416.00	10.12.97
		10	1850.00	28.10.06
		5	295.00	16.08.07
		10	2,850.00	26.09.08
47.	Meter bridge	2	300.00	16.09.86
		2	470.00	30.01.88
48.	Galvanometer	2	180.00	16.09.86
		2	240.00	19.10.90
		4	720.00	26.02.92
		2	240.00	4.04.92
		5	670.00	31.10.92
49.	Voltmeter	4	660.00	16.07.04
		3	285.00	9.10.86

		4	380.00	16.09.86
		2	300.00	20.11.95
		3	600.00	22.03.96

Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
50.	Iron stand	8	680.00	16.09.86
		5	165.00	7.12.87
		5	165.00	27.11.87
51.	Battery charger	1	850.00	9.10.86
52.	Post office box (plug type)	1	570.00	9.10.86
		2	2,050.00	17.12.87
53.	Multimeter	1	295.00	16.10.86
		1	1,760.00	1.10.92
		2	3,900.00	28.08.94
		1	3,300.00	14.02.00
		1	700.00	27.08.03
54.	Microammeter	1	1856.00	11.10.06
		2	696.00	31.12.86
		6	1,182.00	04.01.99
		12	3,024.00	11.10.02
55.	Weights (200 gm)	4	56.00	17.08.87
56.	Weight Hanger (50 gm.)	4	180.00	16.07.04

57.	Melde's string apparatus	2	160.00	27.09.08
		2	1,180.00	2.05.94
		2	1,660.00	24.01.98
		2	2,574.00	23.03.05
		2	3,400.00	19.05.07
		2	3,500.00	27.09.08

Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
58.	BPL oscilloscope	2	23,000.00	25.08.94
		1	11,250.00	27.11.95
59.	Function generator	2	6,540.00	05.01.95
		1	6,350.00	27.11.95
60.	Single optic lever	4	340.00	21.10.00
		4	500.00	23.03.01
		1	68.00	04.08.05
		2	480.00	19.05.07
		12	108.00	2.05.94
61.	Boss head (No. 1)	12	108.00	2.05.94
62.	Truth table (Breat board type)	2	2,700.00	28.02.94
63.	Compound pendulum	3	1,515.00	10.03.94
		1	570.00	19.09.94
64.	Burette clamp	10	330.00	25.02.94
65.	Resonance air column	6	2,160.00	23.12.95
66.	Cutting player	2	130.00	22.03.96
67.	Cutter	1	65.00	22.03.96

68	Tester	1	25.00	22.03.96
69.	Spanner	1 set	130. 00	22.03.96
70.	Hammer	1	43. 00	22.03.96
71.	Electronic Balance	1	35,582. 00	17.11.97
72.	Heating mandle	1	975. 00	24.01.98
73.	Ballistic galvanometer	4	4,620. 00	4.01.99
74.	Milliammeter	6	1,080. 00	3,02.99
75.	Thermister	3	7,650. 00	27.01.00
		2	5,670. 00	23.03.01
Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
76.	Laser Devices	1	29,887. 00	31.01.00
		1	29,700. 00	30.10.01
		1	2,000. 00	30.10.01
		1	4,660. 00	15.10.03
		2	7,400. 00	17.07.04
		3	13,287.00	23.08.05
		2	3,040.00	16.08.07
77.	Zener diode characteristics	3	5,400. 00	07.02.00
		2	3,390. 00	23.03.01
		4	6,436.00	06.08.05
78.	Solar cell	4	3,200. 00	7.02.00
79.	Stabilizer	1	840. 00	22.02.00
80.	Educational charts	3	1,011. 00	27.07.00

		4	1,308.00	27.07.00
		1	287.00	27.07.00
81.	Lutron luxmeter (Digital)	1	3,500.00	410.00
82.	Grating holder	10	810.00	09.05.01
83.	Milli voltmeter	6.	1,140.00	30.09.02
84.	Reading lens with torch	6	1,710.00	23.10.02
		10	9,000.00	13.06.07
85.	Compressor	1	7,000.00	21.02.03
86.	Electric stove	2	1,900.00	19.03.03
		4	4,800.00	03.09.04
		4	5,200.00	30.10.08

Sl. No	Name of the equipment	Qty.	Amount	Date of Purchase
87.	Tall knife edges	10	650.00	26.08.04
88.	Regulated power supply	4	12,380.00	03.09.04
		1	5418.40	10.11.06
89	Constant Diviation Spectrometer	1	20,700.00	15.04.05
90.	Mercury Vapour Lamp Set	2	2,525.00	19.12.06
91.	Sodium Vapour Lamp Set	2	5,858.00	19.12.06
	Total		5,70,815.90	

b. List of equipment costing more that Rs. 1 lakh:

S.No	Equipment	Make	Cost	Date of Purchase
1.	Impedance analyzer	HP 4192A LF	8,00,000.00	12.07.04

2	Physical vapour deposition system	(5Hz –30 MHz) Hind high vacuum 12A4-D	6,00,000.00	26.02.08
3.	Birefringence set up	Thor LAB	5,00,000.00	25.09.05
	Total		19,00,000.00	

Department of Chemistry

UG LAB

<i>Sl. No.</i>	<i>Name of the equipment</i>	<i>Qty.</i>	Amount	<i>Date of Purchase</i>
1	Electric Oven	1	2, 200.00	16.10.1986
2	Biscuit Balance	1	330.00	19.09.1987
3	Chemical Balance	1	650.00	29.08.1987
4	De-ioniser	1	7, 078.00	18.02.1992
		1	9401.00	30.10.2002
5	Distill Water Still	1	1, 900.00	31.10.1986
6	Fire Extinguisher	1	770.00	21.01.1987
		2	2, 600.00	15.07.2004
7	Melting Point apparatus	1	3, 184.00	20.05.1997
8	Magnetic Stirrer	1	1, 640.00	08.05.1997
9	Electronic Balance	1	31, 190.00	28.07.2000
		1	28,497. 00	08.09.2006
10	Digital Flame Photometer	1	44, 938.00	15.10.2001
11	Digital Temperature Control	1	3, 294.00	07.03.2002
12	Heating Mantle	2	2, 595.00	11.03.2002
		2	1, 600.00	19.10.2004
13	Magnetic Stirrer with hot plate	1	4, 120.00	11.03.2002
		1	3, 233.00	28.10.2004

14	Hot Plate	2	6,266.00	28.10.2004
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Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
15	pH Meter	1	9,289.00	10.10.2002
		2	10,500.00	29.10.2004
		3	16,800.00	14.09.2005
		5	28,189.00	26.09.2006
16	Spectrophotometer	1	27,558.00	11.09.2003
		2	65,000.00	11.08.2005
		2	64,604.00	06.11.2006
17	Digital Conductivity meter	3	29,340.00	18.08.2003
		4	38,320.00	11.08.2005
		5	54,159.00	26.09.2006
18	Digital Potentiometer	2	6,064.00	12.08.2003
		3	11,992.00	23.08.2005
		2	11,615.00	10.09.2006
19	Single Pan Balance	1	13,500.00	16.10.2004
Total			5,42,416.00	

b) List of Equipments costing more than Rs.1 lakh

Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
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1.	Electrochemical Workstation CH1660C	1	5,96,126.00	16.10.07
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PG Lab

Sl. No.	Name of the equipment	Qty.	Amount	Date of Purchase
1	Magnetic Stirrer with Hot Plate	2	4810.00	23.09.08
2	Heating Mantle - 250ml	2	900.00	23.09.08
3	Heating Mantle - 500ml	2	980.00	23.09.08
4	Fuming Cupboard - Technico	1	56000.00	29.10.08
5	Hand Centrifuge - Mechanical	1	376.00	01.10.08
6	Centrifuge Model	1	3848.00	01.10.08
7	Stop Watch - Digital	2	400.00	01.10.08
8	Water Bath Rectangular - 12 Holes	1	6656.00	01.10.08
9	Single Pan Electronic Balance	2	25480.00	01.10.08
10	All Glass Double Distilling Unit	1	22412.00	01.10.08
11	Hand Centrifuge -Ball Bearing	3	2496.00	21.11.08
12	Kipp's Generator - 1000ml	1	4372.00	13.11.08
13	Single Stage Vacuum Pump	1	14534.00	30.09.08
14	Double Stage Regulator	3	13062.00	17.11.08
15	Philips Dom Appliances	1	565.00	12.01.09
16	Ultrasonic Bath (Sonicator)	1	35831.00	25.02.09
17	Electrical Oven	1	35600.00	23.03.09
18	Cylindrical Oil Bath	1	8320.00	04.04.09
19	PH Meter	1	14424.00	15.04.09
20	Digital Conductivity Meter	1	7030.00	15.04.09
21	KF Titrator	1	45245.00	15.04.09

22	Mechanical Shaker	1	33280.00	30.04.09
23	Capillary Column For GC	2	28560.00	05.05.09
Total			365181.00	

Computer Centre

a) SERVERS

S.No.	Name of the Equipment	Qty.	Amount in Rs.	Date of Purchase
1.	IBM eServer Blade Server(HS21)	6	13,23,000	05.09.2008
2.	IBM eServer Blade Server(HS21)	3	8,00,000	19.01.2008
3.	IBM eServer Blade Centre(HS21) with chassis	3	9,10,000	24.09.2007
4.	IBM X 3650 Intel Dual Core	2	5,97,000	17.05.2007
5.	IBM X 3650 Intel Dual Core	1	2,50,000	17.05.2007
6.	IBM X series 365 Series	1	8,65,000	12.03.2005
7.	IBM X series 346 Series	1	2,63,700	29.06.2005
8.	IBM X series 226 Series	1	1,72,125	29.06.2005
9.	IBM Server X 235 Series	1	1,80,000	02.12.2002
10.	IBM Netfinity 3500 Series	3	5,07,000	31.08.2000
11.	IBM Netfinity 3000 Series	2	2,33,000	31.08.2000
12.	IBM AS/400e Server	1	7,40,000	17.03.2000
13.	HP infinity 2000 Server	1	1,35,000	18.3.2000
14.	HP Net Server E800	1	1,15,000	19.11.2001

b) WORKSTATION

S.No.	Name of the Equipment	Qty.	Amount in Rs.	Date of Purchase
1.	Lenovo CORE 2 Duo 2.26Ghz/1GB RAM/160 GB HDD/14" TFT MONITOR	90	Official	18.05.2009
2.	HP COMPAQ DX2480 INTEL CORE 2 DUO E8400 3GHZ/ 2GB RAM/160GB HDD/17" TFT MONITOR	92	25,76,000	21.10.2008
3.	HCL LX INFINITI PRO BL 1280/INTEL CORE 2 Duo@2.4 ghz, 2 GB DDR RAM/160 GB HDD	36	7,56,000	23.08.2008

4.	HCL LX INFINITI PRO BL 1280/INTEL CORE 2 Duo@2.4 ghz, 2 GB DDR RAM/160 GB HDD	3	63,000	23.08.2008
4.	HCL 17' Wide TFT Monitor	2	15,600	18.08.2008
5.	HCL 17' Wide TFT Monitor	64	4,99,200	22.08.2008
6.	HP DX 7400 INTEL CORE Duo /512 RAM/160 MB HDD	8	2,20,000	23.06.2008
7.	HP INTEL CORE 2 Duo 2.67GHz/4GB RAM/160 GB HDD/24" TFT MONITOR	8	12,00,000	26.02.2008
8.	HP INTEL CORE 2 DEO 512 MB RAM / 160 GBHDD / 17" TFT MONITOR	5	1,35,000	13.02.2008
9.	HP INTEL CORE 2 DEO 512 MB RAM / 160 GBHDD / 17" TFT MONITOR	55	14,54,271	17.01.2008
10.	Silicon Graphics 320 NT VISUAL Work Station	5	3,40,000	28.07.1999
11.	SUN Micro system	1	2,43,000	23.08.1999
12.	ACER – PIV@3.0 GHz DC 512 MBRAM / 80GB / 15" MONITOR	145	35,23,500	11.10.2006
13.	WIPRO P IV @ 3 GHz HT / 56 MB RAM / 40 GB HDD /1.44 FDD / 15" MONITOR	95	23,22,750	20.02.2006
14.	HP COMPAQ – P IV @ 3 GHz HT / 256 MB RAM / 40 GB HDD /17"Monitor	66	14,58,600	22.08.2005
15.	HP COMPAQ – P IV @ 3 GHz HT / 256 MB RAM / 40 GB HDD / 1.44 FDD	255	54,44,250	22.08.2005
16.	HP COMPAQ – P IV @ 2.8 GHz / 256 MB RAM / 40 GB HDD / 1.44 FDD	87	23,92,500	13.05.2005
17.	HP COMPAQ – P IV @ 2.8 GHz / 256 MB RAM / 40 GB HDD / 1.44 FDD	85	23,37,450	17.08.2004
18.	HP COMPAQ – P IV @ 2.66 GHz / 256 MB RAM / 40 GB HDD / 1.44 FDD	120	38,40,000	03.01.2004
19.	IBM NetVista – P IV @ 1.8 GHz / 256 MBRAM / 40 GB HDD / 1.44 FDD	66	20,84,064	27.08.2003
20.	Pentium IV @ 1.6 GHz 128MB RAM / 20G.B HDD 15" COLOUR MONITOR	120	54,84,950	04.06.2002
21.	Pentium III @ 933MHz 128MB RAM / 20G.B HDD 15" COLOUR MONITOR	33	12,29,250	05.10.2001
22.	Pentium III @ 866MHz 64MB RAM / 20 G.B HDD 15" COLOUR MONITOR	2	89,600	31.03.2001
23.	Pentium III @ 650MHz 64MB RAM / 10.1 G.B HDD 17" COLOUR MONITOR	5	3,50,000	30.06.2000
24.	Pentium III @ 650MHz 64MB RAM / 10.1 G.B HDD 15" COLOUR MONITOR WITH MULTIMEDIA	35	16,53,470	20.07.2000
25.	Pentium III @ 550MHz 64MB RAM / 10.1 G.B HDD 14" COLOUR MONITOR	55	20,00,000	25.09.2000
26.	Pentium III @ 450MHz/64 MB RAM/ 4.3	10	5,80,000	07.06.2000

	GB HDD/ 15"SVGA MONITOR			
27.	Pentium III @ 450MHz/64 MB RAM/ 4.3 GB HDD/ 14"SVGA MONITOR	10	4,80,000	07.06.2000
28.	Pentium II @ 400MHz/64 MB RAM/ 4.3 GB HDD/ 14"SVGA MONITOR/MULTIMEDIA KIT	5	3,05,945	20.01.2000
29.	Pentium II @ 400MHz/64 MB RAM/ 4.3 GB HDD/ 17"SVGA MONITOR	2	1,13,660	21.01.2000
30.	Pentium II @ 400MHz/64 MB RAM/ 4.3 GB HDD/ 17"SVGA MONITOR	31	14,40,000	21.01.2000
31.	Celeron 300A @ 300MHz/64 MB RAM/ 4.3 GB HDD/ 14"SVGA MONITOR	28	8,79,220	21.01.1999
32.	Pentium MMX @ 166 MHz/32 MB RAM/ 2.1 GB HDD/ 14"SVGA MONITOR	36	12,19,560	13.03.1997
33.	Pentium @ 150 MHz/16 MB RAM/1.2 GB HDD/14"SVGA OLOUR MONITOR	17	23,500	3,99,500

c) LAPTOPS

S.No.	Name of the Equipment	Qty.	Total Amount in Rs.	Date of Purchase
1.	ACER TRAVELMATE 5720 SERIES INTEL CORE2DUO 2.2 GHZ/1GB RAM/160GB HDD	20	5,90,000	06/01/2009
2.	HP COMPAQ INTEL CORE 2 DUO 1.6GHZ/1GB RAM/160 GBHDD	1	Official Laptop	21.10.2008
3.	ACER TRAVEL MATE 5720 CORE 2 DUO 1.8GHZ/1GB RAM/160 GB HDD/15"MONITOR	20	Official Laptop	0.09.2008
4.	ACER TRAVELMATE 5720 SERIES INTEL CORE2DUO 2.2 GHZ/1GB RAM/160GB HDD	22	Official Laptop	02.08.2008
5.	ACER TRAVEL MATE 5720 CORE 2 DUO 1.8GHZ/1GB RAM/160 GB HDD/15"MONITOR	5	Official Laptop	08.08.2008
6.	TOSHIBA INTEL CENRINO DUO T2300@1.66 GHX, 512 RAM 70 GB HDD	1	Official Infosys Campus Connect	13.08.2008
7.	ACER ASPIRE 5920 NWXMI 5450 INTERL CORE 2 DUO 1.66GHZ 2 GB RAM 160 GB HDD	3	1,02,000	16.04.2008

8.	HP 520 NOTEBOOK INTEL CORE2 DUO 1.6 GHz/512MB RAM/80GB HDD	3	Official Laptop	17.01.2008
9.	SONY VAIO CORE 2 DUE 2GHZ/2GB RAM/160 HDD NOTEBOOK	1	53,750	05.01.2008
10.	TRAVELMATE 4150 PENTIUM NOTEBOOK 1.5 GHz/256 MB RAM /60 GB HDD	2	93,400	19.07.2006
11.	ACER PENTIUM PROCESSOR 1.6 GHz 256 MB RAM/60GB HDD NOTEBOOK	1	43,950	31.10.2005
12.	TRAVELMATE 4150 PENTIUM NOTEBOOK 1.5 GHz/256 MB RAM /60 GB HDD	2	93,400	13.10.2005
13.	ACER TRAVEL MAKE TM4150 PENTIUM PROECESSOR 1.5/256 MBRAM/60 GB HDD NOTEBOOK	2	95,800	26.07.2005
14.	ACER INTEL PENTIUM PROCESSOR 512/MB RAM/60 GB HDD NOTEBOOK	1	86,000	08.04.2005
15.	ACER TM 4150 INTEL PENTIUM M715/1.5 GHz/256 MB RAM/60 GB HDD	1	47,000	08.04.2005
16.	TOSHIBA PENTIUM NOTEBOOK 1.5 GHz/256 MB RAM /60 GB HDD	1	1,23,000	10.10.2002

NETWORK DEVICES

SL. NO	NAME OF THE EQUIPMENT	QTY	TOTAL AMOUNT	DATE OF PURCHASE
1	Aruba 65 wireless access Point	68	Rs.10,26,800	27.05.2009
2	Aruba 61 wireless access Point	157	Rs.17,74,100	27.05.2009
3	Access Point License	256	Rs.6,25,000	27.05.2009
4	24 Port Patch Pannel	25	Rs.5,39,537	22.06.2009
5	Nortel 12 Port Poe Switch	23	Rs.7,74,038	07.08.2009
6	Aruba 61 Wireless Access Point	256	Rs.5,83,080	23.07.2008
7	Access Point License	143	Rs.16,81,968	23.07.2008
8	Aruba 61 Wireless Access Point	1	Rs.1,63,309	23.07.2008
9	Aruba 6000 Base System standard	1	Rs.10,35,030	23.07.2008
10	Aruba multi Service Mobiling Module	4	Rs.45,238	23.07.2008
11	Aruba SFP 1000 Base-T RJ45	1	Rs.5,89,565	23.07.2008
12	Policy Enforcement Firewall Module	20	Rs.3,51,051	07.08.2008
13	Nortel 12 Port Poe Switch	10	Rs.17,472	23.07.08
14	Aruba Power Injectors Single	10	Rs.47,132	11.08.2008
15	Aruba Double Section 6U Rack	4	Rs.83,200	15.11.2008
16	Nortel BES 50Ft-12T PWR Switches	25	Rs.5,39,537	22.06.2009
17	24 Port Patch Pannel	4	Rs.2,80,592	25.02.2008
18	Cisco 2811 Router	4	Rs.56,100	25.02.2008
19	Sync Serial WAN Interface card WIC 2A/S	2	Rs.1,90,736	25.02.2008

20	Cisco 2811 Router Security Bundle SEC/R9	4	Rs.1,45,600	25.02.2008
21	Cisco Catalyst 2960 Switch	3	Rs.19,500	21.02.2008
22	Wireless-N Broad Band Router	2	Rs.91,080	21.02.2008
23	Cisco Outdoor Access Point with Antenna	2	Rs.47,818	21.02.2008
24	Cisco Indoor Access Point with Antenna	3	Rs.1,13,199	21.02.2008
25	Cisco Indoor Access Point with Antenna	1	Rs.5,52,686	21.02.2008
26	Cisco Indoor Access Point with Antenna	1	Rs.4,26,910	21.02.2008
27	Cisco 4400 Series Wireless LAN Controller	1	Rs.1,48,408	21.02.2008
28	Cisco Radius Server Appliance	1	Rs.1,48,408	21.02.2008
29	Cisco Radius Server Appliance	1	Rs.1,48,408	21.02.2008
30	Cisco Catalyst 3560 Series Switch	2	Rs.2,03,424	21.02.2008
31	Cisco Catalyst 2960 Series Switch	7	Rs.34,650	29.01.2008
32	Linksys 24 Port Switch	2	Rs.13,860	05.10.2007
33	Linksys 24 Port Switch	2	Rs.13,860	05.10.2007
34	Cisco 16 port switch	5	Rs.24,750	27.09.2007
35	Linksys 24 Port Switch	5	Rs.24,750	27.09.2007
36	Linksys 24 Port Switch	3	Rs.54,375	31.08.2007
37	Linksys 24 Port 1000MBps Switch	1	Rs. 7,000	25.06.2007
38	LAN Tester - Netfox	2	Rs.10,600	24.03.2007
39	Linksys 24 Port Switch	2	Rs.1,60,096	12.03.2007
39	Cisco 2950 Switch	2	Rs.35,000	06.09.2006

40	Cisco 2800 WIC – 2T Switch	4	Rs.75,400	27.09.2006
41	Linksys 24 Port 1000Mbps Switch	4	Rs.19,802	20.09.2006
42	Linksys 24 Port Switch	1	Rs.7,000	19.09.2006
43	Fluke – Link Runner for Cable Test	1	Rs. 98,000	04.08.2006
44	Linksys 24 Port Switch	8	Rs.39,603	28.07.2006
45	Linksys 24 Port Switch	3	Rs.14,852	04.07.2006
46	Linksys 24 Port Switch	4	Rs.20,000	25.06.2006
47	Cisco 2950 Switch	1	Rs.83,250	10.05.2006
48	Cisco 24 Port Switch	1	Rs.5,221	28.04.2006
49	Cisco Catalyst 4500 switch	1	Rs. 5,15,000	26.04.2006
50	Cisco 2 port WIC 2T	1	Rs.59,000	26.04.2006
51	Out Door Wireless hotspot	2	Rs.76,350	07.04.2006
52	Out Door 16 dbi flat panel antenna	1	Rs.10,896	17.04.2006
53	Cisco 2811 series Router	2	Rs.1,94,800	28.03.2006
54	Linksys 24 Port Switch	8	Rs.46,400	08.03.2006
55	VKM Card	1	Rs.11,000	08.02.2006
56	Linksys 8 Port Switch	1	Rs.1,386	06.02.2006
57	Linksys 24 Port Switch	23	Rs.1,13,,850	05.12.2005
58	Linksys 24 Port Switch	6	Rs.32,080	22.11.2005
59	Cisco 2400 Switch	5	Rs.4,10,000	22.11.2005
60	24 Port rack mounted LIU adopter	15	Rs.49,650	22.10.2005
61	Cisco 2600 series Router	1	Rs.18,180	22.10.2005

62	Cisco 2600 – 2 MB Internet Router	2	Rs.1,94,800	12.10.2005
63	Firewall	1	Rs. 4,08,350	31.05.2005
64	D-Link 16 Port Switch	2	Rs. 8,200	19.08.2004
65	D-Link 24 Port Switch	6	Rs. 48,600	23.09.2004
66	HCL 4 Module switch	2	Rs. 88,000	27.11.2003
67	HCL 16 port switch	14	Rs. 77,700	04.08.2003
68	Cisco-2950-22+ 2FX switch	1	Rs. 1,32,000	16.04.2002
69	D- Link 22 + 2 FX port switch	10	Rs. 2,87,550	18.03.2002
70	D-Link 20 + 4 FX port switch	3	Rs. 2,64,000	02.05.2002
71	3 Com 8 Port FX Switch	1	Rs. 1,92,500	0.03.2002
72	KVM Switch	2	Rs. 33,000	12.11.2001
73	24 port 100 Mbps Switch	33	Rs.8,81,750	03.09.2001
74	Dax 16 + 1 FX port switch	5	Rs. 1,05,000	30.08.2001
75	Cisco 2600 – 2 MB Internet Router	1	RS.1,45,350	25.04.2000
76	Web Camera	4	Rs.21,000	04.03.2000
77	Ethernet switch	2	Rs.3,37,000	24.07.2000
78	Cisco-2900-22 + 2 FX switch	1	Rs.1,44,000	24.07.2000
TOTAL			Rs.1, 80, 61,303	

PERIPHERALS

SL. NO	NAME OF THE EQUIPMENT	QTY	TOTAL AMOUNT	DATE OF PURCHASE
1	Samsung TV 56"	1	Rs.2,22,000	28.01.2009
2.	LCD Projector NEC NP905G2	4	Rs.2,18,000	27.08.2008
3.	LCD Screen Wall Mount	1	Rs.28,500	24.03.2009
4.	SANYO PLC LCD Projector	1	Rs.2,96,000	04.02.2009
5.	Panasonic Digital Cordless Phone	1	Rs.7,245	21.08.2008
6.	LG DVD Writer	3	Rs.3,450	24.06.2009
7.	Sony DVD Drive	10	Rs.9,000	05.02.2008
8.	Sony DVD Writer	10	Rs.15,500	30.01.2008
9.	CD Drive LG	4	Rs.2,400	04.07.2007
10.	Hp Colour LaserJet 2700 Printer	1	Rs.27,200	10.12.2007
11.	1 GB Pen Drive	2	Rs.1,500	13.02.2007
12.	Data Line Safe(M) Cabinet (CD Rack)	1	Rs.1,45,000	13.02.2007
13.	Bosh Handy Blower	1	Rs.4,805	27.06.2007

14.	DVD Reader	4	Rs.4,800	27.03.2007
15	Web LQ DSI 5235 Printer	8	Rs.1,26,400	12/09/2006
16	Wipro LQ(Web) DSI 5235 Printer	20	Rs.3,22,000	26.06.2006
17	LCD projector Panasonic PTL B 60E	1	Rs.98,000	19.12.2006
18	Digital Multi Meter	1	Rs.2,400	12.01.2006
19	Toshiba LCD 27" Monitor	1	Rs.66,000	30.08.2006
20	Toshiba LCD 32" Monitor	1	Rs.80,000	30.08.2006
21	Sony Handy Cam (DCR HC 90E)	1	Rs.47,000	12.03,2006
22	Hp 1022 Laser Printer	1	Rs.20,100	25.07.2006
23	Hp Psc Printer 1410	1	Rs.4,500	01.03.2006
24	Wipro LQ(Web) DSI 5235 Printer	10	Rs.1,56,000	24.07.2006
25	LCD Infocus projector Lp – 850	4	Rs.8,00,000	24.05.2006
26	Toshiba LCD 27" Monitor	1	Rs.66,000	31.05.2006
27	Digital Camera (cybercast DSC W7)	1	Rs.20,360	27.09.2005
28	DVD Writer	5	Rs.14800	14.10.2005
29	LCD Infocus projector Lp – 850	2	Rs.3,70,000	08.12.2005
30	Wipro LQ(Web) DSI 5235 Printer	10	Rs.1,56,000	24.08.2005
31	LCD In focus projector Lp - 850	4	Rs.8,00,000	08.12.2005
32	Wipro LQ(Web) DSI 5235 Printer	1	Rs.1,61,000	26.06.2004
33	HP Laser Jet 8150N	10	Rs.1,52,000	30.03.2001
34	Epson LQ-1050+ Dot matrix printer	10	Rs. 1,64,000	3.12.2001
35	Epson LQ-1050 Gold	3	Rs.1,64,000	13.12.2001

	LCD Multi media projector	3	Rs.6,38,330	02.06.1999
TOTAL			Rs.54,14,290	

SOFTWARES

SL. NO	NAME OF THE SOFTWARE	USER	TOTAL AMOUNT	DATE OF PURCHASE
1	IBM Webspehre	UL	Rs. 4,57,435	18.05.2009
2	Computer Application Software	UL	Rs. 7,88,645	26.03.2009
3	Schrodinger	25 Users	Rs.14,00,000	13.10.2008
4	Amber	UL	Rs.16,000	5.2.2009
5	Fluent Academic	25 users	Rs. 6,25,000	14.03.2009
6	Campus Agreement	1no.	Rs. 7,23,166	17.02.2009
7	Primavera Contractor 6.1	25 users	Rs. 5,20,000	9.12.2008
8	Adobe Bundle	UL	Rs. 4,85,881	3.12.2008
9	XP Professional	6	Rs. 13,650	12.11.2008
10	XP Professional	27	Rs. 61,425	29.09.2008
11	XP Professional	1109	Rs.25,22,975	24.09.2008
12	Oracle 11G enterprise edition	1	Rs.15,48,321	29.09.2008
13	Media Kit for oracle 11g	1	Rs.4,992	29.09.2008
14	Easy worship	1	Rs.18760	20.08.2008
15	Symantec Antivirus Software	1000 Users	Rs.7,19,422	19.12.2007
16	Microsoft Campus Agreement	200 Users	Rs.5,40,000	28.11.2007
17	Solid Works	30Users	Rs.2,50,000	12.10.2007
18	Novel Group Wise 7 Web Access	500 Users	Rs.2,53,760	22.07.2007

19	Mentor Graphics	35 Users	Rs.9,00,000	04.12.2006
20	AUTOCAD 2007	97 Users	Rs.15,56,000	18.08.2006
21	Autodesk Education Mechanical Solution Set	500 Users	Rs.5,50,000	11.08.2006
22	Autodesk Education Architecture Solution set	1 User	Rs.41,180	30.06.2006
23				08.06.2006
24	Autodesk Educational Civil Solution set	1 User	Rs.5,000	08.06.2006
25	Novell Open Enterprise Server	1 User	Rs.4,000	31.04.2006
26	Maya Complete 7.0.1	UL	Rs.43,920	28.03.2006
27	Adobe Audition 2.0	2 Users	Rs.10,420	28.03.2006
28	Adobe Illustrator CS 2	UL	Rs.62,000	24.03.2006
29	3Ds Studio MAX	UL	Rs.29,750	10.02.2006
30	Sound Forge	35 Users	Rs.14,29,000	03.02.2006
31	NextLinx Database	25 Users	Rs.2,00,000	13.01.2006
32	RedHat Linux Enterprise 4	5 Users	Rs.38,731	06.12.2005
33	Pro Engineering	5 Users	Rs.20,800	06.12.2005
34	MATH CAD version 13	5 Users	Rs.23,500	23.11.2005
35	Corel Painter	501 Users	Rs.3,53,700	17.11.2005
36	Paint Pro 9	2 User	Rs.18.135	17.11.2005
37	Coral Draw Graphics suite 12	1 User	Rs.11,180	17.11.2005
38	Trend Micro	2 Users	Rs.21,705	17.11.2005
39	Adobe Premiere	5 Users	Rs.12,365	17.11.2005

40	Adobe Photoshop CS 2	2 Users	Rs.10,577	15.10.2005
41	Adobe After Effects	1 User	Rs.11,200	25.07.2005
42	Adobe Acrobat 7.0	1 User	Rs.46,364	08.07.2005
	Adobe Encore 1.5	UL	Rs.60,000	11.05.2005
43	Dragon Naturally Speaking 8.0	5 Users	Rs.2,08,400	15.03.2005
44	MATLAB 7	33 Users	Rs.3,25,859	11.03.2005
45	Capitaline Plus	10 Users	Rs.1,03,158	08.03.2005
46	Mentor Graphics 6.3	UL	Rs.1,91,728	07.02.2005
47	Oracle 10g Standard Software	5 Users	Rs.3,16,000	26.12.2004
48	PDLA + (Hardware lock)	5 Users	Rs.36,200	02.12.2004
49	OTDR – Bench Mark	1 User	Rs.49,500	02.12.2004
50	Tanner Tools Pro	15 Users	Rs.2,52,000	26.11.2004
51	Adobe PageMaker 7.0	35 Users	Rs.2,95,619	06.09.2004
52	ULTIBOARD 7.0	UL	Rs.63,539	19.08.2004
53	Multisim ver 7.0	UL	Rs.69,000	19.08.2004
54	Adobe Photoshop 8.0	10 Users	Rs.1,69,000	22.06.2004
55	SQL Server 2000	UL	Rs.3,30,911	28.05.2004
56	Macromedia Studio Max2004	20 Users	Rs.1,70,000	04.05.2004
57	Macromedia Director Mx 2004	UL	Rs.1,250	21.04.2004
58	EBSCO Database	UL	Rs.1,302	06.03.2004
59	Arena Simulation Software	10 Users	Rs.55,000	22.09.2003

60	MS Windows 2003	10 Users	Rs.2,86,000	15.09.2003
61	MS XP Professional	505 Users	Rs.3,49,999	29.08.2003
62	AMOS 5.0	15 Users	Rs.5,20,000	26.05.2003
63	STADDPRO 2003	UL	Rs.4,000	26.05.2003
64	Novell Netware 5.1	UL	Rs.5,750	20.05.2003
65	ANSYS 8.1	1 User	Rs.48,240	30.01.2003
66	Visual Studio Dotnet	UL	Rs.49,495	31.05.2002
67	Red Hat Linux 8.0	40 Users	Rs.3,00,000	07.01.2002
68	AWESIM Academic Version 3.01	1 User	Rs.40,000	14.10.2002
69	Macromedia Education Bundle	5 User	Rs.2,79,000	09.12.2002
70	Rational Solution	20 Users	Rs.4,250	20.08.2002
71	Dynamic Designer	10 Users	Rs.1,85,000	25.06.2002
72	E – scan Enterprise Antivirus software	33 Users	Rs.3,00,000	21.04.2002
73	SCADDS Package	35 Users	Rs.24,00,000	20.11.2001
74	FLUENT 6.0	UL	Rs.16,39,100	11.01.2000
75	SPSS 11.0	1 User	Rs.11,250	15.03.2000
76	Auto Desk Packages(GIS & Architecture Desktop)	4 user	Rs.1,52,460	26.07.2000
77	MATLAB 6.1	1 Users	Rs.63,480	17.06.2000
78	Office 2000	1 User	Rs.61,000	08.09.2000
79	VIRTUAL NC	1 User	Rs.50,000	18.10.2000
80	AutoCAD –2000 (Server	35User	Rs.1,30,000	24.11.2000

81	Version) Auto Desk Mechanical Desktop	UL	Rs.1, 58,000	30.03.1999
82	CATIA	UL	Rs.26, 000	30.03.1999
83	IDEAS 9	UL	Rs.14, 000	22.07.1999
84	SCO Unix System	UL	Rs.4, 500	22.07.1999
85	Director 7 Shockwave	UL	Rs.3, 500	15.09.1999
86	Adobe PhotoShop 5.0	1 User	Rs.30, 000	28.07.1999
87	Mathcad 8.0	1 User	Rs.6, 80,000	12.07.1999
88	Axum 5.0	UL UL	Rs.1,00,000	13.03.1998
89	Libasoft	UL	Rs.4,500	27.08.1998
90	Virtual Reality Software	UL	Rs.3,750	08.09.1998
91	UNI GRAPHICS	UL	**	08.09.1998
92	Windows 95	UL	Rs.12, 500	16.08.1998
93	Windows 98		Rs.3, 000	31.08.1998
94	Windows NT 4.0 Server		Rs.14, 850	
	Windows NT 4.0 Workstation			
	Mathematica 3.0			
	Ms Office 97			
TOTAL			Rs. 2,69,81,049	

UPS DETAILS

SL.NO	NAME OF THE EQUIPMENT	QTY	TOTAL AMOUNT	DATE OF PURCHASE
1	Consul 5 KVA UPS	1	Rs.1,00,000	18.11.2008
2	Numeric 15 KVA UPS	1	Rs.2,77,000	02.02.2008
3	Numeric 15 KVA UPS	1	Rs.1,99,000	12.02.2007
4	Numeric 15 KVA UPS	1	Rs.2,03,050	23.01.2008
5	Emerson 20 KVA UPS	2	Rs.5,90,000	29.10.2007
6	Numeric 15 KVA UPS	1	Rs.4,06,100	03.11.2006
7	Consul 60 KVA	1	Rs.5,73,881	24.10.2006
8	Merlin Gerin E 60 KVA	1	Rs.5,45,400	13.08.2006
9	Merlin Gerin E 60 KVA	1	Rs.5,45,400	07.12.2005
10	Consul 10 KVA	1	Rs.1,23,000	26.05.2006
11	Numeric 15 KVA UPS	5	Rs.10,15,250	28.10.2005
12	Numeric 5 KVA UPS	3	Rs.2,79,000	13.12.2005
13	Numeric 3 KVA UPS	4	Rs.2,60,000	13.12.2005
14	Numeric 1 KVA UPS	2	Rs.52,000	19.19.1999
15	Hykon 10 KVA UPS	1	Rs.1,20,000	12.07.2005
16	Nutech 10 KVA UPS	2	Rs.4,20,000	30.07.2002
17	HCL 0.5 KVA UPS	7	Rs.23,000	30.07.2002
18	Consul 40 KVA UPS	1	Rs.5,50,000	07.07.2000
19	Numeric 20 KVA UPS	1	Rs.3,25,000	03.06.1999
20	Numeric 15 KVA UPS	2	Rs.4,80,000	03.06.1999

21	Numeric 5 KVA UPS	1	Rs.1,25,000	03.06.1999
22	Prime Power 15 KVA UPS	2	Rs.6,07,000	03.01.1998
23	Prime Power 10 KVA UPS	1	Rs.1,69,000	24.09.1997
24	Prime Power 3 KVA UPS	3	Rs.1,41,000	17.10.1994
25	Prime Power 5 KVA UPS	7	Rs.7,35,000	03.01.1993
26	Prime Power 1 KVA UPS	3	Rs.81,000	17.10.1994
TOTAL			Rs.92,02,681	

GRAND TOTAL: Rs 1,12,727,178

LIST OF EQUIPMENTS IN THE CENTRAL RESEARCH FACILITIES

Sl. No	Equipment Name & Details	Date of Procurement	Cost (Rs. in lakhs)
1	Instrument Welder Model: J40M	06.09.2002	0.45
2	Surface Area Analyser Make : Smart Instruments Model : Smart Sorb 91	05.03.2004	2.59
3	Vacuum Diffusion pump Make : Hindivac Model: VS65D	14.03.2003	1.60
4	Precision Pyronometer Make: NI	26.02.2004	0.22
5	Gas Chromatograph Make : CIC Model : GC 2003 A	25.06.2004	5.89
6	Scanning Electron Microscope (SEM) Make : Jeol Model : JSM 6390	18.09.2007	36.14
7	Viscometer Make : Brookfield Model : LVDV II+	13.10.2007	4.00

8	X-Ray Diffractometer Make : Schimadzu, Japan Model XRD 6000	13.12.2007	32.74
9	Micro Carbon Residue Tester Make : Tanaka Scientific Ltd. Model : ACR-M3	18.07.2008	4.79
10	Constant Temperature Bath Make : GUNA	15.10.2008	0.22
11	Ultra sound mixer for Nano materials Make: HIELSCHER Model : UP400S	26.11.2008	6.50

(ii) LIST OF EQUIPMENTS FOR MEASUREMENT AND CALIBRATION

S. No	Equipment Name & Details	Date of Procurement	Cost (Rs. in lakhs)
1	Temperature Calibration Unit Calsys-650 Make : TEMSENS	20.08.2002	0.59
2	Thermo hygrometer Make: KUSAM-MECO 918	22.11.2003	0.13
3	Handy Calibrator Make: YOKOGAWA Model : CA71	23.02.2006	0.95
4	PH Tester Make: EUTOH Model: CA51/71	19.12.2003	0.05
5	Bomb Calorimeter Make : Parr Instruments Company Model : 6772	24.04.2008	5.63
6	Digital Sound Level Meter Make: CE Model: 8928	13.10.2003	0.10
7	Thermal Imager Make: Fluke Model: Ti20	23.05.2008	1.0
8	Black Body Source Make: MICRON Model: M350	10.06.2008	22.00
9	Pyrometer (3 nos.) Make: Kane-May Model KM2000	05.01.2004	1.22
10	Flow Rate Calibration for Gas Make: Bronk horst Model: μ CN – 3800 – L – EH	23.10.2007	1.74

11	Flow Rate Calibration for Liquids Make: FREHNIC Model: FMF2040	30.03.2007	0.28
12	Quartz BI-Distillation Unit (Borosil)	13.09.2006	0.66
13	Portable Helium Leak Detector Make: HINDHIVAC	2003	1.50
14	Emissivity Apparatus Make: Devices & Services Co. Model: AE1	17.04.2008	2.18
15	Data Loggers (3 units) Make: YOKOGAWA Model: DA100	28.11.2003	7.00
16	Micro welder Model: A+	19.05.2004	0.70

