

University Grants Commission

Appendix-XV

Information about the Equipment

Mechanical Engineering (Applied Mechanics lab)

S. No.	Item Description	Numbers of Item	Location Department	Value (in Rs.)	Present Condition	Date of Purchase
1	Combined Coil & Belt friction apparatus	1	A.Mech.Lab	7100/-	Good	30.06.11
2	Torsion Apparatus	1	A.Mech.Lab	6700/-	Good	30.06.11
3	Deflection of Beam Apparatus	1	A.Mech.Lab	11650/-	Good	30.06.11
4	Combined Rockwell & Brinell hardness tester	1	A.Mech.Lab	60700/-	Good	30.06.11
5	Apparatus for moment of inertia of flywheel	1	A.Mech.Lab	1800/-	Good	29.09.11
6	Apparatus for friction experiment on inclined plane	1	A.Mech.Lab	3100/-	Good	29.09.11
7	Roof truss Apparatus	1	A.Mech.Lab	4300/-	Good	29.09.11
8	Apparatus for verification of law of parallelogram of forces	1	A.Mech.Lab	3800/-	Good	29.09.11
9	Screw Jack Apparatus	1	A.Mech.Lab	4800/-	Good	23.08.13
10	Parallel Forces Apparatus	1	A.Mech.Lab	6600/-	Good	23.08.13
11	Compound Pendulum Apparatus	1	A.Mech.Lab	1200/-	Good	23.08.13

Mechanical Engineering (Graphics Lab)

S. No.	Item Description	Numbers of Item	Location Department	Value (in Rs.)	Present Condition	Date of Purchase
1	Model of Oblique section cone with four section	1	Graphics Lab	640/-	Good	29.09.12
2	Model of Cube (20 cm X 20 cm X 20 cm)	1	Graphics Lab	880/-	Good	29.09.12
3	Model of Hexagonal Prism	1	Graphics Lab	580/-	Good	29.09.12
4	Model of Pentagonal prism	1	Graphics Lab	580/-	Good	29.09.12
5	Model of Pentagonal Pyramid	1	Graphics Lab	580/-	Good	29.09.12
6	Model of Triangular Prism	1	Graphics Lab	580/-	Good	29.09.12
7	Model of Square pyramid	1	Graphics Lab	580/-	Good	29.09.12
8	Model of Sphere	1	Graphics Lab	560/-	Good	29.09.12
9	Model of Cylinder	1	Graphics Lab	580/-	Good	29.09.12
10	Model of Tetrahedran	1	Graphics Lab	450/-	Good	29.09.12
11	Model of intersection of a Cone & Cylinder	1	Graphics Lab	900/-	Good	29.09.12
12	Models of intersection of two unequal square	1	Graphics Lab	900/-	Good	29.09.12

Mechanical Engineering (Fluid Mechanics Lab)

S. No.	Item Description	Numbers of Item	Location Department	Value (in Rs)	Present Condition	Date of Purchase
1	Impact of Jet Apparatus	1	F. M. Lab	30500/-	Good	12.06.13
2	Apparatus for Coducting Orifice Experiment	1	F. M. Lab	32500/-	Good	12.06.13
3	Apparatus for Calibration of Venturimeter & Orificemeter	1	F. M. Lab	29200/-	Good	12.06.13
4	Apparatus for Calibration of Bend Meter	1	F. M. Lab	28300/-	Good	12.06.13
5	Reynolds Appratus	1	F. M. Lab	32500/-	Good	12.06.13
6	Pitot Static Tube Apparatus	1	F. M. Lab	28300/-	Good	12.06.13
7	Pipe Friction Apparatus	1	F. M. Lab	30500/-	Good	12.06.13
8	Open Circuit Subsonic Wind Tunnel	1	F. M. Lab	130000/-	Good	12.06.13
9	Apparatus for Verification of Bernoulli's Theorem	1	F. M. Lab	32800/-	Good	12.06.13
10	Metacentric Height Apparatus	1	F. M. Lab	15700/-	Good	12.06.13
11	Redwood Viscometer No. 1	1	F. M. Lab	6700/-	Good	12.06.13
12	Redwood Viscometer No. 2	1	F. M. Lab	8100/-	Good	12.06.13

Mechanical Engineering (MMM Lab)

S. No.	Item Description	Numbers of Item	Location Department	Value (in Rs)	Present Condition	Date of Purchase
1	Conduction - Composite wall Experiment	1	HMT Lab	36000/-	Good	23.08.13
2	Convection - Pool Boiling Experiment	1	HMT Lab	36000/-	Good	23.08.13
3	Convection - Experiment on Heat Transfer from Tube Natural Convection	1	HMT Lab	36000/-	Good	23.08.13
4	Convection - Heat Pipe Experiment Heat Pipe Demonstrator (Apparatus)	1	HMT Lab	36000/-	Good	23.08.13
5	Convection - Heat Transfer Pin-Fin Natural Pin Fin in Natural/Forced Convection	1	HMT Lab	37500/-	Good	23.08.13
6	Convection Heat Transfer through Tube Forced Convection (From Heated Pipe to Flowing Air)	1	HMT Lab	37500/-	Good	23.08.13
7	Stefan Boltzman Apparatus	1	HMT Lab	36000/-	Good	23.08.13
8	Heat Exchanger - Parallel Flow Experiment	1	HMT Lab	33000/-	Good	23.08.13
9	Heat Exchanger - Counter Flow Experiment	1	HMT Lab	33000/-	Good	23.08.13
10	Conduction - Determination of Thermal Conductivity of Fluid.	1	HMT Lab	33000/-	Good	23.08.13
11	Conduction - Thermal Contact Resistance Effect	1	HMT Lab	36000/-	Good	23.08.13

Mechanical Engineering (M & M LAB)

S. No.	Item Description	Numbers of Item	Location Department	Value (in Rs)	Present Condition	Date of Purchase
1	Mechanical Vernier Caliper (0.300mm)	1	A. M. Lab	9400/-	Good	24/1/13
2	Dial Vernier Caliper (0.300mm)	1	A. M. Lab	13500/-	Good	24/1/13

3	Micrometer outside	1	A. M. Lab	3000/-	Good	24/1/13
4	Micrometer inside (50-200mm)	1	A. M. Lab	14800/-	Good	24/1/13
5	Micrometer outside (25-50mm)	1	A. M. Lab	4100/-	Good	24/1/13
6	Tachometer digital type	1	A. M. Lab	3200/-	Good	24/1/13
7	Sinebar 250mm	1	A. M. Lab	6200/-	Good	24/1/13
8	Slip gauge (set of 83 pc)	1	A. M. Lab	13900/-	Good	24/1/13
9	Ring & taper gauge	1	A. M. Lab	8500/-	Good	24/1/13
10	Snap gauge (19-25mm)	1	A. M. Lab	1300/-	Good	24/1/13
11	Universal Bevel Protector (12)	1	A. M. Lab	19300	Good	24/1/13
12	Feeler gauge 4(26 leaver)	1	A. M. Lab	190/-	Good	24/1/13
13	Comparator Stand	1	A. M. Lab	5600/-	Good	24/1/13
14	Dial Gauge	1	A. M. Lab	2500/-	Good	24/1/13
15	Pressure Measurement Tutor 01	1	A. M. Lab	18400/-	Good	24/1/13
16	Temperature Measurement Tutor	1	A. M. Lab	17500/-	Good	24/1/13
17	Vibration Measurement Tutor	1	A. M. Lab	57100/-	Good	24/1/13

Mechanical Engineering (Material Science Lab)

S. No.	Item Description	Numbers of Item	Location Department	Value (in Rs)	Present Condition	Date of Purchase
1	Metallography Specimen Mounting press	1	M. S. Lab	29200/-	Good	12.06.13
2	Metallurgical Polishing Machine (Double Disc)	1	M. S. Lab	38200/-	Good	12.06.13
3	Metallurgical linesher polishing Belt Sander (Wet & Dry)	1	M. S. Lab	22500/-	Good	12.06.13
4	Abrasive Disc Cut Off Machine	1	M. S. Lab	15700/-	Good	12.06.13
5	Etching Agent for Steel, C.I., Al Alloy, Copper Alloy & S.S. (500 ml each)	1	M. S. Lab	2900/-	Good	12.06.13
6	Specimen Leveler	1	M. S. Lab	6700/-	Good	12.06.13
7	Polishing Alumina I, II & III Grade (500gm each)	1	M. S. Lab	2400/-	Good	12.06.13
8	Velvet Cloth	1	M. S. Lab	400/-	Good	12.06.13
9	Metallography Polishing Cloth (Duro cloth)	1	M. S. Lab	450/-	Good	12.06.13
10	Cold Setting Compound	1	M. S. Lab	3100/-	Good	12.06.13
11	Desiccator	1	M. S. Lab	2900/-	Good	12.06.13
12	Crucible	1	M. S. Lab	450/-	Good	12.06.13
13	Tong	1	M. S. Lab	550/-	Good	12.06.13
14	Specimen Hot Driver	1	M. S. Lab	650/-	Good	12.06.13
15	Metallurgical Microscope (Binocular Model)	1	M. S. Lab	24700/-	Good	12.06.13
16	Heat Treatment Furnace	1	M. S. Lab	29200/-	Good	12.06.13

Mechanical Engineering (MMM Lab)

S. No.	Item Description	Numbers of Item	Location Department	Value (in Rs)	Present Condition	Date of Purchase
1	Model of crank & Connecting rod mech.	1	MMM Lab	2000/-	Good	02.03.13
2	Model of four bar link mechanism	1	MMM Lab	1800/-	Good	02.03.13
3	Model of Inversion of four bar mechanism	1	MMM Lab	6800/-	Good	02.03.13
4	Model of Kinematic pairs	1	MMM Lab	5400/-	Good	02.03.13
5	Model of oscillating cylinder mechanism	1	MMM Lab	2600/-	Good	02.03.13
6	Model of pawl & ratchet motion	1	MMM Lab	1400/-	Good	02.03.13
7	Model of peaucellier Mechanism	1	MMM Lab	1900/-	Good	02.03.13
8	Model of scotch yoke mechanism	1	MMM Lab	2100/-	Good	02.03.13
9	Model of watt mechanism	1	MMM Lab	2100/-	Good	02.03.13
10	Model of whit worth quick return mechanism	1	MMM Lab	2700/-	Good	02.03.13
11	Model of single shoe/block brake	1	MMM Lab	3200/-	Good	02.03.13
12	Model of Double shoe brake	1	MMM Lab	3200/-	Good	02.03.13
13	Model of Band brake	1	MMM Lab	3200/-	Good	02.03.13
14	Model of Disc brake	1	MMM Lab	3100/-	Good	02.03.13
15	Model of Hydraulic Brake	1	MMM Lab	5900/-	Good	02.03.13
16	Model of Internal Expanding shoe brake	1	MMM Lab	3200/-	Good	02.03.13
17	Model of Centrifugal clutch	1	MMM Lab	3200/-	Good	02.03.13
18	Model of Claw clutch	1	MMM Lab	3000/-	Good	02.03.13
19	Model of Multi plate clutch	1	MMM Lab	3200/-	Good	02.03.13
20	Model of Dynamic Balancing machine	1	MMM Lab	137200/	Good	02.03.13
21	Motorized Gyroscope	1	MMM Lab	49800/-	Good	02.03.13
22	Universal Ggovernor apparatus	1	MMM Lab	56800/-	Good	02.03.13
23	Whirling of shaft apparatus	1	MMM Lab	52800/-	Good	02.03.13
24	Epicyclic gear train & holding torque app.	1	MMM Lab	71500/-	Good	02.03.13
25	Model of prony brake Dynamometer	1	MMM Lab	4800/-	Good	02.03.13
26	Model of rope brake Dynamometer	1	MMM Lab	9100/-	Good	02.03.13
27	Gear Tooth profile& Interference board mod.	1	MMM Lab	16600/-	Good	02.03.13
28	Simple& compound gear train apparatus	1	MMM Lab	17500/-	Good	02.03.13

Mechanical Engineering (MOM Lab)

S. No.	Item Description	Numbers of Item	Location Department	Value (in Rs)	Present Condition	Date of Purchase
1	Deflection of beam apparatus	1	M. S. Lab	30000/-	Good	25.03.13
2	Column set up(Euler crippling load)	1	M. S. Lab	36000/-	Good	25.03.13
3	Unsymmetrical bending machine	1	M. S. Lab	36000/-	Good	25.03.13
4	Torsion testing machine	1	M. S. Lab	155000/-	Good	28.02.13
5	Double shear test attachment suitable for U T M-40	1	M. S. Lab	26000/-	Good	28.02.13
6	Spring testing m/c with STD Acc.	1	M. S. Lab	45500/-	Good	07.03.13

7	U T M 40 Ton Cap.	1	M. S. Lab	328000/-	Good	30.06.11
8	Impact Testing M/C	1	M. S. Lab	60700/-	Good	30.06.11

Mechanical Engineering (Thermodynamics Lab)

S. No.	Item Description	Numbers of Item	Location Department	Value (in Rs)	Present Condition	Date of Purchase
1	Model of Lancashire	1	T. D. Lab	12500/-	Good	12.06.13
2	Model of Cornish Boiler	1	T. D. Lab	12500/-	Good	12.06.13
3	Model of Cochran Boiler	1	T. D. Lab	9200/-	Good	12.06.13
4	Model of Bacock & Wilcox Boiler	1	T. D. Lab	12500/-	Good	12.06.13
5	Model of Loeffler Boiler	1	T. D. Lab	11200/-	Good	12.06.13
6	Model of Lamont boiler	1	T. D. Lab	11200/-	Good	12.06.13
7	Model of Benson Boiler	1	T. D. Lab	11200/-	Good	12.06.13
8	Model of 2 Stroke petrol Engine Cycle	1	T. D. Lab	2800/-	Good	12.06.13
9	Model of 4 Stroke Petrol Engine Cycle	1	T. D. Lab	2900/-	Good	12.06.13
10	4 Stroke 4 Cylinder Petrol Engine test Rig with Hydraulic Dynamometer	1	T. D. Lab	250000/-	Good	12.06.13
11	Heat Balance Arrangement for above Engine	1	T. D. Lab	21500/-	Good	12.06.13
12	4 Stroke 1 Cylinder Diesel Engine test Rig With Electrical Dynamometer	1	T. D. Lab	115000/-	Good	12.06.13
13	Model of 2 Stroke Diesel Engine Cycle	1	T. D. Lab	2900/-	Good	12.06.13
14	Model 4 Stroke Diesel Engine cycle	1	T. D. Lab	2900/-	Good	12.06.13
15	Model of Velocity Compounded Steam Turbine	1	T. D. Lab	5400/-	Good	12.06.13
16	Model of pressure compounded Steam Turbine	1	T. D. Lab	6400/-	Good	12.06.13
17	Model of reaction Turbine	1	T. D. Lab	5300/-	Good	12.06.13
18	Model of Steam Engine With Boiler (Electrically Operated)	1	T. D. Lab	10500/-	Good	12.06.13
19	Model of gas Turbine	1	T. D. Lab	10500/-	Good	12.06.13

Mechanical Engineering (Workshop)

S. No.	Item Description	Numbers of Item	Location Department	Value (in Rs)	Present Condition	Date of Purchase
1	Shaper Machine Complete	1	Workshop	152000/-	Good	08.07.11
2	Milling Machine Complete	1	Workshop	133000/-	Good	08.07.11
3	Radial Drill Machine	1	Workshop	61750/-	Good	08.07.11
4	Surface Grinder 18"X6"	1	Workshop	66500/-	Good	08.07.11
5	Bench Drill 5/8	1	Workshop	11400/-	Good	08.07.11
6	Welding Set (Arc)	1	Workshop	14250/-	Good	08.07.11
7	Lathe Machine 6' Complete	2	Workshop	212800/-	Good	08.07.11
8	Powder Hack Saw	1	Workshop	61750/-	Good	08.07.11

9	Wood Working lathe Machine	1	Workshop	52250/-	Good	08.07.11
10	Tool Grinder	1	Workshop	5700/-	Good	08.07.11
11	Automatic Lathe Machine 6' Complete	1	Workshop	213750/-	Good	08.07.11
12	Stop Welding Machine Complete	1	Workshop	26600/-	Good	08.07.11
13	Gas Welding (O2+C2H2)	1	Workshop	22300/-	Good	08.07.11
14	Lathe Machine 6' Complete	2	Workshop	240000/-	Good	16.09.13
15	Arc Welding M/C 300 Amp Complete	1	Workshop	22000/-	Good	16.09.13
16	Hand Lever Shear	1	Workshop	1950/-	Good	12.09.12

Civil Engineering (Hydraulic Lab)

S. No.	Item description	Number of Items	Location Department	Value (in Rs.)	Present Condition	Date of Purchase
1	Tilting flume/ Adjustable channel(complete set)	1	Civil Engg.	1,80,000/-	Good	20/5/13
2	Reciprocating pump test Rig	1	Civil Engg.	65000/-	Good	20/5/13
3	Variable Speed Centrifugal Pump test Rig	1	Civil Engg.	48000/-	Good	20/5/13
4	Pelton Wheel Turbine Test Rig	1	Civil Engg.	1,70,000/-	Good	20/5/13
5	Francis Turbine	1	Civil Engg.	1,80,000/-	Good	20/5/13
6	Kaplan Turbine	1	Civil Engg.	1,82,000/-	Good	20/5/13

Civil Engineering (Geo Informatics Lab)

S. No	Item description	Number of Items	Location Department	Value (in Rs.)	Present Condition	Date of Purchase
1	National pocket stereoscope with superior lense	15	Civil Engg.	3750/-	Good	27/4/13
2	National Mirror Stereoscope fine optics	5	Civil Engg.	12500/-	Good	27/4/13
3	National prism stereoscope very superior lense	2	Civil Engg.	27998/-	Good	27/4/13
4	Aerial photograph pair	20	Civil Engg.	8000/-	Good	27/4/13
6	GPS Garmin E Trex	2	Civil Engg.	24000/-	Good	27/4/13

Civil Engineering (Survey Lab)

S. No	Item description	Number of Items	Location Department	Value (in Rs.)	Present Condition	Date of Purchase
1	Total station OTS 652 (With all accessories)	1 nos.	Civil Engg.	1,75,500/-	Good	26/07/13
2	Prismatic Compass (with stand)	5 nos.	Civil Engg.	6000/-	Good	26/07/13
3	Automatic level (with stand)	4 nos.	Civil Engg.	50000/-	Good	26/07/13
4	Dumpy level (with stand and staff)	2 nos.	Civil Engg.	12000/-	Good	26/07/13
5	Tilting level (with stand)	1 nos.	Civil Engg.	5000/-	Good	26/07/13
6	Theodolite JT-2C (Electronic,) with stand	2 nos.	Civil Engg.	100000/-	Good	26/07/13
7	Vernier theodolite (with stand)	2 nos.	Civil Engg.	26000/-	Good	26/07/13
8	Ranging Rod 3 meter	20 nos.	Civil Engg.	6500/-	Good	26/07/13

9	Ranging Rod 2 meter	20 nos.	Civil Engg.	5500/-	Good	26/07/13
10	Leveling Staff 4 meter with 1 Surveying Umbrella	7 nos.	Civil Engg.	11200/-	Good	26/07/13
11	Plane Table with accessories (wooden peg through compass)	5 nos.	Civil Engg.	13250/-	Good	26/07/13
12	Bubble tube	5 nos.	Civil Engg.	750/-	Good	26/07/13
13	Telescopic Alidade 175 mm	2 nos.	Civil Engg.	550/-	Good	26/07/13
14	Cross Staff 6" Brass	4 nos.	Civil Engg.	1600/-	Good	26/07/13
15	Measuring Tape (30m,15m)	3 nos.	Civil Engg.	741/-	Good	26/07/13

Civil Engineering (Building Material Lab)

S. No.	Item description	Number of Items	Location Department	Value (in Rs.)	Present Condition	Date of Purchase
1	Vicate Needle Apparatus	5 nos.	Civil Engg.	14000/-	Good	26/07/13
2	Sand Replacement Apparatus	3 nos.	Civil Engg.	37500/-	Good	26/07/13
3	Aggregate Crushing Value Apparatus	1 nos.	Civil Engg.	7800/-	Good	26/07/13
4	Compression testing machine 100 ton	1 nos.	Civil Engg.	78000/-	Good	26/07/13
5	Impact testing machine	1 nos.	Civil Engg.	48000/-	Good	26/07/13
6	Sieves 30 cm (12.0 mm,10 mm,16 mm, 2.36 mm)	8 nos.	Civil Engg.	3600/-	Good	26/07/13
7	Electronic Balance (capacity 30 kg)	1 nos.	Civil Engg.	5000/-	Good	30/10/13
8	Steel bowl	2 nos.	Civil Engg.	380/-	Good	30/10/13
9	Tray (30x45cm)	8 nos.	Civil Engg.	2640/-	Good	30/10/13
10	Tray (20x25cm)	5 nos.	Civil Engg.	1050/-	Good	30/10/13
11	Measuring Cylinder (1000ml, 500ml, 250 ml)	5 nos.	Civil Engg.	1004/-	Good	27/11/13

Civil Engineering (Transportational Lab)

S. No	Item description	Number of Items	Location Department	Value (in Rs.)	Present Condition	Date of Purchase
1	National Film Stripping Device	02 nos.	Civil Engg.	69998/-	Good	30/12/13
2	National ables flash point Apparatus	1 nos.	Civil Engg.	8800/-	Good	30/12/13
3	National penetrometer apparatus	2 nos.	Civil Engg.	37340/-	Good	30/12/13
4	National softening point Apparatus (Ring and ball apparatus)	2 nos.	Civil Engg.	29998/-	Good	30/12/13
5	National los angles abrasion Apparatus	1 nos.	Civil Engg.	79999/-	Good	30/12/13

Civil Engineering (Geo-Tech Lab)

S. No.	Item description	Number of Items	Location Department	Value (in Rs.)	Present Condition	Date of Purchase
1	National Cone Penetrometer	1 nos.	Civil Engg.	3299/-	Good	30/12/13
2	Nation Cone Penetrometer	2 nos.	Civil Engg.	47998/-	Good	30/12/13
3	National Direct Shear Apparatus	1 nos.	Civil Engg.	59999/-	Good	30/12/13
4	National Direct Shear test Apparatus	1 nos.	Civil Engg.	69999/-	Good	30/12/13

5	National Field density Apparatus	3 nos.	Civil Engg.	8997/-	Good	30/12/13
6	National Permeability Apparatus	1 nos.	Civil Engg.	29999/-	Good	30/12/13
7	National Proctor compaction Apparatus	3 nos.	Civil Engg.	8997/-	Good	30/12/13
8	National Proctor compaction Apparatus (4.89 kg. X 450MM)	1nos.	Civil Engg.	3999/-	Good	30/12/13
9	National Relative Density Apparatus	1 nos.	Civil Engg.	79999/-	Good	30/12/13
10	National Sieve Shaker (Gyratory)Motorized	1 nos.	Civil Engg.	26333/-	Good	30/12/13
11	National Sieve set of 10	2 nos.	Civil Engg.	10998/-	Good	30/12/13

Civil Engineering (Structure Lab)

S. No	Item description	Number of Items	Location Department	Value (in Rs.)	Present Condition	Date of Purchase
1	Elastic Properties of Beam	(2 nos)	Civil Engg.	49998/	Good	27/4/13
2	Unsymmetrical Bending	(2 nos)	Civil Engg.	49998/	Good	27/4/13
3	Behaviour of columns	(2 nos)	Civil Engg.	49998/	Good	27/4/13
4	Sample supported Beam Apparatus	(2 nos)	Civil Engg.	49998/	Good	27/4/13
5	Pin jointed trust apparatus	(2 nos)	Civil Engg.	49998/	Good	27/4/13
6	Slopes & Deflection of Beam	(2 nos)	Civil Engg.	49998/	Good	27/4/13
7	Two Hinged Arc Apparatus	(2 nos)	Civil Engg.	49998/	Good	27/4/13
8	Three hinged of arch Apparatus	(2 nos)	Civil Engg.	49998/	Good	27/4/13
9	Cueved member Apparatus	(2 nos)	Civil Engg.	49998/	Good	27/4/13

Civil Engineering (Environmental Lab)

S. No.	Item description	Number of Items	Location Department	Value (in Rs.)	Present Condition	Date of Purchase
1	Respirable dust sampler APM 460 NL	1 nos.	Civil Engg.	90000/-	Good	03/02/13
2	Thermoele Cooled Gaseous Sanple att. APM - 411 TE	1 nos.	Civil Engg.	22770/-	Good	03/02/13
3	Handy Sampler APM-821	1 nos.	Civil Engg.	18000/-	Good	03/02/13
4	Personal Sampler APM-801	1 nos.	Civil Engg.	18900/-	Good	03/02/13
5	Spears and Acc. For APMI Chemical Kit Assembly	1 nos.	Civil Engg.	9000/-	Good	03/02/13
6	Sound level meter SLM-100	1 nos.	Civil Engg.	57600/-	Good	03/02/13
7	Micro meteoro Monitor WM- 271	1 nos.	Civil Engg.	139600/-	Good	03/02/13
8	BOD bottles	20 nos.	Civil Engg.	5500/-	Good	06/06/13
9	Heating Mantle (500ml)	1 nos.	Civil Engg.	1800/-	Good	06/06/13
10	Water Bath	1 nos.	Civil Engg.	5200/-	Good	27/06/13
11	BOD incubator	1 nos.	Civil Engg.	6200/-	Good	27/06/13
12	Digital Balance	1 nos.	Civil Engg.	9800/-	Good	27/06/13
13	Measuring Cylinder (250ml,500ml)	4 nos.	Civil Engg.	252/-	Good	27/06/13
14	Flame Photometer LT-671	1 nos.	Civil Engg.	45500/-	Good	07/06/13
15	Water soil analysis kit LT-59	1 nos.	Civil Engg.	30000/-	Good	07/06/13

16	TDS meter	1 nos.	Civil Engg.	3200/-	Good	07/06/13
17	PH meter LT-11	2 nos.	Civil Engg.	17600/-	Good	07/06/13
18	PH meter Portable	1 nos.	Civil Engg.	2800/-	Good	07/06/13
19	UV/US Spectrometer double micro process controller	1nos.	Civil Engg.	290000/-	Good	07/06/13

M. Tech. (Digital Communication) – Communication Lab

S. No.	Item Description	Number of Items	Location Department	Value (in Rs.)	Present condition	Date of Purchase
1	Caddo 801	1	Communication Lab	17900/-	Good	26.10.12
2	NV 223	1	Communication Lab	2500/-	Good	26.10.12
3	NV 228	1	Communication Lab	5500/-	Good	26.10.12
4	NV 240	1	Communication Lab	3700/-	Good	26.10.12
5	NV 247	1	Communication Lab	7750/-	Good	26.10.12
6	NV 9000	1	Communication Lab	104800/-	Good	26.10.12
7	ST 2111	1	Communication Lab	4500/-	Good	26.10.12
8	ST 2156	1	Communication Lab	13500/-	Good	26.10.12
9	ST2157	1	Communication Lab	13500/-	Good	26.10.12
10	ST 2502	1	Communication Lab	28500/-	Good	26.10.12
11	ST 2503	1	Communication Lab	13500/-	Good	26.10.12
12	NV6506	1	Electronics Lab II	5200	Good	15.02.13
13	NV6521	1	Electronics Lab II	4300	Good	25.02.13
14	NV6522	1	Electronics Lab II	6200	Good	15.02.13
15	NV6542	1	Electronics Lab II	6200	Good	15.02.13
16	NV6578	1	Electronics Lab II	14500	Good	12.03.13
6	Phase Shift Oscillator	1	Electronics Lab II	3000	Good	15.02.13
7	Sciencetech 801	4	Electronics Lab II	71600	Good	26.10.12
8	ST 2302	1	Electronics Lab II	15800	Good	25.02.13
9	ST 4061	1	Electronics Lab II	12500	Good	12.03.13
10	NV6550	1	CO Lab	4800	Good	15.02.13
11	NV6551A	2	CO Lab	9000	Good	12.03.13
12	NV6561	1	CO Lab	6200	Good	15.02.13
13	NV6562	1	CO Lab	5500	Good	12.03.13
14	NV6563	1	CO Lab	9800	Good	15.02.13
15	ST 85	3	CO Lab	20400	Good	12.03.13
16	ST 2652	1	CO Lab	92000	Good	12.03.13

17	Caddo 4092	1	Measurement Lab	9500	Good	15.02.13
18	Diode Voltmeter (Vinytics)	1	Measurement Lab	9500	Good	15.02.13
19	Lissagious Figer(Omega kit)	1	Measurement Lab	7500	Good	15.02.13
20	NV 6037	1	Measurement Lab	8800	Good	15.02.13
21	NV 6041	1	Measurement Lab	8700	Good	12.03.13
22	NV 6533	1	Measurement Lab	16500	Good	12.03.13
23	NV 6534	1	Measurement Lab	8900	Good	15.02.13
24	ST 2321	1	Measurement Lab	12000	Good	25.02.13
25	Pressure Sensor Transducer Trainer Kit	1	Measurement Lab	19000	Good	15.02.13

Computer System Details

S. No.	Items Description	Number of Items	Location/Building	Value (in Rs.)	Present Condition	Date of Purchase
1	Computer System	26	Admin Block	489450/-	Good	17.06.13
2	Computer System	29	B1	563151/-	Good	21.09.12
3	Computer System	156	B2	3524352/-	Good	01.08.12
4	Computer System	2	City Office	38838/-	Good	16.10.12
5	Computer System	5	Admin Block	92250/-	Good	08.08.13
6	Computer System	97	B2-66,Admin-13,B1-18	1785285/-	Good	20.08.13
7	Computer System	5	Admin Block	96250/-	Good	18.11.13
8	Computer System	1	Admin Block	38500/-	Good	20.01.14
9	Laptops	6	Admin Block	195900/-	Good	13.03.13

Bio-Technology Engineering (Bio-Technology Lab)

S. No.	Item Description	Numbers of Items	Location Department	Value (in Rs)	Present Condition	Date of Purchase
1	Autoclave	2	B1-101/102	144000	Good	7/8/2013
2	BOD Incubator	1	B1-101/102	78000	Good	7/8/2013
3	Electronics Balance	4	B1-101/102	96000	Good	7/8/2013
4	Elisa Reader/Microplate Reader	1	B1-101/102	225000	Good	7/8/2013
5	Fluorescent Microscope with attachment accessories	1	B1-101/102	348000	Good	7/8/2013
6	Incubator (Bacterial)	2	B1-101/102	120000	Good	7/8/2013
7	Micro centrifuge bench Top (10kRPM)	2	B1-101/102	52900	Good	7/8/2013
8	Micropipette R-1000	3	B1-101/102	37950	Good	7/8/2013
9	Micropipette R-100	3	B1-101/102	37950	Good	7/8/2013
10	Micropipette R-10	3	B1-101/102	37950	Good	7/8/2013
11	Mini Page dual	2	B1-101/102	27500	Good	7/8/2013
12	Orbital Shaker Incubator	1	B1-101/102	95000	Good	7/8/2013

13	Power Supply Digital Model	2	B1-101/102	65000	Good	7/8/2013
14	Thermal cycler or PCR Machine	1	B1-101/102	280000	Good	7/8/2013
15	U V Trans illuminator	1	B1-101/102	32500	Good	7/8/2013
16	U V VIS. Spectrophotometer	1	B1-101/102	215500	Good	7/8/2013
17	Water bath (10 Ltr.)	2	B1-101/102	85000	Good	7/8/2013
18	Advanced binocular coaxial Microscope	6	B1-101/102	123000	Good	13/06/130 1/08/13
19	Auto Digital PH Meter	2	B1-101/102	15800	Good	1/8/2013
20	Centrifuge Refrigerated Eltek	1	B1-101/102	113000	Good	27/09/13
21	Colorimeter	4	B1-101/102	35200	Good	1/8/2013
22	Desiccator Jsil 150mm	1	B1-101/102	2140	Good	1/8/2013
23	Digital Colony Counter	2	B1-101/102	9500	Good	7/10/2013
24	Deep Freezer (-20)	1	B1-101/102	74500	Good	7/10/2013
25	Electrophoresis apparatus with power supply	2	B1-101/102	37000	Good	1/10/2013
26	Glass double Distillation assembly	1	B1-101/102	29500	Not Good	1/8/2013
27	Hot air oven LSI	2	B1-101/102	42000	Good	14/09/13
28	Laminar air flow vertical LSI-133	2	B1-101/102	98600	Good	14/09/13
29	Magnetic Stirrer with hot plate LSI	4	B1-101/102	28000	Good	14/09/13
30	U V Double beam Spectrophoto meter	1	B1-101/102	215000	Good	1/8/2013
31	Water bath Shaker LSI	2	B1-101/102	41000	Good	14/09/13

Chemistry (Chemistry Lab)

S. No.	Item description	Number of Items	Location Department	Values (in Rs)	Present Condition	Date of Purchase
1	Colorimeter	1	B1-202 Chem Lab	36000	Good	08.07.2011
2	Distillation Unit (Steel)	1	B1-202 Chem Lab	7586	Good	08.07.2011
3	Distillation Unit (Glass)	1	B1-202 Chem Lab	7586	Good	08.07.2011
4	Electric Oven	1	B1-202 Chem Lab	8000	Good	08.07.2011
5	Electrical Balance	1	B1-202 Chem Lab	11890	Good	08.07.2011
6	Digital Balance	2	B1-202 Chem Lab	8500	Good	08.07.2011
7	Hot Plate	2	B1-202 Chem Lab	5900	Good	08.07.2011
8	pH meter	6	B1-202 Chem Lab	37200	Good	08.07.2011
9	Water Bath	2	B1-202 Chem Lab	12000	Good	08.07.2011
10	Melting Point Apparatus	1	B1-202 Chem Lab	2200	Good	08.07.2011
11	Analytical Balance	6	B1-202 Chem Lab	14100	Good	08.07.2011
12	Physical Balance	4	B1-202 Chem Lab	6400	Good	08.07.2011
13	Stop watch digital and analogue	8	B1-202 Chem Lab	14400	Good	08.07.2011

14	Heating Mantle	1	B1-202 Chem Lab	1500	Good	22.07.2013
15	Refrigerator	1	B1-202 Chem Lab	10000	Good	08.07.2011
16	Programmed Hydrothermal Oven	1	B1-210 Research Lab	85000	Good	24.09.2013
17	Stainless Steel Reactor	5	B1-210 Research Lab	85000	Good	24.09.2013
18	Reactor Stand with Driver	1	B1-210 Research Lab	3500	Good	24.09.2013
19	Heating Mantle	1	B1-210 Research Lab	1500	Good	24.09.2013
20	Remi Magnetic Stirrer with hot plate	1	B1-210 Research Lab	6500	Good	24.09.2013

Electrical Lab-UEE-1501/UEE-2501

S. No	Item Description	Number of Items	Location Department	Value (in Rs)	Present Condition	Date of Purchase
1.	Determination of efficiency of dc shut motor by load test complete set	1	Electrical Engineering	35,250	Good	14-07-2011
2.	To study speed control of dc shut motor by Armature control and field control complete set	1	Electrical Engineering	32,550	Good	14-07-2011
3.	To study running and reverse of a three phase induction motor complete set	1	Electrical Engineering	21,650	Good	14-07-2011
4.	To study of single phase energy meter and determine error complete set	1	Electrical Engineering	14,350	Good	14-07-2011
5.	AC to DC Power supply(S M P S type)	1	Electrical Engineering	74,950	Good	14-07-2011
6.	To study diode characteristics complete set	1	Electrical Engineering	7,900	Good	14-07-2011
7.	To study half wave bridge rectifier complete set	1	Electrical Engineering	7,900	Good	14-07-2011
8.	To study speed common base transistor characteristics complete set	1	Electrical Engineering	8,900	Good	14-07-2011
9	To study of measurement of efficiency of a single phase transformation by load test complete set	1	Electrical Engineering	26,250	Good	14-07-2011
10	To study verification thevenin and Norton theorem complete set	2	Electrical Engineering	7,900	Good	14-07-2011
11	CRO S. No.	1	Electrical Engineering	17,800	Good	04-06-2013

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Electronics Lab-UEC-3504

S. No	Item Description	Number of Items	Location	Value (in Rs)	Present Condition	Date of Purchase
1.	To plot V-I Characteristics of junction diode	1	Electrical Engg.	3,250	Good	22-08-2013
2.	To plot input output Character of C B Transistor	1	Electrical Engg.	3,300	Good	22-08-2013
3.	To plot input output Character of F E T	1	Electrical Engg.	3,200	Good	22-08-2013
4.	To Determine voltage current gain	1	Electrical Engg.	3,200	Good	22-08-2013
5.	To Determine voltage gain C E Amplifier	1	Electrical Engg.	3,150	Good	22-08-2013
6.	R-C Phase shift wein bridge oscillator	1	Electrical Engg.	3,200	Good	22-08-2013
7.	Study Transistor as a switch	1	Electrical Engg.	3,200	Good	22-08-2013
8.	O P-Amp base astable/monostable multivibrator	1	Electrical Engg.	3,200	Good	22-08-2013
9	I C Base of 555 based A/M Vibrator	1	Electrical Engg.	3,250	Good	22-08-2013
10	Operation multiplexer using IC 74138	1	Electrical Engg.	3,150	Good	22-08-2013
11	Study Adder/Subtractor	1	Electrical Engg.	3,150	Good	22-08-2013
12	Verify output of A/D & D/A Convertor	1	Electrical Engg.	4,800	Good	22-08-2013
13.	CRO S. No. 05132024, 06136484, 07132193	3	Electrical Engg.	53,400	Good	22.08.2013
14.	Function generator S.T-4061	3	Electrical Engg.	22,800	Good	22.08.2013
15.	Digital multimeter	7	Electrical Engg.	9,450	Good	22.08.2013

Network Lab-UEE-3502

S. No	Item Description	Number of Items	Location Department	Value (in Rs)	Present Condition	Date of Purchase
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1.	Experimental Setup to Study Determination of Z & H Parameter(DC Only)& Computation of Other Parameter	1	Electrical Engineering	3,868	Good	21-07-2013
2.	Experimental Setup to Study Determination of Driving Point & transfer Function of Two Port Ladder Network	1	Electrical Engineering	3,868	Good	21-07-2013
3.	Experimental Setup to Study Determination of Image & Characteristics of T & Pie Network	1	Electrical Engineering	4,037	Good	21-07-2013
4.	Experimental Setup to Study Verification of Parameters Properties in Inter-Connected Two Port Network :Series,	1	Electrical Engineering	3,868	Good	21-07-2013
5.	Experimental Setup to Study Frequency Response of Twin-Notch Filter with AC Mili-voltmeter	1	Electrical Engineering	12,580	Good	21-07-2013
6.	Experimental Setup to Study the Verification of Principle of superposition Theorem in AC & DC Source	1	Electrical Engineering	5,568	Good	21-07-2013
7.	Experimental Setup to Study the Verification of Thevenin,Norton &Maximum Theorem in AC Circuit	1	Electrical Engineering	5,397	Good	21-07-2013
8.	Experimental Setup to Study Verification of Tellegen Theorem to Two Resistive Network	1	Electrical Engineering	3,612	Good	21-07-2013
9.	Experimental Setup to Study Transient Response of RL & RC Circuit Series & Parallel	1	Electrical Engineering	3,187	Good	21-07-2013
10.	Experimental Setup to Study Transient Response of RLC Circuit Series & Parallel	1	Electrical Engineering	4,972	Good	21-07-2013
11.	Experimental Setup to Study Frequency Response of Series & Parallel RLC Circuit with AC Mili-voltmeter	1	Electrical Engineering	12,580	Good	21-07-2013
12.	CRO S. No. 07132190, 07132192	2	Electrical Engineering	35,600	Good	22.08.2013
13.	Function generator	1	Electrical Engineering	7,600	Good	22.08.2013

14.	D C Regulator Power supply	3	Electrical Engineering	29,400	Good	22.08.2013
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Power System Lab-PEE-1501

S. No.	Item Description	Number of Items	Location Department	Value (in Rs)	Present Condition	Date of Purchase
1.	Experimental Setup to Study Buchhoz Relay	1	Electrical Engineering	43,988	Good	3.12.2013
2.	Experimental Setup to Study IDMT Over Current Relay	1	Electrical Engineering	32,427	Good	3.12.2013
3.	Experimental Setup to Study Transformer Oil Test Setup	1	Electrical Engineering	22,482	Good	3.12.2013
4.	Experimental Setup to Study Separation of Iron Losses in Single Phase Transformer	1	Electrical Engineering	54,868	Good	3.12.2013
5.	Experimental Setup to Study Direct Axit Reactance (Xd)& Quadrature Axit Reactance (Xq) of a Salient Pole Alternator	1	Electrical Engineering	70,465	Good	3.12.2013
6.	Experimental Setup to Study Sub Transient Diect Axit Reactance (Xd ^{''})&Sub Transient Quadrature Axis Reactance	1	Electrical Engineering	65,408	Good	3.12.2013
7.	Experimental Setup to Study No Load & Short Circuit Test on Three Phase Alternator	1	Electrical Engineering	69,912	Good	3.12.2013
8.	Three Resistive Load 3.75 kw	1	Electrical Engineering	9,392	Good	3.12.2013
9.	Three Resistive Load 6 Amp	1	Electrical Engineering	19,423	Good	3.12.2013
10.	Three Resistive Load 5 Amp	1	Electrical Engineering	14,408	Good	3.12.2013
11.	Experimental Setup to Study Line to Line Fault	1	Electrical Engineering	50,023	Good	3.12.2013
12.	Experimental Setup to Study D C Power Supply 30 Amp	1	Electrical Engineering	63,707	Good	3.12.2013

Simulation Lab-UEE-3501

S. No	Item Description	Number of Items	Location Department	Value (in Rs)	Present Condition	Date of Purchase
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1.	Frequency response of an op-Amp Integral ckt	1	Electrical Engineering	3,250	Good	22.08.2013
2.	To determine node voltage & current in resistive network	1	Electrical Engineering	3,250	Good	22.08.2013
3.	Thevin's of equivalent of resistive network	1	Electrical Engineering	3,250	Good	22.08.2013
4.	To response of current in RL & RC ckt	1	Electrical Engineering	3,345	Good	22.08.2013
5.	Transient response of current in RLC ckt	1	Electrical Engineering	3,250	Good	22.08.2013
6.	Freq response of current in RLC ckt with sinusoidal	1	Electrical Engineering	3,350	Good	22.08.2013
7.	Verify truth table	1	Electrical Engineering	2,980	Good	22.08.2013
8.	To response of current in R L - C ckt with step current	1	Electrical Engineering	3,300	Good	22.08.2013
9.	Obtain frequency response of R C cuppled C E Amp	1	Electrical Engineering	3,200	Good	22.08.2013
10.	Obtain O/I characteristic of E C N-P- N transistor	1	Electrical Engineering	3,200	Good	22.08.2013
11.	Determine Z,Y,G,H & Transistor parameter	1	Electrical Engineering	3,450	Good	22.08.2013
12.	CRO S. No. 07125742, 07132195	2	Electrical Engineering	35,600	Good	22.08.2013
13.	Function generator	2	Electrical Engineering	15,200	Good	22.08.2013
14.	Digital multimeter	8	Electrical Engineering	10,800	Good	22.08.2013

