

ANNEXURE - 6

Equipments (costing more than Rs. 1.00 lakh)

Name of the Department	Name of the Equipment	Cost	Make	Date of Purchase	Installation Date	Whether in working condition
Electronic Instrumentation Engineering	Pressure control trainer	1,99,900	M/s. Kuruganthi computers pvt. Ltd., Chennai.	27.10.97	30.12.98	Yes
	Temperature control trainer	1,93,200	M/s. Kuruganthi computers pvt. Ltd., Chennai.	27.10.97	30.12.98	Yes
	Level control trainer	1,99,500	M/s. Kuruganthi computers pvt. Ltd., Chennai.	27.10.97	30.12.98	Yes
	Flow control trainer	2,10,990	M/s. Kuruganthi computers pvt. Ltd., Chennai.	27.10.97	30.12.98	Yes
	Storage oscilloscope Tektronics TDS-210	60,200	M/s. Jesco scientific products Chennai.	22.10.97	07.11.97	Yes
	UPS	1,50,000	M/s. 3EM Pvt. Ltd. Chennai.	17.12.97	19.12.97	Yes
	Basic pneumatic trainer kit	80,000	M/s. Wintech turbo system pvt. Ltd. Chennai.	17.03.03	20.03.03	Yes
	Basic pneumatic trainer kit	80,000	M/s. Wintech turbo system pvt. Ltd. Chennai.	17.03.03	20.03.03	Yes
	Electro pneumatic trainer kit	1,95,000	M/s. Wintech turbo system pvt. Ltd. Chennai.	17.03.03	20.03.03	Yes
	Electro pneumatic trainer kit	1,95,000	M/s. Wintech turbo system pvt. Ltd. Chennai.	17.03.03	20.03.03	Yes
	Hydraulic and electro hydraulic trainer kit	4,80,000	M/s. Wintech turbo system pvt. Ltd. Chennai.	17.03.03	20.03.03	Yes
	IBM Computers	2,59,988	M/s. Legend Systems (P) Ltd, Chennai	02.05.03	26.06.03	Yes

	Temperature Measurement and Control KIT	60,360	Nagman Instruments, Chennai	13.01.04	02.02.04	Yes
	ABB Make SCADA Based Control Panel (Temperature, Pressure , Level control loops)	4,51,845	Niketech Electric Pvt. Ltd, Bangalore	27.01.04	02.04.04	Yes
	ABB DCS	4,00,000	Technocrat Automation Solution Pvt. Ltd., Chennai -25	10.04.05	19.11.05	Yes
	Thermal System Test rig with heat exchanger	74,293	Vi Micro systems, Chennai	10.04.05	26.08.05	Yes
	Characteristics of control Valve with and without positioner	70,420	Vi Micro systems, Chennai	10.04.05	26.08.05	Yes
	Multi process station with orifice and Venturi meter	1,40,000	Vi Micro systems, Chennai	10.04.05	26.08.05	Yes
	NI Software solutions Departmental (Lab View)	7,46,232	Trident Tech Labs Pvt Ltd. New Delhi	26.09.06	26.09.06	

Name of the Department	Name of the Equipment	Cost	Make	Date of purchase	Whether in working condition
Chemical Engineering	Study in chemical process Temperature control	1,09,780	Deepti Engg, Bangalore	24.8.04	Yes
	Study in chemical process Flow control	1,79,700	Deepti Engg, Bangalore	24.8.04	Yes
	Study in chemical process level control	1,32,200	Deepti Engg, Bangalore	24.8.04	Yes

	Bubble cap Distillation column	1,35,000	Deepti Engg, Bangalore	24.8.04	Yes
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PRODUCTION ENGINEERING

SPECIAL MACHINES LAB					
S.NO. of the Equipment	Name of the Equipment	Cost	Make	Date of purchase	Whether in Working condition
1	Lathe L21	1,13,617	Padmini	17.3.99	Working
2	Lathe L22	1,13,617	Padmini	04.1.2k	Working
3	Shaper SH1	86,889	Master Model	12.11.96	Working
4	Shaper SH2	86,889	Master Model	12.11.96	Working
5	Shaper SH3	69,889	Master Model	25.9.96	Working
6	Shaper SH4	54,252	Master Model	4.1.97	Working
7	Radial Drilling m/c	1,60,415	Master Model	3.1.97	Working
8	Capstan and Turret Lathe	2,49,855	Sew mac	21.12.96	Working
9	Cylindrical Grinder	2,00,413	Riat	19.4.97	Working
10	Gear Hobbing m/c	2,61,684	Techno	28.11.96	Working
11	Slotter SL1	55,731	Master Punjab	6.1.97	Working
12	Slotter SL2	1,17,112	Master Model	25.9.96	Working
13	Hydraulic Surface Grinder	1,40,534	Bhurji	28.5.97	Working

14	Planer	5,38,727	Dawn Brand	19.2.97	Working
15	Centreless Grinder	2,53,015	Riat Model	3.3.97	Working
16	Milling m/c	3,30,559	Raman	25.9.96	Working
17	Tool and Cutter grinder	72,723	Master Brand	22.10.96	Working
18	Hand operated Press Brake	57,720	Master Model	3.3.97	Working
19	All gear lathe 2 Nos.	1,13,617	Indian make	17.03.99	Working

METROLOGY LAB:					
S.NO. of the Equipment	Name of the Equipment	Cost	Make	Date of purchase	Whether in Working condition
1	Profile Projector	54,800	METZ-802	23.05.96	Working
2	Tool maker's Microscope	40,020	M-MODEL	11.9.96	Working
3	Auto collimator	78,093	AKT 15	7.1.97	Working
4	Mechanical Comparator	4,275	Indian	21.12.06	Working

5	Floating Carriage Micrometer	1,66,400	Indian	12.12.06	Working
6	Surface Roughness Tester	63,500	Indian	12.12.06	Working
7	Dial Calibration Centre	44,650	Indian	12.12.06	Working
8	Vibration/Shock Measurement Module	30,500	Indian	4.5.07	Working

MECHANICAL ENGINEERING

THERMAL AND HEAT TRANSFER LAB						
Sl.No	Name of the equipments	Make	Amount	Qty	P.O Number	Working
1	Steam Boiler With Turbine Unit. Pressure 15 Kg/ sq cm, Eddy current Dynamometer	FUEL PAC BOILER ENGG (P) LTD-MUMBAI	Rs-12,10,547.00	one	29, OU/96-97 Dt -26/8/96 DcNo-0319 Dt- 11.1.1997	Yes
2	Four Cylinder Four Stroke Diesel Engine With Hydraulic Dynamometer	DIWYALAXMI UDYOG INDUSTRIES COIMBATORE-6	Rs 1,57,250.00	one	P.O-0005 Dt-25-3-1997	Yes
3	Four Cylinder Four Stroke Petrol Engine With Hydraulic Dynamometer	DIWYALAXMI UDYOG INDUSTRIES COIMBATORE-6	Rs 1,45,250.00	one	P.O-0005 Dt-25-3-1997	Yes
4	Twin Cylinder Reciprocating Air Compressor test Rig	AL-MECH ENTERPRISES, UNIT-C15, COIMBATORE-21	Rs 1,0,350.00	one	P.O-008 Dt-20-12-1994	Yes
	Single Cylinder Four Stroke Diesel Engine With Electrical	AL-MECH ENTERPRISES, UNIT-C15,	Rs 1,20,000.00	one	P.O-008 Dt-20-12-	Yes

5	loading	COIMBATORE-21			1994	
6	Twin Cylinder Four Stroke Diesel Engine With Rope and brake Dynamometer	AL-MECH ENTERPRISES, UNIT-C15, COIMBATORE-21	Rs 1,50,000.00	one	P.O-008 Dt-20-12-1994	Yes
7	Air-conditioning Test Rig	Consolidated equipment service Chennai	Rs 98,000.00		110/23 Dt 11-03-1994	Yes

INFORMATION TECHNOLOGY

Major Equipment

S.No	Equipment		Purchase		Installation Date	Present Condition	
	Name	Make	Date	Cost		Working	Not-Working
<u>Computer Lab</u>							
1	IBM Server with <u>XEON Processor</u> @ 1.2.Ghz / 512 MB DDR ECC RAM/2MB L2 Cache / 36.4 GB SCSI Hard Disk / Intel 86484AA eSeries 226 Mother Board / 15" SVGA Color Monitor / IBM Mouse/ 10/100/1000 Mbps TX Ethernet Card / 2s 1p, 2 +2 FP USB Port / 104 Key Keyboard Oracle Server - 1 Linux Server - 1	IBM	29.07.02	2,12,500	3.09.02	√	Nil

2	HP-ProLiant ML350 G5 Intel Quad Core Xeon 2.33GHz/1333/ 2GB MB DDR ECC RAM /DVD-Reader 300GB SCSI SAS Hard Disk 15" LCD Color Monitor 10/100/1000 Ethernet Card / 104 Keys Keyboard / HP Mouse / 2s 1p Port (Win 2003 Server) - 1	HP	27.02.09	1,00,000	12.03.09	√	Nil
3	HP Pentium - 4 @ 2.4 Ghz Core2 Deuo / 2GB DDR2 RAM / 1 MB Cache / 160 GB SATA Hard Disk / Intel 915 G Chipset/LCD Monitor /Optical Scroll Mouse / 10/100/1000 Mbps Ethernet Card / 2s 1p, 4+2 FP USB Port / 104 Keys Keyboard (40 Nodes)	HP	19.06.08	10,02,560	17.07.08	√	Nil
4	HP Pentium - 4 @ 3.06 Ghz / 512 MB DDR RAM / 1 MB Cache / 80 GB SATA Hard Disk / Intel 915 G Chipset Monitor /Optical Scroll Mouse / 10/100/1000 Mbps Ethernet Card / 2s 1p, 4+2 FP USB Port / 104 Keys Keyboard (150 Nodes)	HP	17.10.06	36,60,070	25.10.06	√	Nil
5	LCD Projector	HP	10.06.04	1,40,566	20.07.04	√	Nil
6	Dot Matrix Printer - HD 755 (435 CPS) (3 Nos)	TVSE	27.02.09	54,000	04.03.09	√	Nil
7	Dot Matrix Printer – MSP XL CLASSIC (8 Nos)	TVSE	12.09.02	78,000	22.09.02	√	Nil

8	HP LASER JET 1000	HP	12.09.02	14,4000	16.09.02	√	Nil
9	HP Scanjet 2200	HP	12.09.02	4,250	16.09.02	√	Nil
10	CISCO 1800 Router	CISCO	10.12.05	71,518	24.12.05	√	Nil
11	Online UPS - 10 KVA with 20 Tubular Batteries (6 UPS120 Batteries)	EXIDE	24.10.02	11,90,000	03.11.02	√	Nil
12	5 Tonne Air Conditioner - Packaged Unit (10 Nos)	carrier	--	8,00,000	19.07.02	√	Nil

AUTOMOBILE ENGINEERING

S.NO	NAME OF THE EQUIPMENT	COST	MAKE	DATE OF PURCHASE	WHETHER IN WORKING CONDITION
1.	ALMECH Wind Tunnel (Open Circuit)-300mm X 300mm Test Rig apparatus	Rs. 10,60,270 /-	ALMECH ENTERPRISES	11/04/2009	YES

COMPUTER SCIENCE AND ENGINEERING

S.No.	Name of the Course	Name of the Laboratory	Total Area Of the Lab	No. of Quantity	Description	Configuration
01	B.E (Computer Science)	Compute Lab-I	405 Square meter	188 Nos.	Terminals	Pentium IV 3.0 GHZ HT, 512 MB RAM, 80GB HDD, 15" Digital Monitor, Optical Mouse with Key Board
				01 No.	Windows Server	Pentium Xeon@3GHZ HT, 512 MB RAM, 76GB HDD, 15" Digital Monitor, Optical Mouse with Key Board
				01 No.	Linux Server	X200/Single Pentium III, 1.2 GHZ/512 Cache/512 MB RAM, 36.4GB Ultra SCSI HDD, 15" Digital Monitor, Optical Mouse with Key Board
				01 No.	Application Server	Pentium Xeon@3GHZ HT, 512 MB RAM, 76GB HDD, 15" Digital Monitor, Optical Mouse with Key Board 10 KVA Numeric UPS 10 KVA Consul UPS 8 Port Hub

						24 Port D-Link Switch
						24 Port 3-Com Switch
				05 Nos.	UPS	16 Port Compex Switch
				01 No.	UPS	TVS QX-245, Dot Matrix Printer
				01 No.	Hub	
				10 Nos.	Switch	TVS MSP-245XL, Dot Matrix Printer
				02 Nos.	Switch	TVS MSP-255, Dot Matrix Printer
				02 Nos.	Switch	TVS MSP-345, Dot Matrix Printer
				04 Nos.	Printer	Wipro LQ-1050+, Dot Matrix Printer
				03 Nos.	Printer	HP Laserjet 1005 Series
				02 Nos.	Printer	HP Scanjet 2400 C
				01 No.	Printer	

				01 No.	Printer	
				01 No.	Printer	
				01 No.	Scanner	

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

1. RF Lab

Sl. No	Major Facilities	Qty
1.	Antenna measuring System with the following Radiation Pattern of the following antennas a)Halfwave dipole b)Yagi antenna c)Loop antenna d)Two element array	02 set
2.	Fixed frequency(crystal controlled)VHF (170Mhz) transmitter (100mW) Tuned frequency VHF field strength meter (45mHz-220mHz) output upto 100 dB in steps of 1dB	02 02
3.	Angular measurement round table(manually operated) Cables VHF transformer Stand	04 08 04 02
4.	RF Oscillator	02
5.	RF Crystal oscillator	02
6.	IF Amplifier(High Frequency)	02

7.	RF Mixer(high frequency)	02
8.	AF/RF signal generator	02
9.	“Scientific” 100MHZ Analog Oscilloscope model SM1001-2 Channel -2mv Delayed Sweep, Alt. Triggering with calibration certificate	04
10.	Aplab 110MHZ AM/FM Signal Generator	04

2. Electronics System Design Lab

S. No.	Major Facilities	Qty
	Edwin XP PCB Layout Software	10 User License
1.	PC to PC Wireless Communication Trainer	02
2.	Linear Power Supply Trainer	01
3.	SMPS Trainer	01
4.	DC Power Control Trainer	01
5.	AC Power Control Trainer	01
6.	Timer Design Trainer	01
7.	FM Transmitter/Receiver Trainer	01
8.	PLC Trainer to Design PLC based application	01
9.	Matlab	10

3. Digital Signal Processing and M.E. (Applied Electronics) – Design lab

4.	DSP – 5013 DSP + Embedded MC	03
5.	Universal Programmer for DSP	1
S. No.	Name of the Equipments	Qty
1.	MAT Lab (10 User license)	07
2.	ADSP218K Starter kit 33MHz, with required Software	01
3.	ADSP218K Evaluation Board	05
4.	DSP Kit Texas	05
5.	DSP Kit Texas	05
6.	DSP Kit Texas	05
7.	DSP Kit Texas	05
8.	DSP Kit Texas	05
9.	DSP Kit Texas	05
10.	DSP Kit Texas	05
11.	DSP Kit Texas	05
12.	DSP Kit Texas	05
13.	DSP Kit Texas	05
14.	DSP Kit Texas	05
15.	DSP Kit Texas	05
16.	DSP Kit Texas	05
17.	DSP Kit Texas	05
18.	DSP Kit Texas	05
19.	DSP Kit Texas	05
20.	DSP Kit Texas	05
21.	DSP Kit Texas	05
22.	DSP Kit Texas	05
23.	DSP Kit Texas	05
24.	DSP Kit Texas	05
25.	DSP Kit Texas	05
26.	DSP Kit Texas	05
27.	DSP Kit Texas	05
28.	DSP Kit Texas	05
29.	DSP Kit Texas	05
30.	DSP Kit Texas	05
31.	DSP Kit Texas	05
32.	DSP Kit Texas	05
33.	DSP Kit Texas	05
34.	DSP Kit Texas	05
35.	DSP Kit Texas	05
36.	DSP Kit Texas	05
37.	DSP Kit Texas	05
38.	DSP Kit Texas	05
39.	DSP Kit Texas	05
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41.	DSP Kit Texas	05
42.	DSP Kit Texas	05
43.	DSP Kit Texas	05
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53.	DSP Kit Texas	05
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82.	DSP Kit Texas	05
83.	DSP Kit Texas	05
84.	DSP Kit Texas	05
85.	DSP Kit Texas	05
86.	DSP Kit Texas	05
87.	DSP Kit Texas	05
88.	DSP Kit Texas	05
89.	DSP Kit Texas	05
90.	DSP Kit Texas	05
91.	DSP Kit Texas	05
92.	DSP Kit Texas	05
93.	DSP Kit Texas	05
94.	DSP Kit Texas	05
95.	DSP Kit Texas	05
96.	DSP Kit Texas	05
97.	DSP Kit Texas	05
98.	DSP Kit Texas	05
99.	DSP Kit Texas	05
100.	DSP Kit Texas	05

	1.Xilinx Spartan III 2. Xilinx Virtex 2E 4. AlteraMaxCyclone	
10.	ADD on Cards 1. ALU module 2. Digital Clock module 3. SRAM module 4. MUX/DEMUX 5. 8255 Simulation 6. Stepper motor	2 1 1 2 1 1
11.	CPLD Boards	5
12.	PIC Microcontroller development system	5
13.	Piggy Back Boards 1. PIC16F874 2. PIC 16F877 3. 16F876	2 2 2
14.	Application Boards 1. Stepper Motor 2. ADC 3. RTC Counter	2 2 2
15.	Universal Programmer for Embedded systems	01
16.	Xilinx Software with Third party tools	01
17.	PSPICE Software/ EDWIN XP- SPICE (10 User License)	01
18.	Logic Analyzer	01

4. Optical Fiber communication Lab

S.No	Name of the Equipment	Qty Nos
01	Fiber Optic System Consisting of a. Analog Transmitter Trainer Kit. b. Analog Receiver Trainer Kit c. Digital Transmitter/Receiver Trainer Kit d. Advanced Digital Transmitter/Receiver Kit.	04
02	Fiber Optic Link-E LASER based Fiber Optic Trainer Kit.	01
03	AL-DL Fiber Optic Link for Multimode Fiber With 05 set of PCBs& Boxes,Component list and Circuit Diagram for Link design	01
04	Model M100 Fiber Optic Power Meter with calibration Certificate.	01
05	Optical Components a. SFH 450 – Fiber Optic LED in INFRA Range b. SFH 756 – Fiber Optic LED in Visible Range. c. SFH 250 – Fiber Optic Detector For Analog Application. d. SFH 551 –Fiber Optic Detector for Digital Application. e. Plastic Fiber Optic Cable. f. Boxes	02 03 02 03 05 Meters 10
06	Glass Fiber a. Monomode Fiber -9/125 Single Mode Fiber. b. Multimode Fiber -62.5/125 c. Multimode Plastic Fiber.	200 Meters 50 Meters 50 Meters
07	Computer Systems	04(P IV ,128 SD RAM) 40 GB.
08	Optical Time Domain Reflector	01 mm

5. Communication lab

S.No	Name of the Equipment	Qty Nos
1	Pulse code modulation kit	01
2	Line coding kit	01
3	Noise Generator	01
4	Spectrum analyzer	01
5	Digital Storage Oscilloscope	01
6	Power meter	02
7	Direct reading Frequency	02
8	Coupling Fiber& Connector Splicer	1 set
9	Pin Diode Avalanche Photo Diode	1 set
10	Detector Diode	05
11	AM Radio Receiver	02
12	FM Radio Receiver	02

6. Microwave & communication lab

Sl. No.	Major Facilities	Qty
1.	Microwave Work Bench- (including Klystron & Gunn source)	08
2.	C.R.O (Dual trace)(30 MHz)	08
3.	F.G (upto 1 MHz)	12
4.	Frequency Counter	02
5.	Spectrum Analyser	01
6.	Digital Storage Oscilloscope	01
7.	TV	01
8.	Pattern Generator	02
9.	AM/FM Signal Generator	02

10.	AF/RF Signal generator	02
11.	Radio Demo kit AM	03

7. Microprocessor lab

S. No.	Name of the Equipments	Qty
1.	DAC Interface	08
2.	ADC Interface	04
3.	Stepper Motor Interface	04
4.	Traffic Light Interface	03
5.	Seven segment Display Interface	03
6.	Key Board Interface	02
7.	USART Interface	06
8.	16 channel ADC 8 Bit Interface	02
9	Temperature Sensor Interface	04
10	EPROM Programmer	03

8. PC based Control lab

S. No.	Name of the Equipments	Qty
1.	LVDT calibration Jig with Stepper Motor	- 03
2.	Sewing Machine Motor	- 02
3.	Stepper motor Power Supply	- 02
4.	LVDT measurement Trainer	- 03
5.	Stepper Motor Interface	- 02
6.	I & C lab Speed Measurement Trainer	- 02
7.	I & C lab Power Controller Trainer	- 02
8.	PC- Lab Data Acquisition Interface	- 05

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

1. Electrical Machines laboratory

1. 5 KVA Alternator Kirloskaar Make
2. 5 KVA Synchronous Moto Kirloskaar Make
3. 3 HP Induction Motor Kirloskaar Make
4. 5 HP DC shunt motor- Kirloskaar Make
5. 5 HP DC compound Generator
6. 3 KVA Three Phase Transformer
7. 415 V , 10 A, Three phase Inductive Load
8. 5 KVA Resistive Load
9. 5 KVA Capacitive Load
10. 3 KVA Three Phase Autotransformer
11. 3 KVA Three Phase Isolation Transformer
12. 5HP DC Series Generator - Kirloskaar Make

2. Control System laboratory:

- 1.AC servo Motor with PID controller
- 2.PLC Trainer kit 8 I/O with Add Modules: Stepper motors and Temperature Control module
- 3.Cathode Ray Oscilloscope
- 4.Displacement Measurement Trainer Using LVDT
- 5.DC Position Servo control Kit
- 6.DC Stepper Motor
- 7.Compensator Module
- 8.Synchro – Compensator Module
- 9.First second order Op-Amp Simulator

3. Measurements & Instrumentation laboratory:

1. Digital Storage Oscilloscope
2. Three Phase Auto Transformer
3. Sine wave Oscillator
4. PLC Trainer Kit
5. Digital IC ,Torque measurements 8255, 8051

4. Power Electronics laboratory :

1. PWM Inverter based three phase Induction motor Drive
2. TPIM three phase Inverter Kit
3. Three Phase AC voltage controller Thyristor Model
4. Cathode Ray Oscilloscope
5. Microprocessor based Three Phase Thyristor triggering Circuit
6. Single Phase Half controlled Bridge Converter
7. Two 1HP DC Motor
8. Two 0.75KW 3 ϕ Induction Motor
9. Mc Murray BEDFORD Full Bridge Inverter (PEC 14 M14M Inverter)

5. Simulation laboratory:

1. IBM X205 server(P IV @ 2.8 GHz)
2. 33 HCL BusyBee Workstations(512Mb ram)
3. 6 Hp (1Gb ram) workstations

List of Software:

1. MATLAB
2. ORCAD
3. PsCAD
4. AU POWER LAB
5. ETab

Printers:

1. HP laserJet 1022
2. HP deskjet 3550
3. Two DOT matrix

6. Electric Circuits laboratory :

1. Cathode Ray Oscilloscope
2. Dc power Supply
- 3..Function Generator

7. Microprocessor laboratory:

- 1.8085 – Microprocessor kit
- 2.8051 –Microcontroller kit

8. Electrical Workshop :

1. Oil Testing kit on 230 VA.C. Output 0-60 KV
- 2.Winding Study motor 5 HP 3 Phase 415 V A.C.36 Slots Motor
- 3.Earth Megger ‘CIE’ make
4. 14’ X 14’ winding machine ‘ALFA’ make

Department of Bio-Technology:

S.No.	Name of the Department	Name of the Equipment	Cost	Make	Date of Purchase	Whether in Working Condition
1.	Biotechnology	PCR	Rs.2.59 Lakhs	Eppendorf (Germany)	20/10/2004	Yes
2.		Uv - Vis. Spectrophotometer	8544 US \$	Perkin Elmer (Germany)	23/12/2002	Yes
3.		FTIR	Rs.10.32 Lakhs	Perkin Elmer (Germany)	21/02/2003	Yes
4.		Flourimeter	Rs.8.87 Lakhs	Perkin Elmer (Germany)	21/02/2003	Yes
5.		Fermentor	Rs.13.05 Lakhs	Biostat (Germany)	23/02/2003	Yes
6.		ELISA Reader	Rs.3.10 Lakhs	Bio-Rad (USA)	30/09/2004	Yes
7.		Gel Documentation	Rs.3.67 Lakhs	Biotech - Yercaud	25/08/2003	Yes
8.		Sonicator	3567 €	dr.hielsher (Germany)	7/10/2004	Yes