

Jawaharlal Nehru Government Engineering College Sundernagar Mandi HP

Department of Textile Engineering

List of Equipment/Facilities in available in the department

| Yarn Manufacturing Laboratory | | | |
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| S.No | Name of Machine/Equipments | Quantity | Detail of Supplier/Manufacturer along with address |
| 1. | Trash Analyser | 01 | M/s. Spectrum Instrument, Bhojpur, Sundernagar |
| 2. | Comber M/C E7/4, MIC No. 841,1984 | 01 | Auro Spinning Mills Baddi, Solan Vardhman (Donated) |
| 3. | Carding Machine C1/3, Machine No. 3263, (Year 1992) | 01 | Auro Spinning Mill Baddi Nalagarh, Solan Vardhman (Donated) |
| 4. | Draw Frame DO/25 (Year 1992) | 01 | Arihant Spinning Mill Malerkotla Punjab Vardhman (Donated) |
| 5. | Monocylinder | 01 | M/s. Vardhman Spinning Mills Nalagarh |
| 6. | ERM B5 | 01 | M/s. Vardhman Spinning Mills Nalagarh |
| 7. | High Speed Ring Frame | 01 | Indian Trading Corp. Ahmedabad |
| 8. | Speed frame machine | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 9. | Compact Ring Spining | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 10. | Rotar Spining machine | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 11. | Two for one Twisting | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 12. | Fancy Doubling | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| Textile Chemical Processing lab | | | |
| 1. | Laboratory Jigger Machine | 01 | Spectrum Instruments Bhojpur |
| 2. | Laboratory winch dying | 01 | Spectrum Instruments Bhojpur |
| 3. | Laboratory Padding Mangle | 01 | Spectrum Instruments Bhojpur |
| 4. | Colour Matching Cabinet | 01 | M/s. Surya Systems Ahmedabad |
| 5. | Lab conditioning Chamber | 01 | M/s. Surya Systems Ahmedabad |
| 6. | Water bath double Walls | 06 | M/s. Bansal Industries Corp. Nadaun, Hamirpur |
| 7. | PSI make Waterbath12 Hole model size 400*350*130,mm heaters 3KW capacity | 5 | Indian Trading Corp. Ahmedabad |
| 8. | Open Bath Beaker Dying Machine | 01 | M/s. Bansal Industries Corp. Nadaun, Hamirpur |
| 9. | Crock meter | 01 | Shiv Sales Corp. Bilaspur |
| 10. | Dye Bath Veessel | 03 | M/s. Parmod Kumar & Sons Bhojpur, Sundernagar |
| 11. | Dye Bath Cover | 10 | M/s. Parmod Kumar & Sons Bhojpur, Sundernagar |
| 12. | Dye Bath Tumbler | 06 | M/s. Parmod Kumar & Sons Bhojpur, Sundernagar |
| 13. | Stirrer (Steel) | 01 | M/s. Parmod Kumar & Sons Bhojpur, Sundernagar |
| 14. | Electronic Weighing Balance Digital (0.1mg Not entered | 01 | Spectrum Instruments Bhojpur |

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| 15. | Steel Filter (Sieve) | 01 | M/s. Parmod Kumar & Sons Bhojpur, Sundernagar |
| 16. | Washing Fastness Tester | 01 | M/s. Bansal Industries Corp. Nadaun, Hamirpur |
| 17. | High Temperature High Pressure Beaker Bying | 01 | Spectrum Instruments Bhojpur |
| 18. | Soft overflow Dyeing M/C | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 19. | Infra colour Dying Machine | 1 | Indian Trading Corp. Ahmedabad |
| 20. | Lab Fabric Dying Machine | 1 | Indian Trading Corp. Ahmedabad |
| 21. | Lab Garment Drying Machine | 1 | Indian Trading Corp. Ahmedabad |
| 22. | Weighing Balance for TCP lab | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 23. | Laboratory drying curing and setting chamber | 1 | Supreme Technical Equipments Ghaziabad |
| 24. | Hot Air Oven | | Double entered, also entered in STR-51 at P-52 (Testing Lab) |
| 25. | Laboratory Steamer with super Heater | 1 | Supreme Technical Equipments Ghaziabad |
| 26. | UV Visible Spectrophotometer | 1 | M/s Bash Chemo Agencies Sanjauli, Shimla |
| 27. | Steam Iron | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 28. | Magnetic Strirrer | 3 | M/s. Medi Lab Enterprises, Chandigarh |
| 29. | Water Bath | 05 | M/s. Indian Tradeing Corp. |
| 30. | HTHP Dyeing Machine | 01 | M/s. Surya Systems Ahmedabad |
| Textile Design Lab | | | |
| 1. | Counting Pick Glass | 20 | M/s. Bhardwaj Bhadar, Bhojpur |
| 2. | Magnifying Glass | 20 | M/s. Bhardwaj Bhadar, Bhojpur |
| 3. | Scissor | 02 | M/s. JD Traders Sundernagar, Mandi |
| TextileTesting lab | | | |
| 1. | Stelometer Spin lab Calibrated by SITRA | 01 | Indian Trading Corp. Ahmedabad |
| 2. | Crease Recovery Tester | 01 | M/s. Surya Systems Ahmedabad |
| 3. | Digital Fabric Thickness Tester | 01 | Spectrum Instruments Bhojpur |
| 4. | Fineness Tester | 01 | M/s. Bansal Industry Corp. Naduan , Hamirpur |
| 5. | Stiffness Tester | 01 | M/s. Surya Systems Ahmedabad |
| 6. | Techometer Digital Range upto 89999 RPM, ACC10 | 01 | Spectrum Instruments Bhojpur |
| 7. | Stroboscope Digital Range 250-18000RPM ACC+ 2 RPM | 01 | Spectrum Instruments Bhojpur |
| 8. | Bear Sorter (Tex Lab Make) | 01 | Spectrum Instruments Bhojpur |
| 9. | Beasley Balance | 01 | M/s. Surya Systems Ahmedabad |
| 10. | Tearing Strength Tester | 01 | Kharbanda Agencies , Bhojpur |
| 11. | Package Hardness | 01 | Kharbanda Agencies , Bhojpur |
| 12. | Electronics Twist Tester | 01 | Spectrum Instruments Bhojpur |
| 13. | Drape Meter (Digital Fabric Drape meter | 01 | Spectrum Instruments Bhojpur |
| 14. | Stelometer Spin lab Calibrated by SITRA | 01 | Indian Trading Corp. Ahmedabad |

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| 15. | Crease Recovery Tester | 01 | Indian Trading Corp. Ahmedabad |
| 16. | Digital Fabric Thickness Tester | 01 | Indian Trading Corp. Ahmedabad |
| 17. | Fineness Tester | 01 | Indian Trading Corp. Ahmedabad |
| 18. | Stiffness Tester | 01 | M/s. Surya Systems Ahmedabad |
| 19. | Techometer Digital Range upto 89999 RPM, ACC10 | 01 | M/s. Surya Systems Ahmedabad |
| 20. | Stroboscope Digital Range 250-18000RPM ACC+ 2 RPM | 01 | M/s. Surya Systems Ahmedabad |
| 21. | Bear Sorter (Tex Lab Make) | 01 | M/s. Surya Systems Ahmedabad |
| 22. | Beasley Balance | 01 | M/s. Surya Systems Ahmedabad |
| 23. | Tearing Strength Tester | 01 | M/s. Surya Systems Ahmedabad |
| 24. | Package Hardness | 01 | M/s. Surya Systems Ahmedabad |
| 25. | Electronics Twist Tester | 01 | M/s. Kharbanda Agencies Bhojpur |
| 26. | Drape Meter (Digital Fabric Drape meter | 01 | Kharbanda Agencies , Bhojpur |
| 27. | Twist Tester | 1 | Paramount Scientific instruments Delhi |
| 28. | Count Tester | 1 | Paramount Scientific instruments Delhi |
| 29. | Check Mate | 1 | Paramount Scientific instruments Delhi |
| 30. | Grey Scale AATCC for staining | 1 | Paramount Scientific instruments Delhi |
| 31. | Xenon Light | 1 | Paramount Scientific instruments Delhi |
| 32. | Gray scale ISO for change in colour | 1 | Paramount Scientific instruments Delhi |
| 33. | Grey scale SDC for staining (ISO) | 1 | Paramount Scientific instruments Delhi |
| 34. | Grey scale AAATC for change in colour | 1 | Paramount Scientific instruments Delhi |
| 35. | Wrap real Manual | 1 | Paramount Scientific instruments Delhi |
| 36. | Digital Pilling Tester (4 station) | 1 | Paramount Scientific instruments Delhi |
| 37. | Pilling photographs ASTM set of 5 | 1set | Paramount Scientific instruments Delhi |
| 38. | Weighing Balance Testing Lab | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 39. | Crimp tester | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 40. | Sample cutter | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 41. | Double yarn twist tester | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 42. | Vacum Cleaner | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 43. | Pick counting Glass | 30 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 44. | Floor carpet for textile testing lab | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 45. | Hydrometer wet and dry | 1 | Supreme Technical Equipments Ghaziabad |
| 46. | Universal Strength Tester | 01 | M/s. Surya Systems Ahmedabad |
| 47. | Stiffness Tester | 01 | Paramount Scientific instruments Delhi |
| 48. | Hot Air oven | 01 | Supreme Technical Equipments Ghaziabad |
| 49. | Hairness Tester | 01 | M/s. Statex Electronics , SIDCO, Industrial Estate, Kunchi, Coimbatore |
| 50. | WEE Two Evenness Tester | 01 | M/s. Statex Electronics , SIDCO, Industrial Estate, Kunchi, Coimbatore |
| 51. | Spray tester | 01 | M/s. Medi Lab Enterprises, Chandigarh |

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| 52. | Flame Retardant tester | 01 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 53. | Fabric Drap Tester | 01 | M/s. Supreme Technical Equipment , Gali No. 2, Hindon Vihar , Meerut Road, Ghaziabad |
| 54. | Sublimation Tester | 01 | M/s.Indian Trading Corp. Ahmedabad |
| 55. | Digital Traverse thread Counter | 01 | M/s. Indian Trading Corp. Ahmedabad |
| 56. | Digital Yarn Tension Meter | 01 | M/s. Indian Trading Corp. Ahmedabad |
| 57. | Flate Plate Thermal Conductivity | 01 | M/s. Indian Trading Corp. Ahmedabad |
| 58. | Digital Thickness Fabric Tester/ Guage | 01 | M/s. Surya Systems Ahmedabad |
| 59. | Perspirometer | 01 | M/s. Surya Systems Ahmedabad |
| 60. | Moisture Meter | 01 | M/s. Surya Systems Ahmedabad |
| 61. | Water Vapor Permeability Tester | 01 | M/s. Surya Systems Ahmedabad |
| 62. | Wrinkle Recovery Tester | 01 | M/s. Surya Systems Ahmedabad |
| 63. | Digital Bursting Tester | 01 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 64. | Digital Elemend of type Tearing Strength Tester | 01 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 65. | Crimp Rigidity Tester | 01 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 66. | Refrigerator | 01 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 67. | Over Head Projector | 01 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 68. | Comp Sorter | 01 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 69. | GSM Cutter | 01 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 70. | Computerized Knitting Machine | 01 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 71. | Automatic Tensile Strength Tester | 01 | M/s. Dinesh Scientific Ambala |
| Fabric Manufacturing lab | | | |
| 1. | Flat Bad knitting Machine | 01 | M/s. Spectrum Instrument,Bhojpur |
| 2. | Circular Sinker Body Knitting machine | 01 | Indian Trading Corp. Ahmedabad |
| 3. | Automatic Pirn Winder | 01 | M/s. Bansal Industries Corp.Nadaun, Hamirpur |
| 4. | UnderPick Dobby Loom | 01 | Indian Trading Corp. Ahmedabad |
| 5. | Rapier Loom (Shuttleless) | 01 | Indian Trading Corp. Ahmedabad |
| 6. | Knitting Machine Circular 4" Single Feeder Hand Operated | 01 | Indian Trading Corp. Ahmedabad |
| 7. | Fleece single circular knitting machine | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 8. | Pourer Jack guard Machine 800 Hooks (regularise) | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 9. | Manual jackguard card punching machine | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 10. | Auto Pirn changing Loom | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 11. | Tape Loom | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 12. | Handloom | 1 | M/s. Asian Test Equipments, Ghaziabad, UP |
| 13. | SMEW Make cone cum Cheese winding Machine | 1 | Indian Trading Corp. Ahmedabad |
| 14. | Single End sizing | 01 | Indian Trading Corp. Ahmedabad |

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| | Machine | | |
| Knitting Technology lab | | | |
| 1. | Flat Bad knitting Machine | 01 | M/s. Spectrum Instrument, Bhojpur |
| 2. | Circular Sinker Body Knitting machine | 01 | Indian Trading Corp. Ahmedabad |
| 3. | Knitting Machine Circular 4" Single Feeder Hand Operated | 01 | Indian Trading Corp. Ahmedabad |
| 4. | Fleece single circular knitting machine | 1 | M/s. Chaitna Scientific , Modinagar, Ghaziabad |
| 5. | SOLOMAN Socks knitting machine single cylinders feeders 8, feed Jacquard | 1 | M/s. Indian Trading Corp. Ahmedabad |
| 6. | Circular Knitting machine (Interlock) | 01 | Shiv Sales Corp. Bilaspur |
| Garment Manufacturing lab | | | |
| 1. | Vacum & Blowing Ironing Table | 01 | M/s. Indian Trading Corp. Ahmedabad |
| 2. | Double Needle Lock Stitch Sewing Machine | 01 | M/s. Indian Trading Corp. Ahmedabad |
| 3. | Straight Knife Fabric Cutting Machine | 01 | M/s. Indian Trading Corp. Ahmedabad |
| 4. | Band Knife Fabric Cutting Machine | 01 | M/s. Indian Trading Corp. Ahmedabad |
| 5. | Male Mannequines | 01 | M/s. Indian Trading Corp. Ahmedabad |
| 6. | Female Mannequines | 05 | M/s. Indian Trading Corp. Ahmedabad |
| 7. | Button Hole Sewing Machine | 01 | M/s. Indian Trading Corp. Ahmedabad |
| 8. | Over Lock Sewing Machine | 01 | M/s. Indian Trading Corp. Ahmedabad |
| 9. | Single Needly Lock Stitch Cutting Machine | 01 | M/s. Indian Trading Corp. Ahmedabad |
| 10. | Round Knife Fabric Cutting Machine | 01 | M/s. Indian Trading Corp. Ahmedabad |
| Textile Fibre lab | | | |
| 1. | Spectrum Two FT-1R/SP10 | 01 | M/s. Perkin Elmer India Pvt. Ltd. Thane, Maharastra |
| 2. | Simultaneous Thermal Analyser | 01 | M/s. Perkin Elmer India Pvt. Ltd. Thane, Maharastra |