



Index for Labs under Mechanical & Industrial Engineering



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1. WORKSHOP

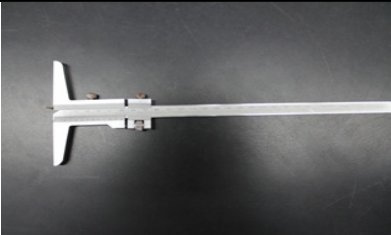


Sr. No.	DEAD-STOCK TITLE	Item Specification	Qty.	Figure
1	IPTG/EW/SC/07-08/1/1&2	XTURN CNC STANT BED LATH WITH 8 STATION INDEXING TOOL POST AND FANUC EMULATED CONTROL	2	
2	IPTG/EW/SC/07-08/1/3&4	XL MILL CNC BENCH MILLING MACHINE NON ATC	2	
3	IPTG/EW/SC/07-08/1/5	CAD CAM SOFTWARE TURNING AND MILLING CNC TRAIN SIMULATION SOFTWARE FANUC EMULATIN (FOR 10 USER)	10	--NA--




4	IPTG/EW/SC/07-08/1/6	SERVO STABILIZER	1			
5	IPTG/EW/SC/07-08/1/7	BAND SAW MACHINE COMPLETE	1			
6	IPTG/EW/SC/07-08/1/8	PLLAR DRILL MACHINE	1			



7	IPTG/EW/SC/07-08/1/10 to 13	100 mm. TABLE VICE	4			
8	IPTG/EW/SC/07-08/1/21	MEDIUM DUTY ALL GEARED LATHE MACHINE	1			
9	IPTG/EW/SC/07-08/1/38	BENDING MACHINE	1			




10	IPTG/EW/SC/07-08/1/39	SHAPING MACHINE	1	
11	IPTG/EW/SC/07-08/1/40 & 41	PIPE VICE 50 mm. ROUND PILLAR TYPE	2	
12	IPTG/EW/SC/07-08/1/42	PIPE VICE 75 mm. ROUND PILLAR TYPE	1	




13	IPTG/EW/SC/07-08/1/43 & 44	PIPE VICE 100 mm. ROUND PILLAR TYPE	2	
14	IPTG/EW/SC/07-08/1/46	SURFACE PLATE 24" X 24"	1	
15	IPTG/EW/SC/08-09/A1/1 to 10	VERNIER CALIPER SIZE-0-300 mm, 0-12"	10	
16	IPTG/EW/SC/08-09/A1/11	DIAL CALIPER SIZE-0-300mm.	1	

17	IPTG/EW/SC/08-09/A1/12	VERNIER DEPTH CALIPER SIZE - 0-150 mm., 0-6"	1			
18	IPTG/EW/SC/08-09/A1/13 to 16	OUTE SIDE MICROMETER SIZE-0-25 mm.	4			
19	IPTG/EW/SC/08-09/A1/17	OUTE SIDE MICROMETER SIZE-25-50 mm.	1			

20	IPTG/EW/SC/08-09/A1/19	OUTE SIDE MICROMETER SIZE-75-100 mm.	1	
21	IPTG/EW/SC/08-09/A1/20 to 21	DIAL INDICATOR SIZE-0-5 mm.	2	
22	IPTG/EW/SC/08-09/A1/22	DIGIMATIC INDICATOR SIZE-0-12.7 mm. 0-0.5"	1	




23	IPTG/EW/SC/08-09/A1/23	BEVEL PROTRACTOR SIZE-150-300 mm.	1	
24	IPTG/EW/SC/08-09/A1/24 to 25	MEGNATIC STAND	2	



25	IPTG/EW/SC/08-09/A1/26	MEGNATIC STAND WITH FINE ADJUSTMENT	1	
26	IPTG/EW/SC/08-09/A1/27	RADIUS GUAGE SET	1	
26	IPTG/EW/SC/08-09/A1/28	COMBINATION SQUARE SET, SIZE- 300mm., 12"	1	

27	IPTG/EW/SC/08-09/A1/29	SPIRIT LEVEL,SIZE-300mm.	1	
28	IPTG/EW/SC/08-09/A1/30	LONG STEEL TAPS,SIZE- 30 Mtr.	1	
29	IPTG/EW/SC/08-09/A1/31	DIGITAL TYPE DIAL HIGHT CALIPERS, SIZE-0-450 mm.	1	




30	IPTG/EW/SC/08-09/A1/32	DIGIMATIC CALIPER, SIZE -0-300 mm. , 12"	1	
31	IPTG/EW/SC/08-09/B1/1	MULTI PURPOSE GEARED HAND SHEARING	1	
32	IPTG/EW/SC/08-09/B1/2 to 5	CARPENTRE VICE, SIZE-150 mm. ,QUICK RELEASE	4	



33	IPTG/EW/SC/08-09/B1/6 to 7	CARPENTRE VICE, SIZE-200 mm. ,QUICK RELEASE	2	
34	IPTG/EW/SC/08-09/B1/20 to 23	SHERLINE LATH MACHINE , MODEL No.-4410C	4	
35	IPTG/EW/SC/08-09/B1/24 to 27	SHERLINE DIRECTION VERTICAL MILLING MACHINE, MODEL No.-2010	4	

36	IPTG/EW/SC/08-09/B1/31 to 32	HYDRAULIK PALLET TRUCK, CAPPACITY - 2000K.G.	2	
37	PDPU/SPT/ EW/ SC /11-12/1/01	FUME EXTRACTION SYSTEM	1	
38	PDPU/SPT/ EW/ SC /11-12/1/02 to 15	BENCH VICE 6"	14	

39	PDPU/SPT/ EW/ SC /11-12/1/16 to 19	BENCH VICE 6"	4			
40	PDPU/SPT/ EW/ SC /11-12/1/20 to 31	BENCH VICE 6"	12			



2. THERMODYNAMICS LABORATORY




Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
1	1 Cylinder. 4 stroke, water cooled, Diesel engine Test Ring (Kilosker Make) With Rope Brake Dynamometer, Exhaust Gas Calorimeter, made of S.S. & Digital Tachometer	1	PDPU/SOT/ME/Tdy/2011-12/01	
2	Single Stage Air Compressor, Test Ring (1 Hp With Crompton) Digital Tachometer	1	PDPU/SOT/ME/Tdy/2011-12/02	
3	Bomb Calorimeter (E.I.E. Make -Digital)	1	PDPU/SOT/ME/Tdy/2011-12/03	



4	Electronics Balance (Make - Shiadzu)	1	PDPU/SOT/ME/Tdy/2011-12/05	
5	Magnetic Stirrer with Heating (Make - Remi)	1	PDPU/SOT/ME/Tdy/2011-12/06	

3. STRENGTH OF MATERIALS LABORATORY




4.


Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
01	Fatigue Testing Machine, Capacity: 200kg.cm Model: VFT- 200 (Make Venus Enterprises)	1	PDCU/SOT/MECH/SOM/	
02	Torsion testing Machine Model: TTV 20 kgm (Make Venus Enterprises)	1	PDCU/SOT/MECH/SOM/	

03	<p>Universal Testing Machine Capacity: 1000 kN Model: UTV 100E (computerized) (Make Venus Enterprises)</p>	1	PDPU/SOT/MECH/SOM/	
04	<p>Computerized Compression Testing Machine. Capacity: 2000kn (Make TechMech)</p>	1	PDPU/SOT/MECH/SOM/	
05	<p>Rockwell cum Brinell Hardness Testing Machine Model: AI-RABI-1 Capacity: 250kgf (Make TechMech)</p>	1	PDPU/SOT/MECH/SOM/	



06	<p>Izod cum Charpy Impact Testing Machine. Model: TM-IT-30 Capacity: 300 Joules (Make TechMech)</p>	1	PDPU/SOT/MECH/SOM/	
07	<p>Vickers Hardness Testing Machine</p>	1	PDPU/SOT/MECH/SOM/	

4. REFRIGERATION & AIR CONITIONING LABORATORY


Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
1	Heat Pump Demonstrator (Water to Water)	1	PDCU/SOT/ME/RAC/2012-13/01	
2	Vapour Absorption Refrigeration Test Ring (Ammonia - Water)	1	PDCU/SOT/ME/RAC/2012-13/02	
3	Vapour compression refrigeration cycle Test Ring With Data Acquisition System (With Computer System)	1	PDCU/SOT/ME/RAC/2012-13/03	

4	Computerized Air-Conditioning Cycle Test Ring With Data Acquisition System (With Computer System)	1	PDPU/SOT/ME/RAC/2012-13/04	
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5. PRODUCTION TECHNOLOGY LABORATORY



Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
01	CAPSTAN TURRET LATH MACHINE (SPM) COMPLETE WITH ALL STANDARD ACCESSORIES	01	PDPU/SOT/ME/PT/12-13/01/001	
02	SPARK EROSION MACHINE (EDM)S-50	01	PDPU/SOT/ME/PT/13-14/01/002	

6. POWER PLANT ENGINEERING LABORATORY


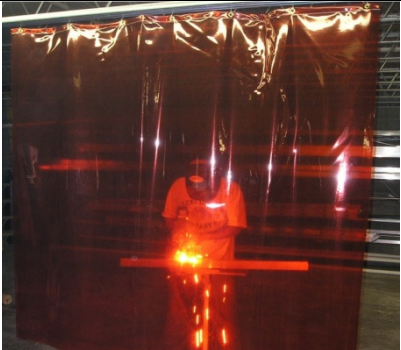
Sr. No.	Dead Stock Number /Asset Number	Item Specification	Qty.	Figure
1	Boiler old (Non-Working)	PDCU/SOT/ME/PPE/2013-14/01	01	



7. NON CONVENTIONAL ENERGY SOURCES LABORATORY



Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
1	FLAT PLATE COLLECTOR	1	PDPU/SOT/ME/NCES/2012-13/01	
2	SOLAR DISTILLATION APPARATUS	1	PDPU/SOT/ME/NCES/2012-13/02	




3	SOLAR WATER HEATER SYSTEM (EVC)	1	PDPU/SOT/ME/NCES/2012-13/03	
4	SOLAR THERMAL PARABOLIC THROUGH COLLECTOR TRAINING SYSTEM	1	PDPU/SOT/ME/NCES/2012-13/04	




8. MANUFACTURING PROCESS –II LABORATORY

Sr. No.	Dead Stock Number /Asset Number	Name of Item	Qty.	Figure
1	PDPJ/SOT/ME/MP-2/2014/01	ARGON GAS CYLINDER (Empty)	1	
2	PDPJ/SOT/ME/MP-2/2014/02	WELDING CURTAIN	6	


3	PDCU/SOT/ME/MP-2/2014/03	MMA/TIG/MIG WELDING MACHINE, MODEL No.-IFLEX 350	1	
4	PDCU/SOT/ME/MP-2/2014/04	OXYGEN GAS CYLINDER, 7.1 Cu.M.	2	

5	PDPU/SOT/ME/MP-2/2014/05	ACETYLENE GAS CYLINDER 7.1 Cu.M.	2	 A photograph showing two gas cylinders mounted on a blue metal cart with two wheels. The cylinder on the left is black, and the one on the right is red. Both have various gauges and hoses attached to their tops.
6	PDPU/SOT/ME/MP-2/2014/06	SPOT CUM PROJECTION WELDING MACHINE, MODEL No.-KEP-30PR45	1	 A photograph of a spot cum projection welding machine. It is a tall, vertical machine with a blue and grey frame. The top part has a welding head with two electrodes. To the right of the machine is a control panel on a stand. The machine is situated in a workshop or factory setting.



7	PDPJ/SOT/ME/MP-2/2014/07	WATER CIRCULATION SYSTEM FOR ABOVE 30 KVA SPOT WELDING MACHINE	1	
8	PDPJ/SOT/ME/MP-2/2014/08	BANDSAW BLADE WELDING MACHINE WITH SHEARING ATTACHMENT & GRINDING ATTACHMENT , MODEL No.-KB-031	1	
9	PDPJ/SOT/ME/MP-2/2014/09	DOUBLE CYLINDER TROLLEY WITH TOOL BOX	1	





10	PDPJ/SOT/ME/MP-2/2014/10	SINGLE CYLINDER TROLLY	1	
11	PDPJ/SOT/ME/MP-2/2014/11	MICRO INJECTION MOLDING MACHINE	1	
12	PDPJ/SOT/ME/MP-2/2014/12	6-HEATING BENDS	6	

13	PDPU/SOT/ME/MP-2/2014/13	TENSILE TEST MOULDS AS PER ASTM D638	1	
14	PDPU/SOT/ME/MP-2/2014/14	IZOD IMPACT MOULDS AS PER ASTM 256	1	
15	PDPU/SOT/ME/MP-2/2014/15	FLEXURE MOULD AS PER ASTM D 790	1	
16	PDPU/SOT/ME/MP-2/2014/16	RACIPROCATING COPRESSOR	1	




17	PDPU/SOT/ME/MP-2/2014/17	I-1330-3 CUTMASTER 25 MANUAL PLASMA CUTTING INVERTER , 415-V. 3-PHASE 50/60 Hz / 16 Amps. 80A@ 40% DUTY CYCLE WITH SL60 , 6.1M HAND CUTTING TOURCH, WORK HEAD 7-8910 CUTTING GUDEKIT	1	
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9. MANUFACTURING PROCESS –I LABORATORY



Sr. No.	Dead Stock Number /Asset Number	Name of Item	Qty.	Figure
1	PDPU/SOT/ME/MP-I/ 12-13/01/001	UNIVERSAL MILLING MACHINE COMPLETE WITH ALL STANDARD ACCESSORIES	1	
2	IPTG/EW/SC/07-08/01/09	SLIDING TABLE 8''X 8''	1	



3	IPTG/EW/SC/07-08/01/18	UNIVERSAL DIVIND HEAD	1	
4	IPTG/EW/SC/07-08/01/19	ROTARY TABLE	1	
5	IPTG/EW/SC/07-08/01/20	UNIVERSAL MACHINE VICE	1	
6	IPTG/EW/SC/07-08/01/21	MEDIUM DUTY ALL GEARED LATH MACHINE	1	




7	IPTG/EW/SC/07-08/01/22 TO 23	DEAD CENTER	2	
8	IPTG/EW/SC/07-08/01/24	CENTER ADAPTOR	1	
9	IPTG/EW/SC/07-08/01/25	STEADY REST FOR ET 0.7 & ET 1.0	1	



<p>10</p>	<p>IPTG/EW/SC/07-08/01/26</p>	<p>FOLLOW REST FOR ET 0.7 & ET 1.0</p>	<p>1</p>	
<p>11</p>	<p>IPTG/EW/SC/07-08/01/27</p>	<p>COOLANT PUMP WITH TANK & FITTINGS</p>	<p>1</p>	
<p>12</p>	<p>IPTG/EW/SC/07-08/01/28</p>	<p>THREE JAW CHUCK 8"X3"</p>	<p>1</p>	


13	IPTG/EW/SC/07-08/01/29	FOUR JAW CHUCK 10"X 4"	1	
14	IPTG/EW/SC/07-08/01/30	REVOLING CENTER	1	
15	IPTG/EW/SC/07-08/01/31	MACHINE LAMP	1	

16	IPTG/EW/SC/07-08/01/32	QUICK CHANGE TOOL POST	1	
17	IPTG/EW/SC/07-08/01/33	UNIVERSAL MILLING MACHINE	1	



18	IPTG/EW/SC/07-08/01/34	VERTICAL HEAD	1	
19	IPTG/EW/SC/07-08/01/35	COLLET CHUCK ISO 40	1	
20	IPTG/EW/SC/07-08/01/36	PARKING BRACKETS FOR VERTICAL HEAD MOUNTING	1	




21	IPTG/EW/SC/07-08/01/37	MACHINE LAMP	1	
22	IPTG/EW/SC/07-08/01/39	SHAPING MACHINE	1	
23	IPTG/EW/SC/07-08/01/45	BENCH GRINDING MACHINE	1	

24	IPTG/EW/SC/08-09/01/B20 TO B23	SHERLINE LATH MACHINE MODEL NO- 4410C	4	
25	IPTG/EW/SC/08-09/01/B24 TO B27	SHERLINE DIRECTION VERTICAL MILLING MACHINE MODEL NO - 2010	4	

26	PDPU/SOT/ME/12-13/1 TO 3	ALL GEARED LATH MACHINE , MODEL NO-35	3	
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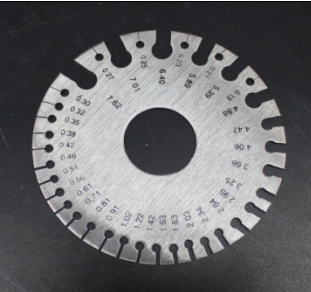
10. MECHANICAL MEASUREMENT & METROLOGY LABORATORY

Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
1	PROFILE PROJECTOR WITH 50X MAGNIFICATION	1	PDPU/SOT/ME/M.M.M/2011-12/01	 A profile projector with a large circular lens and a purple cloth draped over the top.
2	GEAR ROLLING TESTER	1	PDPU/SOT/ME/M.M.M/2011-12/02	 A green gear rolling tester with a vertical shaft and a gear mounted on it.

3	MICRO METER SCREW GAUGES 0-25mm	1	PDPU/SOT/ME/M.M.M/2011-12/03	
4	MICRO METER SCREW GAUGES 25-50mm	1	PDPU/SOT/ME/M.M.M/2011-12/04	
5	DIGITAL VERNIER CALIPER 0-150mm x0.01mm	1	PDPU/SOT/ME/M.M.M/2011-12/05	





6	TELESCOPIC GAUGE	1	PDPU/SOT/ME/M.M.M/2011-12/06	
7	ELECTRONIC COMPARATOR	1	PDPU/SOT/ME/M.M.M/2011-12/07	
8	SINE BAR-300mm	1	PDPU/SOT/ME/M.M.M/2011-12/08	
9	SURFACE MESURING INSTRUMENT	1	PDPU/SOT/ME/M.M.M/2011-12/09	

10	DIAL BORE GAUGE 50-150mm	1	PDP/PU/SOT/ME/M.M.M/2011-12/10	
11	VERNIER DEPTH GAUGE 0-200mm	1	PDP/PU/SOT/ME/M.M.M/2011-12/11	
12	METRIC FILLER GAUGE 0.05-1.0mm	1	PDP/PU/SOT/ME/M.M.M/2011-12/12	
13	VERNIER CALIPER 0.200mm	3	PDP/PU/SOT/ME/M.M.M/2011-12/13	

14	TEPER RING GAUGE	1	PDPU/SOT/ME/M.M.M/2011-12/14	
15	TEPER PLUG GAUGE	1	PDPU/SOT/ME/M.M.M/2011-12/15	
16	STEEL WIRE GAUGE ROUND NECK	1	PDPU/SOT/ME/M.M.M/2011-12/16	

17	DIAL GAUGE 0-10mm	1	PDPU/SOT/ME/M.M.M/2011-12/17	
18	PLAIN RING GAUGE	1	PDPU/SOT/ME/M.M.M/2011-12/18	
19	PYROMETER-500 DEG.	1	PDPU/SOT/ME/M.M.M/2011-12/19	
20	MECHANICAL FORCE GAUGE -20 KGF	1	PDPU/SOT/ME/M.M.M/2011-12/20	

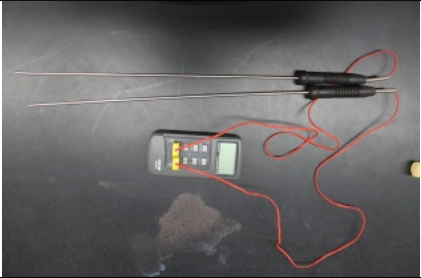


21	MECHANICAL TORQUE GAUGE-50-224 NM	1	PDPU/SOT/ME/M.M.M/2011-12/21	
22	SLIPE GAUGE SET	1	PDPU/SOT/ME/M.M.M/2011-12/22	
23	VERNIER HEIGHT GAGUE	1	PDPU/SOT/ME/M.M.M/2011-12/23	
24	BEVEL PROTECTOR	1	PDPU/SOT/ME/M.M.M/2011-12/24	


25	PLAIN PLUG GAUGE DOUBLE END	1	PDPU/SOT/ME/M.M.M/2011-12/25	
26	RADIES GAUGE	1	PDPU/SOT/ME/M.M.M/2011-12/26	
27	TEMPERATURE CALIBRATION EQUIPMENT	1	PDPU/SOT/ME/M.M.M/2011-12/27	
28	Automatic Money Counter With Fake Money Detector	1	PDPU/SOT/ME/M.M.M/2011-12/28	

29	Contact type digital tachometer	1	PDCU/SOT/ME/MMM/2011-12/29	
30	Mechanical tachometer	1	PDCU/SOT/ME/MMM/2011-12/30	
31	Non-contact Thermometer	1	PDCU/SOT/ME/MMM/2011-12/31	
32	Whirling type hygrometer	1	PDCU/SOT/ME/MMM/2011-12/32	



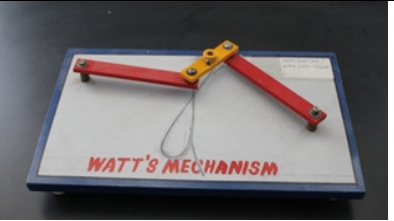
33	Wet & dry Bulb hygrometer	1	PDCU/SOT/ME/MMM/2011-12/33	
34	Digital clamp-meter (Tong tester)	1	PDCU/SOT/ME/MMM/2011-12/34	
35	Digital sound level meter	1	PDCU/SOT/ME/MMM/2011-12/35	
36	Digital Lux meter	1	PDCU/SOT/ME/MMM/2011-12/36	


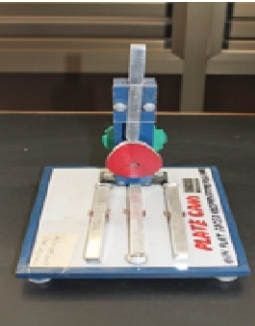


37	Digital Anemometer	1	PDCU/SOT/ME/MMM/2011-12/37		
38	Digital PH-meter	1	PDCU/SOT/ME/MMM/2011-12/38		
39	Digital Manometer	1	PDCU/SOT/ME/MMM/2011-12/39		
40	Digital Temp. Humidity Measurement with daily Update	1	PDCU/SOT/ME/MMM/2011-12/40		



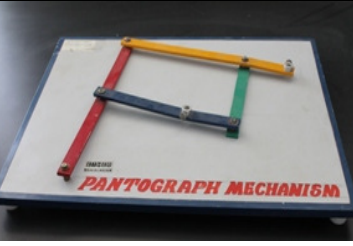

41	Digital Thermocouple Sensor	1	PDPU/SOT/ME/MMM/2011-12/41	
42	Stethoscope	1	PDPU/SOT/ME/MMM/2011-12/42	
43	Sphygmomanometer	1	PDPU/SOT/ME/MMM/2011-12/43	

44	Electronic Weight Measuring Machine	1	PDPU/SOT/ME/MMM/2011-12/44	
45	Height Measuring Device up to 2m Length	1	PDPU/SOT/ME/MMM/2011-12/45	
46	Weight Measuring Apparatus Mechanical Type up to 120 kg	1	PDPU/SOT/ME/MMM/2011-12/46	

11. KINEMATICS OF MACHINES LABORATORY



Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
1	SCOTCH YAKE MECHANISHM (Table Top Working Model)	1	PDCU/SOT/ME/K.M./2011-12/01	
2	OLDHAM COUPLING (Table Top Working Model)	1	PDCU/SOT/ME/K.M./2011-12/02	
3	WATT S MECHANISM (Table Top Working Model)	1	PDCU/SOT/ME/K.M./2011-12/03	




4	CRANK & SLOTTED LINK MECHANISM (Table Top Working Model)	1	PDPU/SOT/ME/K.M./2011-12/04	
5	MODEL FOR CAM FOLLOWER (Table Top Working Model)	1	PDPU/SOT/ME/K.M./2011-12/05	
6	SLIDER CRANK MECHANISM(Table Top Working Model)	1	PDPU/SOT/ME/K.M./2011-12/06	
7	MODEL OF KINEMATICKS PAIRS(Table Top Working Model)	1	PDPU/SOT/ME/K.M./2011-12/07	





8	BI-FILLER TRIFILLER SUSPEN.(Table Top Working Model)	1	PDCU/SOT/ME/K.M./2011-12/08	
9	FOUR BAR MECHANISM (Table Top Working Model)	1	PDCU/SOT/ME/K.M./2011-12/09	
10	PANTOGRAPH MECHANISM (Table Top Working Model)	1	PDCU/SOT/ME/K.M./2011-12/10	
11	FOUR BAR CHAIN MECHANISM (Table Top Working Model)	1	PDCU/SOT/ME/K.M./2011-12/11	




12. INTERNAL COMBUSTION ENGINE LABORATORY




Detailed list of instruments:


Sr. No.	Dead Stock Number /Asset Number	Item Specification	Qty.	Figure
1	PDPU/SOT/ME/2013-14/01	Different types of carburetors (, Honda carburetor, four wheeler)	2	
2	PDPU/SOT/ME/2013-14/02	Diesel engine fuel pumps (diesel car,)	2	

3	PDCU/SOT/ME/2013-14/11	Diesel fuel injector (nozzles)	1	
4	PDCU/SOT/ME/2013-14/03	Radiator	1	
5	PDCU/SOT/ME/2013-14/04	Honda engine (CT-100)	1	

6	PDP/PU/SOT/ME/2013-14/05	Flywheel of engine	1	
7	PDP/PU/SOT/ME/2013-14/06	Inlet and exhaust valve assembly	1	
8	PDP/PU/SOT/ME/2013-14/07	Pistons models (BIKE/CAR)	2	
9	PDP/PU/SOT/ME/2013-14/08	Connecting rods	2	




10	PDPU/SOT/ME/2013-14/09	Crankshaft	1	
11	PDPU/SOT/ME/2013-14/10	Cams and cam shafts	1	
12	PDPU/SOT/ME/2013-14/12	Single cylinder 4 stock VCR diesel engine test ring with computer	1	




13	PDPU/SOT/ME/2013-14/13	Equipment for MORSE test on multi cylinder petrol engine with CNG kit	1	
14	PDPU/SOT/ME/2013-14/14	Cut section modal of actual 4 cylinder 4 stock petrol engine with MPFI and COLLING system	1	
15	PDPU/SOT/ME/2013-14/15	Cut section modal of actual 4 cylinder 4 stock diesel engine with Fuel injection and cooling system	1	



16	PDPU/SOT/ME/2013-14/16	Cut section of diesel engine fuel system	1	
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13. HEAT AND MASS TRANSFER LABORATORY

Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
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1	FORCED CONVECTION HEAT TRANSFER TEST RING	1	PDCU/SOT/ME/HMT/2012-13/01	
2	STIFFEN BOLTZMENN CONSTANT APPARATUS	1	PDCU/SOT/ME/HMT/2012-13/02	
3	EMMIISIVITY MEASURMENT APPARATUS	1	PDCU/SOT/ME/HMT/2012-13/03	




4	PARELLEL FLOW & COUNTER FLOW HEAT EXCHANGER APPARTUS	1	----	
5	HEAT TRANSFER IN NATURAL CONVECTION APPARATUS	1	---	
6	THERMAL CONDUCTIVITY OF INSULATING POWDER APPARATUS	1	-----	


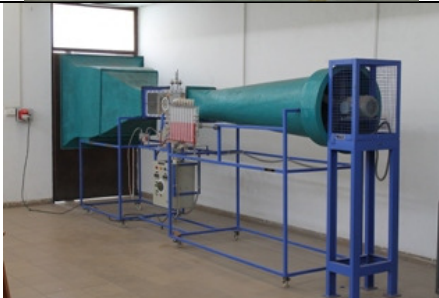

7	THERMAL CONDUCTIVITY OF METAL ROAD APPARATUS	1	----	
8	SHELL AND TUBE HEAT EXCHANGER APPARATUS	1	---	

14.



14.FLUID MECHANICS LABORATORY



Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
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1	METACENTRIC HEIGHT APPARUTUS	1	PDCU/SOT/ME/F.M/2011-12/01	
2	FLOW THROUGH MOUTH PIECE AND ORIFICE Apparatus	1	PDCU/SOT/ME/F.M/2011-12/02	
3	IMPACT OF JET SET –UP Apparatus	1	PDCU/SOT/ME/F.M/2011-12/04	



4	COMPRESSOR MULTISTAGE Apparatus	1	PDP/PU/SOT/ME/F.M/2011-12/05	
5	WIND TUNNEL MODEL WT-2, TEST SECTION 300*300*300 Apparatus	1	PDP/PU/SOT/ME/F.M/2011-12/06	
6	KAPLAN TURBINE TEST RING, CLOSED CIRCUIT WITHOUT DATA ACQUISITION, ALONG WITH ACCESSORIES Apparatus	1	PDP/PU/SOT/ME/F.M/2011-12/07	

15.FLUID MACHINERY LABORATORY

Sr. No.	Dead Stock Number /Asset Number		Name of Item	Qty.	Figure	
1	IPTG/ES/SC/08-09/1/11	1	REYNOLDS APPRATUS (HD 110)	1		
2	IPTG/ES/SC/08-09/1/12	1	DISCHARGE THROUGH VENTURIMETER, ORFICEMETER, & ROTAMETER (HD 108)	1		

3	IPTG/ES/SC/08-09/1/13	1	FRICTION PRESSURE DROP THROUGH PIPES	1	
4	IPTG/ES/SC/08-09/1/14	1	FLOW THROUGH PIPE FITTINGS	1	



5	IPTG/ES/SC/08-09/1/15	1	EFLUX TIME OF TANK IN VISCOUS FLOW	1	
6	IPTG/ES/SC/08-09/1/17	1	BERNOLLIS THEOREM	1	
7	IPTG/ES/SC/09-10/01	1	PENUMATIC TEST BENCH WITH COMPRESOR	1	
8	IPTG/ES/SC/09-10/02	1	HYDRAULIC RAM	1	




9	IPTG/ES/SC/09-10/03	1	FRANCIS TURBINE TEST RING	1	 <p>A photograph of a Francis turbine test rig. It features a large, complex metal structure with a prominent vertical pipe and a horizontal pipe. The rig is mounted on a white base and includes various gauges and electrical components.</p>
10	IPTG/ES/SC/09-10/04	1	RECIPROCATING PUMP TEST RING	1	 <p>A photograph of a reciprocating pump test rig. The rig is primarily blue and white, with a control panel on the front featuring several gauges and a pressure gauge. It is situated on a laboratory bench with other equipment visible in the background.</p>



11	PDPU/SPT/ESL/09-10/05	1	CENTRIFUGAL PUMP MODULE	1
	//	1	(A) TURBINE DYNAMO METER	1
	//	1	(B) PELTON WHEEL	1
	//	1	© KAPLAN TURBINE	1
	//	1	(D) VERSATILE DATA ACQUISITION SYSTEM	1
	//	1	(E) UNIVERSAL DYNAMO METER	1
12	PDPU/SPT/ESL/09-10/06	1	AXIAL FAN MODULE	1
	//	1	(A) UNIVERSAL DYNAMO METER	1
	//	1	(B) VERSATILE DATA ACQUISITION SYSTEM	1
	//	1	© PITOT STATIC TRAVERSE (500 MM)	1









16.ELEMENTS OF MECHANICAL ENGINEERING LABORATORY




Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
1	Model Of Lancashire Boiler	1	PDCU/SOT/ME/EME/2011-12/01	
2	Model Of Babcock & Wilcox Boiler	1	PDCU/SOT/ME/EME/2011-12/02	

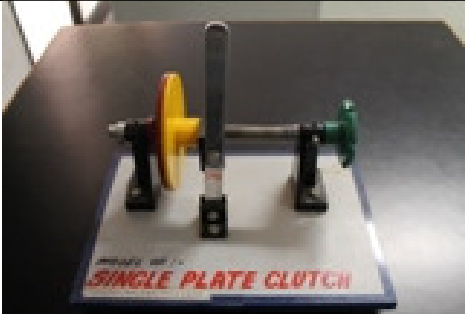
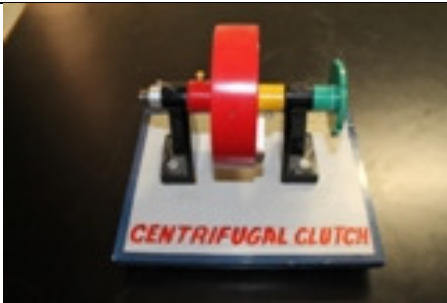
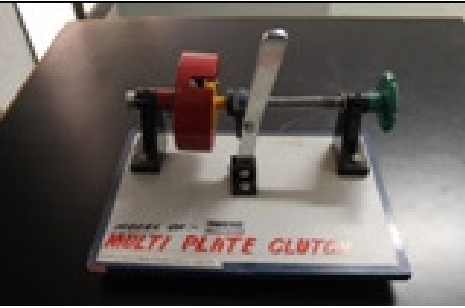
3	Model Of Locomotive Boiler	1	PDCU/SOT/ME/EME/2011-12/03	
4	Model Of Cochran Boiler	1	PDCU/SOT/ME/EME/2011-12/04	
5	Rack & Pinion	1	PDCU/SOT/ME/EME/2011-12/05	




6	Model Of Air Lift Pump	1	PDCU/SOT/ME/EME/2011-12/06	
7	Pendulum Pump Table Top Working Model	1	PDCU/SOT/ME/EME/2011-12/07	




8	Centrifugal Pump Table Top Working Model	1	PDPU/SOT/ME/EME/2011-12/08	
9	Rotary Pump Table Top Working Model	1	PDPU/SOT/ME/EME/2011-12/09	
10	Band Brake Table Top Working Model	1	PDPU/SOT/ME/EME/2011-12/10	



11	Disc Brake Model	1	PDPU/SOT/ME/EME/2011-12/11	
12	Double Shoe Brake Table Top Working Model	1	PDPU/SOT/ME/EME/2011-12/12	
13	Single Shoe Brake Table Top Working Model	1	PDPU/SOT/ME/EME/2011-12/13	



14	Band & Block Brake Table Top Working Model	1	PDCU/SOT/ME/EME/2011-12/14	
15	Internally Expanding Brake Table Top Working Model	1	PDCU/SOT/ME/EME/2011-12/15	
16	Claw Clutch Table Top Working Model	1	PDCU/SOT/ME/EME/2011-12/16	


17	Plate Clutch Table Top Working Model	1	PDPU/SOT/ME/EME/2011-12/17	
18	Centrifugal Clutch (Table Top Working Model)	1	PDPU/SOT/ME/EME/2011-12/18	
19	Multi Plate Clutch (Table Top Working Model)	1	PDPU/SOT/ME/EME/2011-12/19	

20	Sudgen Super Heater (Table Top Working Model)	1	PDPU/SOT/ME/EME/2011-12/20	
21	Belt Drive Single Speed (Table Top Working Model)	1	PDPU/SOT/ME/EME/2011-12/21	
22	Belt Drive Two Stage (Table Top Working Model)	1	PDPU/SOT/ME/EME/2011-12/22	



23	<p>MODEL OF BELT PULLEYS (Flat Belt Pulley, Rope Pulleys' Belted Pulley, Cone Pulley)</p>	1	<p>PDPU/SOT/ME/EME/2011-12/23</p>	
24	<p>Types Of Bearing (4-No.)</p>	1	<p>PDPU/SOT/ME/EME/2011-12/24</p>	
25	<p>Differential Gear Assembly (Table Top Working Model)</p>	1	<p>PDPU/SOT/ME/EME/2011-12/27</p>	

26	Green Economizer(Table Top Working Model)	1	PDPU/SOT/ME/EME/2011-12/28	
27	UNIVESAL COUPLING (Table Top Working Model)	1	PDPU/SOT/ME/EME/2011-12/40	



28	Working Model Of Motor CAR Steering	1	PDPU/SOT/ME/EME/2011- 12/41	
29	Working Model Of Tractor Steering	1	PDPU/SOT/ME/EME/2011- 12/42	

30	Model Of Gear Box With Clutch	1	PDPU/SOT/ME/EME/2011-12/43	
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17. ENGINEERING METALLURGY LABORATORY

Sr. No.	Dead Stock Number /Asset Number	Item Specification	Qty.	Figure
1	PDPU/SOT/ME/ENG.MET/11-12/01/001	ENGINEERING METALLURGY MICROSCOP	1	
2	PDPU/SOT/ME/ENG.MET/12-13/01/001	SPECIMEN CUTTING MACHINE MODEL NO-7001-CM	1	



3	PDPU/SOT/ME/ENG.MET/12-13/01/002	BELT GRINDER MODEL NO-7001-CM	1	
4	PDPU/SOT/ME/ENG.MET/12-13/01/003	SAMPLE MOUNTING PRESS MODEL NO-7001-CM	1	
5	PDPU/SOT/ME/ENG.MET/12-13/01/004	POLISHING DOUBLE DISK	1	




6	PDPU/SOT/ME/ENG.MET/12-13/01/005	DIGITAL IMAGE CAPUTURING DEVICE + 5-MEGA PIXELES ADPTORE Fitted in this Apparatus	1+1	
7	PDPU/SOT/ME/ENG.MET/12-13/01/006	COMPETE METALULOGRAPHIC STRUCTURE AND GRINESIZE Software Installed in Computer	1	




18.ENGINEERING GRAPHICS LABORATORY



Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
1	Wooden Drawing Board (B1 - Size) Mounted on Adjustable Table or Stand (Tilted up to -15°)	60	-----	



19.DYNAMICS OF MACHINES LABORATORY



Sr. No.	Dead Stock Number /Asset Number	Item Specification	Qty.	Figure
1	PDPU/SOT/ME/DOM/2012-13/01	CAM & Follower Apparatus With Motor	1	 A photograph of a mechanical apparatus used for studying cam and follower mechanisms. It features a black base with a motor on the right side, a central camshaft, and a follower mechanism supported by a metal frame.
2	PDPU/SOT/ME/DOM/2012-13/02	Motorized Governor Apparatus	1	 A photograph of a motorized governor apparatus. It consists of a black base with a motor on the right, a central governor mechanism with two weights, and a control panel on the left with a red button and a meter.

3	PDPU/SOT/ME/DOM/2012-13/03	Digital Stroboscope Tachometer	1	
4	PDPU/SOT/ME/DOM/2012-13/04	Stopwatch (02-Compiementary)	3	
5	PDPU/SOT/ME/DOM/2012-13/05	GYROSCOPE APPARATUS(TEST SETUP WITH MEASUREMENT)	1	

6	PDPU/SOT/ME/DOM/2012-13/06	STATICS & DYNAMIC(Table Top Working Model)	1	
7	PDPU/SOT/ME/DOM/2012-13/07	WHIRLING OF SHAFT APPARATUS (TEST SETUP WITH MEASUREMENT)	1	
8	PDPU/SOT/ME/DOM/2012-13/08	Universal vibration Apparatus (Test setup with measurement Make EEE)	1	


9	PDPU/SOT/ME/DOM/2012-13/09	Torsnoal Vibration Apparatus (Test setup with measurement Make EEE)	1	
10	PDPU/SOT/ME/DOM/2012-13/10	BI-FILLER TRIFILLER SUSPEN.(Table Top Working Model)	1	

11	PDPU/SOT/ME/DOM/2012-13/11	WORKING MODEL FOR WATT GOVERNOR	1	 A blue metal working model of a Watt governor. It features a central vertical spindle with a threaded section. Two horizontal arms are attached to the spindle, each ending in a spherical weight. The arms are connected to a blue frame that allows them to swing outwards as the spindle rotates. The text "WATT'S GOVERNOR" is visible on the blue frame.
12	PDPU/SOT/ME/DOM/2012-13/12	WORKING MODEL FOR PORTER GOVERNOR	1	 A blue metal working model of a Porter governor. It has a central vertical spindle with a red cylindrical weight in the middle. Two horizontal arms are attached to the spindle, each ending in a spherical weight. The arms are connected to a blue frame. The text "PORTER'S GOVERNOR" is visible on the blue frame.



13	PDP/ME/2012-13/13	WORKING MODEL FOR PROELL GOVERNOR	1	
14	PDP/ME/2012-13/14	WORKING MODEL FOR HARTNELL GOVERNOR	1	

20.DESIGN OF MACHINE ELEMENTS LABORATORY


Detailed list of instruments:

Sr. No.	Name of Item	Qty.	Dead Stock Number /Asset Number	Figure
1	Wooden Drawing Board (B1 - Size) Mounted on Adjustable Table or Stand (Tilted up to -15°) [E.G. Lab.]	60	----	



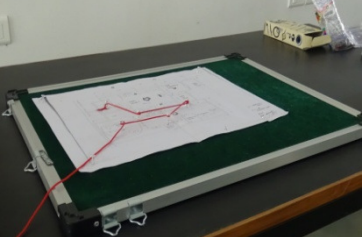
21.COMPUTER AIDED MANUFACTURING LABORATORY


Sr. No.	Dead Stock Number /Asset Number	Item Specification	Qty.	Figure
1	IPTG/EW/SC/07-08/1/1&2	XTURN CNC STANT BED LATH WITH 8 STATION INDEXING TOOL POST AND FANUC EMULATED CONTROL (Available in Workshop)	2	
2	IPTG/EW/SC/07-08/1/3&4	XL MILL CNC BENCH MILLING MACHINE NON ATC (Available in Workshop)	2	

22.COMPUTER AIDED DESIGN & ENGINEERING LABORATORY

Sr. No.	Dead Stock Number /Asset Number	Item Specification	Qty.	Figure
1	----	COMPUTER SYSTEM WITH INSTOLLED SOFTWER	30+30 = 60	

23.WORK STUDY(WDM) AND +STATISTICAL QUALITY VONTROL(SQC) LABORATORIES

Sr. No.	Name of Item	Unit	Qty.	Dead Stock Number /Asset Number	Figure
1	SCREW GAUGE -(0-25 mm Micrometer)	No's	1	PDPU / SOT / IE / SQC2014-15/01	
2	COAT BUTTONS(CONSUMABLE)	No's	100	<p style="background-color: yellow;">PDPU / SOT / IE / SQC/2014-15/</p> <p>(not applicable to this item)</p>	
3	SOFT BOARD	No's	1	PDPU / SOT / IE / WDM/2014-15/01	

4	CAM CORDER	No's	1	PDPU / SOT / IE / WDM/2014-15/02	
5	TRIPOD STAND	No's	1	PDPU / SOT / IE / WDM/2014-15/03	