



RGM COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)
NANDYAL -518501 (DT.), ANDHRA PRADESH
ESTD:1995

LABORATORY EQUIPMENT COST AT GLANCE (AS ON 09-03-2026)

S.No.	DEPARTMENT	COST OF EQUIPMENT, Rs. in Lakhs
1.	Civil Engineering (CE)	130.45
2.	Electrical and Electronics Engineering (EEE)	242.87
3.	Mechanical Engineering (ME)	267.63
4.	Electronics and Communication Engineering (ECE)	412.64
5.	Computer Science and Engineering (CSE) & MCA	240.72
6.	Computer Science and Engineering (Data Science) CSE (DS)	131.37
7.	Computer Science and Engineering (Artificial Intelligence and Machine Learning) CSE (AIML)	76.28
8.	Computer Science and Engineering (Cyber Security) CSE (CS)	05.89
9.	English	32.32
10.	Maths	05.51
11.	Physics	41.94
12.	Chemistry	08.19
13.	MBA	01.83
	Total Equipment Cost in Rs.	1597.64

Table: Department Laboratory Equipment cost. (As on 09.03.2026)

DEPARTMENT OF CIVIL ENGINEERING

Brief Summary of Amount Spent on Each Laboratory.(Updated On 07/02/2026)

S. No	Name of the Laboratory	Amount in Rupees
1	Geodetic Engineering (Surveying) Lab	20,19,325.00
2	Strength of Materials Laboratory	15,07,117.00
3	Engineering Geology Lab	1,04,689.29
4	CAD & GIS Lab	52,91,323.00
5	Concrete & Highway Lab	21,07,544.34
6	Environmental Engineering Lab	9,22,829.72
7	Geotechnical Engineering Lab	10,52,775.03
8	Engineering Mechanics Lab	40,113.00
	Total	1,30,45,716/-

Surveying Lab

SNo	PROCUREMENT DETAILS					Company name
	DATE	DESCRIPTION	PRICE	QTY.	COST	
1	13-7-2009	Chain - 30 m	1310.40	5	6552.00	
2		Chain - 20 m	1123.20	1	1123.20	
3		Ranging Rods - 3 m	397.80	25	9945.00	
4		Cross Staff Wooden	468.00	2	936.00	
5		Cross Staff	370.50	4	1482.00	
6		Compass with Tripod	1326.00	5	6630.00	
7		Compass with Tripod	1950.00	1	1950.00	
8		Optical Square	624.00	2	1248.00	
9		Box Sextant	1778.40	2	3556.80	
10		Planimeter	858.00	3	2574.00	
11		Theodolite	11700.00	5	58500.00	
12		Theodolite-Inverted Image	11310.00	1	11310.00	
13		Plain Table	3666.00	4	14664.00	
14		Dumpy Level	5460.00	1	5460.00	
15		Dumpy Level-Inverter Image	5226.00	1	5226.00	
16		Levelling Staff	1014.00	5	5070.00	
17		Levelling Staff	1248.00	1	1248.00	
18		14-8-2009	Automatic Level	6240.00	2	
19	Electronic Theodolite		60840.00	1	60840.00	
20	21-10-2009	Automatic Level	16197.50	2	32395.00	
21		Total Station Theodolite	334400.00	1	334400.00	

SNo	PROCUREMENT DETAILS					Company name
	DATE	DESCRIPTION	PRICE	QTY.	COST	
22		(Trimble) Tapes 15m	600.00	1	600.00	
23	2-9-2011	Tapes 30m	404250.00	1	404250.00	
24		Total Station Theodolite (Trimble)		1		
25	23-7-2014	Laser Distance Meter, (Leica Disto D2)	5990.00	1	5990.00	
26	13-10-2014	Chains, 30 m	1772.00	3	5316.00	
27	5/5/2015	Leica Make Autolevels	13125.00	4	52500.00	
				Total	1046246.00	
28	17/8/2016	Ranging Rods	310.00	20	6510.00	Aimil Ltd instrumentation and Technologies
29		Transit Theodolite	13230.00	2	27783.00	
30		Trimble M-1 5' Optical Plummet Prizm assembly, graduated telescopic range pole, heavy duty wooden tripod with dual clamp	338153.00	1	355061.00	
31		Trimble M-3 5' Total Station with Trimble accessories ,lazer plummet, prizm assembly graduated telescopic range pole	424630.00	1	445861.00	

SNo	PROCUREMENT DETAILS					Company name
	DATE	DESCRIPTION	PRICE	QTY.	COST	
		heavy duty wooden tripod with dual clamp				
32	29-08-2016	Laser Distance Meter, (Leica Disto D2)	11990.00	1	11990.00	
33	29-08-2016	Hand held GPS	16500.00	1	16500.00	
34	30-08-2016	Everyday Ultimo Recharger	920.00	1	920.00	
				Total	864625.00	
				Total Amount till 2016-17	1910871.00	
35	25-09-2017	Wooden cross staff	550	5	2750	
36	25-09-2017	Prismatic compass	1600	5	8000	
				TOTAL	10750.00	
				Total Amount till to-2018	1921621.00	

SNo	PROCUREMENT DETAILS					Company name
	DATE	DESCRIPTION	PRICE	QTY.	COST	
37.	03/09/2022	a) Electronic Theodolite-modelleta02	63,000	1	63,000	(LYNX) Lawrence & Mayo Pvt. Ltd, Vizag
		b) Standard Vernier Theodolite	18,000	1	18,000	
		c) Aluminium Levelling staff Folding 4 MTRS	1800	1	1800	
					CGST Payable	
				SGST Payable	7,452	
				Total Amount up to 2023 April	20,19,325.00	

Rupees Twenty Lakh Nineteen Thousand Three Hundred and Twenty Five only

Strength of Material Laboratory

S.No	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST
1	24-3-1997	Torsion Testing Machine	89650.00	1	89650.00
2		Tensile Testing Machine [Springs]	43900.00	1	43900.00
3		Brinell's Hardness Tester [3000J]	28750.00	1	28750.00
4		Rockwell Hardness Tester	12900.00	1	12900.00
5		Impact Testing Machine	42500.00	1	42500.00
6		2-4-2000	Simply Supported Beem for Deflection	1000.00	1
7	31-3-2006	Digital Compression Testing Machine [3000KN]	320793.00	1	320793.00
8	17-7-2009	Dial Gauge	2600.00	2	5200.00
9		Magnetic Stand	1248.00	2	2496.00
10		Vernier Calipers 200 mm	936.00	3	2808.00
11		Screw Gauge 0.25 mm	780.00	2	1560.00
12		Cube Moulds 150 x 150	884.00	3	2652.00
13	28-5-2010	Computerized Universal Testing Machine [60 Tones]	820000.00	1	820000.00
14	25-8-2015	Dial Gauge with Magnetic Stand	5011.50	2	10023.00
				Total	1384232
				Total Amount till 2015-16	1384232

Equipment added in the academic year 2019-20

15	21-08-2019	Grips for round specimen10-25mm UTN 60T	15340	1	15340.00
16	17-08-2019	Conversion kit for 3000KN EDI Digital CTM	107545	1	107545.00
				Total	122885.00
		TOTAL		Total Amount till 2019-20	15,07,117.00

Rupees Fifteen Lakh Seven Thousand One Hundred and Seventeen only

Engineering Geology Lab

SNo	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST
1	17-7-2010	Hardness Collection: Set of 9 Minerals	1123.65	1	1123.65
2		Lustre Collection: Set of 10 Minerals	1123.65	1	1123.65
3		Cleavage Collection: Set of 10 Minerals	1123.65	1	1123.65
4		Fracture Collection: Set of 6 Minerals	1123.65	1	1123.65
5		Tenacity Collection: Set of 4 Minerals	1123.65	1	1123.65
5		Streak Collection: Set of 10 Minerals	1123.65	1	1123.65
6		Feel Properties: Set of 10 Minerals	1123.65	1	1123.65
6		Form & Structure: Set of 50	14187.50	1	14187.50
7		Minerals			
7		Streak Plates:	56.75	25	1418.75
8		Plastic Specimen Trays	34.05	120	4086.00
9		Rock Specimens	306.45	46	14096.70
10		Mineral Specimens	306.45	46	14096.70
11	23-9-2010	Mineral - Large Size (Set of 25)	3154.48	1	3154.48
12		Rocks - Large Size (Set of 25)	3154.48	1	3154.48
13		Magnifying Lens 4" diawith	163.16	8	1305.28

14		SS Handle Rock & Volcanoes Model 100 x 75 cm	2066.73	1	2066.73
15		Folds & Faults 100 x 75 cm	2066.73	1	2066.73
16		Conventional Signs	2066.73	1	2066.73
17		Formation of Rocks 100 x 75 cm	2066.73	1	2066.73
18		Model of Earthquake 100 x 75 cm	2066.73	1	2066.73
19	28-8-2010	Minerals Small Size (Set of 30)	450.00	2	900.00
20		Rocks - Small Size (Set of 30)	450.00	1	450.00
21		Geological Map	959.40	1	959.40
22		Mineral Map	955.80	1	955.80
23		Fault Model	2812.50	1	2812.50
24		Fold Model	2812.50	1	2812.50
25	26/7/2014	Wooden Boxes	1600.00	6	9600.00
26	05/08/2014	Wooden Box	1000	1	1000.00
27	6/8/2014	Wooden Boxes	1150.00	10	11500.00
				TOTAL	1,04,689.29
One Lakh Four Thousand Six Hundred and Eighty Nine only					

CAD & GIS Laboratory

SNo	PROCUREMENT DETAILS					
	DATE	DESCRIPTION	PRICE	QTY.	Company name	COST
1	30-6-2011	Arc View version 10.25 User Lab. Kit on Windows	480000.00	1		480000.00
2	6-7-2011	STAAD Pro V8i BECN Bundle- Perpetual License with IS Design Code-BECN Bundle Consisting of STAAD Pro, STAAD Foundation, Power REBAR, Section Wizard and RAM Concept Software to work on Win SELECT Subscription for 3 Years.	143114.00	1		143114.00
3	30-11-2011	Computers	17980.20	25		449505.00
4	29-10-2012	ArcGIS Desktop Spatial Analyst	88020.00	1		88020.00
5	29-10-2012	ArcGIS Desktop 3D AnalystExtension	88020.00	1		88020.00
6	7/11/2013	BECN Asia Civil Bundle consisting of 1. MX Suite 2.ower Civil 3. Power Map to work on Winxp/Win7	245303.00	1		245303.00
7	7/12/2013	Select Bundle of BECN Civil Bundle Consisting of 1. MX Suite 2.ower Civil 3. Power Map	92967.00	1		92967.00
8	23-7-2015	Projectors (Epson Multimedia) 3nos, Screens 2 nos, Speakers, 1 TB Hard disk	99990.00	1		99990.00
9	4/8/2015	Keyboard, + Mouse 6nos, Mouse 6 nos	6000.00	1		6000.00
10	3/9/2015	HP 1005 LJ Printer	13500.00	1		13500.00
11	25-08-2016	Acer Desktops	17724.00	25		443100.00

12	20-03-2016	Dell mouse	199.00	15		3319.00
13	29-08-2016	High Quality HDMI Cable	225.00	1		225.00
14	25-03-2016	Mouse Pad Football Type	50.00	50		2500.00
15	27-03-2016	Mini Keyboards	300.00	5		1500.00
16	24-03-2016	Dell USB Keyboards	395.00	4		1580.00
17	25-03-2016	500 GB HDD WD Elements	3000.00	2		6000.00
18	22-03-2016	Chestron Electric Blower	699.00	1		699.00
				Total		2165342.00
19	18-11-2016	500GB Dell Computers	31500	9	Ram Enterprises	283500
20		1TB HDD Dell computer	52054	1	Ram Enterprises	52054
20	15-10-2016	Inverter For Cad Lab	336000	1	Ram Enterprises	336000
				Total		671554.00
				Total Amount till 2016-17		2836896.00
21	27-10-2017	Dell 1Tb Computer	53000	20	Ram Enterprises	1060000.00
22	18/04/2023	Quanta 65 AH-K Batteries	6850 (IncGst)	24		1,64,400.00
				Total		1224400.00
23	07/09/2023	Portronics Toad 101, POR 1800 Wired Optical Mouse	269.00	25		6725.00
24	7/09/2023	Micro lithium Cell CR 2032 3V Battery(pack of 5)	304	1		304.00
25	02/01/2025	Dell CPU Optiplex 3050/5050 Core I7- 7 th Gen Processor 16gb 1TB NVME SSD Nvidia 4GB 730 Graphic Dell 20 led Monitor Dell USB Keyboard & Mouse	22796.00	45		1210500.00
26	12/08/2025	Mini Servo Motors, Transistor,		139		12498.00

		Jumper Wire, Carbon Film Resistor, USB Cable, Soil Moisture Meter, Light Sensor Module, Parallel LCD Display, Wroom WiFi, DIP LED Bulb, Diffused LED, Breadboard, Uno SMD Board.				
				Total		1230027.00
				Total Amount till		52,91,323.00
Fifty Two Lakh Ninty One Thousand and Three Hundred and Twenty Three only						

Concrete & Highway Engg Laboratory

S.No	PROCUREMENT DETAILS					
	DATE	DESCRIPTION	PRICE	QTY.		COST
1	16-9-11	Aggregate Crushing Value Test Apparatus	14851.35	1		14851.35
2		Aggregate Impact Value Apparatus	14352.19	1		14352.19
3		Pycnometer	489.04	3		1467.12
4		Thickness Gauge	2923.09	3		8769.27
5		Length Gauge	2923.59	3		8770.77
7		Ring and Ball Apparatus (Electrically Heated)	13554.84	1		13554.84
8		Vicat Needle Apparatus with Dash Pot	2572.76	1		2572.76
10		LE-ChatelierMould	478.41	3		1435.23
11		LE-Chatelier Flask	1275.75	3		3827.25
12		Le Chatelier Water Bath	11162.81	1		11162.81
13		Slump Test Apparatus	3099.01	1		3099.01
14		Compacting Factor Apparatus	19295.72	1		19295.72
16		Sieves with GI Frame 300 MM dia X 80, 63, 50, 40, 25, 20, 10, 12.5, 6.3, 4.75, 2.36 mm, Pan & Lid	7016.63	2		14033.26
17		Sieves with Brass Frame 200 MM dia X 90 micron, Pan & LID	1913.63	2		3827.26
20		Digital Tehrmometer 50	1375.42	1		1375.42

S.No	PROCUREMENT DETAILS					
	DATE	DESCRIPTION	PRICE	QTY.		COST
		to 280 dec C				
21		Cube Moulds 70.6 mm	880.27	3		2640.81
22		Cube Moulds 50 mm	596.85	3		1790.55
23		Mould, Cast Iron, for 150 mm Cube with ISI Certificate Mark	2551.50	6		15309.00
24		Density basket	2710.97	1		2710.97
25		Tamping Rod, Steel, 16mm	528.16	1		528.16
		dia with ISI Certification Mark				
27		Beam Mould, 100mm x 100mm	5594.59	2		11189.18
28		Beam Mould, 100mm x 700mm	10758.83	1		10758.83
29		Penetration cone	1403.33	1		1403.33
30		Los Angeles Abrasion Machine	105254.99	1		105254.99
31		Universal Penetrometer	30488.30	1		30488.30
32		Bitumen Penetration Kit	1336.79	1		1336.79
33		Longitudinal Compress meter Digital	18762.03	1		18762.03
6	3-10-11	Ductility Testing Machine with Digital Display	100996.88	1		100996.88
9		Specific Gravity Bottle	1051.99	3		3155.97
15		Digital Rebound Hammer	65812.50	1		65812.50
18		Flash Point (Open) and	12757.50	1		12757.50

S.No	PROCUREMENT DETAILS					
	DATE	DESCRIPTION	PRICE	QTY.		COST
		Fire Point Cleveland				
19		Pensky Martens Flash Point (Closed) Tester (Electrically Operated)	15946.88	1		15946.88
26		Cylindrical Mould, Cast Iron, Split Lengthwise 150mm dia X 300 mm high	4890.38	3		14671.14
34	23-4-13	Sieve Brass Frame 20 cm dia X 1.70 mm	946.69	2		1893.38
35		Sieve Brass Frame 20 cm dia X 3.35 mm	946.69	2		1893.38
36		Sieve Brass Frame 20 cm dia X 850 um	946.69	2		1893.38
37		Mould, Steel, for 70.6 mm Cube	980.10	6		5880.60
38		Air Permeability Apparatus (Blaine type) with ISI Certification mark IS;5516, fitted in Aluminum Box	3875.85	1		3875.85
39		Sieve Brass Frame 30 cm dia X 16 mm	645.98	2		1291.96
40		Sieve Brass Frame 30 cm dia X 31.5 mm	645.98	2		1291.96
41		Sieve Brass Frame 30 cm dia X 2.36 mm	645.98	1		645.98
42		Vibration Machine, with built-in Digital Timer, NABL Calibrated	64810.50	1		64810.50

S.No	PROCUREMENT DETAILS					
	DATE	DESCRIPTION	PRICE	QTY.		COST
43	2/12/2013	Vicat Needle Apparatus with Dash Pot	4703.00	1		4703.00
44		Penetration needle	216.00	1		216.00
45	13/10/2014	Laboratory Concrete Mixer 1 cu.ft capacity, Electrical cum manually operated, Motor HP: 0.5 HP, Single speed Tilting Drum type Regulation: 115-120 p/m	55688.00	1		55688.00
46		Accelerated curing tank 12 Moulds of 150mm size	136687.00	1		136687.00
47		Cube Mould (150 mm)	2126.25	9		19136.25
48		Cylindrical Mould, Cast Iron, 150mm dia X 300 mm high	3847.50	4		15390.00
49		Beam Mould 100X100X500 mm Cast iron	6075.00	4		24300.00
50		Vibrating Table IS 2514:1963	36450.00	1		36450.00
51		Vee - Bee consistometer	35640.00	1		35640.00
52	25-8-2015	L -Box Apparatus	8910.00	1		8910.00
53		Gilmore Apparatus	8910.00	1		8910.00
54		Marshall Apparatus	100237.00	1		100237.00
55	27-8-2015	Pundit lab Ultra sonic pulse velocity tester	409500.00	1		409500.00
56		Profoscope & Rebar detector	241973.00	1		241973.00

S.No	PROCUREMENT DETAILS					
	DATE	DESCRIPTION	PRICE	QTY.		COST
57		Lechatelermoulds	529.00	6		3174.00
58		Flow table hand operated	14102.00	1		14102.00
59		J Ring Apparatus	24167.00	1		24167.00
60		V Funnel Apparatus	8816.00	1		8816.00
				Total		1769384.00
Equipment added in the academic year 2017-18						
61	22-03-2018	Bitumen Penetration kit	1473.2	2	Company name	2948.23
62		Tapered Ring	460.75	1	Aimil Ltd instumentation and Technologies	543.69
63		Ball Centering Guide	683.1	1	Aimil Ltd instumentation and Technologies	683.1
64		Steel ball of 9.5mm dia	50.45	1	Aimil Ltd instumentation and Technologies	50.45
65		Ring holder	851.96	1	Aimil Ltd instumentation and Technologies	851.96
66		Electric heater	3884.27	1	Aimil Ltd instumentation and	3884.27

S.No	PROCUREMENT DETAILS					
	DATE	DESCRIPTION	PRICE	QTY.		COST
					Technologies	
67		Ductility mould with base plate	12740.13	3	Aimil Ltd instrumentation and Technologies	38220.4
68		Flash point(Closed) Pensky martens apparatus	21304.68	1	Aimil Ltd instrumentation and Technologies	21304.68
69		Flash point and Fire point Pensky martens apparatus	21304.68	1	Aimil Ltd instrumentation and Technologies	21304.68
70	24-04-2018	Mini Portable concrete mixer	35400	1		35400
71	5-06-2018	Consistency plunger	138.06	3		414.18
72		Le Chatliers flask	1927.53	2	Aimil Ltd instrumentation and Technologies	3855.06
73		Sieve brass frame 20cm 2.36mm	1067	2	Aimil Ltd instrumentation and Technologies	2134.62
74		Sieve set	10391.61	1	Aimil Ltd instrumentation and	10391.61

S.No	PROCUREMENT DETAILS					
	DATE	DESCRIPTION	PRICE	QTY.	Technologies	COST
					Technologies	
75		Moulds Cast iron 150mm	3132.9	18		56392
76		Cylindrical mould CI 150mm dia 300 height	6122.43	6		36734.58
77		Beam mould	7019.82	3		21059.48
78		Pycnometer	544.5	4		2570.00
79	12-04-2021	Abrasive charge consisting of a set of 12 hammer steel balls	5413.01	1		5413.01
80	12-04-2021	Dial gauge 0.01*25mm	3427.20	1		3427.20
81	12-04-2021	Shrinkage bar mould	2887.24	1		2887.24
82	12-04-2021	Sieve GI frame 30cm*2.36mm	599.25	2		1258.43
83	18/04/2023	Pycnometers 1 litre Capacity	1420	4		5680+GST(512+512)= 6704
84	04/02/2025	Vicat Needle Apparates With Draw Pot	3070.00+GST	02		7245.00
85	04/02/2025	Lechart lieve flask	1660.00+GST	01		1959.00

S.No	PROCUREMENT DETAILS					
	DATE	DESCRIPTION	PRICE	QTY.		COST
86	04/02/2025	30cm Diameter Siever 20mm,10mm,2.36mm with Power Coating	850.00+ GST	06		6018.00
87	04/02/2025	Modify Roughness Indicateing Machine	25270.00+ GST	01		29818.00
88	04/02/2025	Leachart lieve Moulds with Two Glass Plate	2800.00+ GST	02		6608.00
89	20/02/2026	Magnetic Stirrer with Hot Plate Universal Size	6850.00+ GST	01		8083.00
					Grand Total Amount =	21,07,544.34
Twenty One Lakh Seven Thousand Five Hundred and Forty Four only						

Environmental Engineering Laboratory

(a) Equipment:					
S#	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST
1	31-12-2010	Digital PH meter (0-14 PH)	4894.88	2	9789.76
2		Digital Turbidity meter (full range)	5656.30	2	11312.60
3		Digital Conductivity meter (micro mhos/sec to mhos/sec)	5873.85	2	11747.70
4		Digital TDS meter (full range)	5656.30	2	11312.60
5		Drying Oven (12 x 12 x 12 inches) upto 2500 C	7396.70	1	7396.70
6		Analytical balances (0.00 mg to 200 grams)	2708.50	10	27085.00
7		Eelectrical Balance (4 digits up to 2 Kg)	59608.70	1	59608.70
8		Spectro Photometer (510 mm) (UV-VIS) providing light path of 1 cm length	135968.75	1	135968.75
9		Digital Colorimeter (full range)	5199.45	2	10398.90
10		Electric Heat Plates	1957.95	2	3915.90
11		Alum jar Test Apparatus (4 Stirrers with Electric Timer, Speed Counter & Microprocessor Digital RPM)	37940.72	1	37940.72

12	12-6-2012	BOD Incubator, 179 Liters., 5 ^o C to 50 ^o C)	48750.45	1	48750.45
				Total	375227.8
Equipment added in the academic year 2016-17					
13	07-11-2016	Digital pH meter with electrode	9226.857	2	18453.75
14		Digital nephelometric turbidity meter	15540	2	31080
15		Digital electrical conductivity meter	26223.75	2	52447.50
16		Weighing balance 0.01gm accuracy	18454	1	18454
17		Weighing balance 0.001 accuracy	24281.25	1	24281.25
18		Digital D.O Meter	11000	1	11000
19		COD Digester	41411	1	41411
20		Muffle Furnanace	40200	1	40200
21		Distilled Water Plant	19000	1	19000
22		Nessler Tube	155	20	3100
				Total	259427.5
				Total Amount till 2016-17	6,34,655.28

23	08-08-2022	All glass single distillation unit with boiler, condenser quartz heater with capacity:2.5 liters	20,470	1	20,470
24	18/04/2023	Sulphuric Acid	520	2	1040+Gst(93.60+93.60)=1227
				Total(A)	6,56,352.28

(b) Glassware:						
S#	PROCUREMENT DETAILS					
	DATE	DESCRIPTION	PRICE	QTY.	COST	Company name
1	31-12-2010	Burettes (50 ml) Plastic	160.76	30	4822.80	
2		Glass	370.64	15	5559.60	sravani enterprises
3		Micro Burettes (5 ml)	446.55	20	8931.00	
4		Pipettes, 5 ml	71.45	10	714.50	sravani enterprises
5		Pipettes, 10 ml	89.31	10	893.10	sravani enterprises
6		Pipettes, 20 ml	106.28	20	2125.60	sravani enterprises
7		Beakers 5 ml	41.08	30	1232.40	sravani enterprises
8		Beakers 10 ml	44.66	30	1339.80	sravani enterprises
9		Beakers 25 ml	51.80	30	1554.00	sravani enterprises
10		Beakers 250 ml	116.10	50	5805.00	sravani enterprises
11		Beakers 500 ml	133.97	50	6698.50	sravani enterprises
12		Volumetric Flasks 50 ml	160.76	20	3215.20	

13		Volumetric Flasks 100 ml	186.66	50	9333.00	
14		Volumetric Flasks 500 ml	288.47	10	2884.70	
15		Volumetric Flasks 1000ml	434.05	5	2170.25	
16		Volumetric Flasks 2000ml	825.22	5	4126.10	
17		Thermometer: (10 to 500 C Range; Least count 0.10C)	160.76	5	803.80	
18		Measuring Cylinders - 100 ml	16.08	20	321.60	
19		Measuring Cylinders - 500 ml	53.59	10	535.90	
20		Measuring Cylinders - 1000 ml	107.17	5	535.85	
21		Wash Bottles (Plastic; 250 ml)	22.33	50	1116.50	
22		Desiccators (6 inches)	3965.36	1	3965.36	
23		Suction Flasks (500 ml)	326.87	10	3268.70	
24		Glass Rods	392.96	2	785.92	
25		Spatulas	13.40	50	670.00	
26		Separating Funnels - 500 ml	759.14	5	3795.70	
27		B O D Bottles - 300 ml	339.38	20	6787.60	
28		Water Bath (6 holes: Electric)	4286.88	1	4286.88	
29		Erlen Mayer Flasks - 100 ml	49.12	10	491.20	
30		Erlen Mayer Flasks - 250 ml	75.91	10	759.10	
31		Erlen Mayer Flasks - 500 ml	107.17	10	1071.70	
32		Magnetic Stirrers with hotplate	2411.37	2	4822.74	
33		Conical Flask (250 ml)	75.91	60	4554.60	
34		Porcelain Plates (Std.Size)	17.86	100	1786.00	

35		Funnels	54.48	50	2724.00	
36		Pipette Stand Horizontal	160.76	4	643.04	
37		Filter Paper Sheets	1.79	100	179.00	
38		Bunsen Burner	133.97	10	1339.70	
39	16-3-2011	Burettes Stands with Clamps	290.00	15	4350.00	
40	31-12-2010	Burettes (50 ml) Plastic	160.76	30	4822.80	
41	31-12-2010	Glass	370.64	15	5559.60	
42	31-12-2010	Micro Burettes (5 ml)	446.55	20	8931.00	
43	31-12-2010	Pipettes, 5 ml	71.45	10	714.50	
44	31-12-2010	Pipettes, 10 ml	89.31	10	893.10	
45	31-12-2010	Pipettes, 20 ml	106.28	20	2125.60	
46	31-12-2010	Beakers 5 ml	41.08	30	1232.40	
47	31-12-2010	Beakers 10 ml	44.66	30	1339.80	
48	31-12-2010	Beakers 25 ml	51.80	30	1554.00	
49	31-12-2010	Beakers 250 ml	116.10	50	5805.00	
50	31-12-2010	Beakers 500 ml	133.97	50	6698.50	
51	31-12-2010	Volumetric Flasks 50 ml	160.76	20	3215.20	
52	31-12-2010	Volumetric Flasks 100 ml	186.66	50	9333.00	

53	31-12-2010	Volumetric Flasks 500 ml	288.47	10	2884.70	
54	31-12-2010	Volumetric Flasks 1000ml	434.05	5	2170.25	
55	31-12-2010	Volumetric Flasks 2000ml	825.22	5	4126.10	
56	31-12-2010	Thermometer: (10 to 500 C Range; Least count 0.10C)	160.76	5	803.80	
57	31-12-2010	Measuring Cylinders - 100 ml	16.08	20	321.60	
58	31-12-2010	Measuring Cylinders - 500 ml	53.59	10	535.90	
59	31-12-2010	Measuring Cylinders - 1000 ml	107.17	5	535.85	
60	31-12-2010	Wash Bottles (Plastic; 250 ml)	22.33	50	1116.50	
61	31-12-2010	Desiccators (6 inches)	3965.36	1	3965.36	
62	31-12-2010	Suction Flasks (500 ml)	326.87	10	3268.70	
63	31-12-2010	Glass Rods	392.96	2	785.92	
64	31-12-2010	Spatulas	13.40	50	670.00	
65	31-12-2010	Separating Funnels - 500 ml	759.14	5	3795.70	
66	31-12-2010	B O D Bottles - 300 ml	339.38	20	6787.60	
67	31-12-2010	Water Bath (6 holes: Electric)	4286.88	1	4286.88	

68	31-12-2010	Erien Mayer Flasks - 100 ml	49.12	10	491.20	
69	31-12-2010	Erien Mayer Flasks - 250 ml	75.91	10	759.10	
70	31-12-2010	Erien Mayer Flasks - 500 ml	107.17	10	1071.70	
71	31-12-2010	Magnetic Stirrers with hotplate	2411.37	2	4822.74	
72	31-12-2010	Conical Flask (250 ml)	75.91	60	4554.60	
73	31-12-2010	Porcelain Plates (Std.Size)	17.86	100	1786.00	
74	31-12-2010	Funnels	54.48	50	2724.00	
75	31-12-2010	Pipette Stand Horizontal	160.76	4	643.04	
76	31-12-2010	Filter Paper Sheets	1.79	100	179.00	
77	31-12-2010	Bunsen Burner	133.97	10	1339.70	
78	16-3-2011	Burettes Stands with Clamps	290.00	15	4350.00	
79	29-02-2012	Pipettes	130.00	2	260.00	
80		Pipettes	130.00	3	390.00	
81		Pipettes	130.00	5	650.00	
82		Pipettes	130.00	5	650.00	
83		Droppers	157.00	1	157.00	

84	23-06-2012	Biotech Made BOD Indicator	48750.00	1	48750.00	
85	20-02-2013	Cuvettes-Quartz for UV-VIS Spectro photo mete	4200.00	1	4200.00	
86	17-11-2016	Pipette with bulb (2ml)	275	15	4125	
		Pipette with bulb (5ml)	385	15	5775.00	
		Pipette with bulb (10ml)	330	10	3300.00	
		Pipette with bulb (20ml)	430	05	2150	
		Total cost			14,907	
87	17/11/2016	Measuring jar glass(5 ml)	440	10	4400	
		Measuring jar glass(5 ml)	495	10	4950	
		Measuring jar glass(5 ml)	570	10	5700	
		Measuring jar glass(5 ml)	690	10	6900	
		Measuring jar glass(5 ml)	760	10	7600	
		Measuring jar glass(5 ml)	1155	5	5775	
		Measuring jar glass(5 ml)	1520	5	7600	
		Measuring jar glass(5 ml)	1875	5	9375	
		Total cost			50,797	
		88	17/11/2016	BOD bottles	485	

		Total cost			14133	
		Total(B)			2,45,894.44	
89	20/02/2026	PH bulb electrode	560.00	1	560.00	
90		Wash bottles	85.00	12	1020.00	
91		Spatulas	30.00	10	300.00	
92		Conical flask	180.00	10	1800.00	
93		Funnels	85.00	24	2040.00	
94		Droppers(red blub)	85.00	10	850.00	
95		Pipette	160.00	10	1600.00	
96		Potassium iodide	2469.00	2	4938.00	
97		Manganese sulphate	640.00	2	1280.00	
98		Starch power	180.00	1	180.00	
99		Sodium hydroxide	395.00	3	1185.00	
100		Akonol	590.00	1	590.00	
101		Potassium dichromate	1380.00	1	1380.00	
102		Buffer capsule 4.0	320.00	3	960.00	
103	Buffer capsule 7.0	320.00	3	960.00		

104	20/02/2026	Feroin indicatly 100ml	940.00	1	940.00	
				Total cost	20,583.00	
				Grand Total (A+B)	9,22,829.72	
Rupees Nine Lakh Twenty Two Thousand Eight Hundred and Twenty Nine only						

Geo-Technical Engineering Laboratory

S#	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST
1	18-12-2010	Liquid Limi Apparatus, Manually Operated with Counter.	3786.75	2	7573.50
2		Plastic Limit Apparatus	1697.34	3	5092.02
3		Shrinkage Limit Apparatus with 750 g Mercury	4814.72	2	9629.44
4		Core Cutter 100 x 130	2581.88	2	5163.76
5		Hydrometer	392.06	3	1176.18
6		Sieves 300 mm GI, 4.75, 2, 1, 0.6, 0.42, 0.3, 0.15, 0.09, 0.075 Pan & Cover	5259.38	2	10518.76
7		Pycnometer	439.88	3	1319.64
8		Universal Auto Compactor	121295.53	1	121295.53
9		CBR Apparatus	100363.22	1	100363.22
10		Permeability Apparatus	32703.75	1	32703.75
11		One Dimensional Consolidation Apparatus	40976.27	1	40976.27
12		Load Frame 100 KN, 50KN, 5KN Motorized	52211.25	1	52211.25
13		Hot Air Oven 50-150 C	28209.38	1	28209.38
14		Direct Shear Apparatus	88883.44	1	88883.44
15		Electronic Balance, 600gm, with LC 0.01 gm	22878.28	1	22878.28
16		Moisture Cans 50 x 50	52.59	18	946.62
17		Moisture Cans 50 x 75	62.16	6	372.96
18		Measuring Jars 1000 cc	1420.03	1	1420.03

S#	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST
19		Measuring Jars 1000 cc	631.13	3	1893.39
20		Measuring Jars 500 cc	239.06	2	478.12
21		Measuring Jars 100 cc	387.28	1	387.28
22		Measuring Jars 100 cc	124.31	3	372.93
23		Rammer	1864.69	1	1864.69
24		Rammer	3442.50	1	3442.50
25		Motorized Sieve Shaker	46473.75	1	46473.75
26		13-01-2011	Liquid Limb Apparatus, Motorized with Counter.	6841.97	1
27	Sand Pouring Cylinder		3891.94	2	7783.88
28	Sampling Extractor		4590.00	1	4590.00
29	Triaxial Cell 38 mm dia		22950.00	1	22950.00
30	Electronic Balance, 6 Kgs with LC 1 gm		11833.59	1	11833.59
31	7-03-2011	Laboratory Vane Shear Apparatus	16093.69	1	16093.69
32	23-4-2013	Speedy Moisture Meter Range 0-50 % (Gauge Div.:1%) with Digital Weing Balance	10513.80	1	10513.80
33		Infrared Moisture Meter	24012.45	1	24012.45
34		Camle Hair Brush	33.41	2	66.82
35	2/12/2013	Sieve Brass frames 20cm dia- 2mm,1mm,425 μ ,75 μ	1185.00	4	4740.00
36	13-10-2014	Compaction Mould 100 mm dia x 127.3 mm height	5062.50	2	10125.00
37	25-8-2015	CBR mould	2784.00	1	2784.00
38		Proving Ring 2 kN	10023.00	1	10023.00
39		Hydrometer	1336.34	3	4009.02

S#	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST
40		Hydrometer Glass Jar	1670.50	2	3341.00
41		Sieves 0.425, 0.075	1782.00	2	3564.00
42		Hydraulic Extruder	16706.00	1	16706.00
43		Liquid Limit Cone Penetrometer	2450.00	2	4900.00
44		Dial Gauge	2673.00	2	5346.00
45		27-8-2015	CBR mould with perforated base plate gun metal	14801.00	1
46	Compression Proving Ring, 2.5 kN		15226.00	1	15226.00
47	Hydrometer		569.00	3	1707.00
48	Sieves, 425 , 75 micron		2033.50	2	4067.00
				Total	791671.91
Equipment added in the academic year 2017-18					
49	17-04-2018	Electronic Balance	12500	1	12500
50		Electronic Balance(10Kg Max)	7500	1	7500
51	5-6-2018	Core Cutter	3051	2	6012
52		Sand pouring Cylinder	5724	1	5724
53		Pycnometer	643	3	1929
54		Permeability Mould	23300	2	46600
55		Metallic Clamping Rings	807	2	1614
				Total	81879.00
Equipment added in the academic year 2018-21					
56	23-11-2018	Standard Penetration test (set)	60,333	1	60333

S#	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST
57	12-04-2021	Electric oven with digital indicator	37681.35	1	37681.35
58	12-04-2021	Drill rod 0.5m long	1598	6	10067.40
59	12-04-2021	Specimen cutter for direct shear test	918	3	2891.70
60	12-04-2021	Shear box assembly for direct shear test	11183.03	1	11183.03
61	12-04-2021	Proctor penetrometer	6635.74	1	6635.74
62	12-04-2021	Thickness gauge 10mm	16060.54	1	16060.54
63	12-04-2021	Dry sieve test	2324.96	1	2324.96
64	12-04-2021	Rounded blade made of glass size 0.85mm, 0.452mm, 0.25mm, 0.18mm, 0.15mm, 0.075mm and 1kg each	4712.40	1	4712.40
				Total	137490.12

S#	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST
65	04/02/2025	Spatula for Soil Mixing	770.00+ GST	4	3634.00
66	04/02/2025	20cm Diameters brass Sieves 300mm,1.18mm,4.75mm,4mm, 3.35mm,1mm,2mm,2.36mm, 90mic,75mic,300microns	3075.00	10	30755.00
67	04/02/2025	CBR Mould 150mm: With Extension collar base Plate	2900+GST	01	3422.00
68	04/02/2025	Liquid limit with tools: Hand Operate with counter	3325+GST	01	3923.00
				Total	41734.00
				Grand Total Amount till	10,52,775.03

Rupees Ten Lakh Fifty Two Thousand Seven Hundred Seventy Five only

Engineering Mechanics Laboratory

SNo	PROCUREMENT DETAILS				
	DATE	DESCRIPTION	PRICE	QTY.	COST
1	29/02/2024	Frame fabricated internally digital weighing machines up to 30kg	1080.00+GST	2	2483.00
2		Digital hook type weighing machines up to 50kg	186.00+GST	2	440.00
3		Stainless steel turn bnckle hook	547.00+GST	1	646.00
4		Sprins balance, Red oxide	400.00	1	400.00
5		Digital weaigh scale hook 50kg(Bolt)	244.00+GST	2	578.00
6		Clamps & Hook bolts		2	200.00
7		Steel plats & Spanner & Other accessories		3	1560.00
8		Nylon Plasic pully 30mm	311.00+GST	1	349.00
9		Frame fabricated internally beet accessories	1820.00	1	1820.00
10		Bolts & Spanners	188.00	1	188.00
11		Frame borround ME dept 25kg sprins	526.00+GST	1	620.00
12		Spring balance tubular 10kg	252.00+GST	1	298.00
13		Spring balance tubular 5kg	190.00+GST	1	225.00
14		Digital weighing scale up to 50kg	152.00+GST	2	360.00
15	13/03/2024	Slop angle fider with magnet base	338.00+GST	1	399.00
16		Multipurpose laser level	445.00+GST	1	499.00
17		Aluminium spirit level magnet	211.00+GST	1	249.00

18	13/03/2024	GLLS-50X line laser level 50mm range + BT 150 tripo	11270.00+GST	1	13299.00
19		Gasmin Etrex 10x GPS	13135.00+GST	1	15500.00
				Total Amount till	40,113.00
Forty Thousand and One Hundred and Thirteen only					

❖ Consultancy Details

Year	Name of the Work	Amount (Rs. in Lakhs)
2010-2011	Lab Testing, Practical tests & Project Guidance	1.16
2011-2012	Lab Testing, Practical tests & Project Guidance	1.32
2012-2013	Lab Testing , Practical tests & Project Guidance	4.70
2013-2014	Lab Testing, Practical tests & Project Guidance	3.26
2014-2015	Lab Testing, Practical tests & Project Guidance	2.60
2015-2016	Lab Testing, Practical tests & Project Guidance	4.40
2016-2017	Lab Testing, Practical tests & Project Guidance	1.11
2017-2018	Lab Testing, Practical tests & Project Guidance	11.19
2018-2019	Lab Testing, Practical tests & Project Guidance	2.88
2019-2020	Lab Testing, Practical tests & Project Guidance	1.16
2020-2021	Lab Testing, Practical tests & Project Guidance	2.20
2021-2022	Lab Testing, Practical tests & Project Guidance	2.26
2022-2023	Lab Testing, Practical tests & Project Guidance	2.12
2023-2024	Lab Testing, Practical tests & Project Guidance	2.28
2024-2025	Lab Testing, Practical tests & Project Guidance	3.20
2025-2026	Lab Testing, Practical tests & Project Guidance	3.42 (July to Feb 2026)

RGM COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)
NANDYAL -518501 (DT.), ANDHRA PRADESH
ESTD:1995

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

LAB EQUIPMENTS COST - Dept. of EEE

S.No.	Name of the Lab	Cost (₹)
1.	Control System	25,42,392
2.	Electronic Devices and Circuits	7,79,274
3.	Electrical Measurements	35,42,990
4.	Instrumentation	4,28,580
5.	Electrical Machines-I	23,27,526
6.	Electrical Machines-II	13,25,103
7.	Microprocessors & Microcontrollers	1,91,120
8.	Power Systems	21,24,826
9.	Power Electronics	43,31,765
10.	Electrical Simulation	37,42,736
11.	Basic Electrical Engineering	97,058
12.	EV Lab	28,57,005
Total		₹ 2,42,87,380

**Rupees Two Crore Forty Two Lakhs Eighty Seven
Thousands Three Hundred and Eighty only**

Total Lab Equipment Cost: Rs. 242.87 Lakhs

Name of the Lab: EV Lab

Total cost: **Rs.28,57,005/-**

S.NO	EQUIPMENT	COST
1.	E-vehicle Drive Train with PMSM Motor with IOT feature	2,29,322.55
2.	2 wheeler simulator with complete working model and data display with battery pack and charger	2,01,572.28
3.	4 wheeler buggy simulator with complete working model and data display	2,72,713.65
4.	4 Wheeler Wheel based Dyno with MIDC Driving Cycle	4,17,362.40
5.	BMS CAN Protocol 1:Protects the battery pack from over-charge and over discharge thereby extending cycle life	6,12,413.70
6.	Charging Station Instruction and Training Kit (Basic Model)	1,47,979.32
7.	Battery DIY Kit	1,12,587.90
8.	Battery Pack Tester	1,52,144.50
9.	Energy Storage Pulse Spot Welder	27,500
10.	Li-ion Battery Characteristics Training System	92,285.86
11.	Tool Box	35,500
12.	for Assembly & dismantling training	
13.	Cut section & open models for hands-on training of EV equipment with stand, instruction board and	88,665.28

SL.NO	DESCRIPTION	QTY	COST
1	INPUT POWER MODULE	4	13,753.00
2	FIRNING MODULES FOR 1PHASE BRIDGE	2	7,368.00
3	CHOPPER FIRING CIRCUITS	2	7,368.00
4	L.C.MODULE	2	6,876.00
5	SCR MODULES	4	18,648.00
6	INDUCTIVE LOAD (0-25Mh-50Mh-75Mh-100Mh-150Mh)	2	7,859.00
7	Resistive load (230v,5A)	1	3,069.00
8	Resistive load (230v,5A)	1	3,069.00
9	3Phase Resistive load	1	5,625.00
10	Dc Motor as back emf load	1	5,526.00
11	Dc Motor as back emf load	1	5,473.00
12	Digital panel Meter	1	4,944.00
13	SINGLE PHASE CYCLO CONVETER	1	9,968.00
14	SCR PARALLER INVERTER	1	12,940.00
15	Characteristics of SCR,MOSFET,IGBT	1	5,000.00
16	Forced Commutation Circuit Firing with (Class A,B,C,D & E with commutation chopper Circuit)	1	10,000.00
17	3-Phase Half Fully Controlled Bridge Converter	1	16,875.00
18	1-Phase Series Inverter	1	9,600.00
19	1-Phase I/P 3-Phase IGBT PWM Inverter and V/F Control	1	36,375.00
20	1-Phase Half & Fully Controlled Bridge Converter	1	10,125.00
21	1-Phase IGBT Based PWM Inverter	1	20,625.00
22	3-Phase 1KVA Isolation Transformer	1	8,118.00
23	1HP AC Induction Motor	2	9,750.00
24	IGBT Four Quadrant Chopper and DC motor	1	51,776.00
25	DSP BASED Control of 3 Phase Induction Motor	1	1,21,508.00
26	3-Phase Inductive Load	2	22,750.00
27	3-Phase SCR Based Inverter for the speed control of 3-Phase Induction motor (along with motor)	1	49,832.0
28	3-Phase 1Hp AC induction motor	1	5,737.00
29	3-Phase SCR Power Circuit	1	10,280.00
30	Mc Murray Bedford Inverter with R & L Loads	2	24,906.00
31	DSP Based Static krammer Drive	1	2,06,461.00
32	DIGITAL MULTI METER	1	1,539.00
33	DIGITAL MULTIMETER	2	2,310.00
34	DIGITAL MULTI METER	1	1,155.00
35	1-Phase Isolation Transformer	2	12,000.00
36	1-Phase Isolation Transformer	3	18,000.00
37	Rheostat 500Ω/1A	2	1,700.00
38	Jone's chopper	1	7,950.00
39	CLYCLO CONVERTOR	1	10,950.00
40	PARALLER INVERTER	1	5,990.00
41	JONE'S CHOPPER INCLUDING FIRING CIRCUIT	1	4,907.00
42	SINGLE PHASE CONVERTER FIRNG CIRUCIUTS(CONSUMBALE)	1	7,750.00

43	Gate Firing Circuits R and RC Firing circuits	2	1,622.00
44	Gate Firing Circuits UJT Firing circuits	2	2,393.00
45	Forced Commutation unit	2	11,356.00
46	1phase Dual Converter with R & L load		
47	1Phase Dual Converter Firing Circuit (Consumable)	1	9,750.00
48	3Phase Half Controlled Bridge with Converter with R & L Load	1	29,973.00
49	1-Phase Series Inverter	1	5,556.00
50	JONES CHOPPER	2	22,167.00
51	DC SERIES MOTOR CONTROLLED USING JONES CHOPPER	1	28,968.00
52	SINGLE PHASE CYCLO CONVERTER	2	67,909.00
53	PARALLEL INVERTE	2	27,434.00
54	Characteristics of SCR,MOSFET,IGBT	2	7,305.00
55	R,RC,UJT Firing Circuits for SCR	2	11,335.00
56	1Phase Dual Converter with R & RL Load	1	39,702.00
57	1-Phase Series Inverter	2	21,182.00
58	1-Phase Fully Controlled Bridge Converter with R & RL Load	2	48,902.00
59	1-Phase AC Voltage Controller with R & RL Load	2	31,659.00
60	3-Phase Cyclo Converter	1	55,818.00
61	Speed Control of DC Shunt Motor Using Dual Converter	1	45,032.00
62	Speed Control of Single Phase Induction Motor using Cyclo Converter	1	29,037.00
63	Speed Control of Three Phase Induction Motor Using AC Voltage Controlled	1	48,261.00
64	20Mh Dual Trace Cathode Ray Oscilloscope	4	67,584.00
65	Digital Power Meter	1	2,48,062.00
66	Gate Firing Circuit For SCR's	1	3,015.00
67	3-Phase Fully Controlled Bridge Converter	1	58,950.00
68	1-Phase Fully Controlled Bridge Firing circuit with firing angle variations 180 to 0	1	22,320.00
69	1-Phase AC Voltage Controller	1	8,550.00
70	200Mhz Digital Storage Oscilloscope	1	1,95,000.00
71	Printer Option	1	20,000.00
72	20Mhz Digital Storage Oscilloscope	1	48,000.00
73	150Mhz Digital Storage Oscilloscope	1	95,000.00
74	20Mhz Power Oscilloscope	10	1,95,000.00
75	20Mhz Digital Storage Oscilloscope	2	46,000.00
76	Digital IC Tester	1	12,000.00
77	Analog IC Tester	1	12,000.00
78	FUNCTION GENERATOR	1	3,800.00
79	Regulated Power Supply	3	16,500.00
80	Multi Meter	6	14,700.00
81	Regulated Power Supply	1	4,500.00
82	Single Phase auto Transformer	3	12,000.00

SL.NO	DESCRIPTION	QTY	COST
1	DC SHUNT GENERATOR COUPLED WITH DC SHUNT MOTOR	1	44,600.00
2	DC SHUNT GENERATOR COUPLED WITH AC GENERATOR	1	51,960.00
3	DC SHUNT MOTOR WITH LOADING ARRANGEMENT	1	23,460.00
4	AC SQ CAGE 3-PHASE INDUCTION MOTOR	1	15,460.00
5	3-PHASE SYNCHRONOUS MOTOR	1	43,460.00
6	AC SERVO CONTROLLED RECTIFIER	1	58,600.00
7	AC DISTRIBUTION BOARD	1	18,600.00
8	DC DISTRIBUTION BOARD	1	18,460.00
9	1-PHASE TRANSFORMER 3KVA	2	13,200.00
10	1-PHASE TRANSFORMER 2KVA	2	11,320.00
11	3-PHASE AUTO TRANSFORMER	1	12,600.00
12	1-PHASE BOOSTER TRANSFORMER 2A	3	10,980.00
13	1-PHASE PORTABLE DIMMER STARTER 2A	4	5,440.00
14	1-PHASE PORTABLE DIMMER STARTER 4A	2	4,120.00
15	1-PHASE PORTABLE DIMMER STARTER 8A	2	5,360.00
16	1-PHASE WATTMETER LPF 75-150-300	2	13,720.00
17	1-PHASE WATTMETER LPF 150-300-600	2	13,720.00
18	1-PHASE WATTMETER LPF 125-250-500	2	13,720.00
19	1-PHASE WATTMETER UPF 75-150-300	2	11,720.00
20	3-PHASE WATTMETER 150-300-600	2	11,720.00
21	KNIFE EDGE SWITCHES DPST 250V-60A	16	6,656.00
22	TPST 250V-60A	9	4,734.00
23	SPST 250V-60A	3	2,484.00
24	TPST 250V-60A	3	1,980.00
25	DIGITAL TACHOMETER	4	8,280.00
26	VOLTEMETER(30-60MI)	4	3,384.00
27	VOLTEMETER(150-300MI)	4	3,264.00
28	VOLTEMETER(75-150-300MI)	4	3,384.00
29	VOLTEMETER(15-30MC)	5	4,130.00
30	VOLTEMETER(30-60DC)	5	4,130.00
31	VOLTEMETER(75-150-300DC)	5	4,230.00
32	VOLTEMETER(150-300DC)	6	4,956.00
33	AMMETER(1-2A DC)	5	4,130.00
34	DC AMMETER 5-10A	6	4,956.00

35	DC AMMETER 10A	6	4,716.00
36	DC AMMETER 10-20A	5	4,130.00
37	DC AMMETER 10-20A	1	826.00
38	DC AMMETER 20A	5	4,130.00
39	DC AMMETER 25-50A	5	4,130.00
40	AMMETER(1-2A AC)	5	4,080.00
41	AMMETER(5-10A AC)	5	4,080.00
42	AMMETER(5-10A AC)	5	4,080.00
43	RHEOSTAT 5 OHMS-8A	2	980.00
44	RHEOSTAT 29 OHMS-4.1A	3	978.00
45	RHEOSTAT 200 OHMS-1.5A	3	948.00
46	RHEOSTAT 350 OHMS-1.2A	4	1,840.00
47	3-PHASE LOADING RHEOSTAT	1	6,260.00
48	1-PHASE LOADING RHEOSTAT	1	4,360.00
49	DC SHUNT MOTOR COUPLED WITH DC SHUNT GENERATOR	1	42,296.00
50	DC SHUNT MOTOR COUPLED WITH ALTERNATOR	2	83,720.00
51	5HP DC SHUNT MOTOR	1	22,880.00
52	7.5HP 3-PHASE SLIP RING INDUCTION MOTOR	1	26,560.00
53	5HP DC COMPOUND MOTOR	1	22,880.00
54	5HP DC COMPOUND MOTOR COUPLED WITH 3KW COMPOUND GENERATOR	1	35,480.00
55	DC SERIES MOTOR	1	20,250.00
56	1.5HP 1-PHASE INDUCTION MOTOR	1	11,700.00
57	3 POINT STARTER	5	9,400.00
58	2 POINT STARTER	1	1,800.00
59	3 PHASE DOL STARTER	2	2,200.00
60	FIELD REGULATORS	3	3,150.00
61	DC SHUNT MOTOR COUPLED WITH 2.2KW SHUNT GENERATOR	1	52,650.00
62	7.5HP DC SHUNT MOTOR COUPLED WITH 5KVA SALIENT POLE ALTERNATOR	1	1,08,675.00
63	3HP DC SHUNT MOTOR	2	63,900.00
64	3 PHASE 5HP SQ CAGE INDUCTION MOTOR	2	54,562.00
65	3-PHASE AUTO SYNCHRONOUS MOTOR	1	36,000.00
66	5HP DC SHUNT MOTOR COUPLED WITH 3HP DC COMPOUND GENERATOR	1	77,600.00
67	5HP DC SHUNT MOTOR COUPLED WITH 2.2KW DC COMPOUND GENERATOR	1	87,300.00
68	3HP DC SERIES MOTOR	1	33,075.00
69	1- PHASE TRANSFORMER 2KVA	2	9,080.00
70	3-PHASE VARIAC 20A	1	18,360.00

71	WATTMETER 75-150-300V/5A LPF	2	8,610.00
72	1-PHASE WATTMETER 75-150-300V/10-20A UPF	4	7,500.00
73	WATTMETER 75-150-300V/10-20A UPF	8	16,472.00
74	WATTMETER 250-500V/5-10A UPF	4	8,236.00
75	WATTMETER 250-500V/10-20A UPF	2	4,118.00
76	3-PHASE DYNAMO WATTMETER 300-600V/10-20A	2	7,390.00
77	ANALOG TACHOMETER	2	8,000.00
78	VOLTMETER 30-60MI	2	2,160.00
79	VOLTMETER 250-500MI	2	2,160.00
80	AMMETER 1-2AMI	2	2,160.00
81	AMMETER 10-20AMI	2	2,160.00
82	TABULAR RHEOSTAT 30 OHMS- 4.5A	2	2,140.00
83	TABULAR RHEOSTAT 360 OHMS -1.2A	2	1,290.00
84	3-PHASE AUTO TRANSFORMER	3	54,000.00
85	AC VOLTMETER 150-300	6	7,500.00
86	AC VOLTMETER 75-150	6	7,500.00
87	AC VOLTMETER 300-600	6	7,500.00
88	PORTABLE DC AMMETER1-2A	10	13,700.00
89	PORTABLE DC AMMETER5-10A	5	6,850.00
90	PORTABLE DC AMMETER10-20A	6	8,220.00
91	AC AMMETER 1-2A	10	12,500.00
92	PORTABLE AC AMMETER5-10A	4	5,000.00
93	PORTABLE AC AMMETER10-20A	6	7,500.00
94	3-PHASE LOADING RHEOSTAT	1	11,500.00
95	1-PHASE LOADING RHEOSTAT 3KW	2	13,000.00
96	3 POINT STARTER 5HP	8	16,000.00
97	3 POINT STARTER 7.5HP	2	5,400.00
98	3 POINT STARTER	5	10,500.00
99	4 POINT STARTER 5HP	2	4,200.00
100	WATTMETER LPF 150-300-600V-5-10A	4	17,280.00
101	VOLTMETER MC 15-30V	6	7,860.00
102	VOLTMETER MC 30-60V	6	7,860.00
103	VOLTMETER MC 75-150-300V	6	7,860.00
104	VOLTMETER MC 150-300V	6	7,860.00
105	SPST WITH BOX	1	450.00
106	SPST 32A	5	1,000.00
107	DPST 32A	20	7,000.00
108	SPDT WITH BOX	1	520.00

109	SPN MAIN SWITCH 15A	15	2,550.00
110	TPN MAIN SWITCH 16A	10	5,590.00
111	2 POLE ISOLATOR SWITCHES 16A	15	3,071.00
112	4 POLE ISOLATOR SWITCHES 46A	10	4,715.00
113	2 POLE ENCLOSER	15	825.00
114	4 POLE ENCLOSER	10	950.00
115	DIGITAL TACHOMETER	1	1,750.00
116	DIGITAL TACHOMETER NON CONTACT	1	2,500.00
117	DIGITAL TACHOMETER CONTACT	3	5,940.00
118	DIGITAL TACHOMETER NON CONTACT	3	5,940.00
119	RHEOSTAT 360 OHMS 1.2A	6	10,440.00
120	RHEOSTAT 300 OHMS 1.2A	6	14,860.00
121	RHEOSTAT 570 OHMS 1.2A	10	22,200.00
122	DIGITAL MULTIMETER	15	18,225.00
123	REGULATOR TRANSISTORISED DC POWER SUPPLY	6	25,920.00
124	DIGITAL DC VOLTMETER 0-2V	5	3,250.00
125	DIGITAL DC VOLTMETER 20V	5	3,250.00
126	DIGITAL DC AMMETER 0-200uA	5	3,250.00
127	DIGITAL DC AMMETER 0-200mA	5	3,250.00
128	DIGITAL DC AMMETER 0-20mA	5	3,250.00
129	DIGITAL DC AMMETER 0-2A	5	3,250.00
130	BREADBOARD	5	1,944.00
131	ANALOG DC AMMETER 100uA	10	6,500.00
132	ANALOG DC AMMETER 5mA	5	3,250.00
133	ANALOG DC AMMETER 100mA	20	13,000.00
134	ANALOG DC VOLTMETER 0-2V	10	6,500.00
135	ANALOG DC VOLTMETER 0-20V	5	3,250.00
136	ANALOG DC VOLTMETER 0-30V	15	9,750.00
137	DECADE RESISTANCE BOX	15	14,175.00
138	DECADE CAPACITANCE BOX	15	21,262.00
139	DECADE INDUCTANCE BOX	15	23,625.00
140	SINGLE OPEN TYPE RHEOSTAT 500 OHMS 1.2A	4	6,144.00
141	DESIGN MANUFACTURING SUPPLY AND ERECTION OF LT PANEL BOARD	1	3,04,000.00

S.No	Description	Qty	Cost
1	DC SHUNT GENERATOR 3 KW COUPLED WITH DC SHUNT MOTOR 5 H.P MAKE: BHEL	1	66,000.00
2	DC SHUNT GENERATOR 3 KW COUPLED WITH DC SHUNT MOTOR 5 H.P MAKE: BENN	1	75,150.00
3	DC SHUNT MOTOR 5 H.P COUPLED WITH DC COMPOUND GENERATOR MAKE: BENN	1	74,790.00
4	DC SHUNT MOTOR WITH LOADING ARRANGEMENT WITH LOADED ROUND DIALS CALES AND FRICTION BELT FOR TORQUE MEASUREMENT	1	45,760.00
5	DC SHUNT MOTOR WITH LOADING ARRANGEMENT	1	33,000.00
6	DIGITAL HAND HELD CENTRAL TYPE TACHO METERS	3	19,500.00
7	DC SHUNT MOTOR 5 HP COUPLED TO DC SHUNT GENERATOR	1	75,520.00
8	DC COMPOUND MOTOR WITH LOADING ARRANGEMENT MAKE: BENN	1	45,760.00
9	DC SERIES IDENTICAL COUPLED MACHINES MAKE; BENN	1	39,830.00
10	DC SHUNT MOTOR 5 HP WITH FLY WHEEL MOUNTED ON SHAFT	1	39,830.00
11	AIR COOLED TYPE RECTIFIER 220V,100A	1	1,40,000.00
12	AIR COOLED AUTO TRANSFORMER OF SINGLE PHASE 15A	2	19,600.00
13	5 HP AUTO SYNCHRO	1	56,510.00
14	5HP DC SHUNT MOTOR COUPLED TO 3 KVA ALTERNATOR	2	1,65,000.00
15	3 HP CSCR SCIM	1	32,180.00
16	5 HP SRIM	1	49,670.00
17	2A SEPARATE EXCITATION UNIT FOR ALTERNATOR	1	7,580.00
18	SINGLE PHASE TRANSFORMER 2KVA CLOSED TYPE	5	52,700.00
19	SINGLE PHASE TRANSFORMER 2KVA FOR SCOTT CONNECTION	2	24,180.00
20	AUXILLARY TRANSFORMER	1	9,080.00
21	SINGLE PHASE RESISTIVE LOADING 5KW.20A	2	22,000.00
22	THREE PHASE 5A INDUCTIVE LOAD	1	40,650.00
23	ROTOR RESISTANCE STARTER	1	16,630.00
24	SPST SWITCH 30A	1	960.00
25	DPST SWITCH30A	1	1,820.00
26	RHEO START	2	6,048.00
27	RHEO START STUD 360 OMH,1.2A	5	5,824.00
28	STEAD RHEO START	3	4,368.00
29	STED RHEO START	2	6,048.00
30	THREE POINT STARTER	2	5,600.00
31	SINGLE PHASE TRANSFORMER 2KVA,230V.	1	10,500.00

32	PORTABLE MC DC VOLTMETER.150V,300V	4	5,800.00
33	MECO PORTABLE MC DC AMMETER 1,2A	2	2,900.00
34	MECO PORTABLE MC DC AMMETER10,20A	4	5,800.00
35	MECO PORTABLE SINGLE PHASE UPF WATT METER(150V,300V,600V,10A,5A0	2	4,800.00
36	MECO PORTABLE SINGLE PHASE LPF WATT METER(75V,150V,2.5A,5A)	2	9,600.00
37	TWO POINT STARTER	1	2,730.00
38	THREE POINT STARTER	6	16,380.00
39	FOUR POINT STARTER	1	2,730.00
40	5HP DC SHUNT MOTOR COUPLED TO 3.5 KVA ALTERNATOR	1	66,000.00
41	MS BASE PLATE WITH LOVEJOY FLEXIBLE COUPLING	1	10,500.00
42	THREE PHASE SQUIRREL CAGE INDUCTION MOTOR BASER PLATE MECHANICAL LOADING ARRANGEMENT	1	14,500.00
43	MS BASE PLATE WITH mechanical loading arrangement	1	10,500.00
44	SINGLE PHASE 20A AUTO TRANSFORMER230-0-270V	1	9,070.00
45	SINGLE PHASE AUTO TRANSFORMER 10A	3	17,430.00
46	3-PHASE,4A AUTO TRANSFORMER 415-0-470V	1	13,950.00
47	3-PHASE,8A AUTO TRANSFORMER 415-0-470V	1	16,860.00
48	3-PHASE,6A AUTO TRANSFORMER 415-0-470V	2	30,220.00
49	DIGITAL TACHO METER	3	6,600.00
50	1-PHASE WIRE WOUND RESISTANCE LOAD	1	19,130.00
51	RHEOSTART 350-OHM/1.7A	4	9,520.00
52	DUAL RANGE PORTABLE VOLT METER 150,300V MC DC	6	10,080.00
53	DUAL RANGE PORTABLE VOLT METER 150,300V MI AC	4	6,120.00
54	DUAL RANGE PORTABLE VOLT METER 250,600V MI AC	4	6,120.00
55	DUAL RANGE PORTABLE VOLT METER 300,600V MI AC	8	12,240.00
56	TRIPLE RANGE PORTABLE VOLT METER	5	7,950.00
57	DUAL RANGE PORTABLE AMMETER WITH INTERNAL SHUNT MCD C RANGEV 10,20A	6	10,620.00
58	DUAL RANGE PORTABLE AMMETER MIAC 0-1,2A	4	6,120.00
59	DUAL RANGE PORTABLE AMMETER MIAC0-5,10A	5	7,650.00
60	DUAL RANGE PORTABLE AMMETER MIAC 0-10,20A	5	7,650.00
61	PORTABLE MI AC VOLTMETER.150V,300V	2	2,900.00
62	PORTABLE MI AC VOLTMETER.300V,600V	2	2,900.00
63	PORTABLE MI AC AMMETER 1,2A	2	2,900.00
64	PORTABLE MI AC AMMETER 5,10A	2	2,900.00
65	1-PHASE UPF WATT METER 150,300,600V 5,10A	4	8,232.00
66	WATT METER 10,20A 300,600VUPF	2	8,290.00
67	WATT METER 5,10A 250,500VUPF	2	8,290.00
68	WATT METER 2.5,5A,75,150,300V LPF	4	17,056.00

69	STED RHEO START 360-OHM/1.2A	1	1,456.00
70	RHEO START FOR MOTOR 250-OHM/2A	3	7,140.00
71	RHEO START 350-OHM/1.7A	2	3,536.00
72	THREE POINT STARTER	1	3,800.00
73	THREE POINT STARTER	2	5,880.00
74	DOL STARTER INTERLOCKED WITH SEPARATE EXCITATION UNIT	1	14,390.00
75	20A SPST SWITCH	2	2,080.00
76	RHEO START 360-OHM/1.2A	1	1,456.00
77	DIGITAL HANDLED CONTACT TYPE TACHO METER	3	19,500.00
78	THREE POINT STARTER	1	3,800.00
79	REGULATED POWER SUPPLY 0-30V,2A DUAL CHANNEL	18	99,000.00
80	TRANSFORMERS 230V/12-0-12V CENTER TOPPED 500mA	6	900.00
81	VARIABLE INDUCTOR 0-150ma/5A	1	3,500.00
82	DECADE RESISTANCE BOX 0-10KOHM	5	9,000.00
83	FUNCTION GENERATOR 1MHz	3	11,400.00
84	DECADE CAPACITANCE BOX (0-100 μ F)	5	10,000.00
85	VOLT METER (0-30V) MC	14	23,240.00
86	VOLT METER (0-2V) MC	2	3,320.00
87	VOLT METER (DESKTOP) 0-30V MI	3	4,980.00
88	VOLT METER (DESKTOP) 0-300V MI	1	1,660.00
89	AMMETER(DESKTOP) 0-30ma MC	15	10,920.00
90	AMMETER(DESKTOP) 0-10ma MC	14	10,192.00
91	AMMETER (DESKTOP) 0-100maMC	1	728.00
92	AMMETER (DESKTOP) 0-500maMC	1	728.00
93	AMMETER (DESKTOP) 0-300 μ A MC	1	728.00
94	AMMETER (DESKTOP) 0-100 μ A MC	1	728.00
95	AMMETER (DESKTOP) 0-10MA MI	1	728.00
96	CRO 30MHz	2	35,000.00
97	MULTI METERS	15	27,000.00
98	R P S	6	33,000.00
99	TRANSFORMER	4	600.00
100	VARIABLE INDUCTOR	1	3,500.00
101	DRB	5	9,000.00
102	DCB	5	10,000.00
103	FUNCTION GENERATORS	1	3,800.00

Name of the Lab: Electrical Simulation Lab

Total Cost: 24,40,807/-

S.No	DESCRIPTION	Qty	COST
1	FIXED POINT TOOL BOX	1	19,800.00
2	SIGNAL PROCESSING BLOCKSET	5	47,750.00
3	COMMUNICATION BLOK SET	5	47,750.00
4	RF BLOCKSET	1	19,800.00
5	VIDEO AND IMAGE PROSSING BLOCKSET	1	19,800.00
6	EMBEDDED TARGET FOR TI C6000 DSP	1	49,500.00
7	SYSTEM IDENTIFICATION TOOL BOX	1	19,800.00
8	CURVE FITTING TOOL BOX	1	19,800.00
9	FUZZY LOGIC TOOL BOX	1	19,800.00
10	OPTIMIZATION TOOL BOX	1	19,800.00
11	PARTIAL DIFFERENTIAL EQUATION TOOL BOX	1	19,800.00
12	STATICS TOOL BOX	1	19,800.00
13	CONTROL SYSTEM TOOL BOX	5	47,750.00
14	SIMPOWER SYSTEM	5	1,19,000.00
15	SIMULATION CONTROL DESIGN	1	19,800.00
16	NEURAL NETWORK TOOL BOX	5	47,750.00
17	ROBUST CONTROL TOOL BOX	1	19,800.00
18	FILTER DESIGN HDL CODER	1	19,800.00
19	IMAGE ACQUISITION TOOL BOX	1	19,800.00
20	MAPPING TOOL BOX	1	19,800.00
21	REAL TIME WORK SHOP	1	49,500.00
22	PSIM 7.0	5	2,75,000.00
23	POWER WORLD SIMULATOR 12.0	1	3,63,636.00
24	ETAP VERSION 5.5.5	5	1,95,000.00
25	LG EXTERNAL DVD RIGHTER	1	1,950.00
26	1TB EXTERNAL HARD DISK	1	4,950.00
27	PRINTER HP3030	1	20,400.00
28	CANON LBP 2900B LASER PRINTER	2	13,998.00
29	DELL COMPUTERS OPTIPLEX 3040	20	6,40,000.00

S. No	Brief Description of the Equipment	Qty.	Cost (Rs)
1.	D.C.Position control system and permanent magnet D.C motor	2	48,000.00
2.	Synscho Transmitter & Receiver	2	32,392.00
3.	Compensation Design	2	22,480.00
4.	Signal Generator	5	52,000.00
5.	Closed loop D.C.Servo Motor Speed Controller	1	7,875.00
6.	Two Phase AC Servo motor Speed Control and Transfer Function Study Trainer	2	25,200.00
7.	Advanced PLC Trainer	2	1,20,000.00
8.	Speed Control of a motor (PMDC Motor)	1	12,000.00
9.	Speed Control of Stepper Motor	1	12,000.00
10.	Stepper Motor Characteristics Study Module	2	19,288.00
11.	Arbitrary Function Generator	1	2,10,000.00
12.	DSPTrainer	2	83,200.00
13.	Spartan 3 FPGA Based Development Kit	2	67,490.00
14.	1.2 HP AC Induction Motor with mechanical loading arrangement power module and software	1set	1,03,045.00
15.	750 Watts Permanent magnet AC Synchronous motor with mechanical loading arrangement power module and software	1-set	1,15,762.00
16.	750 watts Brushless DC Motor with mechanical loading arrangement power module with software (BLDC Motor)	1-set	1,21,275.00
17.	1HP switched Reluctance motor with Electrical loading power module and software (SRMOTOR)	1-set	2,09,475.00
18.	PID Controller	1	11,015.00
19.	D.C.Position Control System	1	15,835.00
20.	A.C.Syncro Set	1	10,861.00
21.	A.C .Synchro Control Transformer	1	7,405.00
22.	20Mhz Dual Trace Oscilloscope	4	67,548.00
23.	D.C.Position Control	1	21,233.00
24.	Synchro Characteristics	1	14,846.00
25.	Magnetic Amplifier Characteristic	1	16,143.00
26.	Compensation Design	1	12,361.00
27.	Time Response of Second order system	1	11,343.00
28.	D.C Servo Motor Speed Torque Characteristics	1	17,389.00
29.	Simulation of Transfer Function using op-Amp	1	11,343.00
30.	Function Generators	8	68,620.00

31.	Digital Multi Meters Cie Make , Model # 122	12	29,400.00
32.	30MHz Dual Channel CRO model no - 801	5	97,500.00
33.	Function Generators 1 MHz Model : FG 1	5	20,000.00
34.	R.P.S (0-30V DC, 2A; Dual Channel) model :302	8	36,000.00
35.	Decade Capacitance Box	2	4,200.00
36.	Decade inductance box	2	4,167.00
37.	PID Controller (Analog Type)	1	30,300.00
38.	D C Servo Motor Speed Torque characteristics	1	26,580.00
39.	Study of Compensation network	1	25,030.00

Name of the Lab: ELECTRICAL MEASUREMENTS

Total Cost: 9,94,347/-

S.No.	DESCRIPTION	QTY.	COST
1.	3-phase Loading rheostat	1	11,500.00
2.	1-Phase Loading rheostat	1	6,500.00
3.	3-Phase Loading capacitor	1	11,800.00
4.	1-Phase Loading capacitor	1	8,300.00
5.	3-Phase Loading Inductor	1	22,300.00
6.	1-Phase Loading Inductor	1	8,050.00
7.	1-Phase Auto transformer	2	8,200.00
8.	1-Phase Auto transformer	6	36,000.00
9.	Current transformer	2	3,720.00
10.	Current transformer	2	3,720.00
11.	Portable wattmeter LPF	3	12,915.00
12.	Portable wattmeter UPF	2	4,118.00
13.	Portable power factor meter	2	6,520.00
14.	Ammeter MI	2	2,160.00
15.	Ammeter MC	1	1,250.00
16.	Ammeter MI	4	5,000.00
17.	Ammeter	2	4,046.00
18.	Wire wound rheostats	10	7,150.00
19.	Wire wound rheostats	10	9,050.00
20.	Wire wound rheostats	10	34,750.00
21.	Wire wound rheostats	10	10,200.00
22.	Wire wound rheostats	20	28,900.00
23.	Power supply DC	2	2,023.00
24.	DC Power supply	2	2,023.00
25.	Voltmeter	2	2,023.00
26.	Voltmeter	1	826.00
27.	Voltmeter	1	826.00

28.	Wire wound rheostat	2	2,023.00
29.	DC Power supply	2	11,460.00
30.	Capacitive Pick-up	1	18,030.00
31.	Strain Guage Moudle	1	14,025.00
32.	Ammeter	2	2,023.00
33.	AE Power Factor Meter	1	63,745.00
34.	Andersons bridge	1	8,700.00
35.	Andersons bridge	2	12,010.00
36.	Volt ratio box	1	5,575.00
37.	Volt ratio box	2	9,768.00
38.	Desauty bridge	1	5,910.00
39.	Schering Bridge	2	10,060.00
40.	Decade condenser boxes	5	27,325.00
41.	Decade inductances bocxes	10	59,200.00
42.	Dial type resistance boxes	5	29,300.00
43.	Dial type resistance boxes	5	38,100.00
44.	Crompton DC Potentiometer	2	18,560.00
45.	Electronic standard cell	2	5,562.00
46.	DC Current shunt	2	5,060.00
47.	Industrial Kelvin double	2	36,978.00
48.	Spot reflecting galvanometers	2	12,108.00
49.	Super sensitive galvanometer	4	4,100.00
50.	Resistance Coils	8	1,197.00
51.	Resistance Coils	8	3,872.00
52.	Andersons bridge	1	8,530.00
53.	Volt ratio box	1	8,060.00
54.	Schering Bridge	1	8,680.00
55.	Crompton DC Potentiometer	1	7,750.00
56.	Kelvin double	1	8,530.00
57.	LVDT MODULE-IT 5A	1	16,042.00
58.	Study Capacitive Pick-up	1	6,271.00
59.	Strain Guage Moudle	1	10,906.00
60.	Current transformer	1	850.00
61.	Current transformer	2	1,214.00
62.	Phase shifting transformer	1	29,671.00
63.	Ammeter MI	2	1,660.00
64.	Ammeter MI	4	6,120.00
65.	Voltmeter MI	2	3,060.00
66.	Wattmeter LPF	4	17,056.00
67.	Wattmeter UPF	4	8,832.00
68.	Voltmeter MI 300/600	5	7,650.00
69.	Voltmeter MI 250/500	4	6,120.00
70.	Voltmeter MI 150/300	3	4,590.00
71.	Voltmeter MI 75/150/300	5	7,950.00
72.	Precision Current transformer	1	3,654.00
73.	3 Phase 10A Resistive Load	1	35,650.00
74.	1 Phase 20A Loading Rheostats	2	22,000.00
75.	3 Phase Loading Inductor	1	40,650.00

76.	1-Phase Loading Inductor	1	20,950.00
77.	1-Phase Auto transformer	2	31,780.00
78.	Wire wound rheostats	2	4,420.00
79.	Wire wound rheostats	3	7,140.00

Name of the Lab ELECTRONIC DEVICES & CIRCUITS Total Cost: 7,18,867/-

S.NO.	DESCRIPTION	QTY.	COST
1.	20MHz Oscilloscope.GOS-620	10	1,55,000.00
2.	20MHz Oscilloscope.GOS-620(with component tester)	5	82,500.00
3.	Dual Regulated power supply 30V/2A	20	63,640.00
4.	Function Generator 1Mhz	25	1,63,800.00
5.	Decade Resistance Boxes(0 to 1M ohms)	10	10,290.00
6.	Decade Inductance Boxes(100 μ H to 10 μ H)	10	13,470.00
7.	Decade Capacitance Boxes(100pf to 10 pf)	10	14,500.00
8.	Digital multi meter	20	27,900.00
9.	DC Voltmeters (Portable)30V	10	6,550.00
10.	AC Voltmeters (Portable)50V	10	5,610.00
11.	DC Ammeters(Portable)250mA	10	7,480.00
12.	DC Voltmeters (Portable)1V	5	3,275.00
13.	DC Voltmeters (Portable)2V	10	6,550.00
14.	DC Voltmeters (Portable)10V	5	3,275.00
15.	DC Voltmeters (Portable)30V	15	9,825.00
16.	AC Voltmeters (Portable)30V	10	5,610.00
17.	DC Ammeters(Portable)1mA	5	3,740.00
18.	DC Ammeters(Portable)10mA	7	5,236.00
19.	DC Ammeters(Portable)30mA	20	14,960.00
20.	DC Ammeters(Portable)50mA	20	14,960.00
21.	DC Ammeters(Portable)100mA	15	11,220.00
22.	DC Ammeters(Portable)500mA	10	7,480.00
23.	DC Ammeters(Portable)50 μ A	2	1,496.00
24.	DC Ammeters(Portable)100 μ A	20	14,960.00
25.	DC Ammeters(Portable)500 μ A	10	7,480.00
26.	Digital multi meter	6	14,700.00
27.	FUNCTION GENERATORS	6	24000.00
28.	DC (Desktop) Voltmeter (0-30V)	5	4400.00
29.	DC (Desktop) Ammeter (0-30mA)	12	10,560.00
30.	DC (Desktop) Ammeter (0-50MicroA)	5	4400.00

Name of the Lab: Power Systems Lab

Total Cost: 2,86,344/-

S.No	Description	Qty	Cost
1.	IDMT Over current relay	1	19,052.80

2.	IDMT Over current relay	1	19,052.80
3.	Directional over current relay	1	21,679.43
4.	Percentage Differential Relay with Phase shifting transformer	1	82,955.25
5.	1-phase inverse time over current realy	1	30,285.25
6.	Static overcurrent relay(Microprocessor based)	1	24,886.57
7.	Load Transformers	1	40,950.00
8.	1-PHASE loading rheostat	1	15,300.00
9.	1-Phase auto transformer-2	1	11,000.00
10.	3-PHASE T/F	1	16,235.00

Name of the Lab: MICROPROCESSORS & MICROCONTROLLERS LAB

Total Cost: 1,91,120/-

SL.NO	DESCRIPTION	QTY.	COST
1	Microprocessor (8086)	15	84,000.00
2	Microcontrollers (8051/31)	15	93,000.00
3	7 SEGMENT ROLLING DISPLAY	2	3,400.00
4	A TO D CONVERTER	2	3,000.00
5	D TO A CONVERTER	2	2,250.00
6	TRAFFIC LIGHT CONTROLLER	2	1,400.00
7	STEPPER MOTOR	2	4,070.00

Name of the Lab: BASIC ELECTRICAL LAB

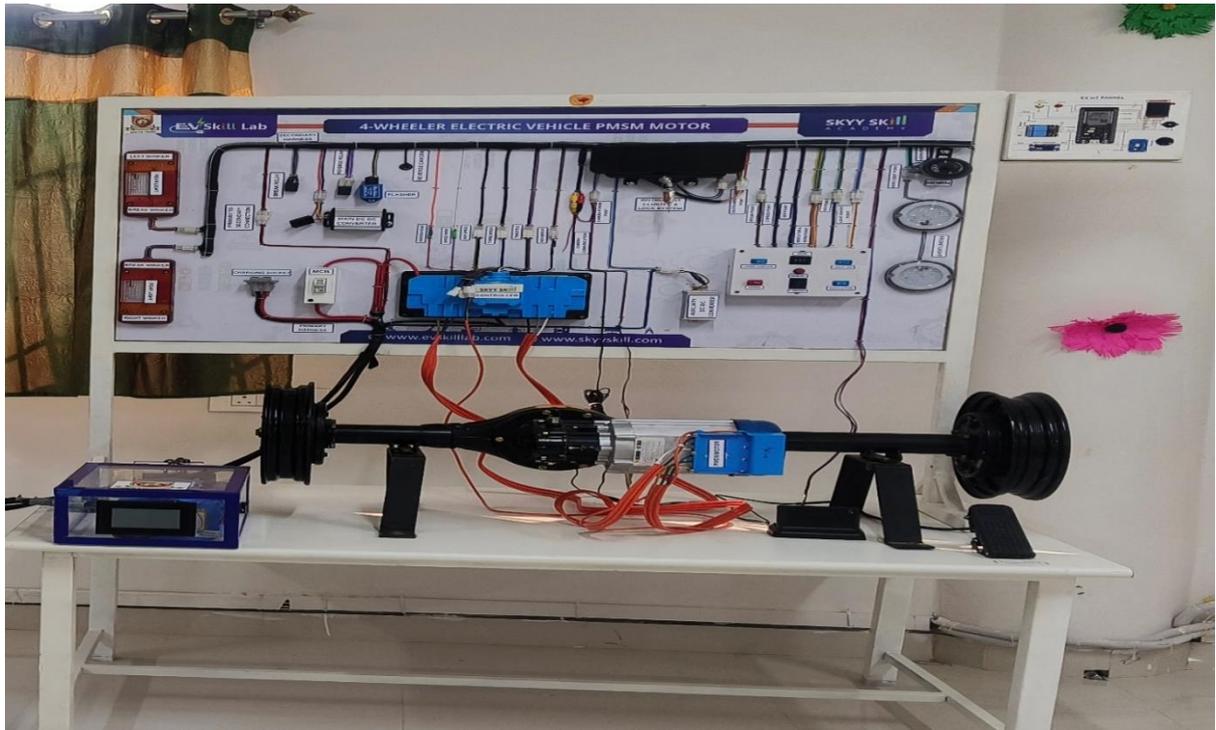
Total Cost: Rs.99,730/-

S. No	Brief Description of the Equipment	Qty.	Cost (Rs)
1.	RPS	9	49,500.00
2.	TRANSFORMERS	4	600.00
3.	FUNCTION GENERATORS	1	3,800.00
4.	VOLTMETER (0-30V) (SUN SEAS)	5	4,400.00
5.	AMMETER (0-30MA) (SUN SEAS)	5	4,400.00
6.	AMMETER (0-10MA) (SUN SEAS)	2	1,760.00
7.	AMMETER (0-100MA) (SUN SEAS)	4	3,520.00
8.	DIGITAL MULTI METERS(MULTI TECH)	5	12,250.00
9.	CRO 30MHz (LOKESH)	1	19,500.00









DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATORIES

TOTAL COST OF THE LABS AS ON JANUARY 2025

Rs. 02,67,63,073.00

S.No	Name of the Laboratory	Total Cost (Rs.)
1.	CAD/CAM lab	88,60,811.00
2.	Advanced Fab & 3D Printing Lab	18,05,400.00
3.	Engineering Mechanics Lab	2,53,500.00
4.	Fluid Mechanics & Hydraulic Machinery Lab	13,91,349.00
5.	Internal Combustion Engines Lab	38,48,185.00
6.	Manufacturing Technology Lab	5,58,899.00
7.	Material Science Lab	17,53,681.00
8.	Dynamics Lab	5,01,545.00
9.	Instrumentation lab	2,30,291.00
10.	Heat Transfer Lab	7,48,525.00
11.	Metrology & Machine Tools Lab	13,72,825.00
12.	Thermal Engineering Lab	5,52,703.00
13.	Engineering Workshop	16,28,224.00
14.	Research & Development Lab / Incubation Centre	32,57,135.00
Total		02,67,63,073.00

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATOES

CAD LAB



DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATORIES

CAD / CAM LAB

CAD & CAM SOFTWARES			
S.No	Name of the Software	No. of Users	Price Rs.
1.	Auto CAD 2004 Auto CAD [2014] AICTE Downloaded	1	38,480.00
2.	Auto desk Mechanical Educational solution set	11	6,59,720.00
3.	Pro-Engineer (Wild fire 3.0)	50	4,82,000.00
4.	Pro-Engineer (Wild fire 5.0) Perpetual	50	3,80,000.00
5.	Ansys 7.0 <i>Upgrade to</i> Ansys 11.0	05	1,20,000.00 44,500.00
6.	Ansys 17.0 PERPETUAL	50	5,00,000.00
7.	Edge CAM 12.5 <i>Upgrade to</i> Edge CAM 2014 R2	05	93,600.00 50,966.00
8.	Cut viewer Turn	10	96,390.00
9.	Cut viewer Mill	10	
10.	Den ford Machining simulation software (Off-line)	06	75,000.00
11.	Workspace Software	01	1,10,000.00
		TOTAL	26,50,656.00

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATOIRES

COMPUTERS & ACCESSORIES
(AS ON NOVEMBER 2024)

S.NO	Computer Configuration	Qty	Cost Rs.
1.	IBM- THINK CENTRE COMPUTER: ➤ CPU- Intel Pentium 4, 3 GHz ➤ RAM- 512MB, Hard Disk – 80 GB ➤ 107 Key Board, Optical Mouse ➤ 15" Color Monitor	33	Obsolete (13,27,590.00)
2.	HP COMPUTERS: ➤ CPU- Intel Pentium 4, 3 GHz ➤ RAM- 512MB,Hard Disk – 80 GB ➤ 107 Key Board, Optical Mouse ➤ 15" Colour Monitor	02	
3.	IBM/ LENOVO THICK CENTRE COMPUTERS: ➤ CPU- Intel Pentium 4, 3 GHz ➤ RAM- 512MB,Hard Disk – 80 GB ➤ 107 Key Board, Optical Mouse ➤ 15" colour Monitor	10	
4.	Dell Inspiron: ➤ 500Gb HDD, 2Gb RAM, ➤ Intel Dual Core Processor, ➤ 17" LCD Monitor, ➤ Key Board & Optical Mouse	01	
5.	Acer Systems : ➤ 500Gb HDD, 2Gb RAM, ➤ Intel Dual Core Processor, ➤ 17" LCD Monitor, Key Board & Optical Mouse	01	
6.	Dell Inspiron: ➤ 500Gb HDD, 2Gb RAM, ➤ Intel Dual Core Processor, ➤ 17" LCD Monitor, 107 Key Board & Optical Mouse	19	06,67,500.00
7.	Acer Systems : ➤ 500Gb HDD, 2Gb RAM, ➤ Intel Dual Core Processor, ➤ 17" LCD Monitor, Key Board & Optical Mouse	04	
8.	Dell Computers: ➤ Optiplex-3020-Intell core i5 4 th gen. 4590 Processor 3.7GHz and 6MB Cache ➤ 4GB DDR3 1600MHz, RAM (1 x 4GB), 500GB ➤ SATA HDD 7200RPM ➤ 2GB Graphics- ATI / AMD RADEON card ➤ DELL 18.5" LED WTFT Monitor.	60	26,51,100.00
9.	Dell Computers-3020: ➤ Intel Core-i7, 4 th Generation, ➤ 8 Gb Ram, 1TB HDD, ➤ 20" LED Monitor, Key Board, Optical Mouse	20	04,86,101.00
10.	Dell LED Monitors – 19" @ Rs.6,150.00 each Desll Key Boards & Optical Mouse @ Rs.695.00 each	15	01,02,925.00
11.	Dell Computers for SIEMENS (25 No's)	25	03,40,000.00
12.	Server: ➤ Processor: IBM XSeries-3500, 3 GHz ➤ RAM- 7GB ➤ Hard Disk-280GB	01	3,40,000.00
13.	55" M.I 4K LED TV	01	41,000.00
14.	EPSON DLP	01	30,490.00
TOTAL			46,59,116.00

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATOES

CAM LAB



CAM LAB



DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATOIRES

CAM LAB

S.No	Name of the Equipment / Software	No. of Users	Price Rs.
1.	CNC XL TURN With STD. Accessories	01	3,36,000.00
2.	CNC XL MILL With STD. Accessories	01	6,76,362.00
3.	6-Axis Aristo ROBOT	01	4,14,550.00
4.	AIR COMPRESSOR-MULTISTAGE	01	20,402.00
5.	Flash forge Dual Extruder 3D Printer	01	1,00,225.00
6.	3D Pen	01	3,500.00
TOTAL			15,51,039.00

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATORIES

ENGINEERING MECHANICS LAB

S. No	Name of the Equipment	Qty.	Cost. Rs	Date /Year of Purchase
1	POLYGON LAW OF FORCES APPARATUS	01	17,500.00	04.12.2015
2	VERIFICATION OF LAMI'S THEOREM	01	18,500.00	04.12.2015
3	SIMPLY SUPPORTED BEAM APPARATUS	01	15,500.00	04.12.2015
4	INCLINED PLANE SET-UP	01	15,500.00	04.12.2015
5	BELL CRANK LEVER APPARATUS	01	10,500.00	04.12.2015
6	MOMENT OF INERTIA OF FLYWHEEL SET-UP	01	18,500.00	04.12.2015
7	SIMPLE SCREW JACK SET-UP	01	15,500.00	04.12.2015
8	SIMPLE WHEEL AND AXIAL SET-UP	01	8,500.00	04.12.2015
9	SIMPLE WHEEL & DIFFERENTIAL AXEL SET-UP	01	12,500.00	04.12.2015
10	WORM & WORM WHEEL SET-UP	01	18,000.00	04.12.2015
11	RESULTANT OF A CONCURRENT FORCE SET-UP	01	28,500.00	04.12.2015
12	CO-EFFICIENT OF FRICTION FOR DIFFERENT MATERIALS SET-UP	01	45,500.00	04.12.2015
13	RESULTANT OF A COPLANER FORCE SET-UP	01	29,000.00	04.12.2015
Total			2,53,500.00	

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATOIRES

FLUID MECHANICS & HYDRAULIC MACHINERY LABORATORY

1.	MOUTH PIECE/ORIFICE APPARATUS	1	52,500.00
2.	BERNOULIES THEOREM APPARATUS	1	52,000.00
3.	IMPACT OF JET ON VANES APPARATUS	1	49,500.00
4.	TRIANGULAR/RECTANGULAR NOTCH APPARATUS	1	52,500.00
5.	VENTURI METER & ORIFICE METER APPARATUS	1	49,500.00
6.	FRICTION FACTOR APPARATUS (MAJOR LOSSES)	1	49,500.00
7.	PELTON WHEEL TEST RIG	1	1,25,000.00
8.	DIGITAL HAND TACHOMETER APPARATUS	1	3,250.00
9.	KAPLAN TURBINE TEST RIG	1	2,88,750.00
10.	FRANCIS TURBINE TEST RIG	1	2,08,580.00
11.	HYDRAULIC JUMP APPARATUS	1	1,24,950.00
12.	HYDRAULIC TILTING FLUME TEST RIG	1	4,89,982.00
13.	MULTISTAGE CENTRIFUGAL PUMP	1	46,777.00
14.	TURBINE FLOW METER APPARATUS	1	74,025.00
15.	MICRO-MANOMETER APPARATUS	1	51,975.00
16.	SINGLE STAGE CENTRIFUGAL PUMP TEST RIG	1	55,750.00
17.	RECIPROCATING PUMP APPARATUS	1	52,760.00
18.	LOSS OF HEAD DUE TO SUDDEN CONTRACTION &TURBINEFLOW METER APPARATUS	1	48,000.00
		TOTAL	13,85,317.00

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATORIES

INTERNAL COMBUSTION ENGINES LAB

S. NO	BRIEF DESCRIPTION OF THE EQUIPMENT	QTY.	COST IN Rs.
1.	COMPUTERIZED FOUR STROKE SINGLE CYLINDER KIRLOSKAR VCR MULTI FUEL RESEARCH ENGINE TEST RIG WITH EDDYCURRENT DYNAMOMETER.	1	9,56,250.00
2.	COMPUTERIZED FOUR STROKE MULTI CYLINDER MARUTHI PETROL ENGINE TEST RIG WITH HYDRAULIC DYNAMOMETER.	1	6,86,250.00
3.	FOUR STROKE SINGLE CYLINDER PETROL ENGINE TEST RIG WITH ELECTRICAL RESISTANCE BANK DYNAMOMETER.	1	1,53,430.00
4.	FOUR STROKE SIX CYLINDER TATA DIESEL ENGINE TEST RIG WITH MECHANICAL BRAKE DYNAMOMETER.	1	75,000.00 (Obsolete)
5.	COMPUTERIZED FOUR STROKE SINGLE CYLINDER KIRLOSKAR DIESEL ENGINE TEST RIG WITH EDDY CURRENT DYNAMOMETER.	1	4,85,490.00
6.	SMOKE METER(AVL) WITH DI-SPEED	1	1,64,298.00
7.	FIVE GAS ANALYZER (AVL)	1	2,48,357.00
8.	FOUR STROKE SINGLE CYLINDER KIRLOSKAR DIESEL ENGINE TEST RIG WITH MECHANICAL BRAKE DYNAMOMETER	1	1,04,000.00
9.	FOUR STROKE FOUR CYLINDER AMBASSADOR PETROL ENGINE TEST RIG WITH HYDRAULIC DYNAMOMETER (WITH GAS CONVERSION KIT)	1	1,38,560.00 (Obsolete)
10.	PIEZO SENSOR, LOAD SENSORS, ENCODERS	1	2,17,550.00
11.	MARUTI CRDI MULTI CYLINDER DIESEL ENGINE TEST RIG	1	5,90,000.00
12.	FOUR STROKE SINGLE CYLINDER DIESEL ENGINE CUT SECTION MODEL	01	15,000.00
13.	TWO STROKE SINGLE CYLINDER PETROL ENGINE CUT SECTION MODEL	01	14,000.00
TOTAL			38,48,185.00

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATORIES

MANUFACTURING TECHNOLOGY LAB

S. No	Brief Description of the Equipment	Qty.	Cost in Rs.
1.	INJECTION MOLDING MACHINE [½ oz]	1	9,000.00
2.	50GM BOTTLE DIE FOR BLOW MOLDING MACHINE	1	10,300.00
3.	BOTTLE CAP DIE FOR INJECTION MOLDING MACHINE	1	4,100.00
4.	1oz BLOW MOLDING MACHINE	1	10,150.00
5.	½ HP AIR COMPRESSOR	1	7,250.00
6.	3/8 to 1 INCH HYDRAULIC PIPE BENDING MACHINE	1	8,500.00
7.	8KVA SPOT WELDING MACHINE	1	22,700.00
8.	HYDRAULIC PRESS (6.5 TON)	1	75,720.00
9.	TIG WELDING SET, AC-DC	1	37,900.00
10.	SAND SIEVER	1	38,400.00
11.	SAND RAMMER	1	20,900.00
12.	PERMEABILITY TESTER	1	31,200.00
13.	UNIVERSAL SAND STRENGTH TESTING MACHINE	1	53,000.00
14.	MULTI PLAZA – 2500	1	1,76,800.00
15.	POWER HACKSAW MACHINE	1	22,000.00
16.	ARC WELDING MACHINE	1	17,615.00
17.	ACCESARIES		13,364.00
TOTAL			5,58,899.00

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATORIES

MATERIAL SCIENCE LAB

S.NO	NAME OF THE EQUIPMENT	QTY.	Cost (Rs.)
1.	Specimen Cut-off Machine	01	24,000.00
2.	Heat Treatment Furnace	01	13,000.00
3.	Polishing stand with bench	02	7200.00
4.	Microscope (Model: Metz-57)	02	25,000.00
5.	Metzer Projection Microscope	01	28,000.00
6.	Inverted Trinocular Metallurgical Microscope [Low cost series]	01	18,000.00
7.	Metzer-Binocular Metallurgical Microscope	05	96,500.00
8.	Double Disk Polishing Machine	01	16,600.00
9.	Hot Air-Drier	01	550.00
10.	Case Carburizing Box	01	3500.00
11.	Linisher	01	9,000.00
12.	Specimen mounting Press	01	10,500.00
13.	Hydraulic Mounting press [3T]	01	15,000.00
14.	Jomny End quench Apparatus	01	24,000.00
15.	Magnetic Error detector	01	28,625.00
16.	Standard Specimen	54	18,900.00
17.	Specimen leveler	01	1200.00
18.	Voltage Regulator	03	1500.00
19.	LTV Metallurgical Microscope CMOS Camera 5MP	01	1,29,800.00
20.	Pin on disc friction wear test rig	01	3,22,031.00
21.	Comprised Universal Tensile Testing Machine[05 ton]	01	4,00,000.00
22.	Hydraulic Press [50 ton]	01	3,80,000.00
23.	Digital Ijod/Charpy Impact Tester	01	1,37,000.00
24.	V Notch Cutter	01	43,775.00
		TOTAL	17,53,681.00

DEPARTMENT OF MECHANICAL ENGINEERING
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DYNAMICS LAB

S.No	DESCRIPTION OF THE EQUIPMENT	QTY	COST IN Rs.
1.	Damped Spring –Mass Vibrating System	01	28,111.00
2.	Steady State Amplitude Of A Forced Vibrating System	01	26,863.00
3.	Static Balancing Using Steel Balls	01	15,470.00
4.	Static & Dynamic Balancing Of Rotary Masses	02	36,948.00
5.	Field Balancing Of The Thin Rotor Using Vibration Pick-Up	01	38,719.00
6.	Motorized Gyroscope	02	53,884.00
7.	Whirling of Shaft Apparatus	01	28,500.00
8.	CAM Analysis Apparatus	01	27,000.00
9.	Universal Governor Apparatus	01	28,750.00
10.	Universal VIB-LAB	01	70,500.00
11.	Epi-Cyclic Gear Train Holding Torque Apparatus	01	65,000.00
12.	Turn Table Apparatus	01	35,500.00
13.	Kinematics of 4-Bar Mechanism i. Slider Crank Mechanism ii. Oscillating Cylinder Mechanism iii. Whitworth Mechanism iv. 4-Bar link Mechanism	1set	21,750.00
14.	Kinematics of Gear Trains i. Single Stage Spur gear with intermediate Gear ii. Differential Gear	1set	11,000.00
15.	Kinematics of Joints i. Knuckle joint ii. Gib& Cotter joint iii. Sleeve & Cotter Joint iv. Socket & spigot joint	1set	13,550.00
TOTAL			05,01,545.00

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATORIES

HEAT TRANSFER LAB

S.NO	DESCRIPTION OF THE EXPERIMENT	QTY.	COST IN Rs.
1.	Steffen Boltzmann Constant Apparatus	02	48,350.00
2.	Heat Transfer Through Composite Wall Apparatus	02	68,600.00
3.	Surface Heat Transfer Coefficient By Natural Convection Apparatus	02	59,000.00
4.	Thermal Conductivity Of Insulating Powder Apparatus	02	60,900.00
5.	Heat Transfer Through Heat Exchanger Apparatus	02	60,800.00
6.	Emissivity Of The Given Test Plate Apparatus	02	61,700.00
7.	Heat Transfer Through Pin Fin Apparatus Apparatus	02	64,700.00
8.	Critical Heat Flux Apparatus	02	60,125.00
9.	Drop Wise And Film Wise Condensation Apparatus	02	85,250.00
10.	Heat Pipe Demonstration Apparatus	02	63,800.00
11.	Thermal Conductivity Of Metal Rod Apparatus	02	59,150.00
12.	Heat Transfer Through Lagged Pipe Apparatus	01	56,150.00
TOTAL			7,48,525.00

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATORIES

INSTRUMENTATION LAB

S.NO	Brief description of the equipment	Qty.	Procurement Cost in Rs.
1.	Pressure Measurement Trainer	4	47,551.50
2.	Trainer Module for LVDT	3	18,000.00
3.	LOAD(FORCE) MEASUREMENT TRAINER	1	6,500.00
4.	STRAIN MEASUREMENT TRAINER MODULE	3	18,900.00
5.	MEASUREMENT OF TEMPERATURE SETUP (THERMOCOUPLE,RTD,THERMISTOR)	1	4,800.00
6.	MEASUREMENT OF TEMPERATURE (RTD)	2	13,000.00
7.	SENSORS OF RTD,THERMOCOUPLE,THERMISTOR EACH	3	1,500.00
8.	F-UITM7-SPEED MEASUREMENT TRAINER MODULE TO MEASURE SPEED BY MAGNETIC AND PHOTOREFLECTIVE	1	7,260.00
9.	F-STUDY AND CALIBRATION OF MC LEOD GAUGE WITH COMPRESSOR	1	10,500.00
10.	F-UITM11L-CAPACITANCE TRAINER MODULE (LINEAR DISPLACEMENT)	3	25,587.50
11.	F-UITM13-ROTAMETER TRAINER TO MEASURE FLOW	1	18,480.00
12.	F- STUDY OF ANEMOMETER	1	19,250.00
13.	F-VIBRATION ANALYSER	1	29,837.50
14.	F-UITM11A – CAPACITANCE TRAINER MODULE (ANGULAR DISPLACEMENT)	1	9,124.50
TOTAL			2,30,291.00

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATORIES

MACHINE TOOLS LAB

S.NO	Brief description of the equipment	Qty.	Procurement Cost in Rs.
1.	UNIVERSAL GEAR HEAD MILLING MACHINE[EVEREST]	1	82,170.00
2.	AKAR BRAND – SHAPING MACHINE	1	45,320.00
3.	KINNY BRAND- SLOTTING MACHINE	1	32,945.00
4.	JAYSHREE BRAND LATHE MACHINE	2	60,700.00
5.	ANIL BRAND LATHE MACHINE (Bed No's: 2778,2779)	2	1,56,491.00
6.	ANIL BRAND LATHE MACHINE, (Bed Nos:2776,2777)	2	1,43,937.00
7.	ANIL BRAND LATHE MACHINE (Bed No: 2775)	1	83,457.00
8.	ANIL BRAND LATHE MACHINE (Bed No: 2780,)	1	62,804.00
9.	UNI-TECH ALL GEARED LATHE MACHINE	01	1,05,000.00
10.	UNI-TECH LATHE MACHINES	02	1,34,400.00
11.	TOOL & CUTTER GRINDER	1	1,62,085.00
12.	SMT.BRAND RADIAL DRILLING MACHINE	1	1,27,211.00
Total Cost			11,96,520.00

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATOIRES

METOLOGY LAB

S. NO	NAME OF THE EQUIPMENT	QTY.	Procurement Cost in Rs.
1.	OUT SIDE MICROMETER (0-25 MM)	2	1,900.00
2.	OUT SIDE MICROMETER (25-50 MM)	1	2,000.0.
3.	OUT SIDE MICROMETER (50-75 MM)	1	2,300.00
4.	OUT SIDE MICROMETER (75-100 MM)	1	2,450.00
5.	DEPTH MICROMETER (0-75 MM)	1	4,450.00
6.	DEPTH MICROMETER (0-100 MM)	1	4,800.00
7.	VERNIER CALIPER (0-150MM)	1	2,000.00
8.	VERNIER CALIPER (0-200MM)	1	2,400.00
9.	DIGITAL VERNIER CALIPER	1	1,580.00
10.	SINE BAR 150MM	1	2,650.00
11.	BEVEL PROTRACTOR (6"X12")	1	3,705.00
12.	TAPER RING GAUGE (MT1)	1	4,895.00
13.	TAPER PLUG GAUGE (MT2)	1	3,680.00
14.	TAPER PLUG GAUGE (MT3)	1	3,680.00
15.	GEAR TOOTH CALIPER	1	6,100.00
16.	SURFACE PLATE C.I (300X300)	1	1,794.00
17.	SURFACE PLATE C.I (600X600)	1	5,000.00
18.	STRAIGHT EDGE C.I (300X40X5MM)	1	1,620.00
19.	FEELAR GAUGE (6"X28)	1SET	2,500.00
20.	SLIP GAUGE BOX SET OF 83 PIECES	2 NOS	10,500.00
21.	DIAL GAUGE (0-10MM)	1	2,860.00
22.	DIAL GAUGE (0-10MM) WITH STAND	1	5,700.00
23.	SPRIT LEVEL INDICATOR	01	500.00
24.	BORED CYLINDRICAL WORK PIECE	01	750.00
25.	GO-NO GO RING GUAGE (12MM)	01	1,640.00
26.	GO-NO GO RING GUAGE (10MM)	01	525.00
27.	GO-NO GO RING GUAGE (11MM)	01	525.00
28.	PLAIN PLUG GUAGE (12MM)	01	2,600.00
29.	PLAIN PLUG GUAGE (10MM)	01	250.00
30.	PROFILE PROJECTOR	01	51,571.00
31.	HIGHT GUAGE	01	3,000.00
32.	STEEL V-BLOCKS (50X40X40MM)	01	9,500.00
33.	STEEL V-BLOCKS (80X63X63MM)	01	1,800.00
34.	SCREW THREAD MICROMETER	01	18,300.00
35.	CYLINDER BORE GUAGE	01	6,200.00
36.	THREAD GAUGE (BRITISH & METRIC)	04	80.00
37.	ANGLE PLATE	01	2,500.00
TOTAL			1,76,305.00

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATORIES

THERMAL ENGINEERING LAB

S. NO	BRIEF DESCRIPTION OF THE EQUIPMENT	QTY	PROCUREMENT COST IN Rs.
1.	TWO STAGE RECIPROCATING AIR COMPRESSOR TEST RIG	1	61,962.00
2.	AIR CONDITIONING TEST RIG/TUTOR	1	75,375.00
3.	REFRIGERATION TEST RIG/TUTOR	1	68,875.00
4.	DIGITAL BOMB CALORIMETER-DELUXE	2	80,022.00
5.	ROTARY AIR COMPRESSOR TEST RIG	1	1,31,888.00
6.	RED WOOD VISCOMETER	1	16,800.00
7.	SAY BOLT VISCOMETER	1	15,500.00
8.	ABLE FLASH & FIRE POINT APPARATUS	1	14,600.00
9.	CARBON RESIDUE APPARATUS	1	8,400.00
10.	CLOUD & POINT APPARATUS.	1	8,400.00
11.	JUNKERS GAS CALORIMETER	1	40,881.00
12.	CLEVELAND FLASH & FIRE POINT APPARATUS	1	14,600.00
13.	ENGLER VISCOMETER	1	15,400.00
TOTAL			5,52,703.00

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATOIRES

ENGINEERING WORK SHOP

CARPENTRY TRADE			
S. NO	NAME OF THE JOB	NO. OF SETUPS	NO. OF STUDENTS PER SETUP
1	CORNER LAP JOINT	16	01
2	T-LAP JOINT	16	01
3	LAP DOVETAIL JOINT	16	01
4	MORTISE & TENNON JOINT	16	01
5	OPEN BRIDLE JOINT	16	01
6	WOOD TURNING LATHE	01	01
FITTING TRADE			
S. NO	NAME OF THE JOB	NO. OF SETUPS	NO. OF STUDENTS PER SETUP
1	SQUARE FIT	16	01
2	V -FIT	16	01
3	DOVETAIL FIT	16	01
4	STEPPED FIT	16	01
5	HALF ROUND FIT	16	01
TIN SMITHY TRADE			
S. NO	NAME OF THE JOB	NO. OF SETUPS	NO. OF STUDENTS PER SETUP
1	CYLINDRICAL PIPE	10	01
2	RECTANGULAR TRAY	10	01
3	FUNNEL	10	01
4	DUST PAN	10	01
5	INCLINED CYLINDRICAL PIPE	10	01
HOUSE WIRING TRADE			
S. NO	NAME OF THE JOB	NO. OF SETUPS	NO. OF STUDENTS PER SETUP
1	ONE LAMP CONTROLLED BY ONEWAY SWITCH	12	01
2	SERIES CONNECTION	12	01
3	PARALLEL CONNECTION	12	01
4	STAIR CASE CONNECTION	12	01
5	TUBE LIGHT CONNECTION	12	01
WELDING TRADE			
S. NO	NAME OF THE JOB	NO. OF SETUPS	NO. OF STUDENTS PER SETUP
1	ARC WELDING LAYER PRACTICE	02	01
2	SINGLE V-BUTT JOINT	02	01
3	LAP JOINT	02	01
4	T-JOINT	02	01
5	CORNER JOINT	02	01
SOLDERING TRADE			
S. NO	NAME OF THE JOB	NO. OF SETUPS	NO. OF STUDENTS PER SETUP
1	SOLDERING & DESOLDERING PRACTICE	05	01
2	SERIES CIRCUIT	05	01
3	PARALLEL CIRCUIT	05	01
4	SERIES & PARALLEL	05	01
Total Cost			16,28,224.00

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATORIES

BOSCH POWER TOOLS

S. NO	NAME OF POWER TOOL	QTY.	COST (Rs)
1.	HIGH SPEED STRAIGHT GRINDER	1	7,32,048.00
2.	HIGH TORQUE DRILL MACHINE [13mm]	1	
3.	MINI ANGLE GRINDER	5	
4.	NIBBLER - 500 WATTS	1	
5.	JIG SAW, GST - 135 BCE	2	
6.	PLANNER PROFESSIONAL - 710 WATTS	5	
7.	HIGH FINISH ROUTER - 900 WATTS	1	
8.	ECCENTRIC SANDER - 150 MM - 340 WATTS	1	
9.	HIGH SPEED GRINDER/CUTTER	1	
10.	CIRCULAR SAW, GKS - 190	4	
11.	CUTT OF SAW, GCO - 2000	3	
12.	BOSCH HAND MAN KITS	4	
13.	METER SAW, GCM I - OM	1	
14.	SAWS, GSA - 110 - CE	3	
15.	STRAIGHT GRINDER, GGS -227 LC	2	
16.	SHEAR CUTTING MACHINE	3	
17.	DETECTORS, DMF - 10 ZOOM - 5080	3	
18.	IMPACT DRILL, GSB - 21-2 RE	2	
19.	IMPACT WRENCHES, GDS - 18 E	1	
	TOTAL	44	7,32,048.00

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATORIES

Dr. V. Siva Reddy, Professor of M.E

RESEARCH & DEVELOPMENT LAB / INCUBATION CENTER

S. No	Name of the Equipment	Qty	Date of Purchase	Cost [Rs.]	Remarks
1.	Data Logger	02	26-12-2016 11-02-2019	5,70,000.00	SERB-DST DST-FIST
2.	Pyrometers (three wire)	01	06-12-2016	78,750.00	SERB-DST
3.	High Temperature Circulating Pumps	02	10-02-2018	65,000.00	
4.	High Temperature air Blower	01	10-02-2018	35,000.00	
5.	Solar dryer cabin with conveyor belt Heat Exchangers – 03 No's	01	10-02-2018	1,21,500.00	
6.	ETC with heat pipe Solar Collectors	10	10-02-2018	2,88,000.00	
7.	Flow meter/Display unit	01	21-03-2018	40,500.00	
8.	Onion slicer	01	12-03-2019	27,000.00	
9.	High Temperature Circulating Pumps – Heat Transfer oil – 03 drums[400 ltrs] Storage Tank – 01 [500 litres]				
10.	Pyrometers (eight wire)	01	11-02-2019	2,09,225.00	
11.	Pyrheliometer (eight wire)	01	11-02-2019	2,09,225.00	
12.	Sun Tracker	01	11-02-2019	7,46,935.00	
13.	Moisture Analyser [01 No]	01	29-03-2019	4,41,000.00	
14.	Solar Laboratory drier	01	31.08.2021	08,14,195.00	
15.	ETC with heat pipe Solar Collectors	01	-	-	Not Installed
16.	Soya Milk Plant – Capacity 50 liters /hr	01	10-07-2018	4,25,000.00	Institute-R&D
Total				40,71,330.00	

All the above equipment is verified as per Central Stock Register of the M.E Department & DST-SERB, Soya Milk Plant, DST-FIST stock registers by Dr. Dasore Abhishek, Assistant Professor of M.E & Mr.B.Suresh, Assistant Professor of M.E.

All the above are submitted by

All the above are received by

Dr. V.Siva Reddy, Professor of M.E

Dr.Dasore Abhishek, Asst. Prof. of M.E

Mr.B.Suresh, Asst. Prof. of M.E

HOD-M.E

DEPARTMENT OF MECHANICAL ENGINEERING
STATE OF ART LABORATORIES

LIST OF SOFTWARES:

1. Pro-E (Wild fire 5.0) : 50 users Perpetual
2. Auto CAD 2014 (AICTE Down load) : unlimited Users Perpetual
3. ANSYS 17.0 : 50 Users Perpetual
4. Edge CAM 2014-R2 : 05 Users Perpetual
5. Cut Viewer Turn : 10 Users Perpetual
6. Cut Viewer Mill : 10 Users Perpetual
7. Den ford Machining Simulation Software : 06 Users Perpetual

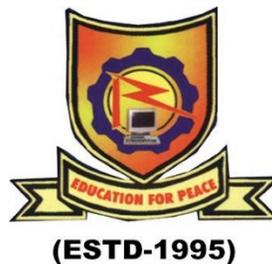
DEPARTMENT OF ECE

LABORATORY EQUIPMENT COST

S.no	Name of the laboratory	Room no	Cost of equipment
1	Simulation Lab-I	RB 2080	80,62,366.04
2	MP&MC Lab	RB 2090A	7,83,448.86
3	MW&OC Lab	RB 2090B	27,13,261.13
4	DLD Lab	RB 2100	9,98,325.55
5	Advanced Electronics Circuits Design Lab	RB 2100	21,81,205.00
6	Analog /Digital Communications Lab	RB 2110	28,77,858.00
7	Simulation Lab-II	RB 3080	25,22,635.69
8	Ideation and Innovation Centre/IOT Lab	RB 3090	45,87,744.56
9	NW/EDC Lab	RB 3100	18,62,455.93
10	BEE Lab	RB 3110	11,01,919.38
11	Simulation Lab-III	PG 1120	23,57,676.73
12	Simulation Lab-IV	PG 1110	19,49,291.00
13	Incubation Center/Project Lab	RB 2180	32,19,754.81
14	HOD Chamber	RB 2200	11,73,258.07
15	Transfer to other Dept. Equipment	-	48,73,190.05
Total Equipment Cost			4,12,64,390.80

**RGM COLLEGE OF ENGINEERING AND TECHNOLOGY
AUTONOMOUS
DEPARTMENT OF ECE**

**SIMULATION LAB - I
LABORATORY EQUIPMENT**



**DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING**
Affiliated to JNTUA-Ananthapuramu, Approved by AICTE-New Delhi
Accredited by NBA-New Delhi, Accredited by NAAC with Grade A+, New Delhi

INDEX

S.No.	PARTICULARS	COST
1	Computers	2,699,396.73
2	Software	3,741,327.6
3	DSP Starter Kit	584,999.10
4	VLSI Trainer Kits	209,000.00
5	Stabilizer	14,560.00
6	DLP	67,500.00
7	Microcontroller Kits	304,000.00
8	Air Condition unit	21,456.49
9	Global Positioning System	73,125.00
10	Mobile Telephony Communication System	90,000.00
11	Finger Print Authentication Tool	90,000.56
12	Image Daughter Card	90,000.56
13	Matrix Base unit	77,000.00
		8,062,366.04

Computers

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	Ragavendra Systems, Secunderabad	Pentium-IV: Intel 845 Chipset Serious, 1.5 GHz Processor, 128 MB RAM, 40 GB HDD, 17" LG Color Monitor, Logitech Mouse, TVS Key Board.	1992	22/07/2002	36,050.00	6	216,300.00	Condemn
2	Ragavendra Systems, Secunderabad	Pentium-IV: Intel 845 Chipset Serious, 1.7 GHz Processor, 128 MB RAM, 40 GB HDD, 17" LG Color Monitor, Logitech Mouse, TVS Key Board.	1993	22/07/2002	36,050.00	11	396,550.00	Condemn
3	Ragavendra Systems, Secunderabad	Pentium-IV: Intel 845 Chipset Serious, 1.7 GHz Processor, 256 MB RAM, 40 GB HDD, 17" LG Color Monitor, Logitech Mouse, TVS Key Board	1994	22/07/2002	37,000.00	13	481,000.00	Condemn
4	Locuz Enterprise Solutions Ltd, Hyderabad	<u>Dell (A0-745 G) OptiPlex 745 N:</u> Intel Q965 Express Chipset Mother Board, Intel Core 2 Duo 1.8 GHz, 1GB DDR2 SD RAM, 80 GB SATA HDD (7600 RPM), Dell key board & mouse, 15" Inches TFT monitor	H/104/2007-08	14/06/2007	32,211.54	16	536,000.03	condemned
5		<u>Dell Optiflex 740 N Mini Tower:</u> Intel G33/G31 Chipset Family, Intel core to duo 2.4 GHz, 1 GB DDR2 RAM, 160 GB HDD, 17" TFT Monitor, Dell Keyboard & Mouse	H/125/2007-08	27/06/2007	27,403.85	2	54,807.70	Scrap available at micro lab
6	CHS Computer Pvt.Ltd, Hyd	Dell Optiplex-3020: Optiplex 3020, Intel Core i5 4th Gen 3.7 Ghz, 4 GB DDR3 RAM, 500 GB SATA HDD, 18.5" LED WFTF Monitor, Dell Keyboard & Mouse,	CHS/Dec/001	04/12/2014	44,185.00	12	556,731.00	02-sys Transfer to Nano Technology lab, 03-Received from IOT Lab
7	NET sys Computers, HYD	Dell Optiplex-3010: Optiplex 3010, Intel Core i7, 2nd Gen 3.7 processor Ghz, 8 GB DDR3 RAM, 500 GB SATA HDD, 18.5" LED Monitor, Dell Keyboard & Mouse,	289	11/07/2019	20,000.00	18	365,220.00	Received from IOT Lab

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
8	CHS Computer Pvt.Ltd, Hyd	Dell Optiplex-3020: Optiplex 3020,Intel Core i5 4th Gen 3.7 Ghz,4 GB DDR3 RAM,500 GB SATA HDD, 18.5" LED WTFT Monitor, Dell Keyboard & Mouse,	CHS/Dec/0 01	04/12/2014	44,185.00	02	92,788.00	Received from IOT Lab
9		Dell Optiplex-790: Optiplex 790,Intel Core i7 2nd Gen 3.4 Ghz,8 GB DDR3 RAM,500 GB SATA HDD, 18.5" LED WTFT Monitor, Dell Keyboard & Mouse,				05		Received from CSE Dept
							2,699,396.73	

Software

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	Cranes Software International Ltd, Bangalore	Simulink	643	30/03/2006	13,900.00	15	211,002.00	
		Communication Tool Box			9,550.00	5	48,323.00	
		Signal Processing Tool Box			9,550.00	5	48,323.00	
		Image Processing Tool Box			9,550.00	5	48,323.00	
		Wavelet Tool Box			9,550.00	5	48,323.00	
		RF Toll Box			19,800.00	1	20,037.60	
		Filter Design Tool Box			9,550.00	5	48,323.00	
		Link for Code Composer Studio			9,550.00	5	48,323.00	
2	Trident Techlabs Pvt. Ltd, New Delhi	Synplify Pro	176/2006/07	03/01/2007	43,000.00	5	236,500.00	
		Ultiboard V9 (Edu)			23,000.00	5	126,500.00	
		VimSim /Comm			52,400.00	5	288,200.00	
3	Entuple Technologies, Pvt.Ltd, Bangalore	Cadence University PG (Analog and Digital FE&BE)	ENT/INV/16-17/190	19/12/2016	1,03,000.00	10	1,086,650.00	Laps
4	Entuple Technologies, Pvt.Ltd, Bangalore	Cadence University (Renewal) (Analog and Digital FE&BE)	ENT/INV/1920/297	13/12/2019	65,000.00	10	682,500.00	Laps
5	Entuple Technologies, Pvt.Ltd, Bangalore	Cadence University (Renewal) (Analog and Digital FE&BE)	ENT/INV/2023/214	2023	40,000.00	20	800,000.00	3 Years
							3,741,327.60	

DSP Starter Kits

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	Cranes Software International Ltd., Bangalore	TMS 320 C6713 DSK Trainer Kit	CV005	27/04/2006	20,000.00	5	110,000.00	
2	Vi-Microsystems, Chennai	TMS 320 C6713 DSP Trainer Kit	P/0040	14/06/2006	16,000.00	10	160,000.00	
3	Cranes Software International Ltd, Bangalore	TMS 320 C6713 DSP Trainer Kit	TI/042	27/06/2007	20,192.25	15	314,999.10	
							584,999.10	

VLSI Trainer Kits

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	Trident Techlabs Pvt.Ltd, New Delhi	VLSI Universal Trainer Kit	176/2006/07	03/01/2007	22,000.00	5	121,000.00	
2	ni logic Pvt.Ltd,Pune	Basic VLSI Kit	059/07-08	26/12/2007	10,000.00	8	88,000.00	
							209,000.00	

Stabilizer

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	Hi-Q, Hyderabad	Stabilizer 10 KVA, Servo controlled Voltage	123/03-04	08/11/2003	14,000.00	1	14,560.00	Condemn

DLP

1	DIG Waves	Digital Light Projector	72	19/12/2005	67,500.00	1	67,500.00	Condemn
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Microcontroller Kits

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	Pantech Solutions Pvt.Ltd, Chennai	8051 Development Board	TAN-INV-0009	04/07/2008	6,400.00	30	192,000.00	
		8051 Advanced Development board			11,200.00	10	112,000.00	
							304,000.00	

Air-condition Unit

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
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1	Voltas Ltd, Secunderabad	Air Conditioner unit 1.5 Tons Split Air Con (M)	8114008	24/06/2006	19,111.00	1	21,456.49	Condemned
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GPS System

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	Falcon Enterprises, Mumbai	Global Positioning Training System	FE/06-07/025	31/05/2006	65,000.00	1	73,125.00	

Mobile Telephony Communication System

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	Falcon Enterprises, Mumbai	Mobile Telephony Communication System	FE/06-07/025	31/05/2006	80,000.00	1	90,000.00	

Finger Print Authentication Tool

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	Cranes Software International Ltd, Bangalore	Finger Print Authentication Tool	TI/042	27/06/2007	86,539.00	1	90,000.56	

Image Daughter Card

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	Cranes Software International Ltd, Bangalore	Image Daughter Card	TI/042	27/06/2007	86,539.00	1	90,000.56	

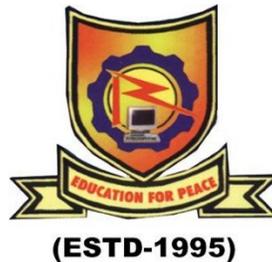
Matrix Base unit

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	ni logic Pvt.Ltd, Pune	Matrix Base unit Multiple Application Tricks	059/07-08	26/12/2007	35,000.00	2	77,000.00	

RGM COLLEGE OF ENGINEERING AND TECHNOLOGY
AUTONOMOUS
DEPARTMENT OF ECE

MICROPROCESSORS
&
MICROCONTROLLERS LAB

LABORATORY EQUIPMENT



DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING
Affiliated to JNTUA-Ananthapuramu, Approved by AICTE-New Delhi
Accredited by NBA-New Delhi, Accredited by NAAC with Grade A+, New Delhi

INDEX

S.No.	PARTICULARS	COST
1	Microprocessors Kits	3,17,628.55
2	Microcontrollers Kits	2,98,699.88
3	Interfacing Boards	1,67,120.43
Total amount		7,83,448.86

Microprocessors Kits

S.No	Supplier	Specification	Bill No	Date	Equipment Serial No.	Quantity	Unit cost	Total Cost	Remarks
1	Hi-Q Electronics	8085 MP Trainer Kits With RPS	429	02/08/1997	69-06-01 to 08	08	4300.00	35,776.00	
2	Wharm Enterprises, HYD	8085 MP Trainer Kits With RPS	46	25/09/1997	171101 to 10	10	4300.00	44,780.00	
3	Vi-Micro Systems, Chennai	8086/88 MP Kit	F/330	07/11/2000	-	05	6787.25	41,072.55	
4	Vi-Micro Systems, Chennai	8086/88 MP Kit	P/0040	14/06/2006	1686, 87, 88, 89, 90, 96, 97, 98, 99, 1700, 01 to 04, 1710 to 15	20	5600.00	112,000.00	
5	Vi-Micro Systems, Chennai	8086/88 MP Kit	233	10/06/2007	2189 to 2199, 2200, 03, 05, 06, 08, 09, 10, 12, 13	15	5600.00	84,000.00	
								317,628.55	

Microcontroller Kits

S.No	Supplier	Specification	Bill No	Date	Equipment Serial No.	Quantity	Unit cost	Total Cost	Remarks
1	Vi-Micro Systems, Chennai	MCS Family MC	F/059	08/01/2002	565, 67, 68, 70, 71 to 80	12	6799.96	81,599.52	
2	Vi-Micro Systems, Chennai	MCS Family MC	F/059	08/01/2002	553, 555, 558	03	4200.12	12,600.36	
3	Vi-Micro Systems, Chennai	MCS Family MC	P/0040	14/06/2006	3635, 36, 37, 38, 40, 41, 42, 43, 44, 60	10	4700.00	47,000.00	
4	Vi-Micro Systems, Chennai	MCS Family MC	0233	23/06/2007	4010, 11, 13, 14, 15, 17, 21, 30, 31, 57, 59, 64, 71	15	4700.00	70,500.00	
5	Vi-Micro Systems, Chennai	89C51 MC Trainers	P/0040	16/06/2006	3576, 77, 78, 79, 80, 81, 3645, 46, 47, 48, 49, 50, 51, 52, 53	15	5800.00	87,000.00	
								298,699.88	

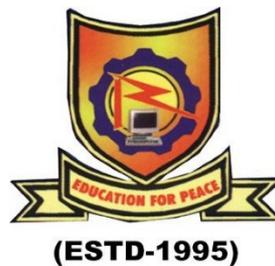
Interfacing Boards

1	Vi-Micro Systems, Chennai	PIC 16F 877	P/004	14/06/2006	258, 259, 260	03	9000.00	27,000.00	
2	Vi-Micro Systems, Chennai	PIC Universal Programmer	P/0040	14/06/2006	BUR06100321, 330	02	19500.00	39,000.00	
3	Wharm Enterprises	8bit successive Approximation ADC Interface board	46	25/09/1997	17501, 502	02	1083.33	2,253.35	
4	Vi-Micro Systems, Chennai	8-bit Source ADC	0233	23/06/2007	-	03	1117.74	3,353.22	
5	Vi-Micro Systems, Chennai	8 Channel Interface Board(ADC)	F/330	01/11/2000	768	01	1500.25	1,500.25	
6	Vi-Micro Systems, Chennai	ADC 8-bit Trainer Board	P/0040	14/06/2006	2044, 2055	02	1500.00	3,000.00	
7	Vi-Micro Systems, Chennai	8 Channel ADC Interface Board	0233	23/06/2007	2271, 2349, 2368	03	1117.74	3,353.22	
8	Vi-Micro Systems, Chennai	8 digit multiplexed Display Card	F-330-2	07/11/2007	427	01	1564.00	1,564.00	
9	Vi-Micro Systems, Chennai	8 digit multiplexed	0233	10/06/2007	891, 893, 895	03	1117.75	3,353.25	
10	Vi-Micro Systems, Chennai	8251 & 8253 Interfacing Board	F-330-2	07/11/2000	658	01	1130.50	1,130.50	
11	Vi-Micro Systems, Chennai	8251 Interface Board	P/0040	14/06/2006	1865, 1876	02	1130.00	2,266.00	
12	Vi-Micro Systems, Chennai	8251 & 8253 Interface Board	0233	10/06/2007	2124, 2179, 2191	03	1117.75	3,353.25	
13	Vi-Micro Systems, Chennai	8255 Interface board	F/330-2	07/11/2000	574	01	1368.50	1,368.50	
14	Vi-Micro Systems, Chennai	8255 Interface board	P/0040	14/06/2000	1529, 1530	02	1368.00	2,736.00	
15	Vi-Micro Systems, Chennai	8255 Interface board	0233	10/06/2007	1715, 16,17	03	1117.75	3,353.25	
16	Vi-Micro Systems, Chennai	8259 Interface board	F/330-2	07/11/2000	319	01	1368.50	1,368.50	
17	Vi-Micro Systems, Chennai	8259 Interface board	P/0040	14/06/2006	1094, 1118	02	1368.00	2,736.00	
18	Vi-Micro Systems, Chennai	8259 Interface board	0233	10/06/2007	1254, 55, 79	03	1117.75	3,353.25	

19	Vi-Micro Systems, Chennai	AD 590 Transducer	F/330-2	07/11/2007	-	01	735.25	735.25	
20	Vi-Micro Systems, Chennai	AD 590 Transducer	0233	10/06/2007	-	03	1117.25	3,353.75	
21	Wharm Enterprises	ADC for DAC Dual Slope ADC	46197	25/09/2007	-	02	1083.33	2,166.66	
22	Vi-Micro Systems, Chennai	ADC & DAC Measurement of Controlled module	0233	10/06/2007	-	03	1117.74	3,353.22	
23	Vi-Micro Systems, Chennai	DMA Interface Board	F/330-2	07/11/2000	-	01	2137.75	2,137.75	
24	Vi-Micro Systems, Chennai	8237 Interface Board	P/0040	14/06/2006	-	02	2400.00	4,800.00	
25	Vi-Micro Systems, Chennai	DMA Interface Board	233	10/06/2007	544, 45, 47	03	1117.74	3,353.22	
26	Vi-Micro Systems, Chennai	Dual DAC with ADC Temperature Measurement & control	F/330	07/11/2000	-	01	1126.25	1,372.45	
27	Vi-Micro Systems, Chennai	Dual DAC with ADC Temperature Measurement & control	233	10/06/2007	-	03	1117.74	3,353.22	
28	Vi-Micro Systems, Chennai	Elevator Simulator Interface	F/0817	26/03/2002	109	01	1400.00	1,400.00	
29	Vi-Micro Systems, Chennai	Elevator Simulator Interface	P/0040	14/06/2006	272, 273	02	800.00	1,600.00	
30	Vi-Micro Systems, Chennai	Elevator Simulator Interface	233	23/06/2007	305, 306, 307	03	1117.74	3,353.22	
31	Wharm Enterprises	EPROM Programmer	4	25/09/1997	171301	02	1083.34	2,166.68	
32	Vi-Micro Systems, Chennai	EPROM Programmer	F/330	07/11/2000	307	01	1253.75	2,507.50	
33	Vi-Micro Systems, Chennai	EPROM Programmer with Multi Output power Supply	0233	23/06/2007	533, 534, 555	03	1117.74	3,353.22	
34	Vi-Micro Systems, Chennai	Key Board/ Display Interface	F/330	07/11/2000	465	01	1615.00	1,615.00	
35		Printer Interface Board						0	
36	Vi-Micro Systems, Chennai	Real Time Clock/Calen- der Board	F/330	07/11/2000	145	01	1564.00	1,902.13	

RGM COLLEGE OF ENGINEERING AND TECHNOLOGY
AUTONOMOUS
DEPARTMENT OF ECE

MICROWAVE & OPTICAL
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DEPARTMENT OF
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Affiliated to JNTUA-Ananthapuramu, Approved by AICTE-New Delhi

Accredited by NBA-New Delhi, Accredited by NAAC with Grade A+, New Delhi

INDEX

S.No.	PARTICULARS	COST
1	Cathode Ray Oscilloscopes	136,680.00
2	Fiber Optic Communication kits	200,696.00
3	Laser Diode Intensity Modulation Trainer Kit	68,560.00
4	V-I Characteristics of LED & Laser Kit	6,136.00
5	Satellite Communicate Training System (2.4 Ghz)	70,000.00
6	Microwave Benches	1,305,688.00
7	Microwave components	748,890.00
8	Advanced Antenna Training System	157,500.00
9	Air condition Unit	19,111.13
	Total amount	2,713,261.13

Cathode Ray Oscilloscopes

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	24/12/2005	Sai Sri Enterprises	20Mhz, Dual Trace, 2 mv Sensitivity	IA-0206-065	110521474, 475, 477, 482, 484, 485, 489, 491, 492, 120521551	10	13668.00	1,36,680.00	

Fiber Optic Communication kit

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	10/08/1998	Future Tech	Fiberoptic training Lab	43		1 Set	78,000.00	78,000.00	Condemned
2	22/08/2005	Sai Sri Enterprises	Optical Fiber Kit	IH-1605-019	1004189	1	15,337.00	15,337.00	Condemned
3	22/08/2005	Sai Sri Enterprises	Optical laser kit	IH-1605-019	0706121	1	15,337.00	15,337.00	Condemned
4	22/08/2005	Sai Sri Enterprises	Optical Fiber Kit	IH-1705-020	1004207	1	15,337.00	15,337.00	Condemned
5	22/08/2005	Sai Sri Enterprises	Optical laser kit	IH_1705-020	0706122	1	15,337.00	15,337.00	Condemned
6	06/02/2006	Sai Sri Enterprises	Optical Fiber Kit	IB-0606-076	1205266, 1205267	2	15,337.00	30,674.00	
7	06/02/2006	Sai Sri Enterprises	Optical Laser kit	IB -0606-076	0106121, 0106122	2	15,337.00	30,674.00	
								200,696.00	

Laser Diode Intensity Modulation Trainer Kit

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	03/03/2015	Future Tech	Laser Diode Intensity Modulation	172		2 set	20,286.00	42,600.60	
2	03/12/2024	Xeltronix, Hyderabad	Laser Diode Intensity Modulation	151		1 Set	27,500.00	25,960.00	

V-I Characteristics of LED & Laser Kit

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
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1	03/12/2024	Xeltronix, Hyderabad	V-I Characteristics of LED & Laser	151		1 Set	6,500.00	6,136.00	
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Satellite Communicate Training System (2.4 Ghz)

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	02/06/2006	Falcon Enterprises	Satellite Communicate Training System (2.4 Ghz)	FE /06- 07/026	-	1	70,000.00	70,000.00	

Microwave Bench

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Veer Microwaves	Microwave Test bench	263		2 Sets	152404.00	144,160.00	Condensed
2	12/10/1999	Abhay Instruments	Microwave Components	13		1 Set	60295.00	60,295.00	
3	07/04/2003	Abhinaya Instruments	Microwave Test bench	315		3 Sets	84,195.00	252,585.00	Condemned
4	17/05/2003	Abhinaya Instruments	VSWR Meter	317		1	10,980.00	10,980.00	Condemned
5	06/02/2006	Sai Sri Enterprises	Microwave Test bench	IB-0606-075		2 Sets	64,000.00	128,000.00	
6	06/02/2006	Sai Sri Enterprises	Microwave Test bench	IB-0606-075		1 Set	85,140.00	85,140.00	
7	06/02/2006	Sai Sri Enterprises	Microwave Test bench	IB-0606-075		1 Set	69,980.00	69,980.00	
8	06/02/2006	Sai Sri Enterprises	Microwave Test bench	IB-0606-075		1 Set	91,000.00	91,000.00	
9	15/12/2014	Vajunthura Microwave Products	Microwave Test bench	212		1 Set	67591.00	67,591.00	
10	15/12/2014	Vajunthura Microwave Products	Microwave Test bench	212		1 Set	76411.00	76,411.00	Condemned
11	15/12/2014	Vajunthura Microwave Products	Microwave Test bench	212		1 Set	68914.00	68,914.00	
12	19-12-2024	Vidyut Yantra Udyog	Microwave Test Bench (Klystron Based)	VYU/24- 25/009		3 Sets	88,500.00	250,632.00	

								1,305,688.00	
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BNC to BNC Cable

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Veer Microwaves	BNC to BNC cable	263		2	169.00	338.00	
2	07/04/2003	Abhinaya Instruments	BNC to BNC cable	315		7	295.00	2,065.00	
3	06/02/2006	Sai Sri Enterprises	BNC to BNC cable	IB-0606-075		5	295.00	1,475.00	
							759.00	3,878.00	

BNC to Open Cable

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Veer Microwaves	BNC to open cable	263		2	226.00	452.00	
2	20/08/1997	Veer Microwaves	BNC pobes	263		2	226.00	452.00	
3	06/02/2006	Sai Sri Enterprises	BNC cable	IB-0606-075		2	226.00	452.00	
								1356.00	

BNC to UHF Cable

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Veer Microwaves	BNC to UHF cable	263		1	169.00	169.00	
2	07/04/2003	Abhinaya instruments	BNC TO UHF cabkespobes	315		1	295.00	295.00	
3	17/05/2003	Abhinaya instruments	BNC to UHF Cable	317		1	295.00	295.00	
								759.00	

Cross Directional coupler

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
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1	07/04/2003	Abhinaya instruments	CD coupler,20db	315	255	1	2130.00	2,130.00	
2	06/02/2006	Sai Sri Enterprises	CD coupler,20db	IB -0606-075					

Coaxial cable N to N

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai sree enter prises	sciencetechs	IB-0606-075		1			

Coaxial W/G Adapter

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai sree enter prises	sciencetechs	IB-0606-075		2			

Cooling fan

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1999	Lamda Micro waves	Abihay instruments	13		2	495	990.00	condemned
2	06/02/2006	Sunflow motors com. ltd	Sai sree enterprises	IB-0606-075		5			
3	06/02/2006	Sunflow motors com. ltd	Sai sree enterprises	IB-0606-075		7			

Detector mount

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	07/04/2003	Abihay instruments	Vidyut yantra	315	1357, 1363, 1365	3	3170	9,510.00	condemned
2	06/02/2006	Sai sree enterprises	Sciencetech	IB-0606-075		5			

Dielectric Antenna

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai sree enterprises	sciencetech	IB-0606-075		1			

E-Plane Tee

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1999	Abihay instruments	Lamda microwaves	13		1	1265	1,265.00	
2	07/04/2003	Abihay instruments	Vidyut yantra	315	410	1	1460	1,460.00	
3	06/02/2006	Sai sree enterprises	Scintech	IB-0606-075		1			

E-H Tuner

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	07/04/2003	Abihay instruments	Vidyut yantra	234		1	2860	2,860.00	
2						2	2254.18	5,508.36	

E-Plane Bend

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1997	Abihay instruments	Lamda Microwaves	13		1	1320	1,320.00	
2	07/04/2003	Abihay instruments	Vidyut yantra	315	660	1	1470	1,470.00	
3	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		1			

E-Plane Sectorial Horn

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1999	Abihay instruments	Lamda Microwaves	13		1	1815	1,815.00	
2	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		1			

Fixed Attenuator

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	07/04/2003	Abihay instruments	Vidyut yanta	315	621,623,565	3	1860	5,580.00	

2	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		3			
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Fixed Short

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		13			

Frequency Meter

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	07/04/2003	Abihay instruments	Vidyut yanta	315	830,831,832	3	8950	26,850.00	Condemned
2	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		5			

Frequency Meter Micrometer Type

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/09/1997	Veer Microwaves	Veer Microwaves	63	320,321	2	3503	7,006.00	Condemned

Gunn Diode

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/09/1997	Veer Microwaves	Veer Microwaves	263		4	575	2,300.00	
2	07/04/2003	Abihay instruments	Vidyut yanta	315		10	950	9,500.00	

Gunn Oscillator

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/09/1997	Veer Microwaves	Veer Microwaves	263	429,430	2	5278	10,556.00	Condemned

Gunn Power Supply

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Veer Microwaves	Veer Microwaves	263	343	1	6989	6,989.00	Condemned

2	20/09/1997	Veer Microwaves	Vidyut yanta	263	622	1	6989	6,989.00	Condemned
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H-Plane tee

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1999	Abihay instruments	Lamda Microwaves	13		1	1265	1,265.00	Condemned
2	07/04/2003	Abihay instruments	Vidyut yanta	315	422	1	1460	1,460.00	Condemned
3	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		1			Condemned

H-Plane Bend

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1999	Abihay instruments	Lamda Microwaves	13		1	1320	1,320.00	Condemned
2	07/04/2003	Abihay instruments	Vidyut yanta	315	621	1	1470	1,460.00	
3	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		1			

H-Plane sectorial Horn

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1999	Abihay instruments	Lamda Microwaves	13		1	1815	1,815.00	
2	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		1			

Isolators

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1999	Abihay instruments	Lamda Microwaves	13		1	4070	4,070.00	Condemned
2	07/04/2003	Abihay instruments	Vidyut yanta	315	1522	1	4580	4,580.00	Condemned
3	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		5			

Klystron Mount with Klystron tube

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Veer Microwaves	Veer Microwaves	263	505,506	2	5356	10,712.00	Condemned
2	12/10/1999	Abihay instruments	Lamda Microwaves	13		2	1895	3,790.00	Condemned
3	07/04/2003	Abihay instruments	Vidyut yanta	315	939,956,957	3	2265	6,795.00	Condemned
4	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		5			

Klystron Power supply

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Veer Microwaves	Vidyut yanta	263	673,684	2	8792	17,584.00	Condemned
2	07/04/2003	Abihay instruments	Vidyut yanta	226	682,684,884	3	9845	29,535.00	Condemned
3	07/04/2003	Abihay instruments	Vidyut yanta	07/04/2003	A1205123, 124, 125, 126, A0106129	5			126,129- Condemned
4	05/10/2010	Vajenthura Microwaves	Vajenthura Microwaves	20		2	14461	28,922.00	Condemned
5	05/10/2010	Vajenthura Microwaves	Vajenthura Microwaves	20		2	14461	28,922.00	

Liquid Dielectric Cell

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		1			

Dielectric Teflon 10mm

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1						2			

Magic Tee (EH tee)

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1999	Abihay instruments	Lamda Microwaves	13		1	1925	1,925.00	Condemned
2	07/04/2003	Abihay instruments	Vidyut yanta	315	893	1	2100	2,100.00	Condemned
3	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075	9	1			

Matched Termination

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Veer Microwaves	Vidyut yanta	263	917, 918, 919, 920	4	2346	9,384.00	Condemned
2	12/10/1999	Abihay instruments	Lamda Microwaves	13		1	1815	1,815.00	
3	07/04/2003	Abihay instruments	Vidyut yanta	315	1173, 1174, 1175	3	2000	6,000.00	
4	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		4			

Reflex Klystron

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1						1			

Microstrip Antenna with cable adapter

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	07/04/2003	Abihay instruments	Vidyut yanta	315	1354	1	6650	6,650.00	

Universal Programmer

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1						1			

Movable Short

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1996	Abihay instruments	Lamda Microwaves	13		1	1,870	1,870.00	Condemned
2	07/04/2003	Abihay instruments	Lamda Microwaves	315	893,894	2	1940	3,880.00	condemned
3	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		3			

Programmable Electronic load

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1		GW-Instek	GW-Instek			1	67320	67,320.00	

Multi Hole Directional coupler (MHD Coupler)

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Veer Microwaves	Vidyut yanta	263	523	2	4038	8,076.00	Condemned
2	07/04/2003	Abihay instruments	Vidyut yanta	315	929	1	5100	5,100.00	
3	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075			2		

RF Signal Generator

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1						1	22050	22,050.00	

Parabolic Dish Antenna

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	07/04/2003	Abihay instruments	Vidyut yanta	188		1	5670	5,670.00	Condemned
2	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		1			

Electrical Safety Tester

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1		GW-Instek	AC /DC/IR GW-Instek			1	39670	39,670.00	

Phase Shifter

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		1			

PIC up Horn

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		1			

Pin Modulator

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	07/04/2003	Abihay instruments	Vidyut yanta	315		1	4780	4,780.00	Condemned

Precision Short

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		1			

Precision Movable Short

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1999	Abihay instruments	Vidyut yanta	13		1	2695	2,695.00	Condemned
2	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		1			

Precision Sliding termination

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1999	Abihay instruments	Vidyut yanta	13		1	2805	2,805.00	

Pyramidal Horn Antenna

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Abihay instruments	Lamda microwave	13		1	1815	1,815.00	
2	06/02/2006	Sai sree Enterprises	Scintech	IB-0606-075		1			

Radiation pattern

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai sri Enterprises	Scientech	IB-0606-075		1			

Reflex Klystron

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1999	Abihay instruments	Lamda microwave	13		2	3025	60,580.00	Condemned
2	07/04/2003	Abihay instruments	Vidyut yanta	315		5	3420	17,100.00	Condemned

Slide Screw Tuner (SS Tuner)

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1999	Abihay instruments	Lamda microwave	13		1	2200	2,200.00	
2	07/04/2003	Abihay instruments	Vidyut yanta	315	631, 632	2	2560	5,120.00	
3	06/02/2006	Sai Sree Enterprises	Scientech	IB-0606-075		4			

Slotted Board Wall

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai Sree Enterprises	Scientech	IB-0606-075		1			

Slotted Narrow Wall

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
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1	06/02/2006	Sai Sree Enterprises	Scientech	IB-0606-075		1			
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Slotted Section

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Veer microwaves	Veer microwaves	263	495, 496	2	5849	11,698.00	condemned
2	07/04/2003	Abihay instruments	Vidyut yanta	315	1004, 1005, 1006	3	6640	19,920.00	
3	06/02/2006	Sai Sree Enterprises	Scientech			4			

Solid Dielectric Cell

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai Sree Enterprises	Scientech	IB-0606-075		1			

Standard Gain horn

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	07/04/2003	Abihay instruments	Vidyut yanta	315	1167	1	2280	2,280.00	
2	06/02/2006	Sai Sree Enterprises	Scientech	IB-0606-075		1			

Circulator (T-Circulator, circulator with termination, three port circulator)

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Veer microwaves	Veer microwaves	263	723, 724	2	4378	8,756.00	condemned
2	07/04/2003	Abihay instruments	Vidyut yanta	315		1	3780	3,780.00	
3	06/02/2006	Sai Sree Enterprises	Scientech	IB-0606-075		1			

Tripod Stand

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	07/04/2003	Abihay instruments	Vidyut yanta	315	80	1	3200	3,200.00	condemned

Tunable probe

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Veer microwaves	Veer microwaves	263	495	1	2459	2,459.00	Condemned
2	12/10/1999	Abihay instruments	Lamda microwave	13		1	1850	1,850.00	condemned
3	07/04/2003	Abihay instruments	Vidyut yanta	315	978, 1334, 1005	3	2360	7,080.00	
4	06/02/2006	Sai Sree Enterprises	Scientech	IB-0606-075		5			

Turn Table

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai Sree Enterprises	Scientech	IB-0606-075		1			

Turn Table for Horn Antenna

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	07/04/2003	Abihay instruments	Vidyut yanta	315	148	1	14500	14,500.00	condemned

Variable attenuator

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Veer microwaves	Veer microwaves	263	556,557	2	3509	7,018.00	Condemned
2	12/10/1999	Abihay instruments	Lamda microwave	13		2	2500	50,000.00	condemned
3	07/04/2003	Abihay instruments	Vidyut yanta	315	1198, 99, 00	3	4000	12,000.00	
4	06/02/2006	Sai Sree Enterprises	Scientech	IB-0606-075		6			

V.S.W.R Meter

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Veer microwaves	Veer microwaves	263	332,333	2	11315	22,630.00	Condemned

2	07/04/2003	Abihay instruments	Vidyut yanta	315	867,868	2	10980	21,960.00	Condemned
3	17/05/2003	Abihay instruments	Vidyut yanta	317	866	1	10980	10,980.00	
4	06/02/2006	Sai Sree Enterprises	Sciencetech	IB-0606-075	A 12051175, 176, 177, 178, 179	5			

Wave Guide Bend

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai Sree Enterprises	Sciencetech	IB-0606-075		1			

Stands

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	20/08/1997	Veer microwaves	Veer microwaves	263	2539, 2540, 41, 42, 43, 44, 45, 46	8	419	3,352.00	
2	12/10/1999	Abihay instruments	Lamda microwave	13		4	415	1,660.00	
3	07/04/2003	Abihay instruments	Vidyut yanta	315	4516, 17, 18, 19, 20, 21, 22, 23	8	450	3,600.00	
4	06/02/2006	Sai Sree Enterprises	Sciencetech	IB-0606-075		20			

Wave Guide Twist

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1999	Abihay instruments	Lamda microwave	13		1	2100	2,100.00	condemned
2	07/04/2003	Abihay instruments	Vidyut yanta	315	409	1	2110	2,110.00	
3	06/02/2006	Sai Sree Enterprises	Sciencetech	IB-0606-075		1			

Wave Guide Sections (Rectangular) Hanges

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
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1	12/10/1999	Abihay instruments	Lamda microwave	13		2	1210	2,420.00	
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Y. Circulator

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai Sree Enterprises	Scientech	IB-0606-075		1			

T. Circulator

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai Sree Enterprises	Scientech	IB-0606-075		2	4061.50	8,123.96	

Smith Charts

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/10/1999	Abihay instruments	Lamda microwave	13		2	195	390.00	

Wave Guide Cavity

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	06/02/2006	Sai Sree Enterprises	Scientech	IB-0606-075		1			

Advanced Antenna Training System

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1						1	157500	1,57,500.00	condemned

Distortion Factor meter

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1	12/03/2001	HIQ Electronics	Scientific	429	1100236	1	10580	10,580.00	

Air condition Unit

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
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1	24/06/2006	Voltas ltd	1.50T, vertis HW, RAT Split Voltas ltd	8114008		1	19111.13	19,111.13	
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Crystal Diode

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1						6	624	3,744.00	

PIN Diode

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Equipment Serial No.	Quantity	Unit Cost	Total cost with tax	Remarks
1						1	1040	1,040.00	

RGM COLLEGE OF ENGINEERING AND TECHNOLOGY
AUTONOMOUS
DEPARTMENT OF ECE

DLD LABORATORY

LABORATORY EQUIPMENT



DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING
Affiliated to JNTUA-Ananthapuramu, Approved by AICTE-New Delhi
Accredited by NBA-New Delhi, Accredited by NAAC with Grade A+, New Delhi

INDEX

S.No.	Particulars	Cost
1	Function Generators	236,847.00
2	Cathode Ray oscilloscope	273,500.00
3	Regulated power supply	100,629.00
4	DC Ammeters	144,529.21
5	DC Voltmeters	41,922.43
6	AC Ammeters	10,072.26
7	AC Voltmeters	1,026.29
8	Component development system	27,518.00
9	Decade Resistance Box	11,951.00
10	Decade Capacitance Box	26,137.00
11	Decade inductance box	28,805.00
12	LCR Q Meter	13,892.00
13	Digital Multimeter	40,797.36
14	Analog IC Applications Trainer kit	12,916.00
15	Pulse and Digital circuits Trainer kits	12,346.00
16	Electronics circuits trainer kit	15,437.00
		998,325.55

DLD LAB (RB 2100)

Function Generator

S.No	Date	Supplier	Specifications	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost with tax	Remarks
1	10/10/1996	Pacific Electronics Pvt. Ltd., Secunderabad	1 Hz to 1 MHz, 0-20 Vp-p	268	96181333, 334	2	3,350.00	7,638.00	Condemned
2	11/07/1997	Systronics, Hyderabad	1 Hz to 1 MHz, Digital Readout	980757	1408, 1409	2	5,870.00	12,942.31	Condemned
3	22/08/1997	Hi-Q Electronics Hyderabad	1 Hz to 1 MHz	59	209949	1	12,200.00	12,200.00	Condemned
4	18/01/2001	Systronics, Hyderabad	1 Hz to 1 MHz, Digital Readout	12287	2526, 2571, 2602, 2610	4	7,400.00	31,861.66	2526, 2610- condemned
5	08/07/2003	Future Tech Instruments (P) Ltd., Secunderabad	1 Hz to 1 MHz	T-181	05032246, 247, 248, 249, 250, 251, 252, 253, 254, 265	10	6,760.00	67,600.00	All are condemned
6	31/12/2006	Systronics, Hyderabad	1 Hz to 1 MHz	671360	4041, 4042, 4044, 4049	4	6168	29,846.40	4041 - condemned
7	30/03/2015	Systronics, Hyderabad	2 MHz, Digital Read out	1515410047	FB001, 002, 003, 004, 005, 006, 007, 008, 009010	10	8,900.00	74,760.00	001,003,007,009 - condemned

Cathode Ray Oscilloscope

S.No	Date	Supplier	Specifications	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost with tax	Remarks
1	12/10/1996	Pacific Electronics Pvt. Ltd., Secunderabad	20 Mhz, Dual Trace, 2 mv sensitivity	273	96101015	1	16,800.00	18,345.60	condemned
2	06/02/1997	Hi-Q Electronics, Hyderabad	20 Mhz, Dual Trace, 1 mv sensitivity	319	5128488	1	17,000.00	17,680.00	
3	22/08/1997	Hi-Q Electronics, Hyderabad	20 Mhz, Dual Trace, 2 mv sensitivity	59	70400409, 70400418	2	14,500.00	29,000.00	condemned
4	27/01/2001	Hi-Q Electronics, Hyderabad	30 MHz, Dual Trace, 5 mv sensitivity	429	730395, 365, 366, 396	4	19,125.00	79,560.00	All are condemned
5	28/06/2003	Future Tech Instruments (P) Ltd., Secunderabad	30 MHz, Dual Trace, 1 mv sensitivity	T-131	03061314	1	19,136.00	19,136.00	
6	28/06/2003	Future Tech Instruments (P) Ltd., Secunderabad	20 MHz, Dual Trace, 1 mv sensitivity ,	T-131	0318377, 378	2	18626	37252	
7	05/07/2003	Future Tech Instruments (P) Ltd., Secunderabad	20 Mhz, Dual Trace,	T-160	060315883, 884	2	16,744.00	33,488.00	
8	08/07/2003	Future Tech Instruments (P) Ltd., Secunderabad	20 Mhz, Dual Trace,	T-181	318409	1	18628	18628	
9	28/11/2006	Systronics, Hyderabad	20 Mhz, Dual Trace, Long Persistence	671316	1004,1005	2	15,485.00	32,208.80	1004-condemned
10	28/06/2007	Himalaya Electronics and	20 Mhz, Dual Trace, EH	8	EH830175, EH830241,		15,500.00	108,500.00	

		Systems, Hyd			245, 251, 306, 343, 361	7			
11	14/07/2007	Himalaya Electronics and Systems ,Hyd	20 Mhz, Dual Trace, EH	19	EH850780, 794, 805, 993, 999, EH851002, 009, EH851010, 015, 019	10	16500	165000	EH851019- Condemned

Regulated Power Supply

S.No	Date	Supplier	Specifications	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost with tax	Remarks
1	02/08/1997	Hi-Q Electronics, Hyderabad	0 - 30 V, 1 Amp, Duel Channel	429	-	2	3,600.00	7,488.00	Condemned
2	02/08/1997	Hi-Q Electronics	0 - 30 V, 2 Amp, Single Channel	429	-	2	3,060.00	6,364.80	Condemned
3	02/08/1997	Hi-Q Electronics	<u>0-30</u> V, 2 Amp, Single Channel	430	-	1	2,400.00	2,496.00	
4	27/01/2001	ITL 0-30v	0-30v,2Amp,Dual channel, TSD 30-2	429	0012102, 09, 114, 120, 1470	5	3,960.00	20,592.00	
5	04/11/2003	ITL 0-30v	0-30v,2Amp,Dual channel, TSD 30-2	123/03-04	0311006, 007, 008, 009, 010	5	4,600.00	23,920.00	
6	21/11/2006	ITL 0-30v	0-30v,2Amp,Dual channel, TSD 30-2	ITL- 148/06-07	0611032, 37, 38, 39	4	5,400.00	22,464.00	
7	27/06/2007	Pacific Electronics Pvt.Ltd, Sec	0 - 30 V, 2 Amp, Dual Channel	24	493206, 493406, 493506, 493606, 493706	5	3,328.00	17,305.60	493506 is condemned

DC Ammeters

S.No	Date	Supplier	Specifications	Bill No	Quantity	Unit cost	Total Cost with tax	Remarks
1	02/08/1998	Hi-Q Electronics	0-1 ma, Mecho intruments	430	3	550.00	1,716.00	Condemned
2	02/08/1998	Hi-Q Electronics	0-10 ma, Mecho intruments	430	2	550.00	1,144.00	Condemned
3	02/08/1998	Hi-Q Electronics	0-50 ma, Mecho intruments	430	5	550.00	2,860.00	Condemned
4	02/08/1998	Hi-Q Electronics	0-100 ma, Mecho intruments	430	5	550.00	2,860.00	Condemned
5	02/08/1998	Hi-Q Electronics	0-500 ma, Mecho intruments	430	4	550.00	2,288.00	Condemned
6	02/08/1998	Hi-Q Electronics	0-100 μ a, Mecho intruments	430	3	515.00	1,940.00	Condemned
7	02/08/1997	Hi-Q Electronics	0-500 μ a, Mecho intruments	430	2	575.00	1,196.00	Condemned
8	30/10/1999	Mecho	0-10 ma, Mecho intruments	2129	5	5337.50	2,151.82	Condemned
9	30/10/1999	Mecho	0-25 ma, Mecho intruments	2130	5	337.50	2,166.50	Condemned
10	30/10/1999	Mecho	0-50 ma, Mecho intruments	2130	4	337.50	1,739.85	Condemned
11	30/10/1999	Mecho	0-5 ma, Mecho intruments	2130	5	337050	2,166.59	Condemned
12	14/02/2001	Mecho	0-1ma, Mecho Instruments	3336	7	342.00	3,059.14	Condemned
13	14/02/2001	Mecho	0-10ma, Mecho Instruments	3336	7	342.00	3,059.14	Condemned
14	14/02/2001	Mecho	0-50ma, Mecho Instruments	3336	5	342.00	2,285.85	Condemned
15	14/02/2001	Mecho	0-100ma, Mecho Instruments	3337	5	342.00	2,168.60	Condemned
16	14/02/2001	Mecho	0-500ma, Mecho Instruments	3337	2	342.00	941.44	Condemned
17	28/06/2003	Mecho	0-250 μ a, Mecho Instruments	T-131	2	382.50	1,035.40	Condemned
18	28/06/2003	Mecho	0-500 μ a, Mecho Instruments	T-131	3	374.00	1,122.00	Condemned
19	28/06/2003	Oxford	0-500 μ a, Feture Tech	T-131	3	374.00	1122.00	Condemned
20	28/06/2003	Oxford	0-50ma, Feture Tech	T-131	3	374.00	1,122.00	Condemned
21	28/06/2003	Oxford	0-100 μ a, Feture Tech	T-131	3	374.00	1,122.00	Condemned
22	19/08/2003	Oxford	0-25ma, Feture Tech	T-412	3	360.00	1,123.20	Condemned
23	09/03/2007	Mecho	0-500ma, Mecho Instruments	GE/06-07- /1333	3	912.00	3,595.39	Condemned
24	09/03/2007	Mecho	0-500 μ a, Mecho Instruments	GE/06-07- /1333	5	912.00	5,984.83	
25	09/03/2007	Mecho	0-25ma, Mecho Instruments	GE/06-07- /1333	7	828.00	7,603.24	
26	09/03/2007	Mecho	0-50ma, Mecho Instruments	GE/06-07- /1333	7	828.00	7,603.24	Condemned
27	09/03/2007	Mecho	0-50ma, Mecho Instruments	GE/06-07- /1333	2	760.00	2,000.18	Condemned
28	05/12/2014	Mecho	0-10ma, Mecho Instruments	GE/14- 15/637	20	8288.00	17,388.00	
29	05/12/2014	Mecho	0-25ma, Mecho Instruments	GE/14-	12	828.00	10,432.80	Condemned

				15/637				
30	05/12/2014	Mecho	0-50ma, Mecho Instruments	GE/14-15/637	12	828.00	10,432.00	Condemned
31	05/12/2014	Mecho	0-100ma, Mecho Instruments	GE/14-15/637	12	828.00	10,432.00	
32	05/12/2014	Mecho	0-100µa, Mecho Instruments	GE/14-15/637	10	912.00	9,576.00	
33	05/12/2014	Mecho	0-250µa, Mecho Instruments	GE/14-15/637	10	912.00	9,516.00	
34	05/12/2014	Mecho	0-500µa, Mecho Instruments	GE/14-15/637	10	912.00	9,576.00	
							144,529.21	

DC Voltmeter

S.No	Date	Supplier	Specifications	Bill No	Quantity	Unit cost	Total Cost with tax	Remarks
1	02/08/1997	HI-Q	0-1V, Mecho Instruments	430	3	455.00	1,419.60	Condemned
2	02/08/1997	HI-Q	0-10V, Mecho Instruments	430	4	455.00	1,892.81	Condemned
3	02/08/1997	HI-Q	0-25V, Mecho Instruments	430	3	455.00	1,419.60	Condemned
4	02/08/1997	HI-Q	0-50V, Mecho Instruments	430	3	455.00	1,419.60	Condemned
5	02/08/1997	HI-Q	0-100V, Mecho Instruments	430	3	455.00	1,419.60	Condemned
6	30/10/1999	Mecho	0-1V, Mecho, Instruments	2129	2	337.50	889.20	Condemned
7	30/10/1999	Mecho	0-10V, Mecho, Instruments	2129	5	337.50	2,157.75	
8	30/10/1999	Mecho	0-30V, Mecho, Instruments	2129	5	337.50	2,157.75	
9	14/02/2001	Mecho	0-1V, Mecho, Instruments	3335	2	342.00	1,027.00	Condemned
10	14/02/2001	Mecho	0-2V, Mecho, Instruments	3335	5	342.00	2,275.00	Condemned
11	14/02/2001	Mecho	0-10V, Mecho, Instruments	3335	7	342.00	3,049.51	Condemned
12	14/02/2001	Mecho	0-30V, Mecho, Instruments	3335	12	342.00	5,040.96	Condemned
13	14/02/2001	Mecho	0-50V, Mecho, Instruments	3335	2	342.00	1,035.24	Condemned
14	19/08/2003	Mecho	0-30V, Mecho, Instruments	T-412	2	360.00	748.80	
15	09/03/2007	Goliya electricals Pvt	0-30V, Mecho, Instruments	GE/06-07/1333	2	828.00	2,178.34	
16	09/03/2007	Goliya electricals Pvt	0-5V, Mecho, Instruments	GE/06-07/1333	2	828.00	2,178.34	Condemned
17	09/03/2007	Goliya electricals Pvt	0-25V, Mecho, Instruments	GE/06-07/1333	5	828.00	5,434.63	
18	09/03/2007	Goliya electricals Pvt	0-50V, Mecho, Instruments	GE/06-07/1333	2	828.00	2,178.34	
19	09/03/2007	Goliya electricals	0-25V, Mecho, Instruments	GE/06-	2	760.00	2,000.18	Condemned

		Pvt		07/1333				
20	09/03/2007	Goliya electricals Pvt	0-50V, Mecho, Instruments	GE/06-07/1333	2	760.00	2,000.18	Condemned
							41,922.43	

AC Ammeters:

S.No	Date	Supplier	Specifications	Bill No	Quantity	Unit cost	Total Cost with tax	Remarks
1	02/08/1997	HI-Q Electronics	0-5 ma, Mecho Instruments	430	3	625.00	1,950.00	Condemned
2	02/08/1997	HI-Q Electronics	0-10ma, Mecho Instruments	430	3	625.00	1,950.00	Condemned
3	02/08/1997	HI-Q Electronics	0-100ma, Mecho Instruments	430	2	625.00	1,300.00	Condemned
4	14/02/2001	Mecho Instruments	0-10ma, Mecho Instruments	3338	5	432.00	2,686.69	Condemned
5	14/02/2001	Mecho Instruments	0-100ma, Mecho Instruments	3338	4	432.00	2,185.57	Condemned
							10,072.26	

AC Voltmeter

S.No	Date	Supplier	Specifications	Bill No	Quantity	Unit cost	Total Cost with tax	Remarks
1	14/02/2001	Mecho Instruments	0-100ma, Mecho Instruments	3338	2	360.00	1016.29	Condemned

Component Development System:

S.No	Date	Supplier	Specifications	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost with tax	Remarks
1	12/10/1996	Pacific Electronics pvt, secunderabad	Analog & Digital Trainer	273	9620591 9620610 9620630	3	8,400.00	27,518.4	9620610, 9620630 Condemned

Decade Resistance box

S.No	Date	Supplier	Specifications	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost with tax	Remarks
1	12/10/1996	Pa ccific Electronics Secunderarabad	5 Decades, 1Ω to 1MΩ ,Per-45 Pacific Electronics Secunderarabad	273	9645674	1	1,100.00	1,201.20	Condemned
2	02/02/2007	Aquila Technologies Hyderabad	6 Decades, Aer-35, Aquila Technologies Hyderabad	24	35107, 108, 109, 110, 111,	10	1,075.00	10,750.00	Condemned

					112, 35128, 130, 132, 133				
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Decade Capacitance box:

S.No	Date	Supplier	Specifications	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost with tax	Remarks
1	12/10/1996	Pacific Electronics Secunderabad	4 Decades,100pf to 1000pf,Mec Pacific Electronics -100	273	967871 967872 873	3	1,525.00	4,995.90	Condemned
2	27/01/2001	Hi-q , electronics, Hyd	5 Decades,100 Pf to 10µf, Model.405, Hi-q , electronics, Hyd	429		3	1,84.00-	4,942.08	Condemned
3	02/02/2007	Himalaya electronics	6 Decades,10pf to 10µf	24		9	1800.00	16,200.00	Condemned

Decade Inductance box:

S.No	Date	Supplier	Specifications	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost with tax	Remarks
1	05/07/1997	Pacific Electronics Secunderabad	5Decades,0 µf to 1000 MH , Pacific Electronics -	008/97/98	9730597,598 9730604	3	2350	6965.40	Condemned
2	05/07/1997	Pacific Electronics Secunderabad	6 Decades,0 µf to 10 H , Pacific Electronics -	008/97/98	9760379 380 382 383	4	3000	11856.00	Condemned
3	27/01/2001	Hi-q , electronics, Hyd	5 Decades1,0 µH to 1 H, Pacific Electronics	429		5	1920	9984	Condemned

LCR -Q Meter

S.No	Date	Supplier	Specifications	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost with tax	Remarks
1	27/01/2001	Hi-q , electronics, Hyd	0Ω to MΩ, pf to µf ,µH to H	429	101474	1	13358	13892.32	

DIGITAL MULTIMETER

S.No	Date	Supplier	Specifications	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost with tax	Remarks
1	31/01/2007	Himalaya electronics	Transistor ,Frequency, Capacitance, hfe measurement, continuity test	23	632081, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95	15	1325	19,875,00	81, 82, 83, 86, 87, 89, 90, 92, 93 - condemned
2	28/06/2007	Himalaya electronics	Transistor, Frequency, Capacitance, hfe measurement, continuity test cie 122, GW Instek	9	702675, 76, 77, 78, 79, 702695, 96, 97, 98, 99	10	1325	13,250.00	78, 96, 97, 98, 99 - Condmned
3	23-03-2024	Meco Instruments	Transistor, Frequency, Capacitance, hfe measurement, continuity test cie 122	GI/23-24/1982	41132,41144, 41149,41160, 41161	5	1300.40	7,672.36	
								40,797.36	

Analog IC Application Trainer kits

S.No	Date	Supplier	Specifications	Bill No	Quantity	Unit cost	Total Cost with tax	Remarks
1	05/02/2007	Physitech Electronics	DSD KIT	286	1	3510	3650.40	
2	05/02/2007	Physitech Electronics	Digital lab trainer kit	286	1	3510	3650.40	
3	05/02/2007	Physitech Electronics	Universal Digital trainer kit	286	1	5400	5616.00	

PULSE AND DIGITAL CIRCUITS TRAINER KITS

S.No	Date	Supplier	Specifications	Bill No	Quantity	Unit cost	Total Cost with tax	Remarks
1	20/02/2007	Physitech Electronics	Clippind and clamping kits,phy-37	307	1	945	982.80	
2	20/02/2007	Physitech Electronics	Transistoras a switch kit,phy-76	307	1	945	982.80	
3	20/02/2007	Physitech	Logic gares verification kit phy-	307	1	1215	1263.60	

		Electronics	41					
4	20/02/2007	Physitech Electronics	Basic gates using discrete component kit phy-127	307	1	945	982.80	
5	20/02/2007	Physitech Electronics	Study of flip flop kitsphy-42	307	1	1215	1263.60	
6	20/02/2007	Physitech Electronics	Study of sampling gates kit phy-79	307	1	945	982.80	
7	20/02/2007	Physitech Electronics	Astbale multivibrator using transistor phy-115	307	1	945	982.80	
8	20/02/2007	Physitech Electronics	Monostable multivibrator using transistor phy-108	307	1	945	982.80	
9	20/02/2007	Physitech Electronics	Bi-stable multivibrator using transistor phy-109	307	1	945	982.80	
10	20/02/2007	Physitech Electronics	Schmitt-trigger kit Phy-76	307	1	945	982.80	
11	20/02/2007	Physitech Electronics	UJT relaxation oscillation kit, Phy-29	307	1	945	982.80	
12	20/02/2007	Physitech Electronics	Bootstrap sweep circuit kit, Phy-110	307	1	945	982.80	

Electronic Circuits Trainer Kits:

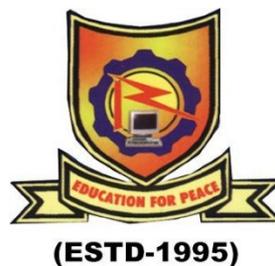
S.No	Date	Supplier	Specifications	Bill No	Quantity	Unit cost	Total Cost with tax	Remarks
1	20/02/2007	Physitech Electronics	Optical Amplifier Kit, Phy-170	308	1	1.15.00	1,263.60	
2	20/02/2007	Physitech Electronics	Logarithmic Amplifier Kit - Phy-187	308	2	1620.00	3369.60	
3	20/02/2007	Physitech Electronics	Anti-Logarithmic Kit, Phy-188	308	2	1620.00	3369.60	
4	20/02/2007	Physitech Electronics	Voltage To Current Converter Kit, PHY-162	308	1	1215.00	1263.00	
5	20/02/2007	Physitech Electronics	Current To Voltage Converter Kit, Phy-163	308	1	1215.00	1263060	
6	20/02/2007	Physitech Electronics	Active Low pass Filter Kit Phy-134	308	1	945.00	982.80	
7	20/02/2007	Physitech Electronics	Active High Pass Filter Phy-135	308	1	945.00	982.80	
8	20/02/2007	Physitech Electronics	Active Band Pass Filter Kit Phy-136	308	1	945.00	982.80	

9	20/02/2007	Physitech Electronics	Active Band Reject Filter kit Phy-182	308	1	945.00	982.80	
10	20/02/2007	Physitech Electronics	Active Notch Filter Phy-181	308	1	945.00	982.80	

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DEPARTMENT OF ECE

ADVANCED ELECTRONICS CIRCUITS
DESIGN LAB

LABORATORY EQUIPMENT



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S.No.	Particulars	Cost
1	VFR ECE Work bench Setup	1,663,800.00
2	Decade Resistance Box	55,224.00
3	Decade Resistance Box	55,224.00
4	Decade Resistance Box	55,224.00
5	Digital Multimeters	15,733.00
6	Computers	336,000.00
Total Cost		2,181,205.00

Advanced Electronics Circuits Design Lab (RB 2100)

Work Bench

S.No	Supplier	Specifications	Bill No & Date	Equipment Serial No.	Quantity	Unit cost	Total Cost with tax	Remarks
1	Virtual Frontier Robotics Pvt. Ltd., Coimbatore	VFR ECE Work bench Setup Including i) 100 MHz DSO, ii) 30 MHz Function Generator, iii) Dual Channel Power Supply	VFR/24225/ RPT/028, 10-02-2025	ECE-01, ECE-02, ECE-03, ECE-04, ECE-05, ECE-06, ECE-07, ECE-08, ECE-09, ECE-10, ECE-11, ECE-12	12	1,15,000/-	16,63,800.00	

Decade Resistance Box

S.No	Supplier	Specifications	Bill No & Date	Equipment Serial No.	Quantity	Unit cost	Total Cost with tax	Remarks
1	SR Electronics, Hyderabad	<u>Decade Resistance Box</u> 6 dial, 1 Ohm to 1 MΩ	001	096 to 108, 18-03-2024	12	3,900.00	55,224.00	Received 3100

Decade Capacitance Box

S.No	Supplier	Specifications	Bill No & Date	Equipment Serial No.	Quantity	Unit cost	Total Cost with tax	Remarks
1	SR Electronics, Hyderabad	<u>Decade Capacitance Box</u> 6 Decades, 10 Pf to 10 μf	001	086 to 089 , 18-03-2024	6	3,900.00	27,612.00	Received 3100
2	SR Electronics, Hyderabad	<u>Decade Capacitance Box</u> 6 Decades, 10 Pf to 10 μf	001	074 to 079, 18-03-2024	6	3,900.00	27,612.00	Received 3110

Decade Inductance Box

S.No	Supplier	Specifications	Bill No & Date	Equipment Serial No.	Quantity	Unit cost	Total Cost with tax	Remarks
1	SR Electronics, Hyderabad	<u>Decade Inductance Box</u> 6 Decades, 10 μH to 10 H	001	047 to 052, 18-03-2024	6	3,900.00	27,612.00	Received 3100

2	SR Electronics, Hyderabad	<u>Decade Inductance Box</u> 6 Decades, 10 µH to 10 H	001	057 to 062	6	3,9000.00	27,612.00	Received 3110
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Digital Multimeters

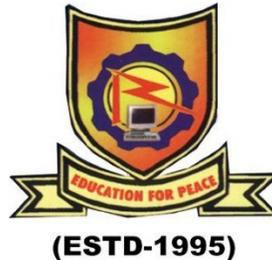
S.No	Supplier	Specifications	Bill No & Date	Equipment Serial No.	Quantity	Unit cost	Total Cost with tax	Remarks
1	Goliya Instruments Pvt., Ltd, Mumbai	Digital Multimeters Model: Meco-G-R-603A	GI/23-24/1982, 23-03-2024	41132, 41144, 41149, 41160, 41161, 41166, 41171, 41174, 41175, 41176.	10	1,300.50	15,733.00	

Computers

S.No	Supplier	Specifications	Bill No & Date	Equipment Serial No.	Quantity	Unit cost	Total Cost with tax	Remarks
1	Rezvi Computers, HYD	Dell OptiPlex Desktop, Intel Core i7, 4th Gen Processor, 8 GB RAM, 500 GB HDD, 19" Dell LED Monitor, Dell Key board and Mouse	1114 4605 8189 & RCS-020/22-23, 06/09/2022	Nil	12	23,728.81	3,36,000.00	

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INDEX

S.No.	Particulars	Cost
1	Cathode Ray Oscilloscope	390,554.00
2	Digital Storage Oscilloscope	200,038.00
3	Function Generator	152,800.00
4	Pulse GENERATOR	80,194.00
5	Arbitrary function generator	420,000.00
6	Regulated Power Supplies	173,401.00
7	Analog Communication Trainer Kits	274,384.00
8	Decade Resistance Box	13,044.00
9	Decade Capacitance Box	14,844.00
10	Decade Inductance Box	15,744.00
11	Digital Multimeters	13,250.00
12	IC Testers	55,441.00
13	Internet Tower & Accessories	418,900.00
14	Analog Electronics CD	4,080.00
15	Analog IC Application Trainer Kit	4,386.00
16	Audio Generator	11,430.00
17	Digital communication Trainer Kit	97,662.00
18	Digital Electronic CD	5,000.00
19	Photo Phone Overhead projector	10,100.00
20	Programmable Function Generator	44,010.00
21	Programmable DC Power Supply	16,200.00
22	Synthesized Function Generator	21,870.00
23	Tower Equipment	368,926.00
24	Wireless Equipment	71,600.00
Total cost		28,77,858.00

Cathode Ray Oscilloscopes

S.No	Date	Supplier	Specification	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost	Remarks
1	21/12/2005	Sai Sri Enterprises	25 Mhz, Dual Trace, 5 mv sensitivity	1A-0206-065	11051993, 11051994, 11051995, 11051961, 1051997	5	15780.00	78900.00	
2	21/12/2005	Sai Sri Enterprises	20 Mhz, Dual Trace, 2 mv sensitivity	1A-0206-065	110521508, 110521509	2	16630.00	33260.00	condemned
3	21/12/2005	Sai Sri Enterprises	20 Mhz, Dual Trace, 2 mv sensitivity	1A-0206-065	110521483, 110521500	2	16530.00	33060.00	condemned
4	21/12/2005	Sai Sri Enterprises	20 Mhz, Dual Trace, 2 mv sensitivity	1A-0206-065	110521431, 110521432	2	16530.00	33060.00	
5	21/12/2005	Sai Sri Enterprises	20 Mhz, Dual Trace, 2 mv sensitivity	1A-0206-065	09521270, 120521589	2	15852.00	31704.00	
6	21/12/2005	Sai Sri Enterprises	20 Mhz, Dual Trace, 2 mv sensitivity	1A-0206-065	090521324, 090521325	2	15600.00	31200.00	
7	28/06/2007	Himalaya Electrtonics	20 Mhz, Dual Trace, 2 mv sensitivity	09	EH820743, EH820808	2	35685.00	71370.00	
8	02/01/2006	Himalaya Electrtonics	20 Mhz, Dual Trace, 2 mv sensitivity	-	110521485, 110521489, 110521491, 110521492, 120521551,	5	15600.00	78000.00	

Function Generators

S.No	Date	Supplier	Specification	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost	Remarks
1	27/12/2005	Sai Sri Enterprises	Function Generator 0.1Hz to 1MHz	1A-0206-066	11054696, 11054697, 11054698, 11054700, 11054701, 11054702, 11054703, 11054704, 11054705, 11054612, 11054706,	11	5800.00	63800.00	All condemned
2	30/03/2015	Systronics, Hyd	Function Generator 2 MHz, Digital Read out	1515410047	FB011, FB012, FB013, FB014, FB015, FB016, FB017, FB018, FB019, FB020,	10	8900.00	89000.00	FB011,FB012 are condemned

Pulse Generators

S.No	Date	Supplier	Specification	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost	Remarks
1	21/12/2005	Sai Sri Enterprises	2MHz, AM/FM Function Pulse Generator, sine, square, triangle, ramp	1A-0206-066	1105960, 1105961, 1205962, 1205963, 0405835,	5	8500.00	42500.00	All condemned

2	21/12/2005	Sai Sri Enterprises	10MHz, AM/FM Function Pulse Generator, sine, square, triangle, ramp	1A-0206-066	1005513, 1005514,	2	10010.00	20020.00	
3	21/12/2005	-	-	-	0705434, 0705435,	2	8837.00	17674.00	0705435 condemned

Arbitrary Function Generator

S.No	Date	Supplier	Specification	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost	Remarks
1	25/05/2006	Peridot Technologies	100MHz, 2 channel with standard accessories	PT-122/06-07	C011144, C011153	2	210000.00	420000.00	

Regulated Power Supplies

S.No	Date	Supplier	Specification	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost	Remarks
1	02/01/2006	Sai Sri Enterprises	0-30V, 2AMP, Dual channel	1A-0206-070	0705284, 0705289, 0705295, 1005298, 1005299, 1205331, 1205332, 1205333, 1205334, 1205335	10	6012.00	60120.00	0705284, 0705289 and 1205333 are condemned
2	02/01/2006	Sai Sri Enterprises	2*0-30V, 500mA, 1*5V, 1AMP Three Independen-t Power Supplies	1A-0206-070	1005693, 1005694, 1005695, 1005696, 1005697	5	4911.00	24555.00	
3	02/01/2006	Sai Sri Enterprises	DC Power Supply, Dual Trace 0-30V, 1AMP 0to+/-15V Dual track, 1AMP Multi Power Supplies	1A-0206-070	1005621, 1005624, 1005625, 1005626, 1005627	5	7362.00	36810.00	1005621 was condemned
4	27/06/2007	Pacific Electronics pvt Ltd, SEC	0-30V, 2AMP, Dual channel	15	493806, 493906, 494006, 494106, 494206, 494506, 494606, 494906, 495006, 495106, 495206, 495306, 495406, 496406, 496506	15	3328.00	51916.00	

Analog Communication Trainer Kits

S.No	Date	Supplier	Specification	Bill No	Quantity	Unit cost	Total Cost	Remarks
1	25/09/1997	Wham Enterprises, HYD	Analog Communication Trainer Kit, PAM & Demodulation	46/97	02	1700.00	3536.00	Condemned
2	01/08/1998	Future Tech, HYD	AM	40	01	1280.00	1126.00	Condemned
3	01/08/1998	Future Tech, HYD	FM & Demodulation	40	01	1480.00	1302.00	Condemned
4	01/08/1998	Future Tech, HYD	PAM & Demodulation	40	01	1480.00	1302.00	Condemned
5	01/08/1998	Future Tech, HYD	Pulse Width Modulation & Demodulation	40	01	1250.00	1099.00	Condemned
6	01/08/1998	Future Tech, HYD	Pulse Position Modulation & Demodulation	40	01	1250.00	1099.00	Condemned
7	27/01/2001	Hi-Q Electronics, HYD	Balanced Modulator & Demodulator	429	01	1440.00	1497.60	Condemned
8	04/10/2002	Future Tech Instruments(p) Ltd, SEC	Phase Locked Loop	416	01	1280.00	1106.00	Condemned
9	04/10/2002	Future Tech Instruments(p) Ltd, SEC	SSB Modulation & Demodulation	416	01	5880.00	4933.00	
10	04/10/2002	Future Tech Instruments(p) Ltd, SEC	Pulse Width Modulation & Demodulation	416	01	1280.00	1106.00	
11	04/10/2002	Future Tech Instruments(p) Ltd, SEC	Digital Time Division MUX & DeMUX	416	01	2480.00	2104.49	Condemned
12	04/10/2002	Future Tech Instruments(p) Ltd, SEC	Differential Pulse Code Modulation & Demodulation	416	01	4280.00	3602.09	Condemned
13	04/10/2002	Future Tech Instruments(p) Ltd, SEC	Pulse Amplitude Modulation & Demodulation	416	01	1480.00	1272.49	

Decade Resistance Box

S.No	Date	Supplier	Specification	Bill No	Quantity	Unit cost	Total Cost	Remarks
1	22/08/2006	Physitech Electronic-s	1ohm to 1Mohm, 6 dial	099	12	1087.00	13044.00	All are Condemned

Decade Capacitance Box

S.No	Date	Supplier	Specification	Bill No	Quantity	Unit cost	Total Cost	Remarks
1	22/08/2005	Physitech Electronic-s	100pf to 10Uf, 5 dial	099	12	1237.00	14844.00	All are Condemned

Decade Inductance Box

S.No	Date	Supplier	Specification	Bill No	Quantity	Unit cost	Total Cost	Remarks
1	22/08/2005	Physitech Electronic-s	10microHe-nry to 1000milli- Henry, 5 dial	099	12	1312.00	15744.00	All are Condemned

Digital Multimeter

S.No	Date	Supplier	Specification	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost	Remarks
1	31/01/2007	Himalaya Electronic-s, HYD	Digital Multimeter (Hand held)	09	702700,702701, 702702,702703, 702704,702705, 702706,702707, 702708,702709	10	1325.00	13250.00	702700, 702701, 702702, 702703, 702706, 702707, 702708 Condemned
2	23-03-2024	Meco Instruments	Transistor, Frequency, Capacitance, hfe measurement, continuity test cie 122	GI/23-24/1982	41166,41171,41174, 41175,41176	5	1300.40	7,672.36	

IC Tester

S.No	Date	Supplier	Specification	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost	Remarks
1	25/05/2006	Mechatro-nics test equipment pvt ltd.,	Digital IC Tester	030	AAA00400502006	01	15556.00	15556.00	Repair
2	25/05/2006	Mechatro-nics test equipment pvt ltd.,	Linear IC Tester	030	AAC00400502006	01	33333.00	33333.00	

3	25/09/1997	Wham Enterprise-s, HYD	Handled	46/97	171601	01	6300.00	6552.00	Condemned
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Internet Tower & Accessories

S.No	Date	Supplier	Specification	Bill No	Quantity	Unit cost	Total Cost	Remarks
1	05/08/2006	Prathiba telecom	Microtech 500 series 54MBPS Bridge	22	02	65000.00	130000.00	
	05/08/2006	Prathiba telecom	RF Cables	22	04	1200.00	4800.00	
	05/08/2006	Prathiba telecom	27 DBS Parabolic Antenna	22	02	15000.00	30000.00	
	05/08/2006	Prathiba telecom	8 Port Switches	22	02	1500.00	3000.00	
	05/08/2006	Prathiba telecom	Ethernet Cable	22	150mts	35mts	5200.00	
	05/08/2006	Prathiba telecom	15meter Tower. Lighting Arrestor	22	02	55000.00	110000.00	
	05/08/2006	Prathiba telecom	Earthing Cable	22	100mts	75.00	7500.00	
	05/08/2006	Prathiba telecom	Power Cables	22	100mts	22.00	2200.00	
2	09/10/2006	Prathiba telecom	Supply of 2KVA UPS System with Batteries * hours back up for 3 system for above equipment	42	01	45600.00	45600.00	
3	06/12/2006	Prathiba telecom	Supply & Installation of Wireless Equipment	103	02	30000.00	60000.00	
			8 Port Switches		05	1400.00	7000.00	
			Cat 6 Cable		01	4600.00	4600.00	

Analog Electronics CDs

S.No	Date	Supplier	Specification	Bill No	Quantity	Unit cost	Total Cost	Remarks
1	17/10/2000	Unique Electronic-s, Chennai	Basic Op-Amp Circuits, Op-Amp Application Circuits, Basic Filters Advanced Active Filters, Log Circuits And Signal Source	UE/023/TT	05	1200.00	4080.00	

Analog IC Application Trainer Kit

S.No	Date	Supplier	Specification	Bill No	Quantity	Unit cost	Total Cost	Remarks
1	05/02/2007	Physitech Electronic-s, SEC	Analog IC Application Trainer Kits Digital & MP Interfacing Trainer	286	01	4218.00	4386.72	

Audio Generator

S.No	Date	Supplier	Specification	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost	Remarks
1	28/06/2007	Himalaya Electronic-s & Systems, HYD	10ohm to 1Mohm	09	EH855900	01	11430.00	11430.00	

Analog Communication Trainer Kits

S.No	Date	Supplier	Specification	Bill No	Quantity	Unit cost	Total Cost	Remarks
1	04/10/2002	Future Tech Instruments pvt ltd., SEC	Pulse Position Modulation & Demodulation	416	01	1480.00	1272.49	
2	04/10/2002	Future Tech Instruments pvt ltd., SEC	Frequency Shift Keying	416	01	2480.00	2104.49	
3	04/10/2002	Future Tech Instruments pvt ltd., SEC	Phase Shift Keying	416	01	2480.00	2104.49	
4	20/01/2004	Future Tech Instruments pvt ltd., SEC	Mixer Characteristics	M-831	02	2980.00	5454.59	Condemned
5	23/01/2007	Physitech Electronic-s, SEC	AM & Demodulation	264	03	1113.00	3472.56	
6	23/01/2007	Physitech Electronic-s, SEC	FM & Demodulation	264	03	1215.00	3790.80	
7	23/01/2007	Physitech Electronic-s, SEC	BM & Demodulation	264	03	1856.00	5790.72	
8	23/01/2007	Physitech Electronic-s, SEC	Pre-Emphasis & De-Emphasis	264	01	1316.00	1368.64	
9	23/01/2007	Physitech Electronic-s, SEC	Mixer Characteristics	264	03	1687.00	5263.44	
10	23/01/2007	Physitech Electronic-s, SEC	Phased Locked Loop	264	02	1515.00	3157.44	Condemned
11	23/01/2007	Physitech Electronic-s, SEC	Synchronous Detector	264	02	2362.00	4912.96	
12	23/01/2007	Physitech Electronic-s, SEC	SSB Modulation & Demodulation	264	01	4387.00	4562.48	
13	23/01/2007	Physitech Electronic-s, SEC	Receiver Measure & Study of AGC	264	01	6412.00	6668.48	
14	23/01/2007	Physitech Electronic-s, SEC	PAM & Demodulation	265	02	1350.00	2808.00	
15	18/04/2007	Physitech Electronic-s, SEC	Diode Detector Characteristics kits	08	02	600.00	5990.40	

16	18/04/2007	Physitech Electronic-s, SEC	Frequency Synthesis	08	02	3600.00	5990.40	
17	18/04/2007	Physitech Electronic-s, SEC	Squelch Circuit Kits	08	02	3600.00	5990.40	
18	18/04/2007	Physitech Electronic-s, SEC	AGC Characteris-tic Kit	08	02	9500.00	15808.00	
19	03/03/2015	Futuretech Instrument Pvt Ltd.,	Pre-Emphasis & De- Emphasis	172	04	1316.00	5527.20	
20	03/03/2015	Futuretech Instrument Pvt Ltd.,	Pulse width Modulation & Demodulati-on	172	01	5040.00	5292.00	
21	03/03/2015	Futuretech Instrument Pvt Ltd.,	Digital Frquency Synthesizer	172	02	2436.00	5115.60	
22	03/03/2015	Futuretech Instrument Pvt Ltd.,	AGC Characteristic Kits	172	02	2996.00	6291.60	
23	03/03/2015	Futuretech Instrument Pvt Ltd.,	PAM & Demodulation	172	01	5040.00	5292.00	
24	02/01/2018	Futuretech Instrument Pvt Ltd.,	AM & Demodulation	51	03	2980.00	8439.36	
25	02/01/2018	Futuretech Instrument Pvt Ltd.,	FM & Demodulation	51	05	3480.00	16425.00	
26	02/01/2018	Futuretech Instrument Pvt Ltd.,	Diode Detector Characteris-tic Kits	51	04	4400.00	16614.40	
27	02/01/2018	Futuretech Instrument Pvt Ltd.,	BM & Demodulator	51	02	4580.00	8647.04	
28	02/01/2018	Futuretech Instrument Pvt Ltd.,	Mixer Characteristics	51	04	4400.00	16614.40	
29	02/01/2018	Futuretech Instrument Pvt Ltd.,	Synchronous Detector	51	04	4580.00	17294.08	
30	02/01/2018	Futuretech Instrument Pvt Ltd.,	SSB Modulation & Demodulation	51	03	7200.00	20390.40	
31	02/01/2018	Futuretech Instrument Pvt Ltd.,	AGC Characteristic Kits	51	02	4280.00	8080.64	
32	-	-	BM & Demodulation	429	01	1440.00	1497.60	
33	-	-	Phase Locked Loop	416	01	1106.09	1280.00	
34	-	-	SSB Modulation & Demodulation	416	01	4933.29	5880.00	

Digital Communication Trainer Kits

S.No	Date	Supplier	Specification	Bill No	Quantity	Unit cost	Total Cost	Remarks
1	01/08/1998	Future Tech, SEC	FSK	40	01	2400.00	2111.40	All are condemned
			PSK		01	2400.00	2111.40	
			DPSK		01	2400.00	2181.78	
			DPCM		01	4280.00	3765.33	
			DM		01	2880.00	2533.68	
			TDM		01	2080.00	1829.88	
			PCM		01	4600.00	4046.85	
2	23/01/2007 20/02/2007 18/04/2007	Physitech Electronics, SEC	PM	264	02	1755.00	3650.00	TDM, PCM, DPCM, DM are condemned
			PWM	265	02	1350.00	2808.00	
			PPM	265	02	1350.00	2808.00	
			Sampling	265	02	2160.00	4492.00	
			TDM	265	02	2025.00	2106.00	
			PCM	265	01	6075.00	6318.00	
			DPCM	265	01	6412.00	6668.48	
			DM	265	02	2700.00	5616.00	
			FSK	265	02	2025.00	4212.00	
			PSK	265	02	2869.00	5967.52	
			DPSK	265	02	3240.00	6739.20	
			ASK	265	02	3037.00	6316.96	
			QPSK	265	02	8100.00	8424.00	
			Precision Rec	308	01	945.00	982.80	
Digital Phase Detector	08	02	3600.00	5990.40				
3	03/03/2015	Future Tech, CYD	PWM	172	03	2100.00	6615.00	PCM & DM (call no:4) are condemned
			PPM		02	2366.00	4908.00	
			Analog SG		01	3206.00	3366.30	
			PCM		03	4886.00	15390.90	
			DPCM		02	7686.00	16140.60	
			DM		02	3206.00	6732.60	
			FSK		02	3080.00	6408.00	
			PSK		02	3080.00	6408.00	
			DPSK		02	3080.00	6408.00	
			FSK		01	7686.00	8070.00	
			Analog TDM		01	6720.00	7056.00	
Analog Sampl	02	5040.00	10584.00					
PPM	01	7686.00	8070.00					

4	02/01/2018	Future Tech Instruments HYD	Digital Phase Detector	51	04	5180.00	19559.68	
5	28/03/2018	Future Tech Instruments HYD	Analog Sampl Analog TDM DM FSK PSK DPSK PCM DPCM QPSK Channel Enc & Dec	63	03 03 03 02 02 02 02 02 03 01	7680.00 3664.00 8784.00 3520.00 3520.00 8784.00 8784.00 10080.00 8784.00 8784.00	27187.20 12970.56 20730.24 8307.20 8307.20 20730.24 20730.24 35683.00 10365.12 10365.12	

Digital Electronics CDs

S.No	Date	Supplier	Specification	Bill No	Quantity	Unit cost	Total Cost	Remarks
1	17/10/2000	Pentasoftware, unique electronics, Chennai	Basic Logic Gates, Advanced Active Gates, Counters, Binary Arithmetic, Digital Electronic Applications	UE/023/TT	01 01 01 01 01	1200.00 1200.00 1200.00 1200.00 1200.00	1200.00 1200.00 1200.00 1200.00 1200.00	

Photo Phone Overhead Projector

S.No	Date	Supplier	Specification	Bill No	Quantity	Unit cost	Total Cost	Remarks
1	24/06/1998	Jyothi Enterprises HYD	52" *70" stand, 100M/C Sheet Plate	127	01	10320.00	10100.00	

Programmable Function Generator

S.No	Date	Supplier	Specification	Bill No	Quantity	Unit cost	Total Cost	Remarks
1	28/06/2007	Himalaya Electronics HYD	10MHz to 15MHz in 8 Frequency Range	09	01	44010.00	44010.00	

Programmable Dc Power Supply

S.No	Date	Supplier	Specification	Bill No	Quantity	Unit cost	Total Cost	Remarks
1	30/06/2007	Himalaya Electronics HYD	PSP-603	12	01	16200.00	16200.00	

Synthesized Function Generator

S.No	Date	Supplier	Specification	Bill No	Equipment Serial No.	Quantity	Unit cost	Total Cost	Remarks
1	28/06/2007	Himalaya Electronics	SFG 2104 GW Instek	09	EH842240	01	21870.00	21870.00	

Tower Equipment

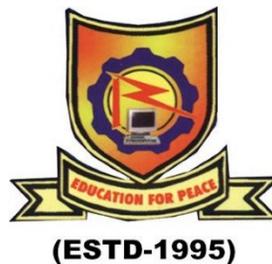
S.No	Date	Supplier	Specification	Bill No	Quantity	Unit cost	Total Cost	Remarks
1	13/07/2006	Prathibha Telecom	Microtech 500series 54MBPS	22	2	65,000.00	1,45,912.00	
2	13/07/2006	Prathibha Telecom	Microtech 500series 54MBPS	22	4	1200.00	5,381.52	
3	13/07/2006	Prathibha Telecom	Microtech 500series 54MBPS	22	2	15000.00	33672.00	
4	13/07/2006	Prathibha Telecom	Microtech 500series 54MBPS	22	2	1500.00	3367.20	
5	13/07/2006	Prathibha Telecom	Microtech 500series 54MBPS	22	150	34.67	5837.04	
6	13/07/2006	Prathibha Telecom	Microtech 500series 54MBPS	22	2	55000.00	123464.00	
7	13/07/2006	Prathibha Telecom	Microtech 500series 54MBPS	22	2	4500.00	10101.00	
8	13/07/2006	Prathibha Telecom	Microtech 500series 54MBPS	22	100	75.00	8418.00	
9	13/07/2006	Prathibha Telecom	Microtech 500series 54MBPS	22	100	22.00	2469.28	

Wireless Equipment:

S.No	Date	Supplier	Specification	Bill No	Quantity	Unit cost	Total Cost	Remarks
1	21/11/2006	Prathibha Telecom	Wireless Equipment	103	2	30000.00	60000.00	
2	21/11/2006	Prathibha Telecom	8Port Switch	103	5	1400.00	7000.00	
3	21/11/2006	Prathibha Telecom	Cat 6 Cable	103	1	4600.00	4600.00	

**RGM COLLEGE OF ENGINEERING AND TECHNOLOGY
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DEPARTMENT OF ECE**

**SIMULATION LAB - II
LABORATORY EQUIPMENT**



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INDEX

S.No.	PARTICULARS	COST
1	Computers	940,000.00
2	Software	1,493,679.20
3	DLP	67,500.00
4	Air Condition unit	21,456.49
		2,522,635.69

Computers

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	NET sys Computer, Hyderabad	<u>Dell Optiplex-3010:</u> Dell 3010 Referbased Desktop, Intel core i7, 2 nd Gen processor,8GB RAM ,500 GB HDD,Dell LED Monitor,Dell key board and Mouse	289	11/07/2019	20,000.00	5	100,000.00	Received from IOT Lab
2	Rezvi Computers, Hyderabad	Dell optiplex Desktop intel core i7,4 th Gen Processor,8 GB RAM, 1 TB HDD, Keyboard ,Mouse ,Led Monitor,Power cable.	RCS-020/22-23	05/09/2022	23,728.81	30	840,000.00	
							940,000.00	

Software

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	Trident Techlabs Pvt.Ltd, New Delhi	<u>Software</u> VLSI Design Suite (4 VHDL Student edition + 1 VHDL Plus edition)	167	10/03/2003	27,000.00	5	140,400.00	
2	Trident Techlabs Pvt.Ltd, New Delhi	MULTISIM: Student Edition (Version 2001)	167	10/03/2003	7,500.00	10	78,000.00	
3	Trident Techlabs Pvt.Ltd, New Delhi	Multisim V9 (Edu)	176/2006-07	03/01/2007	13,200.00	25	363,000.00	
		MultiMCU - 9			11,600.00	5	63,800.00	
		ADE-VHDL (Ver 7.2)			19,400.00	20	426,800.00	
		ADE-VLOG (Ver 7.2)			19,400.00	5	106,700.00	
4	TETCOS, Bangalore	NETSIM Academic Version, NET Sim Standard Version & Component I,III, VII, VIII,IX,X & XV	13-14/1016	06/09/2013	33,927.10	11	314,979.20	
							1,493,679.2	

DLP

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	DIG Waves	Digital Light Projector (BENQ)	72	19/12/2005	67,500.00	1	67,500.00	Condemned

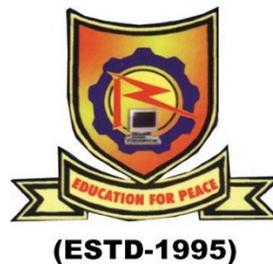
Air-condition Unit

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	Voltas Ltd, Secunderabad	Air Conditioner 1.5 Tons Split Air Con (M)	8114008	24/06/2006	19,111.00	1	21,456.49	Condemned

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LABORATORY EQUIPMENT



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INDEX

S.No.	PARTICULARS	COST
1	Computers	2,697,139.97
2	Penstar Tablet Monitor	63,336.00
3	Software	1,072,393.58
4	DLP	29,489.92
5	Air-Condition unit	42,912.99
6	Networking Equipment	301,735.50
7	Computer Chairs	98,235.00
8	ARM Lab Equipment	114,071.60
9	10 KVA UPS 1PH/1PH	168,430.00
		4,587,744.56

Computers

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Micro care Computers Pvt.Ltd., Hyderabad	HP Compaq D290: Intel 915 G Chipset, Intel Pentium IV 3.0 GHz, 80 GB HDD, 512 MB DDR SD RAM, Optical Combo Drive, Standard Keyboard & Mouse, 17" HP 7540 CRT Monitor.	3141	27/01/2006	27,211.53	4	113,199.96	Condemned to scrap
2	Abacus Net-Comm Pvt. Ltd., Hyderabad	IBM Think centres: Intel 945 Gz Chipset Family, Intel Pentium IV 3.4 GHZ, 80 GB SATA HDD (7200 RPM), 512 MB DDR SD RAM, IBM Keyboard & Mouse, 17" Inches Color Monitor.	002	03/04/2006	30,500.00	5	152,500.00	Condemned to scrap
3	Locuz Enterprise Solutions Ltd, Hyderabad	Dell (A0-745 G) OptiPlex 745 N: Intel Q965 Express Chipset Mother Board, Intel Core 2 Duo 1.8 GHz, 1GB DDR2 SD RAM, 80 GB SATA HDD (7600 RPM), Dell key board & mouse, 15" Inches TFT monitor	H/104/2007-08	14/06/2007	32,211.54	6	201,000.01	Not working Not Repairable Condemned
4	Microcare Computers Pvt.Ltd., Hyderabad	HP Compaq DX 7380: Intel Q 965 Express Chipset, Intel Core 2 Duo 1.86 GHz, 80 GB SATA HDD, 1 GB DDR 2 SD RAM, HP Keyboard & Optical Mouse, 15" Inches HP LCD Monitor	1052	07/07/2007	31,250.00	6	195,000.00	Not working Not Repairable condemned
5	Abacus Net-Comm Pvt. Ltd., Secunderabad	IBM X3500 Server, Intel Xeon 3.0 GHz Processor, 146 GB HS 15 K HDD, 1 GB RAM (2X512), 2 GB (2X1), IBM Keyboard & Mouse.	119/Abacus/07-08	27/08/2007	3,26,923.08	1	340,000.00	Not working Not Repairable
6	-	Dell OptiPlex 330: Intel G33/G31 Chipset Family, Intel Core 2 Duo 2.4 GHz, 1 GB DDR2 SD RAM, 160 GB SATA HDD (7600 RPM),	-	17/01/2009	56,160.00	1	56,160.00	1-sys condemned

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
		Dell key board & mouse, 18.5" TFT monitor						
7	Computer Centre, Secunderabad	i-Ball Comboset: Intel Dual Core 2.6 GHz, Inter 31 PR Board, 1 GB RAM, 256 GB HDD, 15.6" Acer LCD Monitor, i-Ball Keyboard & Mouse	1312	01/02/2010	15,280.00	1	15,280.00	Condemned
8	Rezvi Computers, HYD	Dell OptiPlex Desktop, Intel Core i7, 4th Gen Processor, 8 GB RAM, 500 GB HDD, 19" Dell LED Monitor, Dell Key board and Mouse	1114 4605 8189 & RCS- 020/22-23	06/09/2022	23,728.81	58	1,624,000.00	1-sys to scholarship section, 1-sys given to fouzia madam.
							2,697,139.97	

Pen star Tablet Monitor

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	DIG Waves Solutions Pvt Ltd, Hyderabad	Pen star Tablet Monitor	372	31/03/2006	63,336.00	1	63,336.00	

Software

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Cranes Software International Ltd, Bangalore	MATLAB 7.02	643	30/03/2006	16,710.00	15	253,657.80	
2	ni logic Pvt.Ltd,Pune	MICROWIND	58/07-08	26/12/2007	50,000.00	5	275,000.00	
		MICROWIND			Free	5	0	
3	Capricot, Technologies, Pvt.Ltd,Hyd	MATLAB 9.0 (R2016B)	KASL1617/ 1003960	31/12/2016	8,196.00	50	493,809.00	
		Tool Boxes Communications System Tool Box 6.2			13,811.00	1	16,642.26	
		DSP System Tool Box 9.2			13,811.00	1	16,642.26	
		Signal Processing Tool Box 7.2			13,811.00	1	16,642.26	
							1,072,393.58	

DLP

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	DIG Waves	BENQ	72	19/12/2005	67,500.00	1	67,500.00	Condemned
2	CHS Computer Pvt.Ltd, Jagannadapuram	HSN/SAC Code: 8528	CHS/Mar/07 0	27/03/2018	23,039.00	1	29,489.92	

Air-Condition unit

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Voltas Ltd, Secunderabad	<u>Air Conditioner</u> 1.5 Tons Split Aior Con (M)	8114008	24/06/2006	19,111.00	2	42,912.99	Received from DSL-III

Networking Equipment

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	PRS Computers, Nandyal	CAT 6 LAN Cable	1700	16/12/2014	60.00	50	3,150.00	
		RI 45 Ports			20.00	50	1,050.00	
		D-LINK 24 Port Switch			20,000.00	1	21,000.00	
		D-LINK 8 Port Switch			10,050.00	1	10,552.50	
		Wi-Fi Land Cards			1,500.00	8	12,600.00	
2	PRS Computers, Nandyal	LAN Cable 2 meters	176	25/08/2015	65.00	100	6,500.00	
3	IP Networks, Hyderabad	1) CAT 6 Cable Box	1404	30/12/2017	5,850.00	4	29,952.00	
		2) Patch Panel			5,100.00	3	19,584.00	
		3) CAT6 I/O			190.00	100	24,320.00	
		4) Face Plate			90.00	80	8,496.00	
		5) Back Box			60.00	80	5,664.00	
		6) Patch Card			145.00	70	12,992.00	
		7) Patch Card			165.00	180	38,016.00	
		8) Cisco Switch			16,850.00	3	59,649.00	
		9) Rack			14,500.00	1	17,110.00	
		10) Installation			25,000.00	1	29,500.00	
4	PRS Computers, Nandyal	HDMI Cable 20 Mtrs	1223	23/09/2019	1,600.00	1	1,600.00	Condemned
							301,735.50	

Computer Chairs

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Fathuraa, Bangalore	Computer Chairs	82	24/09/2018	1,050.00	75	98,235.00	

ARM Lab Equipment

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Moxie supply Pvt. Ltd. 8A,Goyal Ind Complex Gawali Matha chowk, Tlco Road, Bhosari, Pune-411026	LCD 1602 display yellow backlight	INS 1668	26-02-2022	102.02	20	2,120.34	
		PZIN 51000043 ST-LinkV2 programmer			270.33	80	21,626.44	
		Nena 17 3D printer 2-Phase			26.73	20	534.58	
		wire stepper motor for 1.8 Deg 17HD34008-22B			456.99	20	9,139.83	
		3.3 V5V MB102 Bread board power supply module			51.39	80	4,111.19	
		ULN 2003 stepper motor driver board			28	25	700.00	
		Bread board -840 Tie points solder less High Quality			63.01	20	2,120.34	
		400 points solder less Bread board			62.99	80	21,626.44	
		4*4 Matrix keypad Membrance switch			36.02	20	534.58	
		Analog temperature sensor module			18.01	20	9,139.83	
		Digital sensor TTP223B module			22.03	80	4,111.19	
		capacitive touch switch						
		Tactile push button switch 6*6*5mm(pack of 10)			9.39	25	700.00	
		STM 32F103C8T6 minimum system board microcomputer STM32 ARM core Board			267.03	46	2,898.39	
CH340G USB to TTL (serial) converter for Arduino Nano rasp berry Pi.	55	9	566.92					
15.20cm male to male bread bord Jumper wires 2.5mm(40 pieces)	43.05	20	720.34					
16.20 cm female to female bread	42	20	2,120.34					

		board Jumper wires 2.54mm(40 Pcs 1set)						
		17.20 cm male to female Bread Board Jumper wires 2.5 mm(40 pcs 1-set)			42	80	21,626.44	
		18.12V 2A power supply with 5.5mm Do plug Adapter			295	20	534.58	
		19.USB to DC cable (power cable for Arduino Uno and mega) 1 mter length			25.84	20	9,139.83	
							114,071.60	

UPS

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Sunpower Technologies	RT 10 KVA UPS IPH/1PH, 26 AH Batteries, Rack and Links	SPT 33-23/259	14-12-2022	1,38,500.00	1	1,21,260.00	

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LABORATORY EQUIPMENT**



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INDEX

S.No.	PARTICULARS	COST
1	Cathode Ray Oscilloscopes	5,01,331.00
2	Function Generators	2,23,950.00
3	Regulated Power Supplies	1,48,363.00
4	Decade Resistance Box	1,23,399.94
5	Decade Capacitance Box	86,986.24
6	Decade Inductance Box	1,06,178.40
7	Digital Multimeters	98,769.00
8	A.C Ammeters	89,367.46
9	A.C Voltmeters	19,707.20
10	D.C Ammeters	2,32,452.00
11	D.C Voltmeters	76,426.69
12	Electronic Circuits Trainer Kits	70,156.00
13	Electronic Devices Trainer Kits	52,036.00
14	IC Testers	33,333.00
Total amount		18,62,455.93

Cathode Ray Oscilloscopes

S.No	Supplier	Equipment Name & Specifications	Bill No	SI No.	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Hi-Q Electronics, Hyderabad	20 Mhz, Dual Trace, 1 mv sensitivity	319	6032113 6063561	06/02/1997	17,000.00	2	35,360.00	condemned
2	Hi-Q Electronics, Hyderabad	20 Mhz, Dual Trace, 2mv sensitivity	59	70400425 434 444 454 466	22/08/1997	14,500.00	5	72,500.00	condemned
3	Hi-Q Electronics, Hyderabad	30 Mhz, Dual Trace, 5mv sensitivity	429	730409 410 411	27/01/2001	19,125.00	3	59,670.00	condemned
4	Future Tech Instruments (P) Ltd., Secunderabad	30 MHz, Dual Trace, 1 mv sensitivity	T-131	03061315	28/06/2003	19,136.00	1	19,136.00	
5	Future Tech Instruments (P) Ltd., Secunderabad	20 Mhz, Dual Trace, 5 mv sensitivity	T-131	0318381 390 396	28/06/2003	18,626.00	3	55,478.00	
6	Future Tech Instruments (P) Ltd., Secunderabad	20 Mhz, Dual Trace	T-160	060315885	05/07/2003	16,744.00	1	16,744.00	
7	Future Tech Instruments (P) Ltd., Secunderabad	20 Mhz, Dual Trace 5mv	T-412	0318402	19/08/2003	17,910.00	1	18,626.40	
8	Systronics, Hyd	20 Mhz, Dual Trace, Long Persistence	671316	1006 1007 1016 1017	28/11/2006	15,485.00	4	64,417.60	
9	Himalaya Electronics and	20 Mhz, Dual Trace, EH	8	EH830370 376	28/06/2007	15,500.00	6	93,000.00	

	Systems,Hyd			377 379 386 404					
10	Himalaya Electronics and Systems,Hyd	20 MHz, Duel Trace, Component Tester	19	EH851020,022 023,EH853449	14/07/2007	16,500.00	4	66,000.00	

Function Generator

S.No	Supplier	Equipment Name & Specifications	Bill No	SI No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Pacific Electronics Pvt. Ltd., Secunderabad	1 Hz to 1 MHz, 0-20 Vp-p	268	96181335,336 337,338	10/10/1996	3,350.00	4	15,276.00	condemned
2	Systronics, Hyderabad	1 Hz to 1 MHz, Digital Readout	980757	1415,1420,142 1,1426,1428,1 429	11/07/1997	5,870.00	6	35826.00	condemned
3	Hi-Q Electronics, Hyderabad	1 Hz to 1 MHz	59	6081724 6112024	22/08/1997	8,700.00	2	17,400	condemned
4	Systronics, Hyderabad	1 Hz to 1 MHz, Digital Readout	12287	2678	18/01/2001	7,400.00	1	7,965.42	condemned
5	Future Tech Instruments (P) Ltd., Secunderabad	1 Hz to 1 MHz	T-181	05032256,257, 258,259,260,2 61	08/07/2003	6,760.00	6	40,560.00	condemned
6	Systronics ,Hyd	1 Hz to 1 MHz, Digital Readout	671360	4053,4056	31/12/2006	6,168.00	2	14,923.20	condemned
7	Systronics Hyd	2 MHz, Digital Read out	1515410047	FB021,022 023,024,025 026,027,028 029,030	30/03/2015	8,900.00	10	8900.00	condemned

Regulator Power Supplies

S.No	Supplier	Equipment Name & Specifications	Bill No	SI No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Hi-Q Electronics,	0 - 30 V, 1 Amp,	319	-	06/02/1997	2150.00	3	6708.00	

	Hyderabad	Single Channel							
2	Hi-Q Electronics, Hyderabad	0 - 30 V, 1 Amp, Single Channel	319	-	06/02/1997	2,400.00	2	4,992.00	Condemned
3	Instrument Techniques Pvt.Ltd,Hyd	0 - 30 V, 2 Amp, Dual Channel	429	010,162,165	27/01/2001	3,960.00	2	8,236.80	
4	Instrument Techniques Pvt.Ltd,Hyd	0 - 30 V, 2 Amp, Dual Channel	123/03-04	0311011,012 013,014,015 016,017,018 019	04/11/2003	4,600.00	9	43,056.00	
5	Instrument Techniques Pvt.Ltd,Hyd	0 - 30 V, 2 Amp, Dual Channel	ITL/148/06- 07	0611040 041,042,043 045	21/11/2006	5,400.00	5	28,080.00	
6	Pacific Electronics Pvt.Ltd, Sec	0 - 30 V, 2 Amp, Dual Channel	24	496706,806 906,497006 497106,206 406,498006 106,206	27/06/2007	3,328.00	10	34,611.20	
7	Himalaya Electronics and Systems,Hyd	Muylti output 025v,1 Amp,0-30v, 3Amp, 0-30v, 3 Apm 2.2-5.2v, 1Amp	9	EH856235	28/06/2007	22680.00	1	22680.00	

Decade Resistance Box

S.No	Supplier	Equipment Name & Specifications	Bill No	SI No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Pacific Electronics Pvt. Ltd., Secunderabad	5 Decades, 1 Ω to 100 K Ω	273	9640658,59,61	12/10/1996	1,100.00	3	3,603.60	condemned
2	Pacific Electronics Pvt. Ltd., Secunderabad	4 Decades, 1 Ω to 100 K Ω	008/97-98	966721,722, 976728,736 739	05/07/1997	975	5	4,816.50	condemned
3	Pacific Electronics Pvt. Ltd., Secunderabad	5 Decades, 1 Ω to 100 K Ω	008/97-98	9740728,730, 734,735,737	05/07/1997	1100	5	5,434.00	condemned
4	Hi-Q Electronics, Hyderabad	5 Decades, 1 Ω to 100 K Ω	423		27/01/2001	812.00	8	6,755.84	condemned

5	Himalaya Electronics and Systems,Hyd	6 Decades, 1 Ω to 1 M Ω	24	35134,135,137 138,139,140, 141,142,143 144	02/02/2007	1075.00	10	10,750.00	
6	SR Electronics, Hyderabad	6 dial, 1 Ohm to 1 M Ω	001	088 to 108	18-03-2024	3,900.00	20	92,040.00	
								123,399.94	

Decade Capacitance Box

S.No	Supplier	Equipment Name & Specifications	Bill No	SI No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
.1	Pacific Electronics Pvt. Ltd., Secunderabad	4 Decades, 100 pF to 1000 KpF	008/97-98	9771023 1024 1029	05/07/1997	1450.00	3	4,297.80	Condemned
2	Pacific Electronics Pvt. Ltd., Secunderabad	5 Decades, 100 pF to 10 μ F	008/97-98	9650937 9650938	05/07/1997	1950.00	2	5,779.00	Condemned
3	Pacific Electronics Pvt. Ltd., Secunderabad	6 Decades, 10 pF to 10 μ F	008/97-98	9610182	05/07/1997	2700.00	1	2,700.00	Condemned
4	Hi-Q Electronics, Hyderabad	5 Decades, 100 pF to 10 μ F	429	-	27/01/2001	1584.00	4	6,589.44	Condemned
5	Himalaya Electronics and Systems,Hyd	6 Decades, 10 Pf to 10 μ f	24	-	02/02/2007	1800.00	9	16,200.00	
6	Pacific Electronics pvt Ltd, Secunderabad	5 dial 100 Pf to 10 uf			05/07/97	1800.00	3	5,400.00	Condemned
7	SR Electronics, Hyderabad	<u>Decade Capacitance Box</u> 6 Decades, 10 Pf to 10 μ f	001	080 to 089	18-03-2024	10	3,9000.00	46,020.00	
								86,986.24	

Decade Inductance Box

S.No	Supplier	Equipment Name & Specifications	Bill No	SI No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Pacific Electronics Pvt. Ltd., Secunderabad	4 Decades, 0 mH to 10 H	274	9660344	12/10/96	2525.00	1	27,557.00	condumned
2	Pacific Electronics Pvt. Ltd., Secunderabad	5 Decades, 0 µf to 1000m H	274	9630534 444	12/10/96	2365.00	2	5,165.00	Condemned
3	Pacific Electronics Pvt. Ltd., Secunderabad	4 Decades, 0 mH to 10 H	008/97-98	9760375 376	05/07/1997	2650.00	2	5,236.40	Condemned
4	Himalaya Electronics and Systems, Hyd	6 Decades, 10 µH to 1 H	25	-	05/02/2007	1,850.00	12	22,200.00	CL:031,032,033 3 Condemned
5	SR Electronics, Hyderabad	6 Decades, 10 µH to 10 H	001	043 to 052	18-03-2024	10	3,9000.00	46,020.00	
								106,178.40	

Digital Multimeter

S.No	Supplier	Equipment Name & Specifications	Bill No	SI No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Pacific Electronics Pvt. Ltd., Secunderabad	Transistor, Frequency, Capacitance hfe measure, Continuity test	36/96-97	308393 399	14/09/1996	2,300.00	2	4,784.00	Condemned
2	Hi-Q Electronics, Hyderabad	Transistor, Frequency, Capacitance hfe measure, Continuity test	59	S60900411900 704 900709	22/08/1997	1640.00	3	4920.00	condumned
3	Future Tech Instruments (P) Ltd., Secunderabad	Transistor, Frequency, Capacitance hfe measure, Continuity test	T-196	231494 496 498 499 500	09/07/2003	1,400.00	5	7,000.00	231494 498 499 500 Condemned

4	YOKOGAWA India Ltd, Bangalore	Transistor, Frequency, Capacitance hfe measure, Continuity test	2029943	6245458 531 556 558 634	30/12/2006	3880.00	5	21825.00	
5	YOKOGAWA India Ltd, Bangalore	Transistor, Frequency, Capacitance hfe measure, Continuity test	2029943	TIFB033 035	30/12/2006	15,000.00	2	33,750.00	
6	Himalaya Electronics and Systems,Hyd	Transistor Frequency, Capacitance hfe measure, Continuity test	23	632096 97 98 99 100 101 102 103 104 105	31/01/2007	1,325.00	10	13,250.00	632096 97 98 100 101 102 103 104 105 Condemned
7	Himalaya Electronics and Systems,Hyd	Transistor, Frequency, Capacitance hfe measure, Continuity test	9	707771 72 73 74 75 76 77 78 79 80	28/06/2007	1,325.00	10	13,250.00	707771 72 Condemned

AC Ammeters

S.No	Supplier	Equipment Name & Specifications	Bill No	SI No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Hi-Q Electronics, Hyderabad	0 - 5 mA	430	-	02/08/1997	625.00	3	1,950.00	condemned
2	Hi-Q Electronics, Hyderabad	0 - 10 mA	430	-	02/08/1997	625.00	3	1,950.00	condemned

3	Hi-Q Electronics, Hyderabad	0 - 100 mA	430	-	02/08/1997	625.00	2	1,300.00	Condemned
4	Meco Instruments Pvt. Ltd., Mumbai	0 - 10 mA	3338		14/02/2001	432.00	5	2,686.69	Condemned
5	Meco Instruments Pvt. Ltd., Mumbai	0 - 100 mA	3338		14/02/2001	432.00	4	2,185.57	Condemned
6	Meco Instruments Pvt. Ltd., Mumbai	0 - 10 mA	GI/23- 24/1972	11721/24 to 11740/24	22-03-2024	1284.00	20	30,302.00	
7	Meco Instruments Pvt. Ltd., Mumbai	0 - 25 mA	GI/23- 24/1972	11741/24 to 11760/24	22-03-2024	1284.00	20	30,302.00	
8	Meco Instruments Pvt. Ltd., Mumbai	0 - 100 mA	GI/23- 24/1972	11721/24 to 11740/24	22-03-2024	792.00	20	18,691.20	
								89,367.46	

AC Voltmeters

S.No	Supplier	Equipment Name & Specifications	Bill No	SI No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Meco Instruments Pvt. Ltd., Mumbai	0 - 30 V	3338		14/02/2001	360.00	2	1,016.00	
2	Meco Instruments Pvt. Ltd., Mumbai	0 - 30 V	GI/23- 24/1972	11701/24 to 11720/24	22-03-2024	792	20	18,691.20	
								19,707.20	

DC Ammeters

S.No	Supplier	Equipment Name & Specifications	Bill No	SI No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Hi-Q Electronics, Hyderabad	0 - 1 mA	430	-	02/08/1997	550.00	4	2,288.00	condumned
2	Hi-Q Electronics, Hyderabad	0 - 10 mA	430	-	02/08/1997	550.00	2	1,144.00	condumned
3	Hi-Q Electronics, Hyderabad	0 - 50 mA	430	-	02/08/1997	550.00	6	3,432.00	condumned
4	Hi-Q Electronics, Hyderabad	0 - 100 mA	430	-	02/08/1997	550.00	6	3,432.00	condumned
5	Hi-Q Electronics, Hyderabad	0 - 500 mA	430	-	02/08/1997	550.00	5	2,860.00	condumned
6	Hi-Q Electronics, Hyderabad	0 - 100 μ A	430	-	02/08/1997	575.00	3	1,794.00	condumned

7	Hi-Q Electronics, Hyderabad	0 - 500 μ A	430	-	02/08/1997	575.00	3	1,794.00	Condemned
8	Meco Instruments Pvt. Ltd., Mumbai	0 - 10 mA	2129	-	30/10/1999	337.50	6	2,582.18	condumned
9	Meco Instruments Pvt. Ltd., Mumbai	0 - 25 mA	2130	-	30/10/1999	337.50	5	2,166.59	Condemned
10	Meco Instruments Pvt. Ltd., Mumbai	0 - 50 mA	2130	-	30/10/1999	337.50	5	2,174.82	Condemned
11	Meco Instruments Pvt. Ltd., Mumbai	0 - 5 mA	2130	-	30/10/1999	337.50	5	2,166.59	Condemned
12	Meco Instruments Pvt. Ltd., Mumbai	0 - 1 mA	3336		14/02/2001	342.00	8	3,496.16	
13	Meco Instruments Pvt. Ltd., Mumbai	0 - 10 mA	3336		14/02/2001	342.00	8	3,496.16	
14	Meco Instruments Pvt. Ltd., Mumbai	0 - 50 mA	3336		14/02/2001	342.00	5	2,285.85	
15	Meco Instruments Pvt. Ltd., Mumbai	0 - 100 mA	3337		14/02/2001	342.00	5	2,168.60	
16	Meco Instruments Pvt. Ltd., Mumbai	0 - 500 mA	3337		14/02/2001	342.00	3	1,412.16	
17	Meco Instruments Pvt. Ltd., Mumbai	0 - 250 μ A	3337		14/02/2001	382.50	3	1,553.10	
18	Meco Instruments Pvt. Ltd., Mumbai	0 - 500 μ A	3337		14/02/2001	382.50	5	2,403.50	
19	Future Tech Instruments (P) Ltd., Secunderabad	0 - 500 μ A	T-131		28/06/2003	374.00	3	1,122.00	
20	Future Tech Instruments (P) Ltd., Secunderabad	0 - 50 mA	T-131		28/06/2003	374.00	3	1,122.00	
21	Future Tech Instruments (P) Ltd., Secunderabad	0 - 100 μ A	T-131		28/06/2003	374.00	3	1,122.00	

DC Voltmeters

S.No	Supplier	Equipment Name & Specifications	Bill No	SI No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Hi-Q Electronics, Hyderabad	0-1 Volts	430		02/08/1997	455.00	4	1,892.80	
2	Hi-Q Electronics, Hyderabad	0-10 Volts	430		02/08/1997	455.00	5	2,366.00	
3	Hi-Q Electronics, Hyderabad	0-25 Volts	430		02/08/1997	455.00	3	1,419.60	
4	Hi-Q Electronics, Hyderabad	0-50 Volts	430		02/08/1997	455.00	3	1,419.60	
5	Hi-Q Electronics, Hyderabad	0-100 Volts	430		02/08/1997	455.00	3	1,419.60	
6	Hi-Q Electronics, Hyderabad	0-250 Volts	430		02/08/1997	455.00	1	473.20	
7	Meco Instruments Pvt. Ltd., Mumbai	0-1 Volts	2129		30/10/1999	337.50	3	1,333.80	
8	Meco Instruments Pvt. Ltd., Mumbai	0-10 Volts	2129		30/10/1999	337.50	5	2,157.75	
9	Meco Instruments Pvt. Ltd., Mumbai	0-30 Volts	2129		30/10/1999	337.50	5	2,157.75	
10	Meco Instruments Pvt. Ltd., Mumbai	0 - 1 V	3335		14/02/2001	342.00	3	1,540.56	
11	Meco Instruments Pvt. Ltd., Mumbai	0 - 2 V	3335		14/02/2001	342.00	5	2,275.60	
12	Meco Instruments Pvt. Ltd., Mumbai	0 - 10 V	3335		14/02/2001	342.00	8	3,485.23	
13	Meco Instruments Pvt. Ltd., Mumbai	0 - 30 V	3335		14/02/2001	342.00	13	5,461.04	
14	Meco Instruments Pvt. Ltd., Mumbai	0 - 50 V	3336		14/02/2001	342.00	3	1,552.86	
15	Future Tech Instruments (P) Ltd., Secunderabad	0-30 V	T-412		19/08/2003	360.00	3	1,123.20	
16	Goliya Electricals Pvt.Ltd, Gujarat	1 V	GE/06-07/1333		09/03/2007	828.00	3	3,267.51	

17	Goliya Electricals Pvt.Ltd, Gujarath	5 V	GE/06-07/1333		09/03/2007	828.00	3	3,267.51	
18	Goliya Electricals Pvt.Ltd, Gujarath	25 V	GE/06-07/1333		09/03/2007	828.00	5	5,434.63	
19	Goliya Electricals Pvt.Ltd, Gujarath	50 V	GE/06-07/1333		09/03/2007	828.00	3	3,267.51	
20	Goliya Electricals Pvt.Ltd, Gujarath	25 V	GE/06-07/1333		09/03/2007	760.00	3	3,000.27	
21	Goliya Electricals Pvt.Ltd, Gujarath	50 V	GE/06-07/1333		09/03/2007	760.00	3	3,000.27	
22	Meco Instruments Pvt. Ltd., Mumbai	0 - 30 V	GI/23-24/1948	-	14-03-2024	1064.00	20	25,110.40	
								76,426.69	

Electronic Circuits Trainer Kits

S.No	Supplier	Equipment Name & Specifications	Bill No	SI No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Pacific Electronics Pvt. Ltd., Secunderabad	Linear Trainer for rectifier regulated	274		12/10/1996	1,100.00	2	2,402.40	condemned
2	Pacific Electronics Pvt. Ltd., Secunderabad	Basic Theorems & Demonstrator	274		12/10/1996	1,400.00	2	3,057.60	condemned
3	Pacific Electronics Pvt. Ltd., Secunderabad	Series, Parallel resonance board	274		12/10/1996	1,000.00	2	2,184.00	condemned
4	Pacific Electronics Pvt. Ltd., Secunderabad	Transistor circuit trainer	274		12/10/1996	1,300.00	2	2,839.20	condemned
5	Pacific Electronics Pvt. Ltd., Secunderabad	Clipping, Clamping Comparator Hi/Low pass Tutor	274		12/10/1996	1,100.00	2	2,402.40	condemned
6	Pacific Electronics Pvt. Ltd., Secunderabad	Phase shift oscillator	274		12/10/1996	750.00	2	1,638.00	condemned
7	Pacific Electronics	Wein Bridge	274		12/10/1996	850.00	2	1,856.40	condemned

	Pvt. Ltd., Secunderabad	Oscillator							
8	Pacific Electronics Pvt. Ltd., Secunderabad	Push pull amplifier board	274		12/10/1996	700.00	2	1,528.80	condemned
9	Pacific Electronics Pvt. Ltd., Secunderabad	AM Demonstrator EXT PSU	274		12/10/1996	700.00	2	1,528.80	condemned
10	Pacific Electronics Pvt. Ltd., Secunderabad	FM Modulator Demonstrator	274		12/10/1996	700.00	1	764.40	condemned
11	Pacific Electronics Pvt. Ltd., Secunderabad	Trig sweep generator EXT PSU	274		12/10/1996	850.00	1	928.20	condemned
12	Pacific Electronics Pvt. Ltd., Secunderabad	Linear OP Amp Trainer	274		12/10/1996	1,300.00	2	2,839.20	condemned
13	Pacific Electronics Pvt. Ltd., Secunderabad	Electronic Circuits Trainer Kit Logic trainer basic	274		12/10/1996	1,300.00	2	2,839.20	condemned
14	Pacific Electronics Pvt. Ltd., Secunderabad	Logic trainer advanced for combination logic	274		12/10/1996	1,300.00	1	1,419.60	condemned
15	Pacific Electronics Pvt. Ltd., Secunderabad	Dual Timer Trainer	274		12/10/1996	1,000.00	1	1,092.00	condemned
16	Pacific Electronics Pvt. Ltd., Secunderabad	Current and Voltage Shunt Feed Back Amplifier With Required Power Supplies	291		09/02/2007	945.00	4	3,931.20	
17	Pacific Electronics Pvt. Ltd., Secunderabad	Current and Voltage Series Feed Back	291		09/02/2007				

		Amplifier With Required Power Supplies				945.00	3	2,948.40	
18	Pacific Electronics Pvt. Ltd., Secunderabad	Two Stage RC Coupled Amplifier with Power supplies	291		09/02/2007	945.00	2	1,965.60	
19	Pacific Electronics Pvt. Ltd., Secunderabad	Class-A Power Amplifier With PS	291		09/02/2007	945.00	3	2,948.40	
20	Pacific Electronics Pvt. Ltd., Secunderabad	Class-B Power Amplifier with PF	291		09/02/2007	945.00	3	2,948.40	
21	Pacific Electronics Pvt. Ltd., Secunderabad	Class-C Power Amplifier (Push Pull)	291		09/02/2007	1,215.00	2	2,527.20	
22	Pacific Electronics Pvt. Ltd., Secunderabad	Class-AB Power Amplifier (Push Pull)	291		09/02/2007	1,215.00	2	2,527.20	
23	Pacific Electronics Pvt. Ltd., Secunderabad	Tuned Voltage Amplifier	291		09/02/2007	945.00	2	1,965.60	
24	Pacific Electronics Pvt. Ltd., Secunderabad	Transformer Coupled Amplifier	291		09/02/2007	1,620.00	2	3,369.60	
25	Pacific Electronics Pvt. Ltd., Secunderabad	Series Voltage Regulator	291		09/02/2007	1,215.00	2	2,527.20	
26	Pacific Electronics Pvt. Ltd., Secunderabad	Shunt Voltage Regulator	291		09/02/2007	1,215.00	3	3,790.80	
27	Pacific Electronics Pvt. Ltd., Secunderabad	ElClass-B Complimentary Symmetry Amplifier	291		09/02/2007	945.00	2	1,965.60	

28	Pacific Electronics Pvt. Ltd., Secunderabad	Darlington Emitter Follower amplifier	291		09/02/2007	1,215.00	2	2,527.20	
29	Physitech Electronics, Sec	CE Amplifier	305		20/02/2007	945.00	1	982.80	
30	Physitech Electronics,	CC Amplifier	305		20/02/2007	945.00	1	982.80	
31	Physitech Electronics, Sec	Single Stage RC Coupled Amplifier Kit	305		20/02/2007	945.00	1	982.80	
32	Physitech Electronics, Sec	FET Amplifier (Common Source) Kit	305		20/02/2007	945.00	1	982.80	
33	Physitech Electronics, Sec	FET Amplifier (Common Drain) Kit	305		20/02/2007	945.00	1	982.80	

Electronic Devices Trainer Kits

S.No	Supplier	Equipment Name & Specifications	Bill No	SI No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Physitech Electronics, Sec	Semiconductor Devices Trainer Kit	286		05/02/2007	2,362.00	1	2,456.48	
2	Physitech Electronics, Sec	Electronic Lab Trainer Kit	286		05/02/2007	4,590.00	1	4,773.60	
3	Physitech Electronics, Sec	Network Circuit Designer Kit	286		05/02/2007	6,412.00	1	6,668.48	
4	Physitech Electronics, Sec	Electronic Circuit Designer Kit	286		05/02/2007	8,437.00	1	8,774.48	
5	Physitech Electronics, Sec	Junction Diode Characteristics without meter	305		20/02/2007	945.00	1	982.80	
6	Physitech Electronics, Sec	Energy Gap of a semi-conductor	305		20/02/2007	2,565.00	1	2,667.60	
7	Physitech Electronics, Sec	Zenor Diode Characteristics without meter	305		20/02/2007	945.00	1	982.80	

8	Physitech Electronics, Sec	Transistor CB Characteristics without meter	305		20/02/2007	945.00	1	982.80	
9	Physitech Electronics, Sec	Transistor Common Collector Characteristics	305		20/02/2007	1,215.00	1	1,263.60	
10	Physitech Electronics, Sec	Rectifiers and Filters	305		20/02/2007	945.00	1	982.80	
11	Physitech Electronics, Sec	FET Characteristics without meter	305		20/02/2007	945.00	1	982.80	
12	Physitech Electronics, Sec	Measurement of h-Parameters	305		20/02/2007	1,215.00	1	1,263.60	
13	Physitech Electronics, Sec	Wein Bridge Oscillator	306		20/02/2007	945.00	1	982.80	
14	Physitech Electronics	RC Phase Shift Oscillator Kit	306		20/02/2007	945.00	1	982.80	
15	Physitech Electronics	Crystal Oscillator Kit	306		20/02/2007	1,620.00	1	1,684.80	
16	Physitech Electronics	Colpitts Oscillators Kit	306		20/02/2007	945.00	1	982.80	
17	Physitech Electronics	Hartley Oscillator Kit	306		20/02/2007	945.00	1	982.80	
18	Physitech Electronics	SCR Characteristics Kit	306		20/02/2007	1,620.00	1	1,684.80	
19	Physitech Electronics	UJT Characteristics kit	306		20/02/2007	945.00	1	982.80	
20	Physitech Electronics	DIAC Characteristics Kit	306		20/02/2007	1,620.00	1	1,684.80	
21	Physitech Electronics	TRIAC Characteristics Kit	306		20/02/2007	1,620.00	1	1,684.80	
22	Physitech Electronics	LED Characteristics Kit	306		20/02/2007	945.00	1	982.80	
23	Physitech Electronics	LDR Characteristics Kit	306		20/02/2007	1,518.00	1	1,578.72	
24	Physitech Electronics	Photo Diode Characteristics Kit	306		20/02/2007	1,890.00	1	1,965.60	

25	Physitech Electronics	Transistor DC amplifier kit	306		20/02/2007	945.00	1	982.80	
26	Physitech Electronics	Solar Cell Characteristics With two Digital Meters Kit	306		20/02/2007	2,700.00	1	2,808.00	

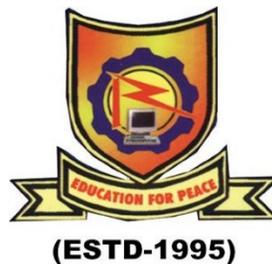
IC Tester

S.No	Supplier	Equipment Name & Specifications	Bill No	SI No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Mechatronics Test Equipment (I) Pvt. Ltd., Pune	Digital	30		11/05/2006	33,333.00	1	33,333.00	

RGM COLLEGE OF ENGINEERING AND TECHNOLOGY
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BEE LAB (RB 3110)

LABORATORY EQUIPMENT



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INDEX

S.No.	Particulars	Total Cost
1	Cathode Ray Oscilloscope	388,406.00
2	Function Generator	213,170.00
3	Regulated Power Supply	146,569.00
4	Decade Resistance Box	106,066.00
5	Decade Capacitance Box	54,618.18
6	Decade Inductance Box	21,026.20
7	Digital Multimeters	26,375.00
8	Component Development System	23,504.00
9	IC Testers	81,769.00
10	Analog IC Trainer Kits	31,697.00
11	Stabilizer	8,719.00
Total cost		1,101,919.38

Cathode Ray Oscilloscopes

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	SI.NO.	Quantity	Unit cost	Total Cost with tax	Remarks
1	12/10/1996	Pacific Electronics Pvt. Ltd., Secunderabad	<u>Cathode Ray Oscilloscope</u> 20 Mhz, Dual Trace, 2 mv sensitivity	273	96101028	1	16,800.00	18,345.60	Condemned
2.	06/02/1997	Hi-Q Electronics, Hyderabad	<u>Cathode Ray Oscilloscope</u> 20 Mhz, Dual Trace, 1 mv sensitivity	319	6063728	1	17,000	17,680	Condemned
3.	22/08/1997	Hi-Q Electronics, Hyderabad	<u>Cathode Ray Oscilloscope</u> 20 Mhz, Dual Trace, 2 mv sensitivity	59	70400483, 70400493, 70400494	3	14,500	43,500	All Condemned
4.	27/01/2001	Hi-Q Electronics, Hyderabad	<u>Cathode Ray Oscilloscope</u> 30 Mhz, Dual Trace, 5 mv sensitivity	429	730412 730421 730422	3	19,125	59,670	All Condemned
5	28/06/2002	Future Tech Instruments (P) Ltd.,	<u>Cathode Ray Oscilloscope</u> 30 Mhz, Dual Trace, 1 mv sensitivity	T-131	03061316	1	19,136	19,136	
6	5/07/2003	Future Tech Instruments (P) Ltd.,	<u>Cathode Ray Oscilloscope</u> 30 Mhz, Dual Trace, 1 mv sensitivity	T-160	060315890 060315892	2	16,744	33,488	
7	19/08/2003	Future Tech Instruments (P) Ltd	<u>Cathode Ray Oscilloscope</u> 30 Mhz, Dual Trace, 1 mv sensitivity	T-412	0318403,406,407	3	17910	55879	406 condemned
8	28/11/2006	Systronics, Hyderabad	<u>Cathode Ray Oscilloscope</u> 20 Mhz, Dual Trace, Long persistence	671316	1018,1019	2	15,485	32,208.80	
9	28/06/2007	Himalaya Electronics and Systems, Hyd	<u>Cathode Ray Oscilloscope</u> 20 Mhz, Dual Trace,	8	EH830510, 516,595, 650,655, EH380172, EH814325	7	15500	108500	

Function Generators

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	SI.NO.	Quantity	Unit cost	Total Cost with tax	Remarks
1	10/10/1996	Pacific Electronics Pvt. Ltd., Secunderabad	<u>Function Generator</u> 1 Hz to 1 MHz, 0-20 Vp-p	268	96181339, 340,341,342	4	3,350.00	15,276.00	All Condemned
2	11/07/1997	Systronics, Hyderabad	<u>Function Generator</u> 1 Hz to 1 MHz, Digital Readout	980757	1430, 1441, 1442,1447	4	5,870.00	25,884.61	1430, 1441-condemned
3	22/08/1997	Hi-Q Electronics, Hyderabad	<u>Function Generator</u> 1 Hz to 1 MHz,	59	6091658	1	8700	8700	
4	18/01/2001	Systronics, Hyderabad	<u>Function Generator</u> 1 Hz to 1 MHz, Digital Readout	12287	2680, 2684, 2688,2692,2696	5	7400	39,827.08	
5	08/07/2003	Future Tech Instruments (P) Ltd., Secunderabad	<u>Function Generator</u> 1 Hz to 1 MHz	T-181	05032262, 263, 264, 265, 05032270	5	6,760.00	33,800.00	All Condemned
6	31/12/2006	Systronics,Hyd	<u>Function Generator</u> 1 Hz to 1 MHz, Digital Read out	671360	40614067	2	6,168.00	14,923.20	
7	30/03/2015	Systronics Hyd	<u>Function Generator</u> 2 MHz, Digital Read out	1515410047	FB031, 032, 033, 034, 035, 036, 037, 038, 039, 040	10	8,900.00	74,760.00	

Regulated Power Supplies

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	SI.NO.	Quantity	Unit cost	Total Cost with tax	Remarks
1	12/10/1996	Hi-Q Electronics, Hyderabad	<u>Regulated Power Supplies</u> 1) 0 - 300V, 100ma,2 Amp, Single Channel	273	9655209	1	4,250	04,641.00	Condemned
2	06/02/1997	Hi-Q Electronics,	<u>Regulated Power Supplies</u> 0 - 30 V, 2 Amp, Single	319	-	2	2,400.00	4992/-	All Condemned

		Hyderabad	Channel						
3	06/02/1997	Hi-Q Electronics, Hyderabad	<u>Regulated Power Supplies</u> 0 - 30 V, 2 Amp, Dual Channel	319	-	3	2,900/-	9,048/-	c.no 011- condemned
4	06/02/1997	Instrument Techniques Pvt.Ltd,Hyd	<u>Regulated Power Supplies</u> 0 - 30 V, 2 Amp, Dual Channel	319	-	1	3500/-	3640/-	
5	02/08/1997	Pacific Electronics Pvt.Ltd, Sec	<u>Regulated Power Supplies</u> 0 - 30 V, 2 Amp, Single Channel	429	-	6	2,385/-	34,611.20	c.no.014 condemned
6	27/01/2001	Hi-Q Electronics, Hyderabad	<u>Regulated Power Supplies</u> 0 - 30 V, 2 Amp, Dual Channel	429	010166, 167, 181	3	3960	12,355.20	
7	04/11/2003	Instrument Techniques Pvt.Ltd,Hyd	<u>Regulated Power Supplies</u> 0 - 30 V, 2 Amp, Dual Channel	123/03/04	0311020, 021, 022, 0311003, 004, 005	6	4600	28704	
8	21/11/2006	Instrument Techniques Pvt.Ltd,Hyd	<u>Regulated Power Supplies</u> 0 - 30 V, 2 Amp, Dual Channel	ITL/148/06/07	0611046, 047, 048, 049, 050, 051	6	5400	33696	
9	27/06/2007	Pacific Electronics Pvt.Ltd, Sec	<u>Regulated Power Supplies</u> 0 - 30 V, 2 Amp, Dual Channel	24	498306, 498406, 498506	10	3328/-	34,611.20	

Decade Resistance Box

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	SI.NO.	Quantity	Unit cost	Total Cost with tax	Remarks
1	12/10/1996	Pacific Electronics Pvt.Ltd, Sec	<u>Decade Resistance Box</u> 6 Decades, 1 Ω to 1 M Ω	273	9635482, 486	2	1500	3,276.00	Condemned
2	02/02/2007	Himalaya Electronics and Systems,Hyd	<u>Decade Resistance Box</u> 6 Decades, 1 Ω to 1 M Ω	24	35145, 146, 147, 150, 151, 152, 153, 154, 155, 157	10	1,075.00	10,750.00	All are Condemned
3	SR	6 dial, 1 Ohm	001	067 to 087	18-03-2024	3,900.00	20	92,040.00	

	Electronics, Hyderabad	to 1 MΩ							
								106,066.00	

Decade Capacitance Box

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	SI.NO.	Quantity	Unit cost	Total Cost with tax	Remarks
1	12/10/1996	Pacific Electronics Pvt. Ltd., Secunderabad	<u>Decade Capacitance Box</u> 4 Decades, 100 pF to 1000 kPF	273	967881	1	1525	1,665.30	Condemned
2	05/07/1997	Pacific Electronics Pvt. Ltd., Secunderabad	<u>Decade Capacitance Box</u> 6 Decades, 10 pF to 10 μF	008/97/98	9710172, 9710176, 9710181	3	2,700.00	8,002.80	Condemned
3	27/01/2001	Hi-Q Electronics, Hyderabad	<u>Decade Capacitance Box</u> 5 Decades, 100 pF to 10 μF	429		3	1,584.00	4,942.08	Condemned
4	02/02/2007	Himalaya Electronics and Systems, Hyd	<u>Decade Capacitance Box</u> 6 Decades, 10 Pf to 10 μf	24		12	1,800.00	21,600.00	Three condemned
5	18-03-2024	SR Electronics, Hyderabad	<u>Decade Capacitance Box</u> 6 Decades, 10 Pf to 10 μf	001	070 to 073	4	3,9000.00	18,408.00	
								54,618.18	

Decade Inductance Box

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	SI.NO.	Quantity	Unit cost	Total Cost with tax	Remarks
1	05/07/1997	Pacific Electronics Pvt. Ltd., Secunderabad	<u>Decade Inductance Box</u> 4 Decades, 0 mH to 10 H	008/97-98	9760377	1	2,650.00	2,618.20	

5	18-03-2024	SR Electronics, Hyderabad	6 Decades, 10 µH to 10 H	001	053 to 056	4	3,9000.00	18,408.00	
								21,026.20	

Digital Multimeters

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	SI.NO.	Quantity	Unit cost	Total Cost with tax	Remarks
1	09/07/2003	Future Tech Instruments (P) Ltd., Secunderabad	<u>Digital Multimeter</u> Transistor, Frequency, Capacitance hfe measure, Continuity test	T-196	312173, 175, 177, 540110, 540182	5	1,300.00	6,500.00	4 Condemned Working is 177
2	31/01/2007	Himalaya Electronics and Systems,Hyd	<u>Digital Multimeter</u> Transistor, Frequency, Capacitance hfe measure, Continuity test	23	632106, 107, 108, 109, 110, 701556, 557, 558, 559, 560	10	1,325.00	13,250.00	Two working- 110,557 remaining is Condemned
3	28/06/2007	Himalaya Electronics and Systems,Hyd	<u>Digital Multimeter</u> Transistor, Frequency, Capacitance hfe measure, Continuity test	9	707781, 782, 783, 784, 785		1,325.00	6,625.00	4 are condemned working is 784
								26,375.00	

Component Development System

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Quantity	Unit cost	Total Cost with tax	Remarks
1	06/02/1997	Hi-Q electronics - Hyderabad	Component Development system(analog and Digital Trainer	319	4	5650	23504	

IC Tester

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Quantity	Unit cost	Total Cost with tax	Remarks
1	19/08/2003	Feturetech	<u>Analog IC tester Feturetech</u>	T-412	1	13,000/-	13,520/-	Condemned

		instruments Hyd	<u>instruments (p)ltd,secunderabad</u>					
2	19/08/2003	Feturetech instruments Hyd	<u>Digital IC tester Feturetech instruments (p)ltd,secunderabad</u>	T-412	1	13,000/-	13,520/-	Condemned
3	11/05/2006	Mechtronics Test Equipment	Mechtronics Test Equipment,(i)Pvt ltd,Pune	30	1	15,516/-	17,500.50	Repaire
4	11/05/2006	Mechtronics Test Equipme	Mechtronics Test Equipment,(i)Pvt ltd,Pune	30	1	33,333/-	37,499.63	

Analog IC Trainer Kits

S.No	Date	Supplier	Equipment Name & Specifications	Bill No	Quantity	Unit cost	Total Cost with tax	Remarks
1	05/02/2007	Physitech Electronics Hyd	Analog Ic Application Trainer kit- Digital IC Trainer kits Physitech, Secundrabad	286	1	1,890/-	1965.60	
2	05/02/2007	Physitech Electronics Hyd	Analog Ic Application Trainer kit- Digital IC Trainer kits Physitech, Secundrabad	286	1	2,362/-	2456.48	
3	05/02/2007	Physitech Electronics Hyd	Analog Ic Application Trainer kit- Digital IC Trainer kits Physitech, Secundrabad	286	1	5,062/-	5,264/-	
4	05/02/2007	Physitech Electronics Hyd	Analog Ic Application Trainer kit- Digital IC Trainer kits Physitech, Secundrabad	286	1	4,185/-	4,352.40	
5	20/02/2007	Physitech Electronics Hyd	Electronic circuits Trainer kit instruments Amplifier Electronic, Secundrabad	308	1	1620/-	1684/-	

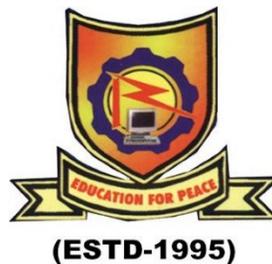
Stabilizer

S.no	Date	Supplier	Equipment Name & Specifications	Bill no	Quantity	Unit Cost	Total Cost	Remarks
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1	27/01/2001		Servo Controlled Voltage 5KVA	429	1	8384/-	8,719/-	
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**RGM COLLEGE OF ENGINEERING AND TECHNOLOGY
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**SIMULATION LAB - III
LABORATORY EQUIPMENT**



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S.No.	PARTICULARS	COST
1	Computers	2,290,176.73
2	DLP	67,500.00
		2,357,676.73

Computers

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Microcare Computers Pvt.Ltd., Hyderabad	<u>HP Compaq D290:</u> Intel 915 G Chipset, Intel Pentium IV 3.0 GHZ, 80 GB HDD, 512 MB DDR SD RAM, Optical Combo Drive, Standard Keyboard & Mouse, 17" HP 7540 CRT Monitor.	3141	27/01/2006	27,211.53	4	113,199.96	Condemned
2	Abacus Net-Comm Pvt. Ltd., Hyderabad	<u>IBM Think centers:</u> Intel 945 Gz Chipset Family, Intel Pentium IV 3.4 GHZ, 80 GB SATA HDD (7200 RPM), 512 MB DDR SD RAM, IBM Keyboard & Mouse, 17" Inches Color Monitor.	002	03/04/2006	30,500.00	8	244,000.00	Condemned
3	ABACUS Net-COMM,Sec	<u>IBM Lenevo:</u> Intel 945Gz Chipset Family, Dual Core 3.4 GHz with 4 MB Cache, 80 GB SATA HDD, 512 MB DDR SD RAM, IBM Keyboard & Mouse, 17" Color Monitor.	203	17/02/2007	27,187.50	4	113,100.00	Condemned
4	Locuz Enterprise Solutions Ltd, Hyderabad	<u>Dell (A0-745 G) OptiPlex 745 N:</u> Intel Q965 Express Chipset Mother Board, Intel Core 2 Duo 1.8 GHz, 1GB DDR2 SD RAM, 80 GB SATA HDD (7600 RPM), Dell key board & mouse, 15" Inches TFT monitor	H/104/2007-08	14/06/2007	32,211.54	8	268,000.01	Condemned
5	Microcare Computers Pvt.Ltd., Hyderabad	<u>HP Compaq DX 7380:</u> Intel Q 965 Express Chipset, Intel Core 2 Duo 1.86 GHz, 80 GB SATA HDD, 1 GB DDR 2 SD RAM, HP Keyboard & Optical Mouse, 15" Inches HP LCD Monitor	1052	07/07/2007	31,250.00	4	130,000.00	Condemned
6	Microcare Computers	HP Compaq DX 2255: AMD Athlom 64X2, Dual Core 2.2 GHZ,	1376	02-08-2007	26,442.00	3	82,499.04	Condemned

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
	Pvt.Ltd., Hyderabad	80 GB SATA HDD, 1 GB DDR 2 SD RAM, HP Keyboard & Optical Mouse, 15" Inches HP LCD Monitor						
7	Computer Center, Secunderabad	<u>i-Ball ComboSet</u> : Intel Dual Core 2.6 GHz, Inter 31 PR Board, 1 GB RAM, 256 GB HDD, 15.6" Acer LCD Monitor, i-Ball Keyboard & Mouse	1312	01/02/2010	15,280.00	1	15,280.00	Condemned
8	SKS Technologies, Nandyal	<u>Dell Inspiron 660S</u> : Dell 660S, Intel Pentium G36 Dual core 2.7 GHz, 2 GB DDR2 RAM, 500 GB SATA HDD, Dell Key board & Mouse, 17" LCD monitor	57	17/09/2012	26,700.00	3	80,100.00	Condemned
9	Micro care Computers Pvt.Ltd., Hyderabad	<u>HP Compaq DX 7380</u> : Intel Q 965 Express Chipset, Intel Core 2 Duo 1.86 GHz, 80 GB SATA HDD, 1 GB DDR 2 SD RAM, HP Keyboard & Optical Mouse, 15" Inches HP LCD Monitor	1052	07/07/2007	31,250.00	27	877,500.00	Received from DSL-II
10	Micro care Computers Pvt.Ltd., Hyderabad	<u>HP Compaq DX 7380</u> : Intel Q 965 Express Chipset, Intel Core 2 Duo 1.86 GHz, 80 GB SATA HDD, 1 GB DDR 2 SD RAM, HP Keyboard & Optical Mouse, 15" Inches HP LCD Monitor	1052	12/07/2007	31,250.00	1	32,500.00	Received from DSL-IV
11	Microcare Computers Pvt.Ltd., Hyderabad	<u>HP Compaq DX 2255</u> : AMD Athlon 64X2, Dual Core 2.2 GHz, 80 GB SATA HDD, 1 GB DDR 2 SD RAM, HP Keyboard & Optical Mouse, 15" Inches HP LCD Monitor	1376	02-08-2007	26,442.00	7	192,497.76	Received from DSL-IV
12	Microcare Computers Pvt.Ltd., Hyderabad	<u>HP Compaq D290</u> : Intel 915 G Chipset, Intel Pentium IV 3.0 GHz, 80 GB HDD, 512 MB DDR SD RAM, Optical Combo Drive,	3141	27/01/2006	27,211.53	5	141,499.96	Received from DSL-IV

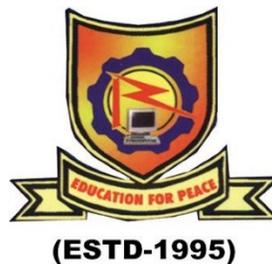
S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
		Standard Keyboard & Mouse, 17" HP 7540 CRT Monitor.						
							2,290,176.73	

DLP

S.No	Supplier	Name of the Equipment & Specifications	Bill No	Date	Unit cost	Quantity	Total cost with tax	Remarks
1	DIG Waves	Digital Light Projector (BENQ)	72	19/12/2005	67,500.00	1	67,500.00	Condemned

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INDEX

S.No.	PARTICULARS	COST
1	Computers	1,797,947.05
2	Software	83,843.95
3	DLP	67,500.00
		1,949,291.00

Computers

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Abacus Net-Comm Pvt. Ltd., Hyderabad	<u>IBM Think centers:</u> Intel 945 Gz Chipset Family, Intel Pentium IV 3.4 GHZ, 80 GB SATA HDD (7200 RPM), 512 MB DDR SD RAM, IBM Keyboard & Mouse, 17" Inches Color Monitor.	002	03/04/2006	30,500.00	18	549,000.00	Condemned
2	Abacus Net-Comm Pvt. Ltd., Hyderabad	<u>IBM Lenevo:</u> Intel 945Gz Chipset Family, Dual Core 3.4 GHz with 4 MB Cache, 80 GB SATA HDD, 512 MB DDR SD RAM, IBM Keyboard & Mouse, 17" Color Monitor.	203	17/02/2007	27,187.50	4	113,100.00	Condemned
3	Computer Center, Secunderabad	<u>i.-Ball ComboSet:</u> Intel Dual Core 2.6 GHz, Inter 31 PR Board, 1 GB RAM, 256 GB HDD, 15.6" Acer LCD Monitor, i-Ball Keyboard & Mouse	1312	01/02/2010	15,280.00	1	15,280.00	
4	CHS Computer Pvt. Ltd, Hyd	<u>Dell Optiplex-3020:</u> Optiplex 3020, Intel Core i5 4th Gen 3.7 Ghz, 4 GB DDR3 RAM, 500 GB SATA HDD, 18.5" LED WTFT Monitor Dell Keyboard & Mouse,	CHS/Dec/001	04/12/2014	44,185.00	1	46,394.25	Received from IOT Lab
5	CHS Computer Pvt. Ltd, Hyd	<u>ACER Veriton M200-G41:</u> Intel E6500 (2.93 GHz),2 GB DDR 3 RAM, 500 GB SATA HDD,15.6" TFT monitor, PS2 Key board & Optical Mouse.	CHS/Aug/0017	24/08/2012	17,724.00	16	297,760.00	Received from IOT Lab
6	NET Sys Computers, Hyderabad	<u>Dell OptiPlex -3010:</u> Dell 3010 Refurbished Desktop, Intel Core i7, 2nd Gen Processor,8 GB RAM, 500 GB HDD,19" Dell LED Monitor, Dell Key board and Mouse	289	11/07/2019	20,000.00	11	223,190.00	Received from IOT Lab
7	SKS Technologies, Nandyal	<u>Dell Inspiron 660S:</u> Dell 660S,Intel Pentium G36 Dual core 2.7 GHz, 2 GB DDR2 RAM,	57	17/09/2012	26,700.00	11	293,700.00	Received from IOT Lab

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
		500 GB SATA HDD, Dell Key board & Mouse, 17" LCD monitor						
8	SKS Technologies, Nandyal	Dell Inspiron 660S: Dell 660S, Intel Pentium G36 Dual core 2.7 GHz, 2 GB DDR2 RAM, 500 GB SATA HDD, Dell Key board & Mouse, 17" LCD monitor	57	17/09/2012	26,700.00	08	213,600.00	Received from DSL_II Lab
9	CHS Computer Pvt. Ltd, Hyd	HP ELITE System (8200): Intel Core i5, 2400 Processor, 4 GB RAM, 500 GB HDD, 20" TFT Monitor, HP Standard Key board & Optical Mouse,	CHS/June/2009	25/06/2012	43,736.00	1	45,922.80	Received from DSL_II Lab
							1,797,947.05	

Software

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Cranes Software International Ltd, Bangalore	CCS Software full version	CV096	29/11/2006	44,760.00	1	46,550.40	
2	Capricot Technologies, Pvt. Ltd, Hyd	SIMULINK 8.7	KASL1617/1003960	31/12/2016	15,474.50	2	37,293.55	
							83,843.95	

DLP

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	DIG Waves	Digital Light Projector (BENQ)	72	19/12/2005	67,500.00	1	67,500.00	condemned

R G M College of Engineering and Technology::Nandyal
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List of Laboratory Equipment

R G M College of Engineering and Technology:: Nandyal

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DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING

LABORATORY EQUIPMENT

R G M College of Engineering and Technology::Nandyal
Autonomous
List of Laboratory Equipment

INCUBATION CENTRE

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	CHS Computer Pvt. Ltd, Hyd	Computers Dell Optiplex-3020: Optiplex 3020, Intel Core i5 4th Gen 3.7 Ghz, 4 GB DDR3 RAM, 500 GB SATA HDD, 18.5" LED WFT Monitor Dell Keyboard & Mouse,	CHS/Dec/001	04/12/2014	44,185.00	1	46,394.25	
2	Edgate Technologies, Bangalore	ASLK Pro Schematic and Graph Book, Wire Jumper, Transistor and Diodes	20141061	12/12/2014	11,000.00	6	69,630.00	
3	Sami Refrigeration, Nandyal	Air Conditioner Carrier 1.5 Tons Split Airconditioner	601	26/07/2017	42,500.00	1	42,500.00	
4	CHS Computer Pvt.Ltd, Jagannadapuram	Computers 1) HP Z240: Z 240 Tower Workstation, Intel Xeon E3-1225V5 3.3 GHz, 16 GB DDR4 RAM, 1 TB Sata HDD, 24" HP LED Monitor, HP Key Board and Mouse.	CHS/SEP/001	11/09/2017	86,005.00	4	405,943.60	
		Computers 2) HP Z440: Z 440 Tower Workstation, Intel Xeon E5-2630V3 2.4 GHz, 32 GB DDR4 RAM, 2 TB Sata HDD, 24" HP LED Monitor, HP Key Board and Mouse.			1,69,500.00	1	200,010.00	
		3) Monitors (24 Inches LED)			10,000.00	5	64,000.00	
5	CHS Computer Pvt.Ltd, Jagannadapuram	UPS BR 1500 VA	CHS/SEPT/017	11/09/2017	12,495.00	1	14,744.10	
6	Robokits India	ESP 32 Development Board Wi-fi & Bluetooth	RKI/17/06/937	26/12/2017	825.00	15	14,749.32	
		XBEE S2C Low Power Module Wire Antenna for Zigbee Network			950.00	15	16,961.82	
7	Quantum Wise A/S, Denmark	Software ATOMISTIX Tool Kit With Virtual Nanolab	201701412	05/09/2018	3,55,169.64	2	710,339.28	

R G M College of Engineering and Technology::Nandyal
Autonomous
List of Laboratory Equipment

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
8	Sun Power Technologies, Hyd	<u>Air Conditioner</u> 1.5 Ton, 3 Star Rating	21	25/06/2018	40,000.00	1	40,000.00	
9	Rhydo Technologies Pvt.Ltd,Cochin	<u>Arduino Due</u> (Italy)	RT-18-01513	28/06/2018	2,789.00	20	66,293.40	
10	Rhydo Technologies Pvt. Ltd, Cochin	<u>Arduino Due</u> (Italy)	RT-18-01512	28/06/2018	2,789.00	15	49,838.04	
11	Dazzle Robotics Pvt. Ltd, Gujarath	<u>ESP 32 Development Board</u> Wi-fi & Bluetooth	DZR/18/040278	14/07/2018	725.00	30	26,100.00	
		<u>XBEE S2C Low Power Module</u> Wire Antenna for Zigbee Network			925.00	8	8,880.00	
12	Dazzle Robotics Pvt. Ltd, Gujarath	<u>XBEE S2C Low Power Module</u> Wire Antenna for Zigbee Network	DZR/18/040534	05/09/2018	925.00	22	24,013.00	
13	Dazzle Robotics Pvt. Ltd, Gujarath	<u>Sensors</u> 1) Ultrasonic Distance Measurement	DZR/18/040893	24/09/2018	490.00	20	11,564.00	
		2) LM35			70.00	20	1,652.00	
		3) Temperature Sensor Module			200.00	16	3,776.00	
		4) Air Quality and Hazardous Gas Sensor Module			123.00	20	2,902.80	
		5) Humidity and Temperature Sensor Module			120.00	20	2,832.00	
		6) Water Flow/Fluid Flow Meter			250.00	20	5,900.00	
		7) PIR Motion Detection Sensor Module			80.00	20	1,888.00	
		8) High Sensitivity Vibration sensor Module			360.00	20	8,496.00	
		9) 4 × 4 Universal 16 Keypad			125.00	20	2,950.00	
		10) Rotary Encoder Module			150.00	20	3,540.00	
14	Dazzle Robotics Pvt. Ltd, Gujarath	<u>Sensors</u> 1) Fuse Sensor	DZR/18/041717	12/10/2018	225.00	20	5,310.00	
		2) Temperature Sensor			200.00	4	944.00	
15	Sami Refrigeration, Nandyal	<u>Air Conditioner</u> Carrier 1.5 Ton Split, 3 Star Rating	99	13/11/2018	40,500.00	1	40,500.00	

R G M College of Engineering and Technology::Nandyal
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List of Laboratory Equipment

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
16	CHS Computer Pvt.Ltd, Hyderabad	Computers HP 24-AIO: 24-AIO Desktop, Intel Core i7 8th Gen 8700T 2.4 GHz, 32 GB DDR4 RAM, 2 TB SATA HDD, 23.8 Full HD LPS ZBD Screen, HP wireless key board with mouse, Windows 10 Genuine 64 bit OS	CHS/NOV/076	15/11/2018	1,01,900.00	3	360,726.00	
17	Techfluent Solutions Pvt. Ltd, Hyd	Software LAB VIEW (NI Academic License)	2018-19/22	10/12/2018	4,01,000.00	1	421,050.00	
		NI MYRIO Kit Includes			1,00,750.00	4	423,150.00	
18	Dazzle Robotics Pvt. Ltd, Gujarat	XBEE Explorer USB CP 2102 Based	DZR/19/06/79	10/04/2019	255.00	30	9,027.00	
		Sensor 1) TCS 3200 Based Colour Sensor Module			197.00	20	4,649.20	
		2) 10 DOF 3 Axis Gyro, Acceleration, Magnetometer & Air Pressure			880.00	10	10,384.00	
		3) RFID Reader/Writer, 13.6Mhz, RC522			200.00	20	4,720.00	
19	Dazzle Robotics Pvt. Ltd, Gujarat	XBEE Explorer USB CP 2102 Based	DZR/19/01137	19/04/2019	255.00	20	6,018.00	
		Sensor 10 DOF 3 Axis Gyro, Acceleration, Magnetometer & Air Pressure			880.00	10	10,384.00	
20	Dazzle Robotics Pvt. Ltd, Gujarat	Raspberry PI 4 Model B,4GB RAM	DZR/19/016815	13/01/2020	4,350.00	15	76,995.00	
Total amount							3,219,754.81	

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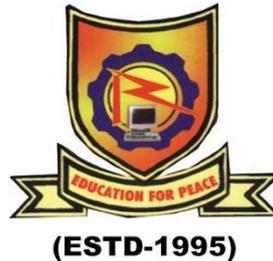
List of Laboratory Equipment

R G M College of Engineering and Technology :: Nandyal

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Accredited by NBA-New Delhi, Accredited by NAAC with Grade A+, New Delhi



DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING

LABORATORY EQUIPMENT

R G M College of Engineering and Technology::Nandyal
Autonomous
List of Laboratory Equipment

HOD CHAMBER (GENERAL)

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	The Gupta Trading Company, Nandyal	Color TV	1825	02/03/1996	8,900.00	1	8,900.00	
2	The Gupta Trading Company, Nandyal	Color TV RTV	819	30/07/1996	10,500.00	1	10,500.00	
3	BENQ DIG Waves Solutions Pvt Ltd,Hyd	Document Camera	72	19/12/2005	25,000.00	1	25,000.00	
4	Microcare Computers Pvt.Ltd., Hyderabad	Computers HP Compaq D290: Intel 915 G Chipset, Intel Pentium IV 3.0 GHz, 80 GB HDD, 512 MB DDR SD RAM, Optical Combo Drive, Standard Keyboard & Mouse, 17" HP 7540 CRT Monitor.	3141	27/01/2006	27,211.53	1	28,299.99	
5	Voltas Ltd, Secbad	Air Conditioner 1.5 Tons Split Air Con (M)	8114008	24/06/2006	19,111.00	1	21,456.49	
6	Locuz Enterprise Solutions Ltd, Hyderabad	Computers Dell (A0-745 G) OptiPlex 745 N: Intel Q965 Express Chipset Mother Board, Intel Core 2 Duo 1.8 GHz, 1GB DDR2 SD RAM, 80 GB SATA HDD (7600 RPM), Dell key board & mouse, 15" Inches TFT monitor	H/104/2007-08	14/06/2007	32,211.54	1	33,500.00	
7	Microcare Computers Pvt.Ltd., Hyderabad	Computers HP Compaq DX 7380: Intel Q 965 Express Chipset, Intel Core 2 Duo 1.86 GHz, 80 GB SATA HDD, 1 GB DDR 2 SD RAM, HP Keyboard & Optical Mouse, 15" Inches HP LCD Monitor	1052	07/07/2007	31,250.00	1	32,500.00	

R G M College of Engineering and Technology::Nandyal
Autonomous
List of Laboratory Equipment

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
8	DiG Waves Solutions, Secunderabad	Laptop Intel T2080, 1.73 GHz Processor, 1 GB RAM, 80 GB Hard Disk, 14" Monitor	165	27/07/2007	37,500.00	3	112,500.00	
9	NELSYS Marketing/IT Solutions, Nellore	Camera 7.2 Mega Pixles	32480257	10/12/2007	12,700.00	1	12,700.00	
		Handicam 10 E	32480257	17/12/2008	39,803.00	1	39,803.00	
10	-	Computers Dell OptiPlex 330: Intel G33/G31 Chipset Family, Intel Core 2 Duo 2.4 GHz, 1 GB DDR2 SD RAM, 160 GB SATA HDD (7600 RPM), Dell key board & mouse, 18.5" TFT monitor	-	17/01/2009	56,160.00	1	56,160.00	
11	Computer Center, Secunderabad	Computers i-Ball Comboset: Intel Dual Core 2.6 GHz, Inter 31 PR Board, 1 GB RAM, 256 GB HDD, 15.6" Acer LCD Monitor, i-Ball Keyboard & Mouse	1312	01/02/2010	15,280.00	4	61,120.00	
12	CHS Computer Pvt.Ltd, Hyd	Computers ACER Veriton M200-G41: Intel E6500 (2.93 GHz), 2 GB DDR 3 RAM, 500 GB SATA HDD, 15.6" TFT monitor PS2 Key board & Optical Mouse.	CHS/Aug/0017	24/08/2012	17,724.00	5	93,051.00	
13	PRS computers, Nandyal	Computers Intel 4590: Intel 4th Generation 4590, Core i5 3.7 GHz, 4 GB DDR3 RAM, 500 GB HDD, 2GB Graphics Card, 18.5 LED Monitor, USB Key Board & Mouse.	1699	16/12/2014	48,352.50	4	193,410.00	

R G M College of Engineering and Technology::Nandyal
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List of Laboratory Equipment

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
14	PRS computers, Nandyal	Printer All in one Printer (Inkjet Color)	1944	20/02/2015	9,525.00	1	10,001.25	
15	PRS computers, Nandyal	Computers Intel 4590: Intel 4th Generation 4590, Core i5 3.7 GHz, 4 GB DDR3 RAM, 500 GB HDD, 2GB Graphics Card, 18.5 LED Monitor, USB Key Board & Mouse.	1945	20/02/2015	46,050.00	3	145,057.50	
16	RK Computers, Nandyal	UPS 600 V.A	2370	07/08/2015	2,500.00	1	2,500.00	
17	PRS computers, Nandyal	Scanner	1022	03/11/2016	4,300.00	1	4,300.00	
18	RK Computers, Nandyal	Printer LaserJet	1646	20/03/2017	14,850.00	1	14,850.00	
19	PRS computers, Nandyal	UPS 600 V.A	1399	29/06/2017	2,200.00	1	2,200.00	
20	PRS Computers, Nandyal	Laptop I5 Processor, 8 GB RAM, 1 TB Hard Disk	335	05/02/2018	57,000.00	1	57,000.00	
21	CHS Computer Pvt.Ltd, Jagannadapuram	Digital Light Projector HSN/SAC Code: 8528	CHS/Mar/070	27/03/2018	23,039.00	2	58,979.84	
22	The Guptha Trading Company Nandyal	Color TV LED	750	19/06/2018	39,062.50	1	50,000.00	
23	New Bharath Technologies, Nandyal	Printer All in One	367	14/11/2018	29,200.00	1	29,200.00	
24	PRS computers, Nandyal	HDMI Cable 15 Mtrs	1223	23/09/2019	1,250.00	1	1,250.00	
25	Online Purchase	Laptop I5 Processor, 8 GB RAM, 1 TB Hard Disk,	1659 RAJ1920	20/12/2019	58,490.68	1	69,019.00	
Total amount							1,173,258.07	

RGM College of Engineering and Technology :: Nandyal

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DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING

LABORATORY EQUIPMENT

R G M College of Engineering and Technology::Nandyal
Autonomous
List of Laboratory Equipment

TRANSFER TO OTHER DEPT. EQUIPMENT

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Dig Waves Solutions,	Digital Light Projector (MP 610)	366	24/03/2006	64,050.00	34	2,177,700.00	Transfer to all Lecturer halls
2	DIG Waves Solutions Pvt Ltd, Hyderabad	Tablet Monitor (Penstar)	372	31/03/2006	63,336.00	12	760,032.00	12 Nos Transfer (EEE-2, EIE-2, IT-2, CSE-2, ME-2, Basic Science-1, Online Attendance-1)
3	DIG Waves Solutions Pvt Ltd, Hyd	Ceiling Mount Cables (VGA Power)	43A	22/04/2006	2,520.00	40	100,800.00	Transfer Class rooms
4	Peridot Technologies, Hyd	Arbitrary Function Generator 100 Mhz, 2 Channel With Standard Accessories	PT-122/06-07	24/05/2006	-	1	-	Transfer to EIE Department
5	ABACUS Net-COMM,Sec	Computers IBM Lenevo: Intel 945Gz Chipset Family, Dual Core 3.4 GHz with 4 MB Cache, 80 GB SATA HDD, 512 MB DDR SD RAM, IBM Keyboard & Mouse, 17" Color Monitor.	203	17/02/2007	27,187.50	27	763,425.00	20 Nos Transfer to IT Department, 7 Nos Transfer to CSE Department
6	Locuz Enterprise Solutions Ltd, Hyderabad	Computers Dell (A0-745 G) OptiPlex 745 N: Intel Q965 Express Chipset Mother Board, Intel Core 2 Duo 1.8 GHz, 1GB DDR2 SD RAM, 80 GB SATA HDD (7600 RPM), Dell key board & mouse, 15" Inches TFT monitor	H/104/2007-08	14/06/2007	32,211.54	1	33,500.00	1 No Transfer to Maths
7	DiG Waves Solutions, Secunderabad	Laptop Intel T2080, 1.73 GHz Processor, 1 GB RAM, 80 GB Hard Disk, 14' Monitor	165	27/07/2007	37,500.00	3	112,500.00	3 Nos Transfer to DSP, DSN, Ravi

R G M College of Engineering and Technology::Nandyal
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List of Laboratory Equipment

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
8	-	Computers Dell OptiPlex 330: Intel G33/G31 Chipset Family, Intel Core 2 Duo 2.4 GHz, 1 GB DDR2 SD RAM, 160 GB SATA HDD (7600 RPM), Dell key board & mouse, 18.5" TFT monitor	-	17/01/2009	56,160.00	1	56,160.00	6 Nos Received from SREC, 1 No HOD Room, 1 No Mathematics
9	Astra Technologies, Bangalore	Display Board Display Board Semi Outdoor Display, 10X2 Sqft.	40549	01/06/2011	1,12,000.00	1	106,400.00	AO Office
10	CHS Computer Pvt.Ltd, Hyd	Computers Dell Optiplex-3020: Optiplex 3020, Intel Core i5 4th Gen 3.7 Ghz, 4 GB DDR3 RAM, 500 GB SATA HDD, 18.5" LED WTFT Monitor Dell Keyboard & Mouse,	CHS/Dec/001	04/12/2014	44,185.00	3	139,182.75	3 Nos Transfer (Academic Section, Principal office, G.V.Ravi Sekhar)
11	PRS computers, Nandyal	Printer (All in One)	1511	18/07/2017	16,000.00	1	16,000.00	Principal Office
12	Fathuraa, Bangalore	Cushion Chair	82	24/09/2018	945.00	1	6,425.10	AO Office
Total amount							4,272,124.85	

UPS

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	Sunpower Technologies	RT 6 KVA UPS IPH/1PH, 26 AH Batteries, Rack and Links	SPT 23-24/216	23-08-2023	99,360.00	1	1,68,430.00	

People Link Speaker Track Pro Camera

S.No	Supplier	Equipment Name & Specifications	Bill No	Date	Unit cost	Quantity	Total Cost with tax	Remarks
1	RH Network Solutions, Kurnool	People Link Speaker Track Pro Camera	RH/2024-25/C/019	27-08-2024	1,91,750.00	1	226,265.00	
2	RH Network Solutions, Kurnool	Peoplelink speaker bar	RH/2024-25/C/019	27-08-2024	7,990.00	1	9,428.20	

School of Computer Science Engineering

All Labs equipment Cost: Rs. 2,40,72,467/-

List of Server and its Specifications in Dept. of CSE :- Total Servers: 10

S.No	Specification	Cost	Qty	Total
1	<p>HP Servers Specification</p> <p>Intel Xeon Dual Core 3.0GHz with HT EM 64Technology Total 2 Processors, 1333 FSB, 2*2 MB L2 Cache, Intel 5000 Chipset 8 GB PC2-5300 667 MHz Ram Expandable 48 GB With 12 DIMM Slots 4 * 146 GB SAS 10k rpm Hotswap HDD with Raid 0,1 planner,6 USB ,1 Serial , 2 Ethernet, 1 RJ 45 Combo Drive , 16 MB SDR Graph Memory 10/100/1000 MBPs Integrated Wake-on LAN supported NIC Form Factor Rack Server, Redundant Power Supply, Redundant Hot Swappable, Baseboard Systems Management.</p>	2,10,000	01	2,10,000/-
2	<p>DELL Servers Specification</p> <p>Intel Xeon Dual Core 3.0GHz with HT EM 64 Technology Total 2 Processors, 1333 FSB, 2*2 MB L2 Cache, Intel 5000 Chipset 8 GB PC2-5300 667 MHz Ram Expandable 48 GB With 12 DIMM Slots 4 * 146 GB SAS 10k rpm Hotswap HDD with integrated Raid 0,1 planner,6 USB,1 Serial , 2 Ethernet, 1 RJ 45 Combo Drive , 16 MB SDR Graph Memory 10/100/1000 MBPs Integrated Wake-on LAN supported NIC Form Factor Rack Server, Redundant Power Supply, Redundant Hot Swappable, Baseboard Systems Management</p>	2,93,269.23	05	15,25,000/-
3	<p>Sun Fire X 4200 M2 Server</p> <p>2 X 64 Bit Dual Core Processors Model 2220 SE 8 GB RAM Four Slots for CPU Socket , DDR2/ 667 ECC Registered 4 X 73 GB 10000 RPM SAS HDD , Four Channel SAS Interface DVD Writer 10/100/1000 T- Ethernet Ports , 64 Bit 133 MHz PCI- X slot Hardware Monitoring , OS Monitoring Slide Rail Kit with Cable Management SUN Key Board / Mouse , Certify With Microsoft ,Solaris , Linux</p>	<p>5,04,807.69 + 4 % VAT</p>	2	10,50,000/-



4	IBM AIX Server IBM OS software – A13 -980 OPAIX V 5.3/8520 A13-981 SR Server p5510 A13-979 0890 Days SWMA, NewD5/E5-A13-982	4,10,800	1	4,10,800/-
5	IBM Server IBM X3500 Server-797792 ^a Intel Xeon 3.0 GHz /13333 FSB 4 MB Cache /8 GB RAM / DVD ROM 148GB * 3 15k RPM HDD 39y8487 Redundant Power Supply IBM USB Key Board , IBM Optical Mouse	3,26,923.08 + 4%VAT	1	3,39,999/-
Total				44,35,799/-

**School of Computer Science Engineering****List of Desktops and its Configuration in CSE LAB 1:- Total Desktops: 60**

S.No	Specification	Cost	Qty	Total
1	Dell 3010 Desktops Inter Core I7, 2.6 GHz 2 nd Generation, 8 GB DDR-3 RAM, 500 GB HDD, 19" Dell LED Monitor, Dell Key Board & Dell Mouse.	20,000/-	60	12,00,000/-
		Total	60	12,00,000/-

**School of Computer Science Engineering****List of Desktops and its Configuration in CSE LAB 2:- Total Desktops: 60**

S.No	Specification	Cost	Qty	Total
1	Dell OptiPlex 3046 Desktops Intel Core I5 with 7 th Generation, 8 GB DDR-4 RAM, 1 TB HDD, 19" Dell LED Monitor, Dell Key Board and Mouse.	40,400.00 + 5% VAT	50	21,21,000/-
2	Dell 3010 Desktops Inter Core I7, 2.6 GHz 2 nd Generation, 8 GB DDR-3 RAM, 500 GB HDD, 19" Dell LED Monitor, Dell Key Board & Dell Mouse.	20,000/-	10	2,00,000/-
		Total	60	23,21,000/-

**School of Computer Science Engineering****List of Desktops and its Configuration in CSE LAB 3:- Total Desktops: 70**

S.No	Specification	Cost	Qty	Total
1	Dell 3010 Desktops Inter Core I7, 3.4 GHz 4 th Generation, 8 GB DDR-3 RAM, 1 TB HDD, 20" Dell LED Monitor, Dell Key Board & Dell Mouse.	26,000/-	70	18,20,000/-
		Total	70	18,20,000/-



School of Computer Science Engineering

List of Desktops and its Configuration in CSE LAB 4:- Total Desktops: 70

S.No	Specification	Cost	Qty	Total
1	Dell 3010 Desktops Inter Core I7, 3.4 GHz 4 th Generation, 8 GB DDR-3 RAM, 1 TB HDD, 20" Dell LED Monitor, Dell Key Board & Dell Mouse.	27,000/-	70	18,90,000/-
		Total	70	18,90,000/-



School of Computer Science Engineering

List of Desktops and its Configuration in Project LAB :- Total Desktops: 75

List of Desktops and its Configuration in Research & Development LAB:- Total Desktops: 12

S.No	Specification	Cost	Qty	Total
1	Dell 3010 Desktops Inter Core I7, 2.6 GHz 4 th Generation, 8 GB DDR-3 RAM, 1 TB HDD,20" Dell LED Monitor, Dell Key Board & Dell Mouse.	20,000/-	68	13,60,000/-
2	Acer Veriton M200 Desktops Intel Pentium G4400, 3.3 GHz 4 GB DDR-4 RAM, 1 TB HDD,18.5" Acer LED Monitor, Acer Key Board & Mouse.	22,700/- +18% IGST	07	1,87,502/-
3	Dell Inspiron 4150 Laptops Intel Dual Core L2400,1.6 GHz 512 MB DDR-2 RAM, 60 GB HDD,Combo Drive, Wireless & Bluetooth.	37,500/- +4% VAT	08	3,12,000/-
4	IBM ThinkPad R60 Intel Dual Core L2400,1.6 GHz 512 MB DDR-2 RAM, 60 GB HDD,Combo Drive, Wireless & Bluetooth.	55,288.46/- +4% VAT	02	1,15,000/-
5	HP PavilionTM2 2102 Touch Smart Intel Core I3,1.33 GHz 3 GB DDR-3 RAM,320 GB HDD, 12" Diagonal High Definition HP Bright View Touch Screen.	39,000/-	02	78,000/-
		Total	87	20,52,502/-



RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

School of Computer Science Engineering

List of Licensed Software's in Dept. Of CSE

1 System Software:	Cost	QTY	Total
1. Windows NT Server V 4.0 With 45 Users	6,000	05	30,000
2. Red Hat Linux 9.0 Prof FPP.	9,000	01	9,000
3. Fedora Core – 7	Open Source		-
4. Win 98 SE - 10 Users	3,650	10	36,500
5. Microsoft Windows 2000 Advanced Server	410	40	16,400
6. Sun Solaris	Open Source		-
7. IBM Power Academy Program , Aix OS	Open Source		-
<u>2 Application Software:</u>			
1. Ms-Visual Studio 6.0 (Academic Version) - 5 Users	6,000	05	30,000
2. Borland Jbuilder 4.0 Prof.	14,000	01	1,40,000
3. Oracle 8.I for Windows Nt (Academic Version) With 5 Users.	24,000	02	48,000
4. Ms-Office 2000 (Academic Version).	12,000	01	12,000
5. Borland Turboc++ Suit.	14,000	01	14,000
6. Rational Suit Enterprise	3,00,000	01	3,00,000
7. Nag C Library On Windows	73,500	01	73,500
8. Mathematica Professional Version 5.2	75,000	05	1,50,000
9. Add On Products For Mathematica	1,00,000	01	1,00,000
10. IDL (Interactive Data Language)	45,000	01	45,000
11. McAfee Virus Scan Enterprise Version 8.I	1,060	250	2,65,000
12. Symantec Anti Virus	1,175	250	2,93,750
13. Informatica Power Center	8,35,000	-	8,35,000
14. Adobe Cs2 Premium	11,400	80	9,48,480
15. Oracle 10g Standard One Edition	4,05,000	--	4,05,000
16. Simscript	35,000	10	3,50,000
17. Adobe Flash Professional	69,809	--	69,809
18. Oracle 9i Training KIT	2,472	100	2,47,207
Microsoft Campus Agreement for 2011-2012			1,25,000
GEMS Learning Resources Professional Licenses			4,49,440

TekEdge Software			2,50,000
Microsoft Campus Agreement for 2012-2013			1,57,163
IBM Rational Seed for Quality & Training			3,04,205
Microsoft Campus Agreement for CSE Department 2013-2016			1,47,472
Microsoft Campus Agreement for 2014-2015			2,23,214
100 Nos (KW9-00311) Microsoft win home 10 Single Academic OLP 1 Licenses 2015-2017			8,53,598
100 Nos (KW9-00359) Microsoft win home 10 Single Academic OLP 1 Licenses 2017-2020			4,60,478
Office Std 2019 SNGL OLP NL Academic OLP 1 Licenses 021-10 597(03.10-2019)		100	8,96,800
Microsoft Win 10 Pro SNGL Upgraded OLP NL Academic FQC-09512 .(03-10-2019)		100	
Microsoft GGWA-Windows 11Pro Legalisation Soft	12600+18 %GST	20	297360
Microsoft GGA-Windows 11 Pro Legalisation Software	14600/- +18% GST	30	516840
Total			90,08,316



RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

School of Computer Science Engineering

List of Peripherals in the Dept of CSE

S.No	Specification	Cost	Qty	Total
1	HP 3030 Laser Jet All in One	20,400	1	20,400
2	HP 1320 Duplex Printer	16,900	2	33,800
3	TVSE MSP Dot Matrix Printers	13,665	01	13,665
4	HP Business Inkjet 1200 Printers	7,000	01	7,000
5	HP 1020 Laser Jet Printers	7,400	03	22,200
6	HP Scan Jet 4370 Scanner	6,200	01	6,200
7	ATEn Switches	21,000	02	42,000
8	Server Racks	42,000	02	84,000
9	Delta UPS 20 KVA	2,14,000	02	4,28,000
10	Deltek UPS 20 KVA	1,20,000	03	3,60,000
11	Delat UPS 10 KVA UPS	85,000	01	85,000
12	HP Scanner(R & D)	3,625	01	3,625
13	Hp Laserjet 400 M Printer(R & D)	29,900	01	
14	HP Scanjet N360 (R & D)	40,700	01	74,130
15	Canon Image Class MF244dw Laser Printer	22,500	1	22,500
16	Epson Inkjet L565 Printer	16,900	1	16,900
17	HP Laser 108W Printer	11,500	1	11,500
18	HP Laser 108W Printer	13,030	1	13,030
19	Canon LBP2900B Printer	11,300	1	11,300
20	Canon LBP2900B Printer	12,500	1	12,500
21	HP Laserjet M1005 MFP Printer	14,600	1	14,600
22	Canon LBP2900B Printer	12,500	5	62,500
Total				13,44,850



Rajeev Gandhi Memorial College of Engineering and Technology
(Autonomous)
Department of CSE (Data Science)

S. No	Name of the Lab	Cost
1	Programming Lab (Lab-1)	25,74,068.00/-
2	Big Data Lab (Lab-2)	14,20,814.30/-
3	Cloud Computing Lab (LAB -3)	14,20,814.30/-
4	Computer Vision Lab (LAB -4)	14,20,814.30/-
5	Deep Learning / Machine Learning Lab (LAB -5)	14,20,814.30/-
6	IT Workshop	15,31,592/-
7	Networking & Furniture	33,48,541.96/-
Total Amount (Rs.)		1,31,37,459.16/-

Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal
Department of CSE (Data Science)
PROGRAMMING LAB (LAB -1)
Total Cost of equipment: Rs. 25,74,068.00

S.No	Name of the Equipment	Specifications	Unit Cost	Qty	Total Cost with GST
1.	Computers	Model Dell OptiPlex 7040, Processer intel corei7 6 th Generation ,Ram 32 GB DDR4 ,SSD 1 TB, Graphics Card NVIDI 4 Gb, Monitor 18.5 Dell LED, Keyboard Dell, Mouse Dell optical	24,680.00	18	5,24,203.20
2	Computers	Model Dell OptiPlex 7040, Processer Intel corei7 6 th Generation ,Ram 16 GB DDR4 ,SSD 512 GB , Graphics Card NVIDI 2 Gb, Monitor 18.5 Dell LED, Keyboard Dell, Mouse Dell optical	21,500.00	54	13,69,980.00
3	Chairs	Class Chairs	2,600.00	72	2,20,896.00
4	Network connectors	RJ45-JACKS, IO FACE PLATES	75.00	72	6,372.00
5	Network cards	CAT 6 PATCH CARDS,	163.00	72	13,848.48
6	Network Box	R&M CAT6 I/O (INFORMATION AND OUTLETS)	170.00	72	14,443.2.00
7	Network Box	R&M BACK BOXES	46.00	72	3,908.16
8	Camera	HIKVISION DS-2CD1323G0E-I 4M 4MM LENS IP FIXED DOME CAMERA	3545.00	2	8,366.20
9	Junction box	V-Guard 5 Mtrs Power Strips	635.00	1	750.00
10	Tube Lights	LED Lights 60W	1500	16	28320.00
11	Fans	Crompton	2100	8	19824.00
12	AC	Carrier	160000	2	377600.00



PROGRAMMING LAB (LAB -1)

Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal

Department of CSE (Data Science)

BIG DATA LAB (LAB -2)

Total Cost of equipment: Rs. 14,20,814.30

S.No	Name of the Equipment	Specifications	Unit Cost	Qty	Total Cost with GST
1.	Computers	Model Dell OptiPlex 7040, Processor intel corei7 6 th Generation ,Ram 32 GB DDR4 ,SSD 1 TB,Graphics Card NVIDIA 4 Gb,Monitor 18.5 Dell LED,Keyboard Dell,Mouse Dell optical	24,680.00	35	10,19,284.00
2	Chairs	Class Chairs	2,600.00	35	1,07,380.00
3	Network connectors	RJ45-JACKS, IO FACE PLATES	75.00	35	3,097.50
4	Network cards	CAT 6 PATCH CARDS,	163.00	35	6,731.9
5	Network Box	R&M CAT6 I/O (INFORMATION AND OUTLETS)	170.00	35	7,021.00
6	Network Box	R&M BACK BOXES	46.00	35	1900.00
7	TV	Brand:NU, Model No/Year: LED65QUGNX/2023, Equipment Type: ULTRAHD/4K TV, SCREEN SIZE:165 CM, ANNUAL ENERGY CONSUMPTION(KWH)/YEAR:256.0(3 STAR) BEE/GAM/25/0042/23 LED65QUGNXW231100575	38000	1	44840.00
8	TV Stand	Iron Heavy Guage powder coated TV stand with moving 40''-86'' Inches	9,930.00	1	13504.80
9	Camera	HIKVISION DS-2CD1323G0E-I 4M 4MM LENS IP FIXED DOME CAMERA	3545.00	1	4183.10
9	Tube Lights	LED Lights	1500	8	14160.00
10	Fans	Crompton	2100	4	9912.00
11	AC	Carrier	160000	1	1,88,800.00



BIG DATA LAB (LAB -2)

Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal

Department of CSE (Data Science)

CLOUD COMPUTING LAB (LAB -3)

Total Cost of equipment: Rs. 14,20,814.30

S.No	Name of the Equipment	Specifications	Unit Cost	Qty	Total Cost with GST
1.	Computers	Model Dell OptiPlex 7040, Processor intel corei7 6 th Generation ,Ram 32 GB DDR4 ,SSD 1 TB,Graphics Card NVIDI 4 Gb,Monitor 18.5 Dell LED,Keyboard Dell,Mouse Dell optical	24,680.00	35	10,19,284.00
2	Chairs	Class Chairs	2,600.00	35	1,07,380.00
3	Network connectors	RJ45-JACKS, IO FACE PLATES	75.00	35	3,097.50
4	Network cards	CAT 6 PATCH CARDS,	163.00	35	6,731.9
5	Network Box	R&M CAT6 I/O (INFORMATION AND OUTLETS)	170.00	35	7,021.00
6	Network Box	R&M BACK BOXES	46.00	35	1900.00
7	TV	Brand:NU, Model No/Year: LED65QUGNX/2023, Equipment Type: ULTRAHD/4K TV, SCREEN SIZE:165 CM, ANNUAL ENERGY CONSUMPTION(KWH)/YEAR:256.0(3 STAR) BEE/GAM/25/0042/23 LED65QUGNXW231100575	38000	1	44840.00
8	TV Stand	Iron Heavy Guage powder coated TV stand with moving 40"-86" Inches	9,930.00	1	13504.80
9	Camera	HIKVISION DS-2CD1323G0E-I 4M 4MM LENS IP FIXED DOME CAMERA	3545.00	1	4183.10
9	Tube Lights	LED Lights	1500	8	14160.00
10	Fans	Crompton	2100	4	9912.00
11	AC	Carrier	160000	1	1,88,800.00



CLOUD COMPUTING LAB (LAB -3)

Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal
Department of CSE (Data Science)
Computer Vision Lab (LAB -4)
Total Cost of equipment: Rs. 14,20,814.30

S.No	Name of the Equipment	Specifications	Unit Cost	Qty	Total Cost with GST
1.	Computers	Model Dell OptiPlex 7040, Processer intel corei7 6 th Generation ,Ram 32 GB DDR4 ,SSD 1 TB,Graphics Card NVIDI 4 Gb,Monitor 18.5 Dell LED,Keyboard Dell,Mouse Dell optical	24,680.00	35	10,19,284.00
2	Chairs	Class Chairs	2,600.00	35	1,07,380.00
3	Network connectors	RJ45-JACKS, IO FACE PLATES	75.00	35	3,097.50
4	Network cards	CAT 6 PATCH CARDS,	163.00	35	6,731.9
5	Network Box	R&M CAT6 I/O (INFORMATION AND OUTLETS)	170.00	35	7,021.00
6	Network Box	R&M BACK BOXES	46.00	35	1900.00
7	TV	Brand:NU, Model No/Year: LED65QUGNX/2023, Equipment Type: ULTRAHD/4K TV, SCREEN SIZE:165 CM, ANNUAL ENERGY CONSUMPTION(KWH)/YEAR:256.0(3 STAR) BEE/GAM/25/0042/23 LED65QUGNXW231100575	38000	1	44840.00
8	TV Stand	Iron Heavy Guage powder coated TV stand with moving 40"-86" Inches	9,930.00	1	13504.80
9	Camera	HIKVISION DS-2CD1323G0E-I 4M 4MM LENS IP FIXED DOME CAMERA	3545.00	1	4183.10
9	Tube Lights	LED Lights	1500	8	14160.00
10	Fans	Crompton	2100	4	9912.00
11	AC	Carrier	160000	1	1,88,800.00



Computer Vision Lab (LAB -4)

Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal

Department of CSE (Data Science)

DEEP LEARNING / MACHINE LEARNING LAB (LAB -5)

Total Cost of equipment: Rs. 14,20,814.30

S.No	Name of the Equipment	Specifications	Unit Cost	Qty.	Total Cost with GST
1.	Computers	Model Dell OptiPlex 7040, Processor intel corei7 6 th Generation ,Ram 32 GB DDR4 ,SSD 1 TB,Graphics Card NVIDIA 4 Gb,Monitor 18.5 Dell LED,Keyboard Dell,Mouse Dell optical	24,680.00	35	10,19,284.00
2	Chairs	Class Chairs	2,600.00	35	1,07,380.00
3	Network connectors	RJ45-JACKS, IO FACE PLATES	75.00	35	3,097.50
4	Network cards	CAT 6 PATCH CARDS,	163.00	35	6,731.9
5	Network Box	R&M CAT6 I/O (INFORMATION AND OUTLETS)	170.00	35	7,021.00
6	Network Box	R&M BACK BOXES	46.00	35	1900.00
7	TV	Brand:NU, Model No/Year: LED65QUGNX/2023, Equipment Type: ULTRAHD/4K TV, SCREEN SIZE:165 CM, ANNUAL ENERGY CONSUMPTION(KWH)/YEAR:256.0(3 STAR) BEE/GAM/25/0042/23 LED65QUGNXW231100575			
8	TV Stand	Iron Heavy Guage powder coated TV stand with moving 40''-86'' Inches	9,930.00	1	13504.80
9	Camera	HIKVISION DS-2CD1323G0E-I 4M 4MM LENS IP FIXED DOME CAMERA	3545.00	1	4183.10
9	Tube Lights	LED Lights	1500	8	14160.00
10	Fans	Crompton	2100	4	9912.00
11	AC	Carrier	160000	1	1,88,800.00



DEEP LEARNING / MACHINE LEARNING LAB (LAB -5)

Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal
Department of CSE (Data Science)

IT WORKSHOP
Equipment details and Cost

S.No.	Name of the Equipment	Configuration	No. of Units	Unit Cost (Rs)	Total Cost (Rs)
1	Desktop Computer	Optiplex 3040, Intel Core i3, 6100 3.7 GHz CPU, 4 GB DDR3, 500 GB SATA, 19.5 " Monitor	11	32000/-	352000/-
2	IT Repair Workbench	6 * 4 ft	11	45000/-	495000/-
3	IT Workbench Tools and Accessories	Tools and Accessories (Crimping Tool, CAT 6 Cutter, Screwdriver Kit, Measuring Tape, Cutting Plier, Nose Plier, Wire Stripper, Twizzers, Multimeter, LAN Tester, Voltage Tester.)	12	16546/-	198552/-
4	UPS	10 KVA	01	87500/-	87500/-
5	Batteries	26 AH	20	2450/-	49000/-
6	Rack and Links		01	4500/-	4500/-
7	Inverter	AmaronHB 1250 VA	01	6900/-	6900/-
8	Battery	Amaron Tubular 12 V/150AH	01	13800/-	13800/-
9	Battery Trolley	Stand	01	2500/-	2500/-
10	Networking Equipment	Networking establishment			59845/-
11	Electrical	Ceiling Fans, Tube lights and other allied appliances			118235/-
12	POP False Ceiling Work	1800 Sq ft			72000/-
13	Paint Work	Asian Paints			71760/-
				Total Cost (Rs)	15,31,592/-

Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal

Department of CSE (Data Science)

PROCUREMENT DETAILS

Total Cost of equipment: Rs. 33,48,541.96

Networking: Switches, Racks & RJ45 Units:

S.No	Name of the Equipment	Configurations	Qty.	Total Cost
1	NETWORK PRODUCTS	CISCO 24 PORT SWITCH CBS350-24T -4G. S/NO: FOC2725YCWS, YCWT, YANP, YB13, YBFE, YCG0, FOC2727YGNJ, FOC2728Y0TN, FOC2720Y627, Y5P9, FOC2720Y60J.	11	300487.00
2		R&M CAT6 LAN CABLE 305 MTRS BOX	22	200671.00
3		NETRACK 15U WALL RACK FULLY LOADED	02	13310.40
4		NETFOX 42U SERVER FLOOR RACK FULLY LOADED	01	46669.00
5		R&M CAT6 24 PORT JACK PANEL FULLY LOADED	11	47377.00
6		R&M CAT6 I/O (INFORMATION AND OUTLETS)	230	46138.00
7		R&M SINGLE FACE PLATES	230	20335.00
8		R&M BACK BOXES	230	12484.40
9		R&M CAT6 1 MTR PATCH CARDS	240	46161.60
10	NETWORK PRODUCTS	R&M CAT6 2 MTRS PATCH CARDS	230	50209.00
11		DLP TRUNKING 50MM X 100MM 1 MTR	50	22420.00
12		PVC CASING 50MM X 50MM 6 FEET LENGTH	150	46020.00
13		PVC CASING 25MM 6 FEET LENGTH	100	5310.00
14		CABLE LAYING WITH CONDUCT, CRIMPING, TERMINATION OF I/O'S	230	74635.00
15		INSTALLATION & PROGRAMMING OF SWITCHES, JACK PANELS ALONG WITH DRESSING, NETWORK RACKS AND TRANSPORT EXPENSES ETC.	LUM	17700.00
16		TP-LINK AC1200 DUAL BAND ROUTER	01	2350.56
17		D-LINK 24 PORT GIGABYTE SWITCH	02	14500.00
Total Cost				9,66,777.96

UPS, Inverter & Batteries:

S.No	Name of the Equipment	Configurations	Unit Cost	Qty.	Total Cost with GST
1	Inverter	Amaron CRtt150AH 12V/150AH 9AL05034100120	10781.25	1	13,800.00
2	Inverter Battery	Amaron HB125011A UPS 12v/1250VA T1a1436x204722	5847.46	1	6480.46
3	Trolley	MicroTek Trolley	1186.44	1	1819.44
4	UPS	RT15KVA Make-DELTA AE322200048WQ/AE3222 00074QQ/AE321600043W Q	1,40,000.00	3	9,18,302.00
5	Batteries	26AH Batteries SMF batteries 12V”26AH Make-AmarRaja	2,350.00	72	
6	Racks	Racks and Battery Links	8,500.00	3	
7	MCCB	100AMPS MCCB with BOX	2,400.00	3	
8	UPS	N 10KVA UPS Make-Delta 89123A00288WF	84,500.00	1	
9	Batteries	26AH Batteries SMF batteries 12V”26AH Make-AmarRaja	2,350.00	20	
10	Racks	Racks and Battery Links	6,500	1	
Total Cost					9,40,402.00

Computer Lab Furniture:

S.No	Name of the Equipment	Configurations	Unit Cost	Qty.	Total Cost with GST
1	Lab Tables	Computer Lab Tables 20”X189”	37,500.00	10	14,41,362.00
2	Lab Tables	Computer Lab Tables 20”X168”	33,800.00	12	
3	Lab Tables	Computer Lab Tables 20”X144”	28,950.00	14	
Total Cost					14,41,362.00

RGMCET, DEPARTMENT OF CSE(AI&ML) LABS EQUIPMENT

Total Cost of Equipment: 76,28,100.00

S.no	Date	Item or Component	Specification	Bill .No/ Date	Price/Unit	Quantity	Total Cost
01	28-02-22	Desktops (Dell)	Dell 3020 Desktops Intel Core I 7 4 th Generation 8GB DDR-IV RAM 1TB HDD, 20" LED Monitor (Dell), Dell Keyboard, Dell Mouse	<u>RCS-009</u> 25-02-2022 Razvil. Computer Solution- Hyd	24305/- +18% GST	50 18%	1215254/- 218745/- ----- 1434000/-
02	10-03-22	Desktops (Dell)	Dell 3020 Desktops Intel Core I 7 4 th Generation 2 GB DDR-IV RAM 1TB HDD 20" LED Monitor (Dell), Dell Keyboard, Dell Mouse	<u>RCS-013</u> 08-03-2022 Razvil. Computer Solution- Hyd	24305/- +18% GST	50	1215254/- 218745/- ----- 1434000/-
03	July 2024	NILA - Robot	Robot				4,00,000.00
04	Dec 2024	Equipment for Robotics Lab: 1. Doosan 2. Dobot 3. UGOT 4. Yanshee 5. 3D Printer 6. Duckietown Arduino Equipment's	Equipment for Robotics Lab				43,60,100.00
Total							76,28,100.00

Rajeev Gandhi Memorial College of Engineering &
Technology
(AUTONOMOUS)
Department of CSE (Cyber Security)

S.No	DATE	DESCRIPTION	PRICE	QTY.	COST
1	8-8-2024	Dell Optiplex 7040 Intel Core i7 6 th Gen Processor 3.40, 16GB DDR4 RAM, 1TB Sata SSD, 2GB DDR3 Graphic card, Dell 20” Monitor	32950	01	32950
2	8-8-2024	HP LaserJet Pro MFP M126a	21990	01	21990
3	8-8-2024	ZEBRONICS U735 600VA UPS	3000	01	3000
3	27-11-2024	GDC3.A10080- 16.115GB NVIDIA GPU Memory: 1 x 80 GB vCPU: 16 vCPU Dedicated RAM: 115 GB Disk Space Primary: 1500 GB SSD @1,06,200/- Monthly for 5 Months	1,06,200 (5 Months Subscription) Dec 2024- April 2025	01	5,31,000
		TOTAL			5,88,940/-

Dr. R. Kaviarasan
Head of the Dept.
Dept. of CSE(CS)
RGM CET

Rajeev Gandhi Memorial College of Engineering & Technology
(AUTONOMOUS)

Department of English

Communicative English Lab Equipment Details

No	Name of the Equipment	Specifications	Cost	QTY	Total Cost Rs/-
1	DELL	DELL OPTO FLEX – CPU 3040 I5 6 th Gen Processor	Rs: 20,650/-	35	Rs: 7,22,750/-
2	ACER Systems	Veriton M200-G41Desktops- Intel E6500 (2.93Ghz/ 500 GB SATA HDD/ 2	Rs: 17,724/-	28	Rs: 4,96,272/-
3	Intel Systems (Assembled) DELL	INTEL Pentium –® Processor 2.60GHz Processor 1GB RAM,DDR2 250 GB Hard disk, (Keyboard Optical Mouse)	Rs: 15,000/-	20	Rs:3,00,000/-
4	LCD Projector	Optima	Rs: 28,000/-	02	Rs:56,000/-
5	Software Details	A) Alania Series	Rs:1,06,500/-	01	Rs:1,06,500/-
		B) Rosetta Stone	Rs:3,26,320/-	01	Rs:3,26,320/-
		C) Globberena	Rs:1,30,000/-	01	Rs:1,30,000/-
		D) K-Van Software K-Van Solutions Pvt.Ltd	Rs:70,000/-	01	Rs:70,000/-
		E) Softx Technology private limited	Rs:63,000/-	01	Rs:63,000/-
		F) Language Guru (Digital Language Lab) Software	Rs:10,030/-	01	Rs:10,030/-
6	Furniture	Reading Tables-3, S- types chairs-2 & Normal Table-2, Students Rotating Chairs-60	Rs:72,000/-	67 (Indiv idual)	Rs:72,000/-
7	Public Addressing System	Ahuja SSB 120 DP S.NO 380734	Rs:10,000/-	01	Rs:40,000/-
		SMX – 602T 60 W Speakers	Rs:19,600/-	04	
		ER58/ EM58 Studio master Caller Mic& Micro Phone	Rs:400/-	02	
8	G.D Tables	Tr Bolt Stands12MM Glass Round Tables	Rs:4,500/-	08	Rs:36,000/-
9	Chairs	Supreme Web Chairs	Rs:1,400/-	32	Rs:44,800/-

10	Hard Disk Key Boards Optical Mouse	500 GB Intex Cabled	Rs:3,500/- Rs:1,500/- Rs:1,400/-	01 05 07	Rs:6,400/-
11	AOC Monitors	15.6 LED	Rs:4,400/-	03	Rs:13,200/-
12	V-Guard UPS	600 V.A	Rs:2,200/-	02	Rs:4,400/-
13	Kaspersky	Anti Virus	Rs:1,000/-	01	Rs:1,000/-
14	Projector Screen	6f t X 8ft	Rs:7,500/-	01	Rs:7,500/-
15	3/8 Bosch Drill with Bits	3/8" 2acobs ratcheting keyless chuck, 120V,	Rs:2,770/-	01	Rs:2,770/-
16	Lenovo External	HDD IT B S/N:"GX BoK28987Z1 10 WL55	Rs: 4,650/-	01	Rs:4,650/-
17	AOC Monitors	15.6 LED	Rs:4,300/-	10	Rs:43,000/-
18	DELL 3046 Desktop with 19.5 Monitor	DELL3046-ALO Intel Core i3 4590 4 th Generation processor 4GB RAM 500 GB HDD, 19.5" Screen Dell Key Board and Mouse.	Rs:33,600/-	4	Rs:1,34,400/-
19	HP M105 All in One Printer	HP M105 All in One Printer	Rs:16,850/-	1	Rs:16,850/-
20	UPS & Headphones Hard Disk Key Boards Optical Mouse Public Addressing System	V-Guard UPS 500 GB DELL Cabled Headphones	2900 800 550 300 1500	3 45 45 45 1	Rs: 84450/-
21	HP Laser jet MFP 1188 Laser Printer	All in one Mono Chrome Laser Printer with Fax & Networking, 715A5A	Rs: 21,499/-	1	Rs: 21,499/-
22	10 KV UPS 26 AH Batteries Rack & Links	Installation with GST	Rs:84,500/- Rs: 47,000/- Rs: 6,500/- Rs: 29,540/-	01 20 01 GST	Rs: 1,67,540/-
23	Boat Bassheads 900 Wired Headphones with	40 Mm Drivers, & USB Type-A Compatibility(Black)	Rs: 1090/-	40	Rs: 43,960/-

Total Department Equipment Cost Rs: 32,32,453/-

HoD English

2 of 2

Rajeev Gandhi Memorial College of Engineering & Technology
Autonomous
Nandyal – 518501, Kurnool – Dt A.P.

06-03-2026

Department of Mathematics

DETAILS OF EQUIPMENTS (Starting to till date)

S.No	List of Equipment	Quantity	Date	Cost of Equipment(Rs.)
1	Dell-3040 systems	4	28-10-2016	129800
	Vat@5%	1		1800
				6490
2	Dell-Inspiron(Laptop)			39500
3	V-Guard-Dx 600(UPS)	6	20-04-2017	13200
4	HP-LaserJet M1005(Printer)	1	31-07-2019	17853
Total Amount				206843

DETAILS OF Software (Starting to till date)

S.No	List of Equipment	Quantity	Date	Cost of Equipment(Rs.)
1	Mathematica-version 10.0	1 User	20-08-2014	85000
2	Mathematica-Version 11.2	3 Users	22-02-2018	259500
Total amount				344500



HOD, MATHEMATICS

RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

DEPT OF PHYSICS (Total Cost: 41, 94, 194.00 Lakhs)

NAME OF THE LABORATORY: ENGINEERING PHYSICS				
S. N O.	DESCRIPTION	PRICE	QTY.	COST
1	Hall Effect (Crescent Trading Company) Determination of type of semiconductor Carrier Concentration, Mobility of Charge Carriers Hall Probe	41000.00 2050.00	2 4	82000.00 8200.00
	Hall Effect (Mikron Instruments)	39500.00	1	39500.00
2	Four Probe Conductivity (Crescent Trading Company) Determination of Energy gap of semiconductor	15000.00	2	30000.00
	Four Probe Conductivity (Mikron Instruments)	24000.00	1	24000.00
	SES Four Probe Research model	104500.00	1	104500.00
3	Dielectric Constant (Pushpa Scientifics) Determination of dielectric constant of insulating materials	31600.00	1	31600.00
	Dielectric Constant (Mikron Instruments)	19800.00	1	19800.00
	Capacitance Box	3400.00	1	3400.00
	SES Dielectric Constant	41900.00	1	41900.00
4	Thermo Electric Power Set up (Pushpa Scientifics) Determination of Thermo Electric Power and energy gap of materials	43750.00	1	43750.00
5	He-Ne Laser (Crescent Trading Company) Determination of wavelength of laser	22000.00	1	22000.00
	Grating	1460.00	5	7300.00
	Gratings Hilger	2400.00	4	9600.00
6	Diode Laser (Crescent Trading Company) Determination of particle size	4850.00	2	9700.00
	Diode Laser (Mikron Instruments)	4290.00	2	8580.00
	Diode laser	3050.00	4	12200.00
	Wooden bench, slide holder, screen	3100.00	2	6200.00
7	Spectrometer (Crescent Trading Company) Determination of dispersive power Determination of wavelength of source	5990.00	6	35940.00
	Prism	585.00	10	5850.00
	Prism 32mm EDF	650.00	4	2600.00
	Reading lens	95.00	8	760.00
		85.00	6	510.00
	spirit level	90.00	4	360.00
	Spare Eye piece	325.00	6	1950.00
8	Travelling Microscopes (Crescent Trading Company) Determination of wavelength Determination of radius of curvature of Plano convex lens	4800.00	6	28800.00
9	Optical fiber set up (Crescent Trading Company) Determination of Numerical Aperture Determination of Bending losses of the optical fiber	18500.00	3	55500.00
	OFC	4500.00	3	13500.00
10	Torsional Pendulum (Crescent Trading Company) Determination of Rigidity modulus	6735.00	5	33675.00
	Screw Guage	260.00	3	780.00
	Vernier Calipers	285.00	3	855.00
	Digital Multimeter	1850.00	1	1850.00
	Brass wire	220.00	1	220.00
	Steel wire	220.00	1	220.00
	Meter Scales	110.00	5	550.00
	Spare chuck nuts	195.00	12	2340.00
	Digital stop watch	425.00	6	2550.00
DCC wire	1100.00	1	1100.00	
11	Stewart Gee's (Crescent Trading Company) Determination of intensity of magnetic field	5110.00 1595.00	4 2	20440.00 3190.00
	Battery eliminator			

	Compass box Magnetometer Deluxe	295.00 395.00	3 6	885.00 2797.00
	Regulator Power Supply	5260.00	1	5260.00
	IC regulated Power supply	2950.00	2	5900.00
12	Sonometer (Crescent Trading Company) Verification of laws of transverse vibrations	3190.00	4	12760.00
13	Solar I-V Characteristics (Mikron Instruments) Study of I-V characteristics of Solar Cell	4650.00 5900.00	5 4	23250.00 23600.00
	Digital Vernier calipers	6500.00	1	6500.00
	Digital Screw guage	7700.00	1	7700.00
	Space oven setup	6800.00	1	6800.00
	Four probe sample	3500.00	1	3500.00
Grand Total		Rs 8,42,862.00		

**RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY
NANDYAL, ANDHRA PRADESH
(AUTONOMOUS)**

DEPARTMENT OF PHYSICS

GLASS – CERAMICS RESEARCH LAB (Institutional Funding)

1. Indfurr Super Heat Furnace (1400C) - 1 no.
2. Hot plate for Annealing (400C) - 1 no.
3. Brass Mold - 1 no.
4. Pellet Making Machine - 1 no.
5. Mortar and pestle - 2no.
6. Ice-bath facility
7. Vacuum desiccators - 2no.
8. Centrifugator - 1no
9. Ultra-sonicator - 1 no.
10. Hi Media Research Chemicals
11. Alpha-Aesar Research Chemicals

S.N O.	DESCRIPTION	PRICE	QTY.	COST
1	Indfurr Super Heat Furnace Annealing hot plate Brass Mold Pellet making machine	2,73,569.00	1	2,73,569.00
2	Research Chemicals and accessories	1,81,280.00	40	1,81,280.00
3	Magnetic stirrer	17,552.00	1	17,552.00
4	Hot air oven	44,250.00	1	44,250.00
5	Analytical Weighing balance	89975.00	1	89975.00
	Total cost of the equipment and chemicals=			6,06,626.00

NANO-CHEMICAL SYNTHESIS RESEARCH LAB
(SERB-DST & UGC-SERO)
Total cost = 22 Lakhs -----Dr. B.C. Jamalaih

- | | |
|---------------------|---------|
| 1. Hot-air oven | - 1 no. |
| 2. Magnetic stirrer | -1 no. |
| 3. Fumes hood | - 1 no. |
| 4. Chemicals | |

PHOTONICS LABORATORY
(SERB-DST)

Total cost = 34.5 Lakhs -----Dr. K. Venkata Krishnaiah

1. Portable spectrometer (up to 1100nm)
2. Lasers: 405 nm & 920 nm
3. Laser power meter
4. Integrating sphere
5. Research optical bench
6. Collecting optics
7. Lenses & Mirrors
8. Chemicals

UGC-SERO minor research project

Total cost = 2.1 Lakhs -----Mr. S. Farooq

- | | |
|---------------------------|---------|
| 1. Muffle furnace (1200C) | - 1 no. |
|---------------------------|---------|

Total R&D equipment cost: Rs = **27,44,706/-**

Total equipment including R & D equipment – **Rs 41, 94, 194.00**

S.No	Name Of The Equipment	Available	Cost	Year of purchase
1	Bomb Calorimeter	2	1,70,500/-	2015
2	Digital Conductivity Meter	7	71,587/-	2018
3	Photo Electric Calorimeter	4	29,800/-	2015
4	Ph Meter	1	4,200/-	2015
5	Refractometer	1	24,300/-	2015
6	Digital Bulk Density Apparatus	1	27,000/-	2015
7	Electrical Balance	1	4,800/-	2014
8	Redwood Viscometer No I	2	14,400/-	2009
9	Redwood Viscometer No Ii	2	13,600/-	2009
10	Analytical Balance	30	66,750/-	2009
11	Water Analyzer	01	74,920/-	2017
12	Bod Incubator	01	84,480/-	2017
13	Cod Apparatus	01	11,100/-	2017
14	All Glass Double Distillation Unit 3361-1.5lt/ 1.5kw	01	38,347/-	2018
15	Model No.1 Mlh Magnetic Stirrer 1 Lt Capacity With Hot Plate And Digital Speed Indicator	02	10,640/-	2018
16	Model No.2 Mlh Magnetic Stirrer 1 Lt Capacity With Hot Plate And Digital Speed Indicator	02	11,780/-	2018
17.	Digital Conductivity meters	02	11,000	2022
18.	Digital Photo Colorimeters	02	30,000	2022
19.	Digital Conductivity meters	01	21,736	2023
20.	Digital Potentiometer	01	13,640	2023
21.	Redwood Viscometer - I	01	20,250	2023
22.	Redwood Viscometer - I	01	22,500	2023
23.	Digital Photo Colorimeters	01	20,886	2025

Grand Total: Rs. 8,19,327 /-

A. Balakrishna
Dr. AVULA BALAKRISHNA
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HOD & Assistant Professor
Department of Chemistry
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HOD, Chemistry

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Nandyal – 518501

DEPARTMENT OF MANAGEMENT STUDIES

EQUIPMENT COST

S.No	Lab Name	Cost in Rs (Lakhs)
1	Optiplex-3040-INTEL Core I3 6th generation 6100 processor 3.7GHz and 3 MBcache, 4GB DDR3 1600 Mega Htz, 500 GB SATA HDD 7200 RMP integrated graphics, Dell 19.5 Inches LED WTFT Monitor, No drive, DOS O.S (3-No.s)Year: 2017	1,00,800/-
2	Optiplex-3040-INTEL Core I3 6th generation 6100 processor 3.7GHz and 3 MBcache, 4GB DDR3 1600 Mega Htz, 500 GB SATA HDD 7200 RMP integrated graphics, Dell 19.5 Inches LED WTFT Monitor, No drive, DOS O.S (2-No.s) Year: 2016	68,500/-
3	HP 126 NW Laser printer	14,660/-
	Total	1,83,960/-

Dr.S.Sowjanya
Head of Department
Management Studies
RGM CET