

INDUSTRIAL TRAINING INSTITUTE (I.T.I.) EQUIPMENTS



♦ ENGINEERING COLLEGES ♦ POLYTECHNICS ♦ EQUIPMENTS

- Technical Education Electronics
- Education Kits
- Auto Mobile Work Shop
- Information Technology
- Mechanical Work Shop
- Books Also Available

- ♦ COMPUTER OPERATOR CUM PROGRAMMING ASST.
- ♦ ELECTRONICS MECHANIC
- ♦ MECHANIC CONSUMER ELECTRONICS
- ♦ WIREMAN
- ♦ CUTTING & SEWING
- ♦ FITTER
- ♦ MACHINIST
- ♦ MECHANIC MOTOR VEHICLE
- ♦ PLUMBER
- ♦ TOOL & DIE MAKER

- ♦ REFRIGERATION & AIR CONDITIONING MECH.
- ♦ RADIOLOGY TECHNICIAN
- ♦ FASHION TECHNOLOGY
- ♦ MECHANIC DIESEL
- ♦ SHEET METAL WORKER
- ♦ CONSUMER ELECTRONICS
- ♦ RADIO & TELEVISION MECHANIC
- ♦ MECHANIC AUTO ELECTRICAL AND ELECTRONICS
- ♦ CARPENTER
- ♦ DRAUGHTSMEN CIVIL

- ♦ MACHINIST GRINDER
- ♦ NETWORK TECHNICIAN
- ♦ ELECTRICIAN
- ♦ TURNER
- ♦ MECHANIC COMPUTER HARDWARE
- ♦ CRAFTSMAN FOOD PRODUCTION
- ♦ HEALTH SANITARY INSPECTOR
- ♦ MECHANIC DIESEL
- ♦ SHEET METAL WORKER
- ♦ HAIR & SKIN CARE
- ♦ AND MANY MORE



SERVING THE NATION SINCE 1962

90,000 INSTRUMENTS READY – STOCK AVAILABLE

WORLD CLASS EQUIPMENTS UNDER ONE ROOF

ISSUE STANDARD TEST, INSPECTION & CALIBRATION CERTIFICATION

Linca Book of Records 2003-4 Holder

PAN INDIA PRESENCE

STRENGTH OF MATERIAL

BHI-ED-101



Universal Testing Machine

BHI-ED-102



Tensile Testing Machine

BHI-ED-103



Rockwell Hardness Tester

BHI-ED-104



Fatigue Testing Machine

- Universal Testing Machine (Mechanical)
- Erichen Cupping Testing Machine
- Brinell Hardness Tester
- Belt Grinder Specimen Mounting Press

- Impact Testing Machine
- Tensile Testing Machine
- Binocular Inverted Metallurgical Microscope

- Torison Testing Machine
- Rockwell Hardness Tester
- Muffle Furnace

- Universal Spring Testing Machine
- Fatigue Testing Machine
- Double Disc Polishing Machine

THERMAL ENGINEERING LAB

BHI-ED-105



Single Cylinder 2 Stroke Petrol Engine

BHI-ED-106



1 Cylinder/ 4 Stroke variable compression

BHI-ED-107



Variable Speed Air Blower Test Rig

BHI-ED-108



Twin Cylinder Four Stroke Diesel Engine

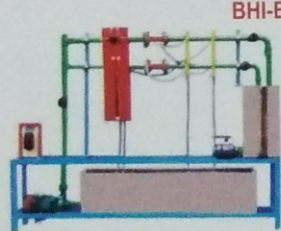
- Single Cylinder 2 Stroke Petrol Engine
- Multicylinder 4 Stroke Petrol Engine
- Four Stroke Slow Speed Diesel Engine
- Single/Two Stage Reciprocating Air Compressor

- Single Cylinder 4 Stroke Petrol Engine
- 1 Cylinder/4 Stroke Variable Compression
- Twin Cylinder Four Stroke Diesel Engine
- Variable Speed Air Blower Test Rig

- Multicylinder 4 Stroke Petrol Engine
- Single Cylinder Four Stroke water cooled
- Multicylinder Four Stroke Diesel Engine

FLUID MECHANICS LAB

BHI-ED-109



Venturi Meter & Orifice Meter

BHI-ED-110



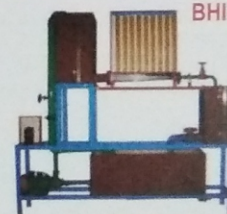
Rota Meter Test Rig

BHI-ED-111



Notch Tank Apparatus

BHI-ED-112



Closed Circuit Bernoulli's Theorem

- CC, CD, CV Apparatus
- Closed Circuit Bernoulli's Theorem
- Closed Circuit Bernoulli's Theorem

- Notch Tank Apparatus
- Closed Circuit Reynold's Apparatus
- Minor Losses Apparatus

- Closed Circuit Jet on Vane Apparatus
- Rota Meter Test Rig
- Pitot Tube Apparatus

- Venturi Meter & Orifice Meter
- Pipe Friction Apparatus
- Metacentric Height Apparatus

DYNAMICS OF MACHINE LAB

BHI-ED-113



Vibration Lab Apparatus

BHI-ED-114



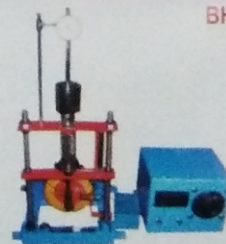
Static and Dynamic Apparatus

BHI-ED-115



Epicyclic Gear Apparatus

BHI-ED-116



Cam Analysis Apparatus

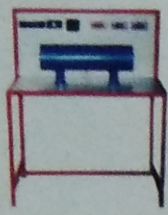
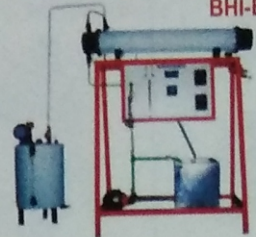
- Whirling of Shaft Apparatus
- Motorized Gyroscope
- Corollis Component of Acceleration
- Whit Worth Quick Return Mechanism
- Cam & Follower with Translating

- Vibration Lab Apparatus
- Cam Analysis Apparatus
- Three Stage Spur
- Scotch Yoke Mechanism
- Pawl & Ratchet Motion

- Universal Governor Apparatus
- Journal Bearing Apparatus
- Gear Spur, Helical, Bevel Gear
- Cam & Follower with Reciprocating
- Herring Bone Gear
- Internal Gear Pinion Drive
- Oldham Coupling

- Static and Dynamic Apparatus
- Epicyclic Gear Apparatus
- Rack & Pinon
- Reversing Gear

STRENGTH OF MATERIAL

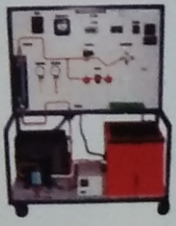
 BHI-ED-117 Heat Transfer Through Lagged Pipe	 BHI-ED-118 Heat pipe Demonstrator	 BHI-ED-119 Shell and Tube Heat Exchanger	 BHI-ED-120 Plate Type Heat Exchanger
• Heat Transfer Through Lagged Pipe • Heat Transfer in Natural Convection • Critical Heat Flux Apparatus • Heat Transfer Through Composite wall • Drop & Film Condensation • Plate Type Heat Exchanger	• Emmissivity Measurement Apparatus • Heat Transfer in Forced Convection • Stefan Boltzman Apparatus • Parallel/Counter Flow Heat Exchanger • Shell and Tube Heat Exchanger • Thermal Conductivity by Guarded Hot Plate	• Thermal Connductivity Insulating Powder • Heat Transfer from Pin-Fin • Heat Pipe Demonstrator • Boiling Heat Transfer Unit • Unsteady state Heat Transfer Test Rig • Thermal Conductivity of Metal Rod	

FLUID MACHINERY LAB

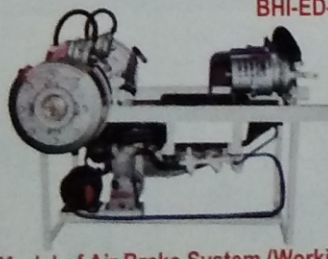
And Many More

 BHI-ED-121 Closed Circuit Gear Oil Pump Test Rig	 BHI-ED-122 Centrifugal Pump Test Rig	 BHI-ED-123 Closed Circuit Kaplan Turbine Test Rig	 BHI-ED-124 Reciprocating Pump Test Rig
• Pelton Wheel Turbine Test Rig • Closed Circuit • Axial Flow Pump Test Rig	• Francis Turbine Test Rig • Hydraulic Ram Test Rig	• Closed Circuit Kaplan Turbine Test Rig • Closed Circuit Gear Oil Pump Test Rig	• Centrifugal Pump Test Rig • Reciprocating Pump Test Rig

REFRIGERATION & AIR CONDITIONING LAB

 BHI-ED-125 Window Type Air Conditioner Test Rig	 BHI-ED-126 Refrigeration Test Rig	 BHI-ED-127 Cooling Tower Test Rig	 BHI-ED-128 Air Conditioning Test Rig
• Window Type Air Conditioner Test Rig • Mechanical Heat Pump Test Rig	• Ice Plant Test Rig • Air Washer Test Rig	• Air Conditioning Test Rig • Cooling Tower Test Rig	• Cold Storage Test Rig • Refrigeration Test Rig

AUTOMOBILE ENGINEERING LAB

 BHI-ED-129 Two Stroke Single Cylinder	 BHI-ED-130 Model of Air Brake System (Working)	 BHI-ED-131 Rack and Pinion Type	 BHI-ED-132 FullyFloating Differential and Rear Wheel
• Four Stroke Single Cylinder • Recirculating Ball Type • Recirculating Ball Type • Semi Floating Deferential and Wheel • Model of Hydraulic Brake Unit Booster	• Two Stroke Single Cylinder • Power Steering • Model of Steering of Jeep with Stub Axle • Model of Mechanical Brake System • Model of Drum Brake Unit • Model of Disc Brake System Two Wheeler	• Rack and Pinion Type • Rack and Pinion Type • Fully Floating Differential and Rear Wheel • Model of Air brake system • Model of Disc Brake System • Valve Timing Diagram	• Worm and Roller Type • Worm and Roller Type • Model of Air Brake System (Working) • Hydraulic Braking System with vacuum • Port Timing Diagram

APPLIED MECHANICS LAB

DATA ACQUISITION LAB



BHI-ED-133

Universal Force Table Winch Crab



BHI-ED-134

Multi-Pump Test Rig



BHI-ED-135

Computer Based MPFI Petrol Engine

- Universal Force Table
- Multi-Pump Test Rig

- Winch Crab
- Automotive Diesel Engine
- Recirculation Air Conditioning Test Rig

- Hydraulic Flume
- Computer Based MPFI Petrol Engine

INSTRUMENT MACHINERY

**MAGNETIC
FLOAT
FLOW LEVEL
INDICATOR**

**GLASS TUBE
ROTAMETERS**

**DIGITAL
TEMPERATURE
INDICATOR**

**MECHATRONICS
CS LAB**

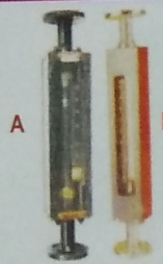


BHI-ED-136

CNC Production Lathe Grinder / Drill Machine



BHI-ED-137



BHI-ED-138



BHI-ED-139

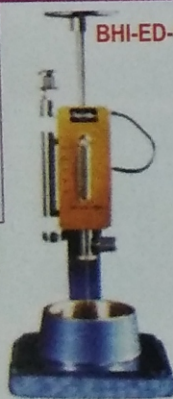


BHI-ED-140

Basic Electro Pneumatic Trainer

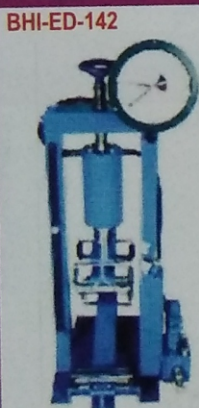
CEMENT & CONCRETE TESTING EQPT.

SOIL TESTING LAB. EQUIPMENTS



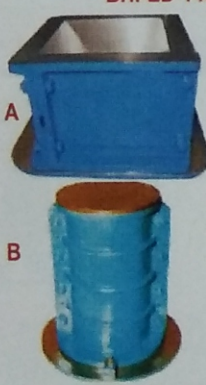
BHI-ED-141

VICAT NEEDLE APPARATUS



BHI-ED-142

FLEXURE TESTING MACHINE



BHI-ED-143

Cube / Cylindrical Mould



BHI-ED-144

PLASTIC LIMIT SET



BHI-ED-145

Cone Penetrometer



BHI-ED-146

Consolidation Apparatus

ASPHALT / BITUMEN TESTING LAB EQPT.

SURVEYING EQUIPMENTS



BHI-ED-147

Standard Penetrometer



BHI-ED-148

Marshal Stability Apparatus



BHI-ED-149

Asphalt & Concrete Floor Saw



BHI-ED-150

Total Station



BHI-ED-151

Aluminum & Wooden



BHI-ED-152

Automatic Levels

- CEMENT & CONCRETE TESTING EQUIPMENTS
- EQUIPMENTS
- ENGINEERING MECHANICS LAB

- SOIL TESTING LAB EQUIPMENTS
- AGGREGATE TESTING LAB EQUIPMENTS
- SURVEYING EQUIPMENTS

- ASPHALT / BITUMEN TESTING LAB
- GENERAL LAB TESTING EQUIPMENTS

EDUCATION TECHNIAL & VOCATIONAL TRAINING EQUIPMENTS TESTING MEASURING & ELECTRONIC INSTRUMENTS

OSCILLOSCOPES / ANALYZER

BHI-ED-153



Analog Oscilloscope
CRO 20 / 30 / 60MHz Dual Channel

BHI-ED-154



Analog Oscilloscope
CRO 20MHz Dual Channel
with Component Tester

BHI-ED-155



Spectrum Analyzer 1GHz /
with Tracking Generator

• ANALOG OSC LLOSCOPE I

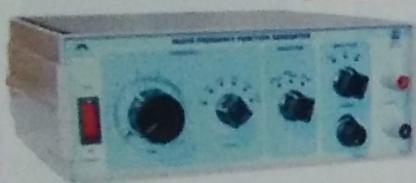
• DIGITAL STORAGE OSCILLOSCOPE

• SPECTRUM ANALYZER

• LOGIC ANALYZER

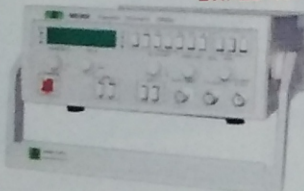
FUNCTION GENERATORS

BHI-ED-156



Function Generator
1Hz ~ 200kHz (Analog)

BHI-ED-157



Function Generator
10 MHz / 15 MHz with AM,
FM & Frequency Counter

BHI-ED-158



Frequency Counter 2.4GHz

BHI-ED-159



Hot Air Soldering Station

• FUNCTION GENERATORS

• FREQUENCY COUNTERS / SOLDERING & DESOLDERING STATIONS

POWER SUPPLIES / MEASURING METERS & TESTERS

BHI-ED-160



DC REGULATED POWER
SUPPLY DUAL CHANNEL

BHI-ED-161



3.5 Digit Digital
Multimeter

BHI-ED-162



Tachometer

BHI-ED-163



Stroboscope

BHI-ED-164



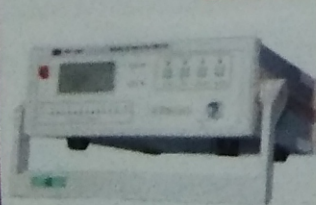
Digital Clamp
Meter

BHI-ED-165



Galvanometers
(Analog)

BHI-ED-166



RF AC Millivoltmeter (Digital)

BHI-ED-167



Universal IC Tester

BHI-ED-168



Transistor Tester (Digital)

BHI-ED-169



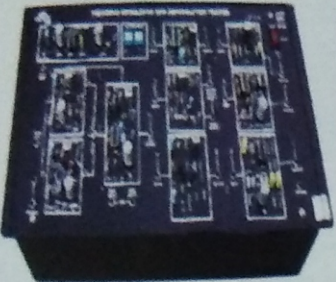
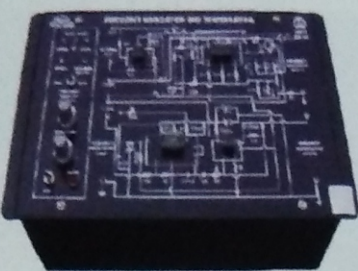
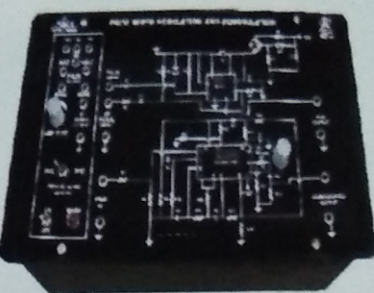
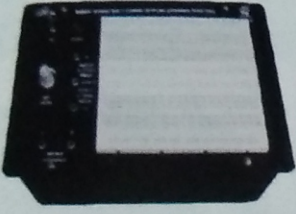
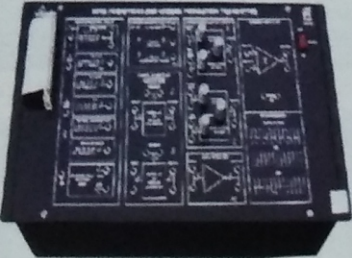
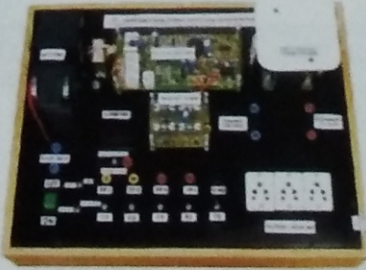
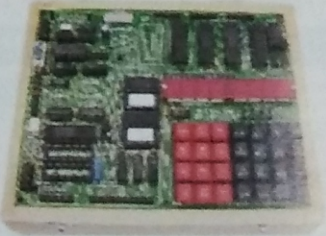
Insulation Tester (Digital)

- POWER SUPPLIES - DC REGULATED POWER SUPPLIES (SINGLE, DUAL, MULTIPLE OUTPUT)
- SPECIAL PURPOSE POWER SUPPLIES, PROGRAMMABLE POWER SUPPLY
- MEASURING METERS & TESTERS
- DISTORTION METER / DC LOW OHM METER/ SWEEP SIGNAL ANALYZER
- PANEL METERS/AC MILLIVOLTMETERS/OUTPUT POWER METER (AF)
- TRANSISTOR TESTER / INSULATION TESTER / EARTH TESTER

- MULTIMETERS
- MULTIMETERS / TACHOMETER / STROBOSCOPE
- LCR METERS
- IC TESTERS
- VOLTMETERS / AMMETERS / WATTMETERS POWER FACTOR METERS

Note : Picture May Differ from Actual Product

ADVANCE TRAINING SYSTEMS & KITS

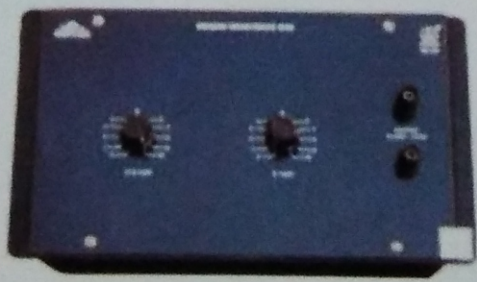
BHI-ED-170  BREAD BOARD TRAINER	BHI-ED-171  FREQUENCY MODULATION DEMODULATION	BHI-ED-172  PULSE WIDTH MODULATION & DEMODULATION	BHI-ED-173  PAM / PPM / PWM Modulation & Demodulation
BHI-ED-174  FREQUENCY MODULATION & DEMODULATION	BHI-ED-175  DATA FORMATTING & CARRIER MODULATION TRANSMITTER	BHI-ED-176  KLYSTRON POWER SUPPLY (SQUARE & SAW WAVE DIGITAL READOUT)	BHI-ED-177  FUNCTION GENERATOR DEMONSTRATOR
BHI-ED-178  DYNAMIC DEMONSTRATORS & TRAINERS	BHI-ED-179  TELEPHONE TRAINER	BHI-ED-180  UPS TRAINER	BHI-ED-181  MICROPROCESSOR TRAINER

Note : Picture May Differ from Actual Product

- BREAD BOARD TRAINERS
- COMMUNICATION LAB TRAINING MODULES
- MICROWAVE & ANTENNA EXPERIMENTAL TRAINERS
- DYNAMIC DEMONSTRATORS & TRAINERS
- MICROPROCESSOR & MICROCONTROLLER LAB

DECADE BOXES

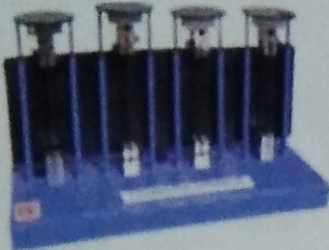
WORK BENCH

BHI-ED-182  DECADE CAPACITANCE BOX	BHI-ED-183  DECADE INDUCTANCE BOX	BHI-ED-184  ELECTRONIC / ELECTRICAL WORK BENCH
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DECADE CAPACITANCE / INDUCTANCE / RESISTANCE BOXES

CIVIL LAB

BHI-ED-185



COLUMN TEST APPARATUS

DYNAMICS / THEORY OF MACHINES

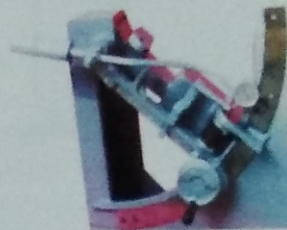
BHI-ED-186



TURN TABLE APPARATUS

FOUNDARY AND TESTING

BHI-ED-187



UNIVERSAL SAND STRENGTH MACHINE & ACCESSORIES

HYDRAULICS

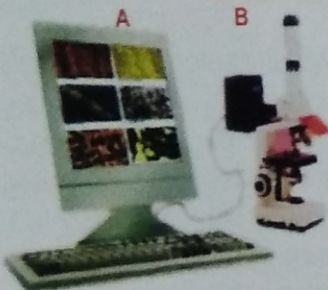
BHI-ED-188



HYDRAULIC CONTROL TREATMENT

IMAGING & ANALYSIS

BHI-ED-189



IMAGING & ANALYSIS

METALLURGY & MATERIAL LAB

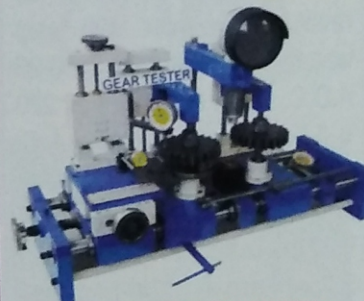
BHI-ED-190



AUTOCOLLIMATOR DUAL-AXIS

METROLOGY & MEASURING LAB

BHI-ED-191



GEAR TESTING MACHINE

MODEL LAB

BHI-ED-192



HYDRAULIC TRAINER KIT

INSTRUMENTATION

BHI-ED-193



TEMPERATURE MEASUREMENT MODULE

STRENGTH OF MATERIALS

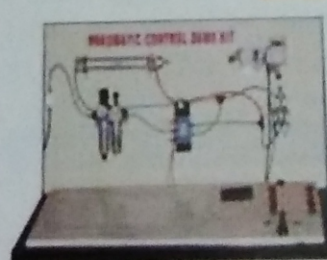
BHI-ED-194



TORSION TESTING MACHINE

STRENGTH OF MATERIALS

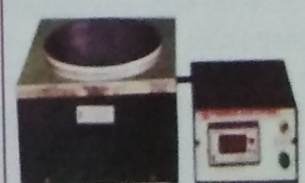
BHI-ED-195



STRENGTH OF MATERIALS KIT

SPECIAL EQUIPMENTS

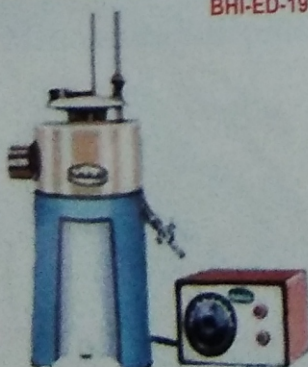
BHI-ED-196



PYROMATIC HOT MELT ADHESIVE BATH

FUEL TESTING AND THERMO DYNAMICS

BHI-ED-197



REDWOOD VISCOMETER

ENGINEERING CHART LIST

BHI-ED-198



METROLOGY CHART

WORKSHOP PRACTICE

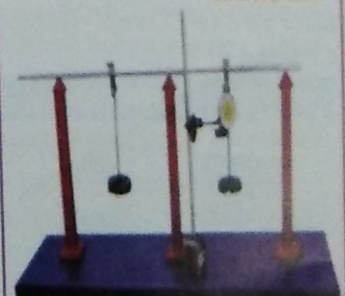
BHI-ED-199



WORKSHOP TOOLS

MECHANICAL ENGINEERING LAB EQUIPMENTS

BHI-ED-200



DEFLECTION OF TRUSS APPARATUS

Note : Picture May Differ from Actual Product

ELECTRICAL & ELECTRONIC INSTRUMENTS

CONSUMER ELECTRONICS

BHI-ED-201



Electric Drill - Instrument Files



IC Trainer BHI-ED-202

Combination Plier 15 Cms Insulated • Heat Sink Plier • Knob Screw Driver Insulated • Wire Stripper • Hammer Crossspan 110 Cm With • Handle • Box Spanner Set Of (4-15) Mm • Electric Drill - Instrument Files Set Of 12 • Vice Bench 10 Cms Jaw • Dies Set 3 Mm To 10 Mm • Hydrometer - Rheostats

Assorted Values And Ratings • Variable Resistances / Potentiometer • Dc/Ac Ammeter 0 - 1 A. • Watt Meter • Analog Multimeter Pulse Generator Linear IC Trainer Colar Microphone Inverters Microwave Oven Battery Charger.

ELECTRICIAN

BHI-ED-203

BHI-ED-204



Multimeter

Clamp Meter

BHI-ED-205



Electrical Machine Trainer

Electric drill machine portable 6 mm capacity • Out side micrometer • Multi meter Ammeter - K.W. meter • Tong tester (Clipon meter) • Stop watch • Techno-meter or revolution counter with stop watch • Ammeter M.C. 0-25 A.D.C. - D.C. energy meter 220 V 5A W/H or A/H type - A.C. Ammeter M.I. 0-5A - Immersion heater 750/1000/1500 W-230 V • Pipe cutter to cut pipes up to 5 cm dia - Multi meter • Electrical machine trainer • Generator 5 KW 440 volts • Motor shunt 5HP. • Transformer single phase - Used DC generators-series shunt and compound type for overhauling practice each -

ELECTRONICS MECHANIC



Signal Tracer

BHI-ED-206



BHI-ED-207

Frequency Counter

Hacksaw 20-25 - Fly press 4 to 5 ton • Temperature controlled soldering station 15 W • Disoldering pump and desolderwive • Rheostats asserted vahes and rating • Constant voltage

Transformer/Auto • Multimeter small • Commercial receiver transistorized • Electrical components for assemble • Signal tracer • Output meter • Sweep generator with X-Y display with marker • Styles pressure gauge • Micro processor training kit • Signal generator Am/Fm • Strain gauge with load cell • Micro processor training kit • Digital I.C. Trainer

MECHANIC AUTO ELECTRICAL AND ELECTRONICS



BHI-ED-208

AIR COMPRESSOR



BHI-ED-209



BHI-ED-210

Auto Tool Kit - Drill Machine

TOOLS AND MEASURING INSTRUMENTS FOR GENERAL SHOP OUT FIT-
V-Block 75 X 38 Mm Pair With Clamps • Micrometer Outside 25 - 50 Mm • Drilling Machine (Bench) 12 Mm Dia. • Clip On Meter Digital And Analog • Tachometer • Compressor Air Piston Type (Vehicular) • Pneumatic Tools • Multimeter Digital And Analog • Starter Motor, Alternator, Dynamo Cut Out • AC Alternator Slip Ring Press Tool -

MECHANIC COMPUTER HARDWARE



BHI-ED-211

Computer Hardware Systems

Digital/analog hand held multi-meter • Multi-meters Analog or Digital hand-held/pocket type • Soldering Iron (25 W) • AC motor - 1 phase • Auto transformer - Battery Charger suitable to charge secondary batteries • Colour TV - 29" • Continuity tester for testing cables & connections • DC Motor series & shunt • Digital IC Tester Function generator • Linear IC trainers • Mini transformer Winding machine • PC internal cables for interconnecting drives and ports • Rheostat - 100 Ohm, 1000 Ohm VCR Voltage stabilizer • Nuts, bolts, Rivets, screws

MECHANIC CONSUMER ELECTRONICS



BHI-ED-212

Temperature Controlled Disordering Station



Battery Eliminator BHI-ED-213

End Cutting Nipper Insulated 15 Cms. • Adjustable Spanner/Slide Wrench (15-20 Cis) • Steel Ruler 30 Cms. • Hammer Crossspane 110 Cm With Handle • Spanners Single Ended 6 Mm To 25 Mm By 1.6 Mm • Chisel Wood 15 Cms. Set Of 6 Mm To 25 Mm • Electric Drill 10 Mm With Polishing And Buffing Accessories • Hacksaw 20-25 Cm (Adjustable) • Instrument Files Set Of 12 Feeler Gauge • Hydrometer • Rheostats Assorted Values And Ratings • Battery Eliminator • Electrical Components For Assemble - Logic Probes • Ic Extractor - Digital Ics Assorted • Digital Multimeter (3 ½ Digit) Distortion Meter/Analyser • Cd Writer • Temperature Controlled Desoldering Station

RADIO & TELEVISION MECHANIC



BHI-ED-214

Function Generator



**BHI-ED-215
Electronic Tool Kit**

• Neon Tester • File half round 20 cms busted • Vice bench 5 cms jaw • Coil winding machine (Manual) • Multimeters (big) 20 K-ohms/V • Insulation tester 250 V/500 V • Function generator C.R.O. • Regulated power supply 0-30 volts, 5 amp. • Reflex speaker horn type • TV receiver (Solid State) (colour and B & W) • Signal generator (AM/FM) 10 MHz • Transistor testers and I.C. tester • Pulse generator

WIRMEN



BHI-ED-216

Wiring and erection of panel boards



BHI-ED-217

Analogue voltmeter

Use of fitter's hand tools • Chipping, Drilling, Filing, Threading, Sawing, Operation on power drilling machines • Finishing and polishing of wooden materials • Use of blacksmithy's basic hand tools. • Simple forging • Hardening and tempering of common smith cutting tools • Bending of pipes • Welding and brazing • Sweating of conductor with lug - Fixing and connecting of switches, plug, sockets and lamp holders • Use of Voltmeters - Making heating element • Study of electromagnetism induction and preparing a simple

electromagnet • Lay out of lighting, heating and power circuits Wiring three phase energy meter • Wiring and erection of panel boards

MECHANICAL INSTRUMENTS

DRAUGHTSMEN CIVIL



BHI-ED-219

Dumpy Level-Builder



BHI-ED-220

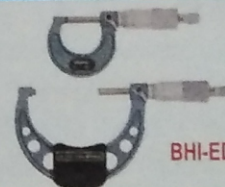
Beam Compass

Box Drawing Instrument • Scale - Metric And Section Wooden 30 Cm Long Marked With Eight Scale -1:1, 1:2, 1:2:5, 1:10, 1:20, 1:50, 1:100, 1:5 • Set Squares Transparent 2 Mm Thick With Bevelled Edges 45 Degrees 20 Cm. • Geometrical Models (Wooden) As Per Given Below (1) Cube 08 Mm Sides (2) Rectangular Parallel Piped 8 Cm X 15 Cm (3) Sphere 8 Cm Dia. (4) Ligh T Circular Core 8 Cm Dia Base 15 Cm Vertical Height. (5) Square Pyramid 8 Cm Side Base And 15 Cm Vertical Height. (6) Cylinder 8 Cm Dia. 15 Cm Height. (7) Prisms Triangular 8 Cm Sides Triangle And 15 Cm Length. (8) Prism Hexagonal 8 Cm Sides Hexagon And 15 Cm Length. • Drafting Machines- Vertical Type Completes With Drawing Board Adjustable Table And Pair Of Metric Scales 30 Cm And 40 Cm Long. • Calculator

(Pocket Size) 1 (Fx) • Planimeter Sliding Bar Pattern 70 Cm Complete In Case With Magnifier And Instructions Reading In Metric Units. • Beam Compass With Fine Adjustments With Ink And Pencil Points And Two Chromium Plated Weights 30 Cm In Wooden Case. • Ammonia Box 120 Cm X 35 X 35 Cms. • Table Drafting For Boards • Pastle And Mortar-Porcelain 3 Mm, 6 Mm, 12mm, 18mm. • Draughtsman Table. - Dumpy Level-Builder 25 Cm Local Length X 23 Mm

Complete With Box And Accessories And Stand. Levelling Staff 4 Meters Reading To 5 Mm. • Spade Surveyor's Umbrella

FITTER



BHI-ED-221

External Micrometer



BHI-ED-222

Thread Cutting Dies

Spring calipers • V-Block • Bench vices Twist drills • Vernier depth gauges • External micrometers • Vernier height gauges Bevel protractor • Thread cutting dies • Thickness of sheet & diameters of wire • Lathe, sizes for general purpose • Plain ring gauges (G0) Transformer welding set 300 amps • continuous Welding current, with all accessories and electrode holder. • Arc welding table (all metal top) 122 cm: 12

cm: 60 cm positioned. • Gas welding table with positioned
• Trolley for gas cylinders. - Gloves (Leather).

HAIR & SKIN

BHI-ED-223

BHI-ED-224



Infra red lamp



BHI-ED-225

Barber Scissors

• Roller • Hand clippers • Hand mirror • Cutting sheet • Spray bottle • Chute • Pack and bleach brush • Hot plate • Infra red lamp • Manicure stools • Trolleys Table and chair for trainees (for theory room)

HELATH SANITARY INSPECTOR

BHI-ED-226



Overhead Projector

BHI-ED-227

BHI-ED-228



Autoclave Refrigerator

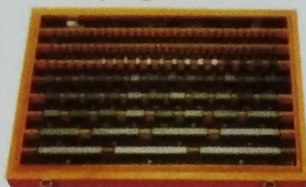
AUDIO-VISUAL AIDS : 1. Overhead Projector, 2. Slide Projector, 3. P.C., 4. V.C.R.,
• MODELS FOR 1. Ventilation, 2. Sewerage system and Treatment Plant, 3. Water Purification Plant, 4. Sanitary Latrine, 5. Waste Disposal unit,
• GENERAL OUTFITS, 1. Refrigerator, 2. Autoclave, 3. Sterilizer

MACHINIST

BHI-ED-229



Shaping Machine



Slip Gauge Set BHI-ED-230



BHI-ED-231

Voltage Stabilizer

Outside Spring Caliper 150 Mm
• Inside Spring Caliper 150 Mm
• Safety Glasses • Engineers

Screw Driver • Surface Plate 400 Mm*400mm Grade 1
• Table For Surface Plate 900 * 900 * 1200 Mm • Vee Block 100/7-80-A • Inside Spring Caliper 200 Mm • Spirit Level 2v 250, 05 Metre • Spanner D1.E.G.P. Series 2 • Angle Plate Size 200*100*175
• Mnumber Drills H.S.S. (Parallel Shank) • Drill Chuck 0.20 With Taper Shank • Drill Hss Taper Shank • Reamer 6 • Mm To 25 Mm By 1 Mm Tools Bit Holder (Armstrong) R.H.
• Machine Vice 160 Mm Swivel Base • Universal Table Angle Plate • Plier Cutting 200 Mm • Hands Hammer 1 Kg. With Handie • Double Angle Unequal Cutter 63*18*600
• Micrometer Outside 0-25 Mm • Direct Reading Vernier Caliper B 300 (Direct Reading With Dial) • Vernier Bevel Protractor With 150 Mm Blade Slip Gauge Set (Normal Set) Metric (For The Whole Institute) • Shaping Machine 450 Mm Stroke (Motorised) With All Attachments • Lathe General Purposes All Geared Height Of Centres 150 • Mm Drilling Machine Pillar 20 Mm Capacity • Voltage Stabiliser

MACHINIST GRINDER

BHI-ED-232



Universal Grinding Machine

BHI-ED-233



BHI-ED-234

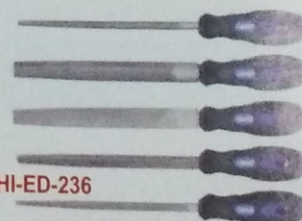
Plain Cylindrical Grinding (External) • Simple Form Of Grinding • Use Of Universal Grinding Machine - Grinding Of Chisels • Hacksawing • Drilling • Use Of Micrometers And Verniers •

MECHANIC DIESEL

BHI-ED-235



DIESEL ENGINE CUT AWAY MODEL



BHI-ED-236

File Half Round

SURFACE PLATE 60 X 60 CM
BLADES • FILE, FLAT 35 CM BASTARD • FILE FLAT 25 CM SECOND CUT • File Flat Safe Edge 25cm Smooth • File Triangular 15 Cm Second Cut • File Half Round 14 Cm Second Cut • Micrometer Outside 0 – 25 Mm • Vernier Caliper Set 25 Or 25 Inside, Outside Depth To

Read Both Inches And In Mms
• Drilling Machine Bench To Drill Up To 12 Mm Dia - Tachometer (Counting Type) • Compressor Air Piston Type (Vehiclear) And Exhauster Unit • A.V.O. Meter • Diesel Engine Cut Away Model To Show Working Parts For Demonstration (1.2 Stroke & 4 Stroke)

MECHANIC MOTOR VEHICLE

- Drilling Machine (Bench) 12 Mm Dia • Old For Practice • Fire Extinguisher • Air Brake Assembly • Fuel Pump

BHI-ED-237

BHI-ED-238



A.V.O. Meter -Air Brake



BHI-ED-239

Valve Set Cutting Tools Complete

- Screw Driver 30 Cm X 9 Mm. Blade • Feeler Gauge 20 Blades (Metric) • Hammer Ball Peen 0.5Kg • Surface Plate 60 X 60cm • Screw Driver, Electrician Type 15 Cm Size • File, Square 20 Cm Second Cut • Micrometer Outside 75-100 Mm • Vernier Caliper Set 250 Or 200 Mm Inside, Outside And Depth • Safety Goggles • Tramme L30 Cm • Blowdamp 0.5 Litre • Snip Straight 250 Mm • Spanner Off - Set Double End Ed Set Of 7 pds. (6mm To 17mm) •

- Spanners Adjustable 20 Cm • Magneto Spanner Set Of 8 Spanners • Spray Gun Kerosene • Pressure Grease Gun • Valve Set Cutting Tools Complete With Guides And Pilot • Compression Gauge To Read 17.6 Kg/Sq. Cm • Vacuum Gauge 0 To 75cm • Work Bench • Fire Buckets With Stand • Compressor Air Piston Type (Vehicular) • Vacuum Assisted Hydraulics Brake Assembly With Vacuum Booster • Clutches, Different Types Such As Cone Type Disc Type Diaphragm Type Etc • Steering Assembly • Rack And Pinion Type • Lifting Jack, Screwtype • Piston Ring Compressor • A.V.O. Meter • Pneumatic Tools • Battery Charger • Hydrometer • Fuel Injection Pump (Diesel) Rotary • Grinder With Two 7" Wheels With Twist Drillin Grinding Attachment • Petrol Engine Running Condition MPFI Type • Diesel Engine Running Condition (Vehicle Type) • Air Compressor - 2 Stage - 500 Litre With 5HP Motor & Air Receiver

PLUMBER

BHI-ED-240



Pipe Wrenches BHI-ED-242

BHI-ED-241



Water Meters BHI-ED-243

Horizontal centrifugal pumps for clear, cold and Fresh water •

- Water meters (domestic type) code of practice For selection installation and maintenance • Enameled steel bath tubs • Glazed earthenware sanitary appliances • Sanitary appliances, enameled C.I. general requirements • Vitreous sanitary appliances (Part-I) general Requirements • Pipes and fittings C.I. and Rainwater • Glossary of terms relating to corrosion of metals

REFRIGERATION & AIR CONDITIONING MECH.

BHI-ED-244

BHI-ED-245



BHI-ED-246

Refrigeration & Air Conditioning



BHI-ED-247

Gas Leak Detector For Halogen Gas

- Flaring tools set, single type for tube 4.7 to 16 mm O.D. • Swaging tool, punch type, set of size, for tube 4.7 to 16 mm O.D. • Bending spring external type, for copper tube O.D. 6.4. to 16mm. • Pipe cutter miniature for copper tube 3 to 16 mm dia. • Pinch off tool for copper tube 6 to 18 mm & pinch off pliers. • Ratchet spanner 6.4 mm sq. reversible. • Valve key "T" handle - 4.7 and 6.4 mm sq. •

- Pressure gauge, diameter 63 mm with recalibration set screw, scale 0 to 35kg./sq.cm. • Compound gauge, diameter 63 mm with recalibration set screw, scale vacuum 76 mm, pressure 15 kg/sq. cm. • Gas leak detector for halogen gas (Electronic) • Line tester 500 volt, heavy duty. • Scissor, gasket cutting stainless steel, length 250 mm. • Screw driver, plastic handle, 6mm tip length 100, 150 • Wrench adjustable length 200 mm • Oil can pressure type - 1 litre can. • Flaring tool set, double type for tube 4.7 to 16 mm O.D. • Vacuum pump, two stage, self contained with motor portable, final vac. 0.1 micron with gas ballistic valve, 0.1 splash reducing, non-return valve Cap - 1/2 HP. • Dial thermometer, remote control, armoured capillary, dia. 21/2" - 40 degree F to = 120 degree F. • Temperature and humidity recorder. • Ammeter AC/DC portable precision grade, teak wood case, leather belt - 0 to 5 Amp. • Transistor tester. • Wire gauge metric and with worth. • Instrument screw driver - complete set in leather case. • Torque wrench 300 mm, 12.7 mm square drive right and left hand. • Electric drill portable with chuck & key capacity 6.4 mm • Micrometer, outside measurement, 25- 50 mm. • Vernier height gauge 250 mm. • Air compressor, two stage for oil - less dry air, with rust proof tank assembly, heater and controls max. pr. 10kg/cm2 cap. 45 litre, motor 1HP. • Hand shear machine 280 mm. • Oxy Acetylene welding set complete with cylinders, regulators welding torches with

TOOL & DIE MAKER

BHI-ED-248



Lathe Chuck

BHI-ED-249



Tool Holders For Shaper And Slotter

Hacksaw frame adjustable with pistol grip for 200-300 mm blade
• Caliper inside spring type - 150 mm • Screw driver - 150 mm - Centre gauge 55° And 60° • File flats smooth 200 mm - surface plate 600*300mm • Drill twist St. shank 8 mm to 12 mm in steps of 2mm • Drill chuck 12mm capacity • Drill gauge 1.5 to 12.5mm in steps of 0.5mm • Shell end mill 50 mm * 36 mm width * \$ 22bore • Slide and face cutter \$ 63 mm * 14 mm width * \$ 22 bore • Ball end \$ mm, \$ 6 mm \$ 8 mm, \$ 10 mm and \$ 12 mm • Lathe tools (solid - H.S.S.) - square shank to suit the size of the lathe • Tool holders for shaper and slotter • straight, L.H. and R.H. to suit the machine available • Blow lamp • Lever shearing machine hand operated complete with 300 mm blade • Workbench 240 cm * 120 cm * 75 cm with 150 mm vice • Screw pitch gauge - Range 0.4 - 7 mm Metric

60 (21 leaves) • Radius gauge 1 - 3 mm by 0, 25 mm and 3, 5-7 mm by 0.5 mm (34 leaves) • Dial vernier caliper 0-200 mm, Graduation 0, 02mm • Universal bevel protractor • Blade range 150 and 300 mm, dial 1, vernier 5 min. with head, Acute angle attachment • Outside micrometer 25-50 mm (0.01 mm accuracy) • Gauge blocks workshop grade • 87 pieces per • Magnetic V-Block 100 x 100 x 125 mm • Magnetic stand with magnetic base 60 x 47.5mm nd with universal swivel clamp, dial holding rod (150mm) scribe • Dial test indicator / Levertype Range 0 / 0.8mm Graduation 0.01mm, reading 0-40-0 with accessories • Bore gauge with dial indicator (1 mm range, 0-0.01mm graduation) • Range of bore gauge 18-150mm

TURNER



BHI-ED-250

CNC Lathe Machine

BHI-ED-251



Thickness Gauge Magnetic Dial

BHI-ED-252



BHI-ED-253

Grinding Machine

Hacksaw Adjustable 200 To 300 Mm (Pistol Grip) • Spanner Double Ended 6mm To 21mm (Available With Machine) • Micrometer Outside 0 To 25 Mm Reading 0.01 Mm • Depth Gauge Micrometer 0 To 150 Mm Reading 0.01 Mm • Dial Vernier Caliper With Metric And Inch Dial- 200 Mm Or 8" Reading 0.05 Mm Or 0.001" • Feeler Gauge .100 Mm Blade Metric Set • Screw Pitch Gauge With Worth & Metric • Dial Test Indicator 0.01 Mm With Vernier Height Gauge 300mm - Drill Chuck 6 To 12 Mm Cap. With Key • Reamer Machine Straight Flute 6 To 25 Mm By 1mm • Angle Plate With Slots 200 Mm • Spirit Level 0.05 Meter 200 Mm • Revolving Centre (To Suit Lathe Tailstock) • Gauge Drill Grinding • Magnetic Chuck 150 Mm Dia. (Circular Type) • Fire Extinguisher • Cnc Trainer Lathe • Cnc Grooving Tools (External & Internal) • Colour Tv Monitor • Electronic Vernier Caliper (Inch & Mm . 8" / 2 9 9 Mm . L c m 01.0005"/01.01mm • Lathe- 15cm Centre Height, To Admit 120 Cm Between Centres. Machine To Be Motorised And applied With Coolant Installation, 1-Jaw Independent Chuck 250 Mm, 3-Jaw Self-Centering Chuck 150 Mm, Fixed Steady, Travelling Steady, Face Plate, Driving Plate, 4-Way Tool Lathe Tool Room S.S. & S.C. (All Geared Type) 15 Cm Centre Height, 120 Cm Between Centres. Machine To Be Motorised And Supplied With Coolant Installation, 1-Jaw Independent Chuck 250 Mm, 3-Jaw Self-Centering Chuck 150 Mm Fixed Steady, Travelling Steady, Face • Lathe S.S. & S.C. (Cone Pulley Type) 15 Cm Height 90 Cm Between Centres. Machine To Be Motorised 1-Jaw Independent Chucks 250 Mm, 3-Jaw Self-Centering Chuck, 150 Mm Single Tool Post • Grinding Machine Pedestal Typed

1.E.250 Mm Dia. Wheel With Wheel Guard And Vision • Capstan Lathe 250 Mm Sawing, 25 Mm Spindle Bore With All Accessories And Attachment Including Collet Chucks And Set -

WELDER

BHI-ED-254



Welding Kit

BHI-ED-255



Oxygen Brazing Welding Kit

Use of Welding torch. Acetylene generators and Oxygen Cylinder • Oxy-Acetylene cutting • Welding of cast iron • Use of protective appliances • Use of Weld Gauges - Brass Welding • Welding by submerged Arc. TIG, MIG, MAG, plasma welding and cutting -