

**Information about the Equipments available in Atmiya University
ELECTRICAL ENGINEERING**

| Sr. | Item description | Location Department | Value (in Rs.) | Present Condition | Date of Purchase |
|------------|--|------------------------------|-----------------------|--------------------------|-------------------------|
| 1. | 150kV, 225J, 5-stage Complete Impulse Generator with Oscilloscope | Lab-42, Ground Floor, Wing-B | 601,569 | Working | 18-Jan-12 |
| 2. | Wind Energy Training System | Lab-45, Ground Floor, Wing-B | 380,387 | Working | 28-Mar-14 |
| 3. | Transformer Protection Simulation Panel with Resistance Box & Auto Transformer | Lab-44, Ground Floor, Wing-B | 354,799 | Working | 18-Jan-12 |
| 4. | Generator Protection Simulation with Motor & Generator Set | Lab-44, Ground Floor, Wing-B | 351,621 | Working | 18-Jan-12 |
| 5. | 400kV Transmission Line Simulation Study Panel | Lab-44, Ground Floor, Wing-B | 280,662 | Working | 18-Jan-12 |
| 6. | Solar Thermal Training System With Integrated Panel & Helogen Illumination System | Lab-45, Ground Floor, Wing-B | 250,975 | Working | 28-Mar-14 |
| 7. | Motor Protection Study Unit with AC Motor | Lab-44, Ground Floor, Wing-B | 238,298 | Working | 18-Jan-12 |
| 8. | DC Compound / Shunt Generator | Lab-46, Ground Floor, Wing-B | 221,340 | Working | 12-Aug-11 |
| 9. | DC Series Motor | Lab-46, Ground Floor, Wing-B | 219,127 | Working | 12-Aug-11 |
| 10. | DC Shunt Motor - Non Silent Pole Alternator With 3-Ph Resistive Load & Variable Inductive Load | Lab-46, Ground Floor, Wing-B | 215,527 | Working | 16-Jan-12 |
| 11. | DC Shunt Motor - Silent Pole Alternator with Auto Transformer | Lab-46, Ground Floor, Wing-B | 203,347 | Working | 16-Jan-12 |
| 12. | DC Shunt Motor - Salient Pole Alternator with Synchronization Panel with 5kW / 415V Resistive Load Bank | Lab-46, Ground Floor, Wing-B | 201,229 | Working | 16-Jan-12 |
| 13. | Solar PV Training & Research System With Solar Power Meter, Data Logger & Converter | Lab-45, Ground Floor, Wing-B | 174,575 | Working | 28-Mar-14 |
| 14. | 3-Ph Slip-ring Induction Motor Panel with 10A Auto Transformer & Rheostat | Lab-46, Ground Floor, Wing-B | 132,388 | Working | |
| 15. | DC Shunt Motor Panel - 1 | Lab-46, Ground Floor, Wing-B | 123,950 | Working | 12-Aug-11 |
| 16. | DC Shunt Motor Panel - 2 | Lab-46, Ground Floor, Wing-B | 123,950 | Working | 12-Aug-11 |
| 17. | DC Shunt Motor Panel - 3 | Lab-46, Ground Floor, Wing-B | 116,757 | Working | 12-Aug-11 |
| 18. | High Voltage Test with Control Panel, 50kV AC & 70kV DC with Transformer | Lab-42, Ground Floor, Wing-B | 115,000 | Working | 20-Aug-04 |
| 19. | Synchronous Motor V & Inverted-V Curve with Knife Switch | Lab-46, Ground Floor, Wing-B | 106,546 | Working | 16-Jan-12 |
| 20. | DC Motor Speed Control using 3-Ph Dual Converter (Motor + Mechanical Load + Phase Sequence Meter + Techometer + Transformer) | Lab-41, Ground Floor, Wing-B | 63,703 | Working | 16-Jan-12 |
| 21. | Speed Control of Synchronous Motor using 3-Ph Cycloconverter (0.5 HP Motor with Load + Phase Sequence Meter + Techometer) | Lab-41, Ground Floor, Wing-B | 63,703 | Working | 16-Jan-12 |
| 22. | 3-Ph Half & Full-controlled Diode Bridge Converter (1 HP DC Motor + Techometer + Phase Sequence Meter) | Lab-41, Ground Floor, Wing-B | 62,860 | Working | 16-Jan-12 |
| 23. | Load Test on 3- Ph Motor Performance Evaluation | Lab-46, Ground Floor, Wing-B | 61,428 | Working | 16-Jan-12 |
| 24. | Circle Diagram of 3 -Ph Induction Motor | Lab-46, Ground Floor, Wing-B | 61,428 | Working | 16-Jan-12 |
| 25. | Digital Storage Oscilloscope | Lab-41, Ground Floor, Wing-B | 60,000 | Working | 28-Mar-03 |
| 26. | Electro-mechanical Over Current Relay with Pure Sine Wave Injection Kit | Lab-44, Ground Floor, Wing-B | 56,800 | Working | 18-Jan-12 |

ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

| Sr. | Item description | Location Department | Value (in Rs.) | Present Condition | Date of Purchase |
|-----|--|------------------------------|----------------|-------------------|------------------|
| 1. | CRO with freq.counter (20MHZ- 201 FC) | Lab-137, First Floor, Wing-B | 17,836 | Working | 21-08-2002 |
| 2. | Delta/Adaptive Delta Modulation System(Scientech) ST-2105 | Lab-136, First Floor, Wing-B | 18,897 | Working | 21-08-2002 |
| 3. | TDM,PCM Transmitter(Scientech) ST-2103 | Lab-136, First Floor, Wing-B | 15,156 | Working | 21-08-2002 |
| 4. | TDM,PCM Reciever(Scientech) ST-2104 | Lab-136, First Floor, Wing-B | 15,156 | Working | 21-08-2002 |
| 5. | DSB/SSB AM Reciever(Scientech) ST-2202 | Lab-136, First Floor, Wing-B | 13,827 | Working | 21-08-2002 |
| 6. | DSB/SSB AM Transmitter(Scientech) ST-2201 | Lab-136, First Floor, Wing-B | 13,827 | Working | 21-08-2002 |
| 7. | FM Transmitter/Reciever(Scientech) ST-2203 | Lab-136, First Floor, Wing-B | 18,436 | Working | 21-08-2002 |
| 8. | CRO with Frequency Counter (20MHz dual trace)(201 Scientech) | Lab-136, First Floor, Wing-B | 17,836 | Working | 21-08-2002 |
| 9. | Tektronix TDS2012 two channel 100MHz DSO | Lab-136, First Floor, Wing-B | 94,905 | Working | 30-06-2003 |
| 10. | Tektronix TDS2002 two channel 60MHz DSO | Lab-136, First Floor, Wing-B | 75,000 | Working | 30-06-2003 |
| 11. | DSB / SSB AM tX trainer ST-2201 | Lab-136, First Floor, Wing-B | 14,923 | Working | 05-04-2011 |
| 12. | DSB / SSB AM Rx trainer ST-2202 | Lab-136, First Floor, Wing-B | 14,923 | Working | 05-04-2011 |
| 13. | Frequency Mod./Demodulation Trainer ST 2203 | Lab-136, First Floor, Wing-B | 17,837 | Working | 05-04-2011 |
| 14. | Delta, adeptive delta trainer ST -2105 | Lab-136, First Floor, Wing-B | 17,443 | Working | 05-04-2011 |
| 15. | PCM / Tx trainer ST-2103 | Lab-136, First Floor, Wing-B | 15,356 | Working | 05-04-2011 |
| 16. | TDM PCM / Rx Trainer ST-2104 | Lab-136, First Floor, Wing-B | 15,356 | Working | 05-04-2011 |
| 17. | PAM- PPM- PWM mod & demod. Trainer ST-2110 | Lab-136, First Floor, Wing-B | 14,569 | Working | 05-04-2011 |
| 18. | Data formatting & Carrier Tx ST-2106 | Lab-136, First Floor, Wing-B | 14,352 | Working | 17-02-2011 |
| 19. | Data formatting & Carrier Rx ST-2107 | Lab-136, First Floor, Wing-B | 14,352 | Working | 17-02-2011 |
| 20. | GSM Evoluton Kit ST 2133 | Lab-136, First Floor, Wing-B | 1,38,206 | Working | 17-02-2011 |
| 21. | Mobile Phone Trannier ST 2132 | Lab-136, First Floor, Wing-B | 51,187 | Working | 17-02-2011 |
| 22. | CDMA Trannier ST 2115 | Lab-136, First Floor, Wing-B | 42,525 | Working | 17-02-2011 |
| 23. | Spectrum Analyser SA-3011 | Lab-136, First Floor, Wing-B | 80,325 | Working | 15-09-2011 |
| 24. | MT KLYSTRON (FALCON) | Lab-135, First Floor, Wing-B | 42,187 | Working | 27-07-2012 |
| 25. | MT ADVANCE (FALCON) | Lab-135, First Floor, Wing-B | 42,187 | Working | 27-07-2012 |
| 26. | RFT A (GW INSTEK) (GRF-3300) | Lab-135, First Floor, Wing-B | 1,60,312 | Working | 27-07-2012 |
| 27. | CRO with Freq. Counter - ST 221 (Scientech) | Lab-133, First Floor, Wing-B | 23,045 | Working | 21-08-2002 |
| 28. | Link-A FOC trainer kit -Falcon | Lab-133, First Floor, Wing-B | 26,662 | Working | 12-2-2012 |
| 29. | Antenna Trainer Kit - scientech | Lab-133, First Floor, Wing-B | 74,529 | Working | 06-03-2014 |
| 30. | ARM V6 & V7 Development Board | Lab-131, First Floor, Wing-B | 17,293 | Working | 28-02-2009 |
| 31. | CRO with freq.counter(20 MHz,Dual Trace)ST-201 Scientech | Lab-131, First Floor, Wing-B | 17,334 | Working | 21-08-2002 |
| 32. | DSO with 100 MHz - TDS 2012 (Tektronix) | Lab-130, First Floor, Wing-B | 94,905 | Working | 30-06-2003 |
| 33. | Project Work Bench | Lab-130, First Floor, Wing-B | 33,644 | Working | 20-08-2011 |

COMPUTER ENGINEERING

| Sr. | Item description | Location Department | Value (in Rs.) | Present Condition |
|-----|------------------------|---------------------|----------------|-------------------|
| 1 | DESKTOP COMPUTER (196) | B WING LAB (B1-B7) | 513498 | Working |

MECHANICAL ENGINEERING

| Sr. | Item description | Location Department | Value (in Rs.) | Present Condition | Date of Purchase |
|-----|---|--|----------------|-------------------|------------------|
| 1. | Water Cooler Trainer | Air - Conditioning Lab | 53380 | Working | 20/3/2008 |
| 2. | Evaporative Cooler Apraratus | Air - Conditioning Lab | 33915 | Working | 20/3/2008 |
| 3. | Vapour Absorption Test Rig | Air - Conditioning Lab | 69469 | Working | 30/09/2016 |
| 4. | Recirculation type air conditioning Test Rig | Air - Conditioning Lab | 203063 | Working | 30/09/2016 |
| 5. | Refrigeration tool kit | Air - Conditioning Lab | 16031 | Working | 30/09/2016 |
| 6. | Cut model of 2 stroke single cylinder petrol engine | Automobile Lab | 11020 | Working | 28/9/2011 |
| 7. | Cut model of Automatic Gearbox without Torque Converter - Cielo | Automobile Lab | 21000 | Working | 28/9/2011 |
| 8. | Cut model of flyid fluwheel | Automobile Lab | 12850 | Working | 28/9/2011 |
| 9. | Cut model of power Steering system | Automobile Lab | 11750 | Working | 28/9/2011 |
| 10. | cut model of Synchromesh Gearbox | Automobile Lab | 11320 | Working | 28/9/2011 |
| 11. | Demonstration board of Electronic Ignition system of 4 wheeler | Automobile Lab | 16780 | Working | 28/9/2011 |
| 12. | Cut model of Transfer case assembly | Automobile Lab | 19350 | Working | 6/12/2011 |
| 13. | Ambassador Car disassembled | Automobile Lab | 29000 | Working | 8/8/2011 |
| 14. | Two stroke engine model | Thermal Lab I | 56000 | Working | 8/8/2001 |
| 15. | Air compressor test rig (double stage reciprocating | Thermal Lab I | 67200 | Working | 2/7/2002 |
| 16. | Single cylinder vertical diesel engine | Thermal Lab II | 10768 | Working | 10/7/2000 |
| 17. | Metallurgical microscope model no -77 magnification -1500x | Material Technology & Mechanical Measurement Lab | 34595 | Working | 28/6/2006 |
| 18. | Microscopic specimen set of 23 std samples | Material Technology & Mechanical Measurement Lab | 21037 | Working | 28/6/2006 |
| 19. | Rockwell hardness testing machine load range 60-/87.5kg | Material Technology & Mechanical Measurement Lab | 23842 | Working | 28/6/2006 |
| 20. | Muffle furnace temp - range 0 -1200°c | Material Technology & Mechanical Measurement Lab | 20289 | Working | 28/6/2006 |
| 21. | Vernier height gauge range -0-300mm model - 572-312 "mitutoyo" | Material Technology & Mechanical Measurement Lab | 19110 | Working | 28/6/2006 |
| 22. | Bevel protractor model 180-907 make 'mitutoyo' | Material Technology & Mechanical Measurement Lab | 11213 | Working | 28/6/2006 |
| 23. | Outside micrometer model 103-129 make | Material Technology & Mechanical | 21451 | Working | 22/8/2006 |

| | | Measurement Lab | | | |
|-----|--|--|--------|---------|------------|
| 24. | "D.E.E."make dead weight pressure gauge tester | Material Technology & Mechanical Measurement Lab | 25312 | Working | 16/10/2006 |
| 25. | Single disc polishing m/c | Material Technology & Mechanical Measurement Lab | 17727 | Working | 22/2/2006 |
| 26. | Renolds apparatus | Fluid Mechanics & Fluid Power Engineering Lab | 12400 | Working | 29/5/2006 |
| 27. | Bernoullis theorem apparatus | Fluid Mechanics & Fluid Power Engineering Lab | 18560 | Working | 29/5/2006 |
| 28. | Losses in pipe fitting apparatus | Fluid Mechanics & Fluid Power Engineering Lab | 17440 | Working | 29/5/2006 |
| 29. | Losses in pipe friction apparatus | Fluid Mechanics & Fluid Power Engineering Lab | 16240 | Working | 29/5/2006 |
| 30. | Inpact of jet apparatus | Fluid Mechanics & Fluid Power Engineering Lab | 14400 | Working | 29/5/2006 |
| 31. | Flow visulisation apparatus | Fluid Mechanics & Fluid Power Engineering Lab | 11520 | Working | 29/5/2006 |
| 32. | Flow over notches apparatus | Fluid Mechanics & Fluid Power Engineering Lab | 15680 | Working | 29/5/2006 |
| 33. | Flow measurement by vernturimeter & orificemeter | Fluid Mechanics & Fluid Power Engineering Lab | 26936 | Working | 8/7/2006 |
| 34. | Francis turbine test rig | Fluid Mechanics & Fluid Power Engineering Lab | 187200 | Working | 8/7/2006 |
| 35. | pelton wheel turbine test rig 1 kw | Fluid Mechanics & Fluid Power Engineering Lab | 93184 | Working | 8/7/2006 |
| 36. | Pressure Measurement Appartus (Recirculation Type) | Fluid Mechanics & Fluid Power Engineering Lab | 37406 | Working | 30/09/2016 |
| 37. | Piezo-Meter Test Rig | Fluid Mechanics & Fluid Power Engineering Lab | 26719 | Working | 30/09/2016 |
| 38. | Pitot Tube Test Rig | Fluid Mechanics & Fluid Power Engineering Lab | 48094 | Working | 30/09/2016 |
| 39. | Nozzle Meter Test Rig | Fluid Mechanics & Fluid Power Engineering Lab | 29925 | Working | 30/09/2016 |
| 40. | Redwood Appartus | Fluid Mechanics & Fluid Power Engineering Lab | 34200 | Working | 30/09/2016 |
| 41. | Saybolts Appartus | Fluid Mechanics & Fluid Power Engineering Lab | 26719 | Working | 30/09/2016 |
| 42. | Kaplan Turbine Test Rig | Fluid Mechanics & Fluid Power Engineering Lab | 288563 | Working | 30/09/2016 |
| 43. | Reciprocating Pump Test Rig | Fluid Mechanics & Fluid Power Engineering Lab | 52369 | Working | 30/09/2016 |

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| 44. | Orifice & Mouth Piece Appartus | Fluid Mechanics & Fluid Power Engineering Lab | 46308 | Working | 4/19/2017 |
| 45. | Motorised gyroscope apparatus | Theory Of Mechanics/Dynamics Lab | 14640 | Working | 29/5/2006 |
| 46. | Cam analysis apparatus | Theory Of Mechanics/Dynamics Lab | 17250 | Working | 29/5/2006 |
| 47. | Epicyclic gear train & torqe apparatus | Theory Of Mechanics/Dynamics Lab | 44000 | Working | 29/5/2006 |
| 48. | Coriollis comporent of acceleratun apparatus | Theory Of Mechanics/Dynamics Lab | 445600 | Working | 29/5/2006 |
| 49. | Whirling of shaft demonstrator | Theory Of Mechanics/Dynamics Lab | 23296 | Working | 8/7/2006 |
| 50. | Static & dynamic balancing apparatus | Theory Of Mechanics/Dynamics Lab | 18720 | Working | 8/7/2006 |
| 51. | Journal bearing apparatus | Theory Of Mechanics/Dynamics Lab | 45240 | Working | 8/7/2006 |
| 52. | Governor apparatus | Theory Of Mechanics/Dynamics Lab | 24648 | Working | 8/7/2006 |
| 53. | Universal vibration apparatus | Theory Of Mechanics/Dynamics Lab | 57408 | Working | 8/7/2006 |
| 54. | Apparatus of thermal cond.of insulating powder | Heat & Mass Transfer Lab | 14280 | Working | 4/4/2007 |
| 55. | Apparatus of thermal cond.of metal bar | Heat & Mass Transfer Lab | 14025 | Working | 4/4/2007 |
| 56. | Apparatus of thermal cond. by guraded hot plate (solid) | Heat & Mass Transfer Lab | 15130 | Working | 4/4/2007 |
| 57. | Apparatus of heat transfer from pin fin | Heat & Mass Transfer Lab | 14025 | Working | 4/4/2007 |
| 58. | Apparatus of heat transfer forced convection | Heat & Mass Transfer Lab | 13940 | Working | 4/4/2007 |
| 59. | Apparatus of heat in natural convection | Heat & Mass Transfer Lab | 13770 | Working | 4/4/2007 |
| 60. | Apparatus of heat transfer through composite wall | Heat & Mass Transfer Lab | 13430 | Working | 4/4/2007 |
| 61. | Apparatus of parallel flow con. Flow heat exchanger | Heat & Mass Transfer Lab | 13770 | Working | 4/4/2007 |
| 62. | Apparatus of emmissivity measurement | Heat & Mass Transfer Lab | 13175 | Working | 4/4/2007 |
| 63. | Apparatus of stephen boltzman | Heat & Mass Transfer Lab | 13345 | Working | 4/4/2007 |
| 64. | Apparatus of heat transfer through Pipe | Heat & Mass Transfer Lab | 15980 | Working | 4/4/2007 |
| 65. | Apparatus of critical radius of heat material | Heat & Mass Transfer Lab | 15215 | Working | 4/4/2007 |
| 66. | Hack saw machine | Workshop Lab | 20750 | Working | 30/11/2000 |
| 67. | Electrical drill | Workshop Lab | 5300 | Working | 10/11/2000 |
| 68. | Pillar Type Drilling M/C | Workshop Lab | 10750 | Working | 30/11/2000 |
| 69. | Out side micrometer 0-100mm | Workshop Lab | 11000 | Working | 2/12/2000 |
| 70. | Vernier caliper 0-200mm | Workshop Lab | 4400 | Working | 2/12/2000 |
| 71. | hand operated shear | Workshop Lab | 4350 | Working | 15/12/2000 |
| 72. | Grinder machine (2000 RPM 440 V) | Workshop Lab | 3900 | Working | 18/12/2000 |
| 73. | Surface Plate | Workshop Lab | 3600 | Working | 17/1/2001 |
| 74. | Lathe machine (Donated Equivalent Cost) | Workshop Lab | 89000 | Working | 20/1/2001 |
| 75. | Welding M/C & equipments (300 amp) | Workshop Lab | 9840 | Working | 24/2/2001 |
| 76. | Sheet Metal Bending M/c | Workshop Lab | 7750 | Working | 22/5/2001 |
| 77. | Thickness Planner With molding Attachment | Workshop Lab | 21200 | Working | 23/4/2002 |
| 78. | Surface planner with Circular saw | Workshop Lab | 9650 | Working | 23/4/2002 |
| 79. | Runup brand 14"stroke shaping machine with motor | Workshop Lab | 70200 | Working | 1/4/2006 |
| 80. | Suraj machine tools universal geared milling m/c model no 2 with vertical,dividing head milling swival base vice and electricals | Workshop Lab | 143208 | Working | 3/24/2006 |

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|------|---|-----------------------------|---------|---------|------------|
| 81. | 10kVA Spot welding m/c with timer rajlaxami brand | Workshop Lab | 20883 | Working | 3/24/2006 |
| 82. | a) Elec.motor 1H.P,3phase,1440rpm A class (15 nos) | Workshop Lab | 54000 | Working | 3/24/2006 |
| 83. | c) 160 Sj3 turbo true chuck self centring chuck | Workshop Lab | 51360 | Working | 3/24/2006 |
| 84. | d) 200 Si turno chuck self centring chuck | Workshop Lab | 486200 | Working | 3/24/2006 |
| 85. | TMT brand 41/2 feet lathe m/c harden bed, norten gear box and std accessories AABFT16061(tirupati m/c tools) (15 nos) | Workshop Lab | 468000 | Working | 3/24/2006 |
| 86. | a)all geared lathe 5'ft. | Workshop Lab | 67500 | Working | 3/24/2006 |
| 87. | b)Kohinoor brand slotting m/c 10" with ro. Table with std acc. | Workshop Lab | 27500 | Working | 3/24/2006 |
| 88. | Jyoti make CNC turning Centre modelDX150 with siemens controller and all standard Accessories and Electricals | CIM Lab Workshop | 1450005 | Working | 21/12/2011 |
| 89. | Jyoti make CNC Vertical machining Centre model PX10 with All Standard Accessories and Electricals | CIM Lab Workshop | 1708272 | Working | 21/12/2011 |
| 90. | C272,06.R.01-09 BORING BAR | CIM Lab Workshop | 13181 | Working | 21/12/2011 |
| 91. | KWELKI/BT40 | CIM Lab Workshop | 11793 | Working | 21/12/2011 |
| 92. | A211 .50.R.05.11 | CIM Lab Workshop | 29553 | Working | 21/12/2011 |
| 93. | C211.25.R.03-11B-32 | CIM Lab Workshop | 22579 | Working | 21/12/2011 |
| 94. | SPARES AIRDRIER 20 SCFMQ 10.5KG/CM | CIM Lab Workshop | 39375 | Working | 21/12/2011 |
| 95. | "Toyo' Air Compressor Sdy5 With 3hp 3q Electric Motor V Belt A Switch | CIM Lab Workshop | 27450 | Working | 21/12/2011 |
| 96. | Champ Tig 300p | Adv Welding Lab Workshop | 100800 | Working | 10/9/2013 |
| 97. | Champ Mig 400 | Adv Welding Lab Workshop | 110210 | Working | 3/9/2013 |
| 98. | Gas Welding/Cutting Toarch | Adv Welding Lab Workshop | 17000 | Working | 6/2/2014 |
| 99. | Champ 250 Inverter | Adv Welding Lab Workshop | 42500 | Working | 6/2/2014 |
| 100. | Lathe Tool Dynamometer | Pt Lab Workshop | 33953 | Working | 17/7/2013 |
| 101. | Milling Tool Dynamometer | Pt Lab Workshop | 44991 | Working | 17/7/2013 |
| 102. | Digital Ultrasonic Flaw Detector Einstein-II TFT | Ndt Lab Material Technology | 197697 | Working | 17/7/2013 |
| 103. | Cognifront Engineering Graphics Teacher version Software | Engineering Drawing Lab | 14112 | Working | 12/10/2010 |
| 104. | Cut section model for maruti 800 CC/ van MPFI car engine Assembly with Radiator, clutch, gear box, etc. (working) | I.C. Engine Lab | 64915 | Working | 30/1/2013 |
| 105. | Sand Muller (5 Kg) | Foundry Lab | 44672 | Working | 3/12/2014 |
| 106. | Sand Siever | Foundry Lab | 35190 | Working | 3/12/2014 |
| 107. | Universal Strength Machine [Mechanical & Digital] | Foundry Lab | 84554 | Working | 3/12/2014 |
| 108. | Sand Washer | Foundry Lab | 13978 | Working | 3/12/2014 |
| 109. | Permeability Tester [Electric] | Foundry Lab | 43499 | Working | 3/12/2014 |
| 110. | Sand Rammer | Foundry Lab | 14174 | Working | 3/12/2014 |

Civil Engineering Department

| Sr. | Item description | Location Department | Value (in Rs.) | Present Condition | Date of Purchase |
|-----|---|--|----------------|-------------------|------------------|
| 1 | Horizon Model Ads103 Single Prism Reflector System | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.33 | 38000 | Working | 9/8/2000 |
| 2 | Horizon Model 4024 Automatic Level 24X In Use With Tripod | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.33 | 17500 | Working | 9/8/2000 |
| 3 | Roter Model Tvt-20Es Transite Vernier Theodolite 20 Inch | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.33 | 12500 | Working | 22/10/2001 |
| 4 | Sieve Shaker Gyrotory Motorised Gayrotory Motion With Timer | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.37 | 17060 | Working | 30/11/2001 |
| 5 | Vibrating Machine | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.37 | 33100 | Working | 30/11/2001 |
| 6 | Yash Resprable Dust Sampler With High Volume Sampler For The Monitoring Of Rpm, Spm, So2 Nox And Other Gaseous Pollution In The Ambient Air With Gaseous Asembly And S.S. Cyclone Assembly Model Hns/Hvs/21 | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.34 | 38500 | Working | 1/3/2005 |
| 7 | Yash Stack Monitoring Kit With Control Module Velocity Kit, Trnocuple Thimble Holder Pitot Tube, Etc For Flue Gas Monitoring | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.34 | 48500 | Working | 1/3/2005 |
| 8 | Permiability Mould Without Water Tank | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.35 | 57500 | Working | 28/06/2011 |
| 9 | Ring & Ball Apparatus Electrically Operated A.C. Motor | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.38 | 10500 | Working | 12/11/2014 |
| 10 | Viscometer Tar With Regulator | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.38 | 12500 | Working | 12/11/2014 |
| 11 | Bitumen Extractor | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.38 | 16650 | Working | 12/11/2014 |
| 12 | Ductility Testing Machine (For Bitumen) | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.38 | 10000 | Working | 5/12/2014 |
| 13 | Cbr Load Frame | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.35 | 29250 | Working | 5/12/2014 |
| 14 | Direct Shear Apparatus - Motorised - Single Speed - W/O. Proving Ring & Dial Guage | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.35 | 58320 | Working | 5/12/2014 |
| 15 | Standard Penetration Test Apparatus | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.35 | 61200 | Working | 5/12/2014 |
| 16 | Swell Test Apparatus | AITs MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.35 | 29295 | Working | 5/12/2014 |

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| 17 | Ph Meter- Table Model (Mtc) - Model | AITS MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.34 | 11400 | Working | 25/12/2017 |
| 18 | Cod Digestion Apparatus-For 6 Samples | AITS MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.34 | 18525 | Working | 25/12/2017 |
| 19 | Flocculator-Jar Test Apparatus- Ms Body With Digital Rpm Indicator- 1 Lit.* 2 Stirrer | AITS MAIN BUILDING, B-WING, GROUND FLOOR, LAB NO.34 | 18620 | Working | 25/12/2017 |

PHYSICS LABORATORY

| Sr. | Item description | Location Department | Value (in Rs.) | Present Condition | Date of Purchase |
|-----|--|--|----------------|-------------------|------------------|
| 1. | Instrumental Kit of A-92 Newton's Law of Cooling | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 1076 | Working | 9/18/2008 |
| 2. | Instrumental Kit of Resonance Tube | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 3250 | Working | 9/18/2008 |
| 3. | Instrumental Kit of P-N Junction Diode | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 3860 | Working | 9/18/2008 |
| 4. | Instrumental Kit of Zener Diode | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 3250 | Working | 9/18/2008 |
| 5. | Instrumental kit of Young Modulus - Searle's Method (Iron) | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 600 | Working | 7/22/2009 |
| 6. | Instrumental Kit of Kundt's Tube Method | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 2500 | Working | 7/22/2009 |
| 7. | Instrumental Kit of Four Probe Method | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 15210 | Working | 7/22/2009 |
| 8. | Multi Meters | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 800 | Working | 11/15/2011 |
| 9. | Instrumental Kit of A-92 Newton's Law of Cooling | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 10240 | Working | 9/12/2012 |
| 10. | Instrumental Kit of P-N Junction Diode | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 14800 | Working | 9/12/2012 |
| 11. | Instrumental Kit of Zener Diode | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 12800 | Working | 9/12/2012 |
| 12. | Instrumental Kit of LED | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 12800 | Working | 9/12/2012 |
| 13. | Instrumental kit of Young Modulus - Searle's Method (Iron) | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 5900 | Working | 9/12/2012 |
| 14. | Instrumental kit of Solar Cell | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 16000 | Working | 9/12/2012 |

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| 15. | Instrumental Kit of Four Probe Method | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 57000 | Working | 9/12/2012 |
| 16. | Instrumental Kit of Resonance Tube | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 41338 | Working | 10/9/2012 |
| 17. | Ultrasonic Measurement Trainer Kit. NV-6109 | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 27991 | Working | 25/07/2016 |
| 18. | Hysteresis loop Trainer NV-6108 | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 37000 | Working | 25/07/2016 |
| 19. | Elementary Fibre Optic Sciencetech 2501 | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 26000 | Working | 25/07/2016 |
| 20. | Multiple DC Power Supply ST-4074 | Physics Lab 340 3rd Floor, H & S Dept GF B-wing | 7000 | Working | 25/07/2016 |

PHARMACY LABORATORY

| Sr. | Item description | Location Department | Value (in Rs.) | Present Condition | Date of Purchase |
|-----|--|---------------------------------|----------------|-------------------|------------------|
| 27. | DISSOLUTION TEST APPARATUS | Lab-423/D, Fourth Floor, Wing-A | 98,800 | Working | 06-Sep-07 |
| 28. | SHIMADZU U.V. SPECTROPHOTOMETER UV-1700 | Lab-423/A, Fourth Floor, Wing-A | 3,71,250 | Working | 13-Jul-07 |
| 29. | TABLETING MACHINE 8 STN GMP MODEL | Lab-423/E, Fourth Floor, Wing-A | 1,30,000 | Working | 29-Aug-08 |
| 30. | HORIZENTE LAMINAR AIR FLOW UNIT | Lab-418, Fourth Floor, Wing-A | 1,26,000 | Working | 20-Mar-09 |
| 31. | BROOKFIELD PROGRAMMABLE RHEOMETER | Lab-423/A, Fourth Floor, Wing-A | 2,16,956 | Working | 05-May-09 |
| 32. | HPLC SYSTEM SHIMADZU | Lab-423/A, Fourth Floor, Wing-A | 7,05,460 | Working | 30-Jun-09 |
| 33. | REMI MICRO PROCESSOR CONTROLLED ENV TEST CHAMBER | Lab-423/D, Fourth Floor, Wing-A | 1,04,647 | Working | 24-Dec-10 |
| 34. | ORBITAL SHAKING INCUBATOR NOVA | Lab-423/E, Fourth Floor, Wing-A | 1,47,945 | Working | 05-Dec-10 |
| 35. | HIGH VOLUME, HIGH SPEED FLOOR MODEL COOLING CENTRIFUGE | Lab-423/D, Fourth Floor, Wing-A | 2,96,253 | Working | 05-Sep-12 |

SCIENCE LABORATORY

| Sr. | Item description | Location Department | Value (in Rs.) | Present Condition | Date of Purchase |
|-----|---|--|----------------|-------------------|------------------|
| 1. | HPLC/Prep. HPLC with Fraction Collector | Central Instrument Facility | 2016425 | Working | 30/01/2013 |
| 2. | GCMS | Central Instrument Facility | 3690000 | Working | 18/03/2014 |
| 3. | FTIR with ATR facilities | Central Instrument Facility | 950000 | Working | 04/07/2011 |
| 4. | UV-Visible (Qty - 4) | Central Instrument Facility, Chemistry & Microbiology | 1470000 | Working | 13/12/2012 |
| 5. | UV Carry 60 (New Technology) | Central Instrument Facility | 369000 | Working | 27/02/2015 |

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| 6. | Prep. Flash Chromatography with TLC image reader | Central Instrument Facility | 800000 | Working | 18/11/2014 |
| 7. | Atomic Absorption Spectrophotometer(AAS) | Soil Testing Laboratory | 1230000 | Working | 06/01/2017 |
| 8. | Microwave Plasma Assisted Atomic Emission Spectroscopy | Central Instrument Facility | 2500000 | Working | |
| 9. | Lyophilizer (Freeze Dryer) | Central Instrument Facility | 900000 | Working | 18/11/2014 |
| 10. | Karl-Fischer Moisture Analyzer | Soil Testing Laboratory | 100000 | Working | 04/07/2011 |
| 11. | Parallel synthesizer | Central Instrument Facility | 1200150 | Working | 18/03/2014 |
| 12. | Microwave synthesizer | Chemistry Research Lab | 800000 | Working | 06/09/2011 |
| 13. | Rotary evaporator | Biotech Research Lab | 60147 | Working | 31/3/2011 |
| 14. | Continues flow Chemistry reactor | Central Instrument Facility | 1369000 | Working | 28/03/2014 |
| 15. | Water Purifier | Biochem Research Lab | 471754 | Working | 27/9/2012 |
| 16. | Ultra-low Temperature (-80 °C) Refrigerator | Central Instrument Facility | 525000 | Working | 17/3/2010 |
| 17. | Inverted Microscope (Evos) (Qty – 4) | Central Instrument Facility | 1347600 | Working | 22/09/2014 |
| 18. | Inverted Microscope (Evos) (Qty – 1) | Central Instrument Facility | 500000 | Working | 22/09/2014 |
| 19. | Vacuum Oven | Central Instrument Facility | 300000 | Working | 17/11/2014 |
| 20. | High Speed Refrigerated Centrifuge + 3 Fixed angle Rotor | Central Instrument Facility | 1460000 | Working | 23/2/2013 |
| 21. | BioSpectrometer | Microbiology Lab | 325000 | Working | 30/3/2012 |
| 22. | Electroporator | Biochemistry Lab | 170625 | Working | 29/9/2011 |
| 23. | Clean Bench Biohazard Type II Biosafety Cabinet (2) | Microbiology Lab | 605640 | Working | 12/12/2012 |
| 24. | Ultrapure water Purification System | Biochemistry Lab | 471754 | Working | 27/9/2012 |
| 25. | Sonics Ultrasonic Processor | Central Instrument Facility | 299520 | Working | 4/10/2010 |
| 26. | Microwave Digestion System | Central Instrument Facility | 1175280 | Working | 23/11/2017 |
| 27. | Modular Circular Polarimeter | Central Instrument Facility | 583130 | Working | 23/11/2017 |
| 28. | Automatic Digital Refractometer | Central Instrument Facility | 583131 | Working | 23/11/2017 |
| 29. | High Volume High Speed Floor Model Cooling centrifuge | Biotech & Microbiology Lab | 530880 | Working | 12/12/2012 |
| 30. | Deep Freeze | Micro Lab | 144900 | Working | |
| 31. | Filter Based Microplate Photometer | Para Medical Laboratory | 435195 | Working | 20/03/2014 |
| 32. | CO ₂ Incubator | Biotech Lab | 317000 | Working | 12/10/2014 |
| 33. | Binocular Microscope with Camera & Motic Images Plus 2.0 Software | Central Instrument Facility | 90000 | Working | 30/11/2014 |
| 34. | Stirred Water Bath - SS body | Micro Lab | 39264 | Working | 18/08/2017 |
| 35. | Vertical Autoclave SLEFA – Single lever Fully Automatic – Top Loading | Micro Lab | 274527 | Working | 18/08/2017 |
| 36. | Dissolved Oxygen Meters (Qty – 2) | Central Instrument Facility | 292262 | Working | 19/08/2017 |
| 37. | pH/mV Bench meter with Electrode stand, 9615S-10D glass-body refillable pH electrode, 502-S (pH 4.01, 7.00, 10.01, 3.33M KCl - 250ml each) Qty. 2) | Central Instrument Facility | 182947 | Working | 19/08/2017 |
| 38. | Compact bead mill | Central Instrument Facility | 3517500 | Working | |
| 39. | Robotic workstation for automated purification of DNA, RNA, or proteins | | | Working | |
| 40. | Innovative High-Speed Microfluidic Uv/Vis Spectrophotometer | | | Working | |
| 41. | Fully Automated Capillary Electrophoresis System | | | Working | |

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| 42. | Real Time PCR | | | Working | |
| 43. | Fully Automated Biochemistry Analyzer | | 1107750 | Working | 31/07/2015 |
| 44. | Semi Automated Biochemistry Analyzer | | | Working | |
| 45. | 3 Parts Differential Haematology Analyzer | | | Working | |
| 46. | Immunology -Elisa Reader | | | Working | |
| 47. | Immunology -Elisa Washer | | | Working | |
| 48. | Coagulation- 2 Channel Coagulometer | | | Working | |
| 49. | ESR | | | Working | |
| 50. | Fermentor | | | 1200000 | Working |