

# R&D Facilities & Services

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S.N.	Name of Laboratory	Name of the Equipment's	Dead Stock Number
1	Research Lab	Nvidia Zotac Graphics Card	MCOERC/COMP/RL/7/1
2	Research Lab	Thumb Impression (For Single User)	MCOERC/COMP/RL/8/1
3	Research Lab	XBOX 360 Kinect Sensor	MCOERC/COMP/RL/9/1
4	Research Lab	Begalbone Black Kit	MCOERC/COMP/RL/11/1
5	Research Lab	Raspberry Pi 2 Model B	MCOERC/COMP/RL/15/1
6	Research Lab	Irrigation System Hardware Kit	MCOERC/COMP/RL/14/1
7	Research Lab	Digital Pen, Optical Character Recognition Device	MCOERC/COMP/RL/14/1
8	Research Lab	Digital Camera: 20 mega Pixel, 35 Optimal Zoom	MCOERC/COMP/RL/16/1

Sr. No.	Name of Laboratory	List of Major Equipments	Dead Stock Number
1	Basic Electrical Engineering	Dual Trace Oscilloscope 20 MHz	MCOERC/ELECT/BEE/25/1-5
		1 phase transformer tapping of both sides- 2 KVA	MCOERC/ELECT/BEE/1/1-4
2	Electrical Machines	DC shunt Motor # Salient Pole Alternator	MCOERC/ELECT/EM/5/1
		DC shunt motor # Cylindrical rotor Alternator.	MCOERC/ELECT/EM/18/1
		Auto synchronous motor with Break Drum	MCOERC/ELECT/EM/34/1
		DC shunt motor # Sailent pole Altemeter	MCOERC/ELECT/EM/35/1
		Diesel Generator Set 82.5 kVA	MCOERC/ELECT/EM/49/1
3	Material Science	H.V Tester-30KV,30mA with jig for solid material	MCOERC/ELECT/MS/1/1
		Motorized Oil Testing set 230V/0-60V	MCOERC/ELECT/MS/2/1
		High Voltage transformer with control pannel 230V/0-100V,100MA	MCOERC/ELECT/MS/3/1
		100mm sphere Gap Asembly	MCOERC/ELECT/MS/4/1
		Ageing equipment to study crack development	MCOERC/ELECT/MS/8/1
4	Electrical Measurements	Three phase autotransformer(15A,440/0-470)	MCOERC/ELECT/EMI/34/1-2

5	Analog and Digital Electronics	CRO dual trace two channel [20MHz] caddo 801	MCOERC/ELECT/ADE/5/1-5
		Oscilloscope 30 MHz with component Tester	MCOERC/ELECT/ADE/11/1-4
		Power Scope	MCOERC/ELECT/ADE/12/1-3
6	Microprocessor Fundamental & Applications	8085 Microprocessor trainer Model XPO-85	MCOERC/ELECT/MFA/1/1-5
7	Power Electronics	Ahuja amplifier + mixer + accessories	MCOERC/ELECT/PE/10/1
		Ahuja amplifier + accessories	MCOERC/ELECT/PE/11/1
		150kW Solar Power generating System	MCOERC/ELECT/PE/23/1
8	Microcontroller & Applications	8051 Microcontroller Development Board	MCOERC/ELECT/MCA/18/1-6
9	Computer Programming	Matlab	MCOERC/ELECT/CP/1/1-3
		Sim Power System	MCOERC/ELECT/CP/3/1-5
		CONTROL SYSTEM TOOLBOX	MCOERC/ELECT/CP/2/1-5
10	Industrial Drives and Control	Single phase fully controlled converter	MCOERC/ELECT/IDC/3/1
		Three phase fully controlled converter	MCOERC/ELECT/IDC/4/1
		Chopper circuit using power MOSFET	MCOERC/ELECT/IDC/5/1
		3 Phase Induction Motor controller using v/f control	MCOERC/ELECT/IDC/6/1
11	PLC & SCADA	PLC & SCADA Trainer Kit	MCOERC/ELECT/PLC/1/1
12	Switchgear and Protection	Thermal Overload Relay Panel	MCOERC/ELECT/SGP/1/1
		Electromechanical Over current Relay Panel	MCOERC/ELECT/SGP/2/1
		600AMP ACB L&T	MCOERC/ELECT/SGP/3/1
		MCB & Fuse Test Panel	MCOERC/ELECT/SGP/4/1
		1000A Current Source Panel	MCOERC/ELECT/SGP/5/1
		Numerical Microprocessor Over Current relay Panel	MCOERC/ELECT/SGP/6/1
		% Differential protection of 3 phase transformer + merz-price protection of alternator	MCOERC/ELECT/SGP/7/1
		Electrical control Panel with Incommer MCCB 400A	MCOERC/ELECT/SGP/8/1
		11kV resine cast CT 10/5A	MCOERC/ELECT/SGP/9/1-3

13	Control System	Frequency Response of closed loop system	MCOERC/ELECT/CS/8/1
14	PG & Research Lab	Lenovo Think Center Model E-73 (25 nos.)	MCOERC/ELECT/PG/1/1-25
		Power Quality & Energy Analyzer	MCOERC/ELECT/PG/3/1

Sr. No.	Laboratory Name	Name of the Equipment's	Dead Stock Number
1	Transportation Engineering	Standard Penetrometer	MCERC/CIVIL/TRE/1/1
		Saybolt Viscometer	MCERC/CIVIL/TRE/2/1
		Flash Point Apparatus	MCERC/CIVIL/TRE/3/1
		Los Angeles Apparatus	MCERC/CIVIL/TRE/4/1
		Ductility Testing Machine	MCERC/CIVIL/TRE/5/1
		Marshal Stability Testing	MCERC/CIVIL/TRE/6/1
		Bitumen Extractor-Motorised with variable speed	MCERC/CIVIL/TRE/7/1
		Ring and Ball app-Elecoperatd with AC motor	MCERC/CIVIL/TRE/8/1
		TAR Viscometer	MCERC/CIVIL/TRE/9/1
		Thermometer 300C	MCERC/CIVIL/TRE/10/1 to 2
2	Survey	Digital Planimeter	MCERC/CIVIL/SURVEY/1/1 TO 1/2
		Dumy level-DL-9 with aluminium stand	MCERC/CIVIL/SURVEY/2/1 TO 2/2
		a)Ranging Rod -2m long	MCERC/CIVIL/SURVEY/3/1 TO 3/20
		b)Ranging Rod -3m long	
		a)Aluminium Staff-4m	MCERC/CIVIL/SURVEY/4/1 TO 4/3
		b)Aluminium Staff-5m	
		Plane Table Set with stand board & all accessories	MCERC/CIVIL/SURVEY/5/1 TO 5/4
		a)Prisamatic compass -100mm dia with aluminium stand	MCERC/CIVIL/SURVEY/6/1 TO 6/4
		b)Surveyors Compass with aluminium stand	MCERC/CIVIL/SURVEY/6/5 TO 6/6
		Plumb bob-MS	MCERC/CIVIL/SURVEY/7/1 TO 7/2
		a)Land Measuring Chain-20m	MCERC/CIVIL/SURVEY/8/1 TO 8/2
		b)Land Measuring chain-30m	MCERC/CIVIL/SURVEY/8/3TO 8/4
		Measuring tape-15m steel freeman	MCERC/CIVIL/SURVEY/9/1
		Measuring tape-15m FG freeman	MCERC/CIVIL/SURVEY/9/2
Measuring tape-30m FG freeman	MCERC/CIVIL/SURVEY/9/3 to 9/4		

	a)Wooden Peg-3x3cm	MCERC/CIVIL/SURVEY/10/1 TO 10/15
	b)Wooden Peg-4x4cm	MCERC/CIVIL/SURVEY/10/16 TO 10/20
	Survey Umbrella	MCERC/CIVIL/SURVEY/11/1 TO 11/2
	MS Arrow	MCERC/CIVIL/SURVEY/12/1 TO 12/20
	Aluminium Staff-4m long x 4 section new pattern	MCERC/CIVIL/SURVEY/13/1 TO 13/12
	Nautical Sextant	MCERC/CIVIL/SURVEY/14/1 TO 14/2
	Mirror stereoscope-with pair of photograph	MCERC/CIVIL/SURVEY/15/1 TO 15/2
	a)Open cross Staff-4" with M.S pole	MCERC/CIVIL/SURVEY/16/1 TO 16/2
	b)French Cross Staff	MCERC/CIVIL/SURVEY/16/3 TO 16/4
	Aerial Photograph	MCERC/CIVIL/SURVEY/17/1 TO 17/2
	Offset Rod	MCERC/CIVIL/SURVEY/18/1 TO 18/2
	Sprit level/Tube level	MCERC/CIVIL/SURVEY/19/1 TO 19/2
	Optical square-Circular type	MCERC/CIVIL/SURVEY/20
	Prism Square	MCERC/CIVIL/SURVEY/21
	Abney level-packed in wooden box	MCERC/CIVIL/SURVEY/22/1 TO 22/2
	Box Sextent	MCERC/CIVIL/SURVEY/23
	line ranger	MCERC/CIVIL/SURVEY/24/1 TO 24/2
	Auto Level-Sokkia B40 Supplied with Aluminium stand	MCERC/CIVIL/SURVEY/25/1 TO 25/2
	Theodolite-20 sec accuracy Supplied with Aluminium Stand	MCERC/CIVIL/SURVEY/26/1 to 26/3
	Micro Optic Theodoite	MCERC/CIVIL/Survey/38/1
	Pentax Total Station	MCERC/CIVIL/Survey/40/1
	Standard Vernier Theodolite with stands	MCERC/CIVIL/Survey/41/1 to 41/2
	Pentax Wooden Stand	MCERC/CIVIL/Survey/39/1
	Fiber measuring tape -50m	MCERC/CIVIL/Survey/42/1 TO 42/5
	Fiber measuring tape -30m	MCERC/CIVIL/Survey/42/6 TO 42/10
	Fiber measuring tape -15m	MCERC/CIVIL/Survey/42/11 TO 42/15
	Parallax Bar	MCERC/CIVIL/Survey/43/1
<b>3</b>	<b>Strength Of Material</b>	
	Tile flexural strength testing machine	MCERC/CIVIL/SOM/1/1
	Abrasion testing machine	MCERC/CIVIL/SOM/2/1
	Torsion Testing Machine	MCERC/CIVIL/SOM/3/1
	Computerised U.T.M. 100 TON CAP	MCERC/CIVIL/SOM/4/1
	Electronic weighing balance (100kg)	MCERC/CIVIL/SOM/5/1

		Vernier calliper- 150mm	MCERC/CIVIL/SOM/6/1 MCERC/CIVIL/SOM/6/2
		Dial Gauge -0-25mm	MCERC/CIVIL/SOM/7/1 MCERC/CIVIL/SOM/7/2 MCERC/CIVIL/SOM/7/3
		Dial Gauge -0-5mm	MCERC/CIVIL/SOM/8/1 MCERC/CIVIL/SOM/8/2 MCERC/CIVIL/SOM/8/3
4	Geotechnical Engineering	Electronic Balance, 200 gm Capacity and accuracy 0.001 gm	MCERC/CIVIL/GEOTECH/1/1
		Wooden Mallet Std. Size	MCERC/CIVIL/GEOTECH/2/1 TO MCERC/CIVIL/GEOTECH/2/5
		Polythene Wash Bottle 1000 ml	MCERC/CIVIL/GEOTECH/3/1
		Brush for Cleaning Sieves	MCERC/CIVIL/GEOTECH/4/1
		Triaxial Cell, Stationary Bushing, 38 mm Dia. AIM:075-38	MCERC/CIVIL/GEOTECH/5/1
		Unconfined Concrete Tester, with proving ring 2kN & dial gauge 0.01X25 mm travel split mould 38mm X 76mm long & Rubber sheath of 38mm dia. Specimen. AIM:074	MCERC/CIVIL/GEOTECH/6/1
		Pycnometer with brass cone locking ring and rubber seal( IS2386 Part III, AIM046 )	MCERC/CIVIL/GEOTECH/7/1 To MCERC/CIVIL/GEOTECH 7/10
		Overhead Tank made of Steel for Permeability Test Apparatus AIM 13111	MCERC/CIVIL/GEOTECH/8/1
		Sieve Shaker Motorised with built in digital timer AIM:054-1, .25HP geared motor, gyrotory & tapping motion etc.	MCERC/CIVIL/GEOTECH/9/1
		Adaptor for 30 cm dia. Sieves AIM:05401	MCERC/CIVIL/GEOTECH/10/1
		Pair of Conical Seating: AIM 07402	MCERC/CIVIL/GEOTECH/11/1
		Plastic Limit Kit AIM 9831-1 comprising of glass plate, brass rod, spatula, moisture tin, & porcelaine dish	MCERC/CIVIL/GEOTECH/12/1
		Laboratory Vane Shear, motorised, Rate of Rotation 1/60 rpm, suitable for operation on 230V, 50Hz single phase A.C. supply with one container and set of 4 springs AIM108	MCERC/CIVIL/GEOTECH/13/1
		Liquid Limit Device with counter and one Casagrande Grooving Tool, Motorised	MCERC/CIVIL/GEOTECH/14/1 To MCERC/CIVIL/GEOTECH14/2

ASTM Grooving Tool(Type B of IS9259)	MCERC/CIVIL/GEOTECH/15/1 To MCERC/CIVIL/GEOTECH/152
Sieve Brass frame 20cm Dia. X 425micron	MCERC/CIVIL/GEOTECH/16/1
Pan and Cover for 20 cm Dia. Sieves	MCERC/CIVIL/GEOTECH/29/1
Moisture Content Tin, Size 65cm Dia.X20cm deepAIM 9301	MCERC/CIVIL/GEOTECH/30/1
Compaction Test ApparatusAlm110	MCERC/CIVIL/GEOTECH/31/1
Laboratory Permeability Apparatus	MCERC/CIVIL/GEOTECH/32/1
Core Cutter with Steel Dolly	MCERC/CIVIL/GEOTECH/33/1
Sand Poring Cylinder Apparatus	MCERC/CIVIL/GEOTECH/34/1
Standard Sand Grade I( Pack of 25 kg)	MCERC/CIVIL/GEOTECH/35/1
Standard Sand Gradell( Pack of 25 kg)	MCERC/CIVIL/GEOTECH/36/1
Standard Sand Gradelli( Pack of 25 kg)	MCERC/CIVIL/GEOTECH/37/1
Shrinkage Limit Device	MCERC/CIVIL/GEOTECH/38/1
Constant Pressure Systeme, Oil Watertype, Capacity 16kg/cm2	MCERC/CIVIL/GEOTECH/39/1
Laboratory California Bearing Ratio Test Apparatus, Motorised(3Speeds)	MCERC/CIVIL/GEOTECH/40/1
Direct Shear Apparatus,2kN with Dial Gauge 2 Nos. & comp. tension Proving Ring	MCERC/CIVIL/GEOTECH/41/1
Spatula	MCERC/CIVIL/GEOTECH/42/1
Oven	MCERC/CIVIL/GEOTECH/43/1
GI Tray	MCERC/CIVIL/GEOTECH/44/1
Stop Watch	MCERC/CIVIL/GEOTECH/45/1
Extractor Frame	MCERC/CIVIL/GEOTECH/46/1
Consolidation App 3,Gang with 3Nos Dial Gauge 5mm	MCERC/CIVIL/GEOTECH/47/1
Triaxial Cell 38 X 76mm	MCERC/CIVIL/GEOTECH/48/1
Load Frame 03 Speed	MCERC/CIVIL/GEOTECH/49/1
Dial Gauge 25 mm	MCERC/CIVIL/GEOTECH/50/1
Pore Water Pressure Appartaus	MCERC/CIVIL/GEOTECH/51/1
Lateral Pressure Assembly	MCERC/CIVIL/GEOTECH/52/1
Plate Bearing Test Appartaus	MCERC/CIVIL/GEOTECH/53/1
Soil Hydrometer	MCERC/CIVIL/GEOTECH/54/1 TOMCERC/CIVIL/GEOTECH/54/2
Proving Ring 2KN Cap	MCERC/CIVIL/GEOTECH/55/1
Mould CBR 150 mm Dia. With collar and base plate	MCERC/CIVIL/GEOTECH/56/1 TO MCERC/CIVIL/GEOTECH/56/8

		spacer disc (displacenblock )-for CBR	MCERC/CIVIL/GEOTECH/5/1 TO MCERC/CIVIL/GEOTECH/57/2
		weigh Surcharge 2.5Kg	MCERC/CIVIL/GEOTECH/58/1 TO MCERC/CIVIL/GEOTECH/58/2
		Annuler for CBR weight Surcharge 2.5 Kg slotted For CBR	MCERC/CIVIL/GEOTECH/59/1 TO MCERC/CIVIL/GEOTECH/59/2
		Rammer 4.89 Kg	MCERC/CIVIL/GEOTECH/60/1
		Mould 38mm dia. X76mm height for	MCERC/CIVIL/GEOTECH/61/1 To MCERC/CIVIL/GEOTECH/6/10
		Electronic weighing balance (100kg)	MCERC/CIVIL/GEOTECH/66/1
		Liquid Limit Device	MCERC/CIVIL/GEOTECH/67/1
<b>5</b>	<b>Fluid Mechanics</b>	Metacentric Height Apparatus with S.S. tank	MCERC/CIVIL/FM/1/1
		Electrical Analogy apparatus	MCERC/CIVIL/FM/2/1
		Bernaulis Therom Apparatus with S.S. tank	MCERC/CIVIL/FM/3/1
		Reynold's apparatus with S.S. tank	MCERC/CIVIL/FM/4/1
		Impact of Jet Apparatus with S.S. tank	MCERC/CIVIL/FM/5/1
		Losses due o friction in pipes with S.S. tank	MCERC/CIVIL/FM/6/1
		Losses due to pipe fittings sudden enlargement and contraction with S.S.tank	MCERC/CIVIL/FM/7/1
		Redwood Viscometer	MCERC/CIVIL/FM/8/1
		Notch apparatus	MCERC/CIVIL/FM/9/1
		Cut Section of Centrifugal pump	MCERC/CIVIL/FM/10/1
		Cut Section of Reciprocating pump	MCERC/CIVIL/FM/11/1
		Stop Watch	MCERC/CIVIL/FM/12/1
		Educational Chart	MCERC/CIVIL/FM/13/1
		Tilting Bed Flow Channel (length 2.5 m) width:150 mm and depth:250 mm	MCERC/CIVIL/FM/14/1
		Venturiflume (tilting bed flow channel accessory)	MCERC/CIVIL/FM/14/2
		Standing wave Flume(tilting bed flow channel accessory)	MCERC/CIVIL/FM/14/3
		Pigmy Current Meter with digital counters	MCERC/CIVIL/FM/15/1
		TUFLOW Software	MCERC/CIVIL/FM/16/1
<b>6</b>	<b>Environmental Engineering</b>	Water treatment and softner plant	MCERC/CIVIL/ENV/1/1
		0.5 Hp motor for water filtration plant	MCERC/CIVIL/ENV/2/1
		Digital Flocculator Four Stirrer	MCERC/CIVIL/ENV/3/1 to 3/2

		Turbidity Meter	MCERC/CIVIL/ENV/4/1 to 4/2
		pH Meter	MCERC/CIVIL/ENV/5/1 to 5/2
		Digital Conductivity Meter	MCERC/CIVIL/ENV/6/1 to 6/3
		Digital Spectrophotometer	MCERC/CIVIL/ENV/7/1 to 7/4
		Flame Photometer	MCERC/CIVIL/ENV/8/1
		Digital Balance	MCERC/CIVIL/ENV/9/1
		Autoclave Vertical 35 Lit	MCERC/CIVIL/ENV/10/1
		Sound Level Meter	MCERC/CIVIL/ENV/11/1
		Autoclave Basket	MCERC/CIVIL/ENV/12/1
		Digital Temp. Controller	MCERC/CIVIL/ENV/13/1
		Water Level Indicator	MCERC/CIVIL/ENV/14/1
		Pressure cut off Switch	MCERC/CIVIL/ENV/15/1
		Fulley automatic Systeme fore Autoclave	MCERC/CIVIL/ENV/16/1
		Magnetic Stirrer without hot Plate	MCERC/CIVIL/ENV/17/1
		Oven (Lab. Type)	MCERC/CIVIL/ENV/18/1
		S.S. Tray for Oven	MCERC/CIVIL/ENV/19/1
		Digital Temp. Controller (PID Type)	MCERC/CIVIL/ENV/20/1
		Air Circulation Fan	MCERC/CIVIL/ENV/21/1
		Muffle Furnace	MCERC/CIVIL/ENV/22/1
		COD Digestion apparatus	MCERC/CIVIL/ENV/23/1
		Electrical Balance cap 600 gm	MCERC/CIVIL/ENV/24/1
		Electrical Balance cap 600 gm	MCERC/CIVIL/ENV/25/1
		Electrical Balance cap 100kg	MCERC/CIVIL/ENV/26/1
		High volume sampler	MCERC/CIVIL/ENV/27/1
		BOD Incubator	MCERC/CIVIN/ENV/28/1
		Ph Meter	MCERC/CIVIN/ENV/29/01-02
<b>7</b>	<b>ENGINEERING MECHANICS</b>	Parallelogram Force Apparatuswith Iron Slotted Weights	MCERC/CIVIL/EM/1/1-2
		Polygon of Forces Apparatus with Iron Weights and Pan	MCERC/CIVIL/EM/2/1-2
		Apparatus For Reaction of Beams, Dial Type Balance 20 kg Iron	
		Conical Weights	MCERC/CIVIL/EM/3/1-2
		Combined Inclined Plane and Friction Apparatus with Angle Iron	
		Base and with weights	MCERC/CIVIL/EM/4/1-2
		Combined Inclined Plane and Friction Apparatus with Angle Iron	
		Base and with weights	MCERC/CIVIL/EM/4/3-2

8	Concrete Technology	Vicat apparatus with dashpot,with ISI certification mark IS:5513.The apparatus includes one each of AIM-39301 to AIM-39307	MCERC/CIVIL/CT 1/1 TO 1/1
		Slump test apparatus with tamping rod and base plate	MCERC/CIVIL/CT 2/1 TO 2/3
		AMIL VEE-BEE consistometer	MCERC/CIVIL/CT 3/1
		Compaction factor apparatus	MCERC/CIVIL/CT 4/1
		Mould Cast Iron for 150mm cube with ISI certification Mark,IS:10080 with Base plate	MCERC/CIVIL/CT 5/1 TO 5/12
		mould , Steel,for 70.6mm cube with ISI Certification Mark IS 10080 with base plate	MCERC/CIVIL/CT 6/1 TO 6/12
		Clyndrical Mould,Cast iron ,split lengthwise 150 mm dia X 300 mm high,with ISI Certification Mark,IS:20086	MCERC/CIVIL/CT 7/1 TO 7/3
		Beam mould 150 X150 X 700 mm Specimen	MCERC/CIVIL/CT 8/1 TO 8/3
		Amil Degital CTM 2000kn Capacity	MCERC/CIVIL/CT 9/1
		Density Basket	MCERC/CIVIL/CT 10/1 TO 10/3
		Crushing Value Apparatus	MCERC/CIVIL/CT 11/1
		Test Hammer	MCERC/CIVIL/CT 12/2
		Sieve Brass Frame 20cm Dia X 45 microns	MCERC/CIVIL/CT 13/19
		pan and cover for 20cm Dia sieves	MCERC/CIVIL/CT 13/20
		Aggregate Impact tester with Blow Counter	MCERC/CIVIL/CT 14/01
		Thk gauge with ISI Certification Mark,IS:2386 (Part-i)	MCERC/CIVIL/CT 15/01 TO 15/04
		Length Gauge With ISI Certification Mark, IS:2386 (Part-I)	MCERC/CIVIL/CT 16/01 TO 16/04
		Sieve Shaker, Motorised With Built in Digital Timer	MCERC/CIVIL/CT 17/01
		Air Permeability apparatus (Blain Type) With ISI Certification Mark IS:5516, Complete With Accessories As Per Catlog(AIM-39001 to AIM-39011)	MCERC/CIVIL/CT 18/01 TO 18/02
		Amil Flow Table	MCERC/CIVIL/CT 19/01
		Lab Concrete Mixer,Capacity 1 Cubic ft	MCERC/CIVIL/CT 20/01
Standard Sand Grade-I( Pack of 25 Kgs)	MCERC/CIVIL/CT 21/01		

	Standard Sand Grade-II( Pack of 25 Kgs)	MCERC/CIVIL/CT 21/02
	Standard Sand Grade-III( Pack of 25 Kgs)	MCERC/CIVIL/CT 21/03
	Gauging Trowel,200mm Long Blade weight 210+_ 10 gm	MCERC/CIVIL/CT 22/01 TO 22/05
	Tamping Rod ,Steel,16mm Dia X 600 mm Length With ISI certification Mark,IS:10086	MCERC/CIVIL/CT 23/01 TO 23/03
	Tamping Bar, Steel 25mm X 25 mm Squre ramming face,400 mm long,2kg in weight with ISI certification Mark,IS:10086	MCERC/CIVIL/CT 24/01
	Sieve Brass Frame 20 cm dia X 90 microns	MCERC/CIVIL/CT 25/01 TO 25/02
	Cylindrical Metal Measure (Set of 3) with ISI certification mark,IS:2386 (Part-III) and with Tamping Rod	MCERC/CIVIL/CT 26/01
	Bulk Density Measure,Set of two	MCERC/CIVIL/CT 27/01 TO 27/02
	Sieves GI frame 45cm dia. X 100mm	MCERC/CIVIL/CT 28/01
	Adapter for 30cm dia sieve	MCERC/CIVIL/CT 63/01
	LCD Projector with	MCERC/CIVIL/CT 65/01
	1)Projector	
	2)ceiling mounting Unit 3'	
	3) 80"x60" projection screen	
	Concrete Vibrating table top (75x75)cm	MCERC/CIVIL/CT 64/01
	Amil Tempo water Bath	MCERC/CIVIL/CT 66/01
	Tempo Thermostatic Laboratory oven	MCERC/CIVIL/CT 67/01
	Compactor with 5 hp engine	MCERC/CIVIL/CT 68/01
9	Computer Lab	mcerc/civil/cc/1/1-30
	Lenovo Think Centre A-58 Intel Dual Core 2.1 GHz,Intel E5400 Processor(64 bit 800MHz2*1 MB L2 Cache) Intel G41 Mother board on board 10/100/1000MBPS NIC, PCI express slot and sound 6 USB port 1 serial 1 parallel port, 1GB DDR 2nd 667 MHz RAM 250 GB HDD (7200RPM) Lenovo keyboard, lenovo optical scroll mouse 18.5" wide TFT screen	
	7.5kVA UPS,Su-Kam make with 110AH/12V,Helios make tubuler Battery	mcerc/civil/cc/2/1
	EPSON LX300+DMP Printer	mcerc/civil/cc/3/1

		Cannon LBP 2900 Lasser JET Printer	mcerc/civil/cc/4/1
		Cannon LIDE 110 Scanner	mcerc/civil/cc/5/1
		LCD Projector with mounting Accessory /Projector EPSON EB-511(CRPQK2700118)	mcerc/civil/cc/6/1
		LCD Projector with mounting Accessories and screen 80" ´ 60" :- i)Projector ii)Ceiling Mounting kit iii)80" ´ 60" native resolution screen(RPQK2700216)	mcerc/civil/cc/7/1
		EPSON Projector EBS03 TVYK 4201204	mcerc/civil/cc/8/1
		Geo 5 software along with dongle & CD	mcerc/civil/cc/9/1
		(i) Lenovo Desktop V530 Model: 10TW-S04Q00 Intel Core I3 9th Gen. 4GB DDR RAM, 1TB HDD, No ODD, No OS, Internal Speaker, 3 year Warranty (ii) Monitor Lenovo 19.5-E2054	mcerc/civil/cc/10/1-15
		Lenovo 19.5" Monitor (Sr. No.66A0KAC6W)	mcerc/civil/cc/11/1
		BENQ MS550 Projector 3600 ANSI LUMEN with HDMI & VGA Port S/N. PDD2P02461000	mcerc/civil/cc/12/1
		BENQ MS550 Projector 3600 ANSI LUMEN with HDMI & VGA Port (i)S/N. PDD2P02462000, (ii)S/N. PDD2P02425000	mcerc/civil/cc/13/1
			mcerc/civil/cc/13/2
		Lenovo Desktop: Intel i7 CPU, 8 GB DDR 4 RAM, 256 GB SATA SSD, LAN Port 1000 mbps, Grafice Card integrated 2 GB, 8 USB Port, RJ 45 Port, 19" LED Screen with HDMI & VGA Port, HP USB Keyboard & USB Mouse Windows License 10 and Office 10	MCERC/Civil/CC/14/1
			MCERC/Civil/CC/14/2-23
		24 port D-link Giga switch	MCERE/Civil/CC/15/01
			MCERE/Civil/CC/15/02
<b>10</b>	Basic Civil Engineering	Dumpy Level 9" in Plastic box with telescopic Stand	
		1 ----- " -----	MCERC/CIVIL/SURVEY/27/1-5

Alumnum Levelling Stave 4 m, 3 Folds	
1 ----- " -----	MCERC/CIVIL/SURVEY/28/1-5
M.S. Arrows	MCERC/CIVIL/SURVEY/29/1 To MCERC/CIVIL/SURVEY/29/20
Digital Planimeter Placom KP82 N	MCERC/CIVIL/SURVEY/30/1
Ultrasonic Digital Distance Meter	MCERC/CIVIL/SURVEY/31/1
Bosch Dus Plus Make	
Leser Level Bosch BL 4 VHR	MCERC/CIVIL/SURVEY/32/1
Measuring Metallic Tape, Freemans	
Abs Glass Fybre Type	
A) 30 meter	MCERC/CIVIL/SURVEY/33/1
B) 50 meter	MCERC/CIVIL/SURVEY/33/2
Magnetic North	MCERC/CIVIL/SURVEY/34
GPS-Go-GRAMIN	MCERC/CIVIL/SURVEY/35
Plane Table Set complete with all	MCERC/CIVIL/SURVEY/36/1 to 36/2
Ranging Rod 3 m. made of coduit	MCERC/CIVIL/SURVEY/37/1 TO 37/10

Sr. No.	Laboratory Name	Name of the Equipment's
1	Basic Electronics Lab	CRO
		Function Generator
2	Communication Lab	DSO
		Digital Communication Kit
		Analog Communication Kit
		Spectrum Analyzer
		Optical Fiber Communication Kits
		Telecommunication Kit
		Satellite Trainer Kit
		FOC Kits
		CDMA-DSSS Trainer (Generation & Detction of DSSS_BPSK) ST-2115(110966)
		Spectrum Analyzer Model No:-GSP-830
		VOIP Trianer S.N 109
		3G Mobile Trainer S.N.111
		Satellite Trainer Kit
3	Computer- I Lab	Microwind 3.5 (5 Users)
		Matlab Software
		Matrix Board-II
4	Computer – II Lab	Cadfeko(5 Users)
		ARM7 LPC2148 Development Board
		ARM9 S3C2440 Samsung Controller
		GSM Module
		Logic Analyzer
		Launch Pad Development kit
		Rasberry PI3 model IB Arduino UnoR3 Node MCU
5	Measurement Lab	PCB Lab
		Mechatronics Kit
6	Research Lab	Microstrip Antenna Trainer with Cyclone Altera Board
		Development Board For Operational Amplifier
		ARM 7 LPC2138 Development Board
		LGS ARM-2LPC2148 Development Board
7	PG Lab	ODYSSEY JTAG Debugger
		Operational Amplifier Kit
		titan -II ARM 7 Development Board
		Taurs: ARM-9 development Board for embedded Linux & WINCE



Sr. No.	Laboratory Name	Name of the Equipment's	Dead Stock Number
1	Workshop (Machine shop, Drilling shop , fitting Shop, carpentry Shop, Welding Shop and Grinding shop)	1. Lathe Machine	MCOERC/MECH/WS/01
		2. Drilling Machine	MCOERC/MECH/WS/88
		3. Milling Machine	MCOERC/MECH/WS/99
		4. Welding Machine	MCOERC/MECH/WS/163
		5. Grinding Machine	MCOERC/MECH/WS/140
		6. Carpentry Machine etc	MCOERC/MECH/WS/164
2	CAD/CAM and Computer Graphics Lab	1. CATIA Software	MCOERC/MECH/CG/198
		2. ANSYS Software	MCOERC/MECH/CG/44
		3. Master Cam Software	MCOERC/MECH/CG/45
		4. Autocad Software	MCOERC/MECH/CG/48
		5. MATLAB Software	MCOERC/MECH/CG/38
		6. Plotter	MCOERC/MECH/CG/34
		7. Computer System	MCOERC/MECH/CG/01
3	Metallurgy Lab	1. Jominy End Quench Test Apparatus	MCOERC/MECH/META/30
		2. Impact Testing Machine – Model Ait-300-En.	MCOERC/MECH/META/02
		3. Binocular Metallurgical Microscope	MCOERC/MECH/META/06
		4. Computerised Trinocular Microscope	MCOERC/MECH/META/05
		5. Rockwell Cum Brinell Hardness Tester	MCOERC/MECH/META/03
		6. Poldi Hardness Tester	MCOERC/MECH/META/04
		7. Red Dye Penetrant Test Kit	MCOERC/MECH/META/11
4	Fluid Mechanics Lab	1. Bernoullis Apparatus	MCOERC/MECH/CG/FM/32
		2. Reynaults Apparatus	MCOERC/MECH/FM/06
		3. Orifice meter Apparatus	MCOERC/MECH/FM/35
		4. Venturi meter Apparatus	MCOERC/MECH/FM/23
		5. Major and Minor Losses apparatus	MCOERC/MECH/FM/24
		6. V-Notch Apparatus	MCOERC/MECH/FM/38
5	Turbo Machines Lab	1. Pelton Turbine	MCOERC/MECH/FMC/25
		2. Francis Turbine	MCOERC/MECH/FMC/36
		3. Impact of Jet Apparatus	MCOERC/MECH/FMC/29
		4. Multistage (Two Stage) Reciprocating Air Compressor Test Rig.	MCOERC/MECH/FMC/37
		5. Centrifugal pump	MCOERC/MECH/FM/31
		6. Flow Through Nozzle Apparatus	MCOERC/MECH/FMC/30
6	Applied thermodynamics Lab	1. Two Stage Reciprocating Air Compressor Test Rig	MCOERC/MECH/AT/02
		2. 4 Stroke Diesel Engine Test Rig	MCOERC/MECH/ICE/11
		3. 4 Stroke Petrol Engine Test Rig	MCOERC/MECH/AT/03
		4. Exhaust Gas Analyzer	MCOERC/MECH/AT/01
7	Theory of Machine Lab	1. Epicyclic Gear Train Apparatus	MCOERC/MECH/TOM/22
		2. Gear Tooth Profile Apparatus	MCOERC/MECH/TOM/25
		3. Cam Analysis Machine	MCOERC/MECH/TOM/26
		4. Clutch Test Rig	MCOERC/MECH/TOM/20
8	Heat Transfer Lab	1. Metal Rod Apparatus	MCOERC/MECH/CG/HT/01
		2. Composite walls Apparatus	MCOERC/MECH/HT/03
		3. Emissivity measurement apparatus	MCOERC/MECH/HT/07
		4. Stefan Boltzman Apparatus	MCOERC/MECH/HT/08
		5. Critical Heat flux	MCOERC/MECH/HT/10
		6. Natural convection	MCOERC/MECH/HT/04
		7. Forced convection	MCOERC/MECH/HT/05
		8. Heat Pipe Apparatus	MCOERC/MECH/HT/09

<b>9</b>	Mechatronics Lab	1. PLC Based Linear Bottle Filling Plant	MCOERC/MECH/MQC/16
		2. Table Positioning System	MCOERC/MECH/MQC/09
		3. PLC programming Trainer Kit	MCOERC/MECH/MQC/15
		4. Interfacing of any sensor with data acquisition system	MCOERC/MECH/MQC/18
		5. Load Measurement by Using Load Cell	MCOERC/MECH/MQC/02
		6. Thermocouple Calibration Test Rig	MCOERC/MECH/MQC/01
		7. Displacement Measurement by Using L.V.D.T.	MCOERC/MECH/MQC/03
<b>10</b>	Hydraulics and Pneumatics Lab	1. Electro-Hydraulic Trainer	MCOERC/MECH/IFP/01
		2. Advanced Pneumatic Trainer	MCOERC/MECH/IFP/02
		3. Pressure Relief Valve Set Up	MCOERC/MECH/IFP/03
		4. Gear Pump Test Rig	MCOERC/MECH/FMC/28
<b>11</b>	Metrology & Quality Control Lab	1. Mechanical Comparator	MCOERC/MECH/MQC/09
		2. Profile Projector	MCOERC/MECH/MQC/11
		3. Floating Carriage Diameter / Thread Measuring Machine	MCOERC/MECH/MQC/12
		4. Tool Makers Microscope	MCOERC/MECH/MQC/10
		5. Gear Tooth Vernier Caliper	MCOERC/MECH/MQC/16
		6. Optical Flat for Testing Flatness	MCOERC/MECH/MQC/17
<b>12</b>	Refrigeration & Air Conditioning Lab	1. Air Conditioning Cycle Test Apparatus	MCOERC/MECH/RAC/09
		2. Ice Plant Test Apparatus	MCOERC/MECH/RAC/11
		3. Mechanical Heat Pump Apparatus	MCOERC/MECH/RAC/12
		4. Vapour Compression Test rig	MCOERC/MECH/RAC/10
		5. Vapour Absorption Test rig	MCOERC/MECH/RAC/16
		6. Domestic Refrigerator Test rig	MCOERC/MECH/RAC/17
<b>13</b>	Dynamics of Machinery Lab	1. Universal Vibration Test Rig	MCOERC/MECH/TOM/47
		2. Critical Speed of Shaft Apparatus	MCOERC/MECH/TOM/12
		3. Shock Absorber Test Rig	MCOERC/MECH/TOM/13
		4. Dynamic Balancing Machine	MCOERC/MECH/TOM/14
		5. Noise measurement apparatus mounted with table frame	MCOERC/MECH/TOM/48