

प्रेषक

प्रधानाचार्य
राजकीय पालीटेक्निक
किरठल बागपत ।

सेवा में

निदेशक
प्राविधिक शिक्षा उ० प्र०,
कानपुर ।

पत्रांक :- 13 /AICTE/2021 -22/डेफिशियेंसी निराकरण

दिनांक :- 12/04/2022

विषय :- संस्था में कमियों के निराकरण हेतु आवश्यक बजट का आकलन विषयक।

महोदय

कृपया आपके कार्यालय ई-मेल दिनांक 08-04-2022 उपरोक्त विषयक के अनुपालन में वांछित सूचना की हार्ड कॉपी व एक्सेल फाइल (सॉफ्ट कॉपी) पत्र के साथ संलग्न कर आपकी आवश्यक कार्यवाही हेतु सादर प्रेषित है।

भवदीय



प्रधानाचार्य
प्रधानाचार्य
राजकीय पॉलीटेक्निक
किरठल (बागपत)

पृ० सं० :- 13-14 /AICTE/2021-22/ डेफिशियेंसी निराकरण

दिनांक:- 12/04/2022

प्रतिलिपि :- संयुक्त निदेशक प्राविधिक शिक्षा पश्चिमी क्षेत्र दौराला - मेरठ को सादर सूचनार्थ प्रेषित।



प्रधानाचार्य
प्रधानाचार्य
राजकीय पॉलीटेक्निक
किरठल (बागपत)

प्रारूप-9

भारत सरकार द्वारा प्रदेश में स्थापित होने वाली राजकीय पॉलीटेक्निक संस्थाओं में से जिन-जिन संस्थाओं की धनराशि निदेशालय में प्राप्त हुई है, में अद्यतन बीटीई सूची/शॉप उपकरणों की सूची, जिन्हे क्रय किया जाना शेष है।

संस्था का पूरा नाम- राजकीय पालीटेक्निक किरठल, छपरौली-बागपत। पता (पिन कोड सहित)- राजकीय पॉलिटेक्निक सहारनपुर कैंपस, दिल्ली -सहारनपुर रोड ,
मो0 नं0-8218511276 जोन का नाम-पश्चिमी क्षेत्र, प्राविधिक शिक्षा, उत्तर प्रदेश, दौराला , मेरठ ।

क्र0सं0	ब्राँच का नाम	लैब का नाम	बी0टी0ई0 सूची के अनुसार उपकरण का नाम	बी0टी0ई0 के अद्यतन सूची के अनुसार आवश्यक उपकरणों की संख्या	सम्बन्धित उपकरण की		अनुमानित कीमत प्रति यूनिट रू0 (बी0टी0ई0 के अद्यतन सूची के अनुसार)
					संस्था में पूर्व से उपलब्ध/स्थापित	क्रय हेतु प्रस्ताव उपकरण की संख्या	
A	B	C	D	E	F	G=E-F	H
1	1, Mechanical Engineering 2. Electronics Engineering 3. Electrical Engineering	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Vernier calipers Working length 160 mm, Internal and external dia with	12	0	12	167
2		Lab Equipments APPLIED PHYSICS (Common to all Branches)	Screw Gauges Working length 15 mm, pitch 0.5 mm, least count .005	12	0	12	167
3		Lab Equipments APPLIED PHYSICS (Common to all Branches)	Spherometers Distance between legs 2.5 mm, pitch 0.5 mm, least count	12	0	12	167
4		Lab Equipments APPLIED PHYSICS (Common to all Branches)	Mirrors (convex, concave)	5 Each	0	5 Each	300
5		Lab Equipments APPLIED PHYSICS (Common to all Branches)	Pendulum Setup	2	0	2	2000
6		Lab Equipments APPLIED PHYSICS (Common to all Branches)	Gravesand's Apparatus	2	0	2	1500
7		Lab Equipments APPLIED PHYSICS (Common to all Branches)	Inclined Plane Setup	2	0	2	1000
8		Lab Equipments APPLIED PHYSICS (Common to all Branches)	Flywheel Setup	2	0	2	2000
9		Lab Equipments APPLIED PHYSICS (Common to all Branches)	Prism	5	0	5	300
10		Lab Equipments APPLIED PHYSICS (Common to all Branches)	Spectrometer	2	0	2	12500
11		Lab Equipments APPLIED PHYSICS (Common to all Branches)	DC Ammeters Moving coil weston-type ammeter with ebonite stand	10	0	10	350
12		Lab Equipments APPLIED PHYSICS (Common to all Branches)	DC Miliammeters	2	0	2	500

13	Lab Equipments APPLIED PHYSICS (Common to all Branches)	DC Microammeters	2	0	2	350
14	Lab Equipments APPLIED PHYSICS (Common to all Branches)	DC voltmeters	10	0	10	70
15	Lab Equipments APPLIED PHYSICS (Common to all Branches)	DC Millivoltmeters	10	0	10	200
16	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Sensitivity Galvanometer	2	0	2	400
17	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Student Galvanometers	10	0	10	400
18	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Demonstration type DC Ammeters Range: 0 to 1 Amp.	2	0	2	500
19	Lab Equipments APPLIED PHYSICS (Common to all Branches)	D type DC Voltmeter Range : 0 to 1 Volt	2	0	2	500
20	Lab Equipments APPLIED PHYSICS (Common to all Branches)	D type Galvanometers Sensitivity : 20 microamperes per scale division,	8	0	8	1000
21	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Resistance boxes (dial type) assorted	8	0	8	1000
22	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Rheostats	10	0	10	400
23	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Miscellaneous items (Spring, Pan, Glycerine, Optic fibre, Ferromagnetic material)	LS	0	LS	-
24	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Fortin's Barometer (Wall type)	2	0	2	10000
25	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Stoke's Apparatus	2	0	2	5000
26	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Gumther's Apparatus	2	0	2	8000
27	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Resonance Tube Apparatus with accessories and Tuning fork set	2	0	2	7000
28	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Sodium Lamp setup with Biprism	2	0	2	5000
29	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Ohmic resistance coil	10	0	10	5
30	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Slide wire bridge	2	0	2	4000
31	Lab Equipments APPLIED PHYSICS (Common to all Branches)	PN Junction diode Apparatus	2	0	2	5000
32	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Laser (as per requirement)	1	0	1	100000
33	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Numerical aperture setup	1	0	1	25000
34	Lab Equipments APPLIED PHYSICS (Common to all Branches)	Miscellaneous	LS	0	LS	-
35	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Digital Balance	1	0	1	80000
36	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Burette 50ml	30	0	30	100
37	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Pipette 25ml	60	0	60	67

38	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Beakers 100ml	60	0	60	67
39	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Burette stand	30	0	30	1000
40	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Glazed tile	30	0	30	33
41	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Conical flask 50ml (Titration flask)	60	0	60	67
42	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Standard (Measuring) flask (to prepare standard solution) 250ml/100ml	30	0	30	200
43	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Able's Flash Point apparatus	2	0	2	5000
44	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	(1/10)°C thermometer	6	0	6	1000
45	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Candles	20	0	20	5
46	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Crucible with lid	6	0	6	333
47	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Muffle furnace	1	0	1	18000
48	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Decicators	6	0	6	1333
49	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Pair of tongue (small and big)	24 (small)	0	24 (small)	-
50	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)		2 (big)	0	2 (big)	-
51	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Chemicals - EDTA-1 kg	LS	0	LS	-
52	Lab Equipments APPLIED CHEMISTRY (Common to all Branches)	Miscellaneous	LS	0	LS	-
53	ENGINEERING DRAWING (Mechanical Engg.)Lab Equipments	Drawing Boards (700 x 500mm)	60	0	60	417
54	ENGINEERING DRAWING (Mechanical Engg.)Lab Equipments	Draughtsman Tables	60	0	60	3000
55	ENGINEERING DRAWING (Mechanical Engg.)Lab Equipments	Draughtsman Stools	60	0	60	667
56	ENGINEERING DRAWING (Mechanical Engg.)Lab Equipments	Computer Aided Drawing (CAD) Software	30 user	0	30 user	16667
57	ENGINEERING DRAWING (Mechanical Engg.)Lab Equipments	Model of different wooder joints	1	0	1	1000
58	ENGINEERING DRAWING (Mechanical Engg.)Lab Equipments	Model of different screw threads	1	0	1	1000
59	ENGINEERING DRAWING (Mechanical Engg.)Lab Equipments	Model of various locking devices	1	0	1	1000
60	ENGINEERING DRAWING (Mechanical Engg.)Lab Equipments	Model of various joints	1	0	1	1000
61	ENGINEERING DRAWING (Mechanical Engg.)Lab Equipments	Cut section Model of various couplings	1	0	1	3000
62	ENGINEERING DRAWING (Mechanical Engg.)Lab Equipments	Miscellaneous	LS	0	LS	-

63	Mechanical Engineering	APPLIED MECHANICS LAB Equipments	Polygon law of forces apparatus	1	0	1	2000
64		APPLIED MECHANICS LAB Equipments	Jib crane	1	0	1	4000
65		APPLIED MECHANICS LAB Equipments	Apparatus for reaction at supports	1	0	1	5000
66		APPLIED MECHANICS LAB Equipments	Inclined plane and friction apparatus	1	0	1	2500
67		APPLIED MECHANICS LAB Equipments	Screw jack	1	0	1	1000
68		APPLIED MECHANICS LAB Equipments	Worm and worm wheel	1	0	1	3500
69		APPLIED MECHANICS LAB Equipments	Single Purchase Winch Crab	1	0	1	4000
70		APPLIED MECHANICS LAB Equipments	Miscellaneous	LS	0	LS	-
71		1. Mechanical Engineering 2. Electronics Engineering 3. Electrical Engineering	CARPENTRY SHOP Equipments (Common to all Branches)	Work benches fitted with carpenter vices	5	0	5
72	CARPENTRY SHOP Equipments (Common to all Branches)		Circular saw grinder	1	0	1	6000
73	CARPENTRY SHOP Equipments (Common to all Branches)		Wood cutting band saw-vertical	1	0	1	10000
74	CARPENTRY SHOP Equipments (Common to all Branches)		Bench grinder	1	0	1	5000
75	CARPENTRY SHOP Equipments (Common to all Branches)		Drilling machine	1	0	1	8000
76	CARPENTRY SHOP Equipments (Common to all Branches)		Wood turning lathe	1	0	1	40000
77	CARPENTRY SHOP Equipments (Common to all Branches)		Wood Planner	1	0	1	20000
78	CARPENTRY SHOP Equipments (Common to all Branches)		Tool accessories measuring and marking Instruments	25	0	25	1000
79	CARPENTRY SHOP Equipments (Common to all Branches)		Band saw blade brazing unit	1	0	1	10000
80	CARPENTRY SHOP Equipments (Common to all Branches)		Miscellaneous	LS	0	LS	-
81	PAINTING & POLISHING SHOP Equipments (Common to all Branches)		Spray gun with hose pipe	1	0	1	1000
82	PAINTING & POLISHING SHOP Equipments (Common to all Branches)		Paint brushes	20	0	20	100
83	PAINTING & POLISHING SHOP Equipments (Common to all Branches)		Paint/Varnish	LS	0	LS	-
84	PAINTING & POLISHING SHOP Equipments (Common to all Branches)		Air Compressor with 2 hp motor	1 set	0	1 set	10000
85	PAINTING & POLISHING SHOP Equipments (Common to all Branches)		Miscellaneous	LS	0	LS	-
86	SMITHY SHOP Lab Equipments (Common to all Branches)		Black smithy forge (with open hearths, accessories to match the forge)	20	0	20	2000
87	SMITHY SHOP Lab Equipments (Common to all Branches)		Wrought iron anvils	20	0	20	1000

88	SMITHY SHOP Lab Equipments (Common to all Branches)	Swage blocks	4	0	4	2000
89	SMITHY SHOP Lab Equipments (Common to all Branches)	Blower with accessories, motor switch etc	1	0	1	6000
90	SMITHY SHOP Lab Equipments (Common to all Branches)	Work benches with vices	2	0	2	3000
91	SMITHY SHOP Lab Equipments (Common to all Branches)	Power hammer	1	0	1	20000
92	SMITHY SHOP Lab Equipments (Common to all Branches)	Tools and accessories – hammers, swages, tongs, pokers, pullers etc	20	0	20	500
93	SMITHY SHOP Lab Equipments (Common to all Branches)	Miscellaneous	LS	0	LS	-
94	FITTING & PLUMBING SHOP Equipments (Common to all Branches)	Work benches with vices (4 vices on each bench)	5	0	5	6000
95	FITTING & PLUMBING SHOP Equipments (Common to all Branches)	Marking tables with scribers	4	0	4	6000
96	FITTING & PLUMBING SHOP Equipments (Common to all Branches)	Surface plates	5	0	5	4000
97	FITTING & PLUMBING SHOP Equipments (Common to all Branches)	Accessories like calipers, V blocks, height, gauges steelrules a	25	0	25	2000
98	FITTING & PLUMBING SHOP Equipments (Common to all Branches)	Tool kits – taps, dies, drills	25	0	25	1600
99	FITTING & PLUMBING SHOP Equipments (Common to all Branches)	Tool kits – chiesels, hammers, files, hacksaw	25	0	25	1000
100	FITTING & PLUMBING SHOP Equipments (Common to all Branches)	Drilling machine	2	0	2	6000
101	FITTING & PLUMBING SHOP Equipments (Common to all Branches)	Pipe vice	4	0	4	250
102	FITTING & PLUMBING SHOP Equipments (Common to all Branches)	Chain wrenches	5	0	5	250
103	FITTING & PLUMBING SHOP Equipments (Common to all Branches)	Ring spanner set	5	0	5	120
104	FITTING & PLUMBING SHOP Equipments (Common to all Branches)	Pipe die set 2”	2 set	0	2 set	500
105	FITTING & PLUMBING SHOP Equipments (Common to all Branches)	Pipe bending device	1	0	1	5000
106	FITTING & PLUMBING SHOP Equipments (Common to all Branches)	Various plumbing fittings	LS	0	LS	-
107	FITTING & PLUMBING SHOP Equipments (Common to all Branches)	Miscellaneous	LS	0	LS	-
108	Sheet Metal Shop Equipments (Common to all Branches)	Hammers	8	0	8	375
109	Sheet Metal Shop Equipments (Common to all Branches)	Mallets (Hard & Soft)	5	0	5	400
110	Sheet Metal Shop Equipments (Common to all Branches)	Sheet and wire Ganges	LS	0	LS	-
111	Sheet Metal Shop Equipments (Common to all Branches)	Shearing Machine	1	0	1	20000
112	Sheet Metal Shop Equipments (Common to all Branches)	Bar folding Machine	1	0	1	20000

113	Sheet Metal Shop Equipments (Common to all Branches)	Burring machine	1	0	1	10000
114	Sheet Metal Shop Equipments (Common to all Branches)	Various sheet (black plain, galvanized iron, corrugated, Alum	1 Each	0	1 Each	1000
115	Sheet Metal Shop Equipments (Common to all Branches)	Hand Shears/Snippers	4	0	4	500
116	Sheet Metal Shop Equipments (Common to all Branches)	Nuts, Bolts, Rivets, Screw	LS	0	LS	-
117	Sheet Metal Shop Equipments (Common to all Branches)	Miscellaneous	LS	0	LS	-
118	Welding Shop Equipments (Common to all Branches)	Electrical welding transformer set with accessories	3	0	3	10000
119	Welding Shop Equipments (Common to all Branches)	Gas Cutting Unit	1	0	1	3000
120	Welding Shop Equipments (Common to all Branches)	Work benches with vices	3	0	3	1667
121	Welding Shop Equipments (Common to all Branches)	Welding generator set	1	0	1	10000
122	Welding Shop Equipments (Common to all Branches)	Oxy acetylene welding set with accessories	1	0	1	7000
123	Welding Shop Equipments (Common to all Branches)	Acetylene generating set	1	0	1	6000
124	Welding Shop Equipments (Common to all Branches)	Electric welder tool kit	10	0	10	1000
125	Welding Shop Equipments (Common to all Branches)	Projection welding machine	1	0	1	15000
126	Welding Shop Equipments (Common to all Branches)	Brazing equipment with accessories	1	0	1	10000
127	Welding Shop Equipments (Common to all Branches)	Soldering irons	3	0	3	333
128	Welding Shop Equipments (Common to all Branches)	Pedestal grinder	1	0	1	10000
129	Welding Shop Equipments (Common to all Branches)	Metal spraying gun	1	0	1	10000
130	Welding Shop Equipments (Common to all Branches)	Spot welder	1	0	1	25000
131	Welding Shop Equipments (Common to all Branches)	TIG welding set	1	0	1	100000
132	Welding Shop Equipments (Common to all Branches)	MIG welding set	1	0	1	100000
133	Welding Shop Equipments (Common to all Branches)	Welding Partition Screen	5	0	5	500
134	Welding Shop Equipments (Common to all Branches)	Miscellaneous	LS	0	LS	-
135	Foundry Shop Equipments (Common to all Branches)	Moulding boxes	40	0	40	200
136	Foundry Shop Equipments (Common to all Branches)	Ladles	5	0	5	400
137	Foundry Shop Equipments (Common to all Branches)	Tool Kits	10 set	0	10 set	500

138		Foundry Shop Equipments (Common to all Branches)	Quenching tanks	2	0	2	2500
139		Foundry Shop Equipments (Common to all Branches)	Portable grinder	1	0	1	3000
140		Foundry Shop Equipments (Common to all Branches)	Pit furnace with blower	1	0	1	10000
141		Foundry Shop Equipments (Common to all Branches)	Miscellaneous	LS	0	LS	-
142		Machine Shop Equipments (Common to all Branches)	Centre lathes	10	0	10	60000
143		Machine Shop Equipments (Common to all Branches)	Grinder	1	0	1	10000
144		Machine Shop Equipments (Common to all Branches)	Universal milling machine	1	0	1	125000
145		Machine Shop Equipments (Common to all Branches)	Shaper	2	0	2	60000
146		Machine Shop Equipments (Common to all Branches)	Plainer	2	0	2	60000
147		Machine Shop Equipments (Common to all Branches)	Work bench	3	0	3	3333
148		Machine Shop Equipments (Common to all Branches)	Precision instruments	1	0	1	10000
149		Machine Shop Equipments (Common to all Branches)	Hand tools and accessories	2	0	2	4000
150		Machine Shop Equipments (Common to all Branches)	CNC trainer lathe	1	0	1	400000
151		Machine Shop Equipments (Common to all Branches)	Miscellaneous	LS	0	LS	-
152	Mechanical Engineering	Engineering Material Lab Equipments	Electric furnace muffle type	1	0	1	60000
153		Engineering Material Lab Equipments	Forced circulation tempering furnace	1	0	1	30000
154		Engineering Material Lab Equipments	Quenching tank	2	0	2	2500
155		Engineering Material Lab Equipments	Grinder	2	0	2	2000
156		Engineering Material Lab Equipments	Pyrometers	1	0	1	10000
157		Engineering Material Lab Equipments	Specimen Kit (Ferrous and Non-ferrous Metals (25 Nos)	1	0	1	5000
158		Engineering Material Lab Equipments	Metallurgical microscope	3	0	3	35000
159		Engineering Material Lab Equipments	Abrasive cut off machine	1	0	1	50000
160		Engineering Material Lab Equipments	Specimen Polishing Machine (Double Disk type)	1	0	1	50000
161		Engineering Material Lab Equipments	Thermocouples	2	0	2	2500
162		Engineering Material Lab Equipments	Set of Specimen of different alloys	1	0	1	5000
163		Engineering Material Lab Equipments	Brinell Hardness Tester	1	0	1	80000
164		MECHANICAL ENGINEERING DRAWING Lab equipments	Working Model of Oldham's Coupling	1	0	1	3000
165		MECHANICAL ENGINEERING DRAWING Lab equipments	Working Model of Universal Coupling	1	0	1	3000
166		MECHANICAL ENGINEERING DRAWING Lab equipments	Plummer Block	1	0	1	2000
167	MECHANICAL ENGINEERING DRAWING Lab equipments	Screw Jack	1	0	1	3000	

168	MECHANICAL ENGINEERING DRAWING Lab equipments	Connecting Rod	1	0	1	3000
169	MECHANICAL ENGINEERING DRAWING Lab equipments	Set of Ball and Roller bearing	01 set	0	01 set	1000
170	STRENGTH OF MATERIALS LABORATORY Equipments	Brinell and Rockwell hardness tester	1	0	1	60000
171	STRENGTH OF MATERIALS LABORATORY Equipments	Impact testing machine (Izod and charpy)	1	0	1	50000
172	STRENGTH OF MATERIALS LABORATORY Equipments	Microprocessor based universal testing machine	1	0	1	400000
173	STRENGTH OF MATERIALS LABORATORY Equipments	Torsion testing machine (fully computerized)	1	0	1	200000
174	STRENGTH OF MATERIALS LABORATORY Equipments	Spring Stiffness Tester	1	0	1	50000
175	STRENGTH OF MATERIALS LABORATORY Equipments	SFD & BMD apparatus	2	0	2	2500
176	Mechanical Workshop Equipments	Centre lathes	10	0	10	50000
177	Mechanical Workshop Equipments	Tool room lathe	1	0	1	100000
178	Mechanical Workshop Equipments	Lathe with copy turning attachment and other	1	0	1	150000
179	Mechanical Workshop Equipments	Universal milling machine	1	0	1	125000
180	Mechanical Workshop Equipments	Vertical milling machine	1	0	1	75000
181	Mechanical Workshop Equipments	Shapers	2	0	2	50000
182	Mechanical Workshop Equipments	Radial drilling machine	1	0	1	25000
183	Mechanical Workshop Equipments	Upright drilling machine	1	0	1	20000
184	Mechanical Workshop Equipments	Gear Shaper	1	0	1	75000
185	Mechanical Workshop Equipments	Centreless grinder	1	0	1	80000
186	Mechanical Workshop Equipments	Universal cylindrical grinder	1	0	1	75000
187	Mechanical Workshop Equipments	Hydraulic surface grinder	1	0	1	50000
188	Mechanical Workshop Equipments	Tool and Cutter grinder	1	0	1	50000
189	Mechanical Workshop Equipments	Power hacksaw	1	0	1	25000
190	Mechanical Workshop Equipments	Pedestal grinder	1	0	1	5000
191	Mechanical Workshop Equipments	Electro discharge machine	1	0	1	400000
192	Mechanical Workshop Equipments	Work bench	3	0	3	2000
193	Mechanical Workshop Equipments	Precision instruments	1	0	1	5000
194	Mechanical Workshop Equipments	Surface plates	2	0	2	7500
195	Mechanical Workshop Equipments	Hand tools and accessories	2	0	2	3000
196	Mechanical Workshop Equipments	CNC trainer lathe	1	0	1	300000
197	Mechanical Workshop Equipments	CNC trainer milling machine	1	0	1	400000
198	Mechanical Workshop Equipments	PC Computer	2	0	2	50000
199	Mechanical Workshop Equipments	Computer based NC Programming Software	1	0	1	150000

200	Mechanical Workshop Equipments	CNC Simulation software	1	0	1	100000
201	Mechanical Workshop Equipments	CNC Milling machine accessories and holding devices	LS	0	LS	-
202	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Piezometer tube	2	0	2	50
203	HYDRAULICS & PNEUMATIC LABORATORY Equipments	U tube differential manometer	2	0	2	1000
204	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Bourdon's Tube pressure gauge	1	0	1	1000
205	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Hydraulic jack	1	0	1	4000
206	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Hydraulic press Working Model	1	0	1	5000
207	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Bernoulli's apparatus	1	0	1	15000
208	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Venturimeter apparatus with differential manometer	1	0	1	10000
209	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Pipe friction apparatus	1	0	1	15000
210	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Reciprocating pump- single and Double Acting	1	0	1	50000
211	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Centrifugal pump	1	0	1	25000
212	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Working Model of Pelton Wheel Turbine	1	0	1	20000
213	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Working Model of Francis Turbine	1	0	1	20000
214	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Working Model of Kaplan Turbine	1	0	1	20000
215	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Hydraulic Circuit Trainer Kit	1	0	1	50000
216	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Pneumatic Circuit Trainer Kit	1	0	1	50000
217	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Working Model of Hydraulic Brake system	1	0	1	50000
218	HYDRAULICS & PNEUMATIC LABORATORY Equipments	Working Model of Hydraulic Ram	1	0	1	5000
219	THERMAL ENGINEERING LABORATORY Equipments	Throttling Calorimeter	2	0	2	5000
220	THERMAL ENGINEERING LABORATORY Equipments	Testing for Determination of Dryness fraction of steam	1	0	1	50000
221	THERMAL ENGINEERING LABORATORY Equipments	Cut section model of 4-stroke single cylinder Petrol and Diesel engine	1	0	1	30000
222	THERMAL ENGINEERING LABORATORY Equipments	Gravimetric Analysis	1	0	1	20000
223	THERMAL ENGINEERING LABORATORY Equipments	Model of Various Boiler Mounting and Accessories -Steam Stop Valve, Safety Valves, Blow off Cock,	1 each	0	1 each	10,000
224	THERMAL ENGINEERING LABORATORY Equipments	Exhaust Analyser for Petrol and Diesel engine	1 each	0	1 each	25000
225	THERMAL ENGINEERING LABORATORY Equipments	Single Stage Reciprocating Air Compressor	1	0	1	50000

226	THERMAL ENGINEERING LABORATORY Equipments	Rotary Compressor, Air Compressor	1	0	1	25000
227	THERMAL ENGINEERING LABORATORY Equipments	Flash Point Apparatus	1	0	1	10000
228	THERMAL ENGINEERING LABORATORY Equipments	Pyrometer, Infrared, Thermocouple	2	0	2	2500
229	THERMAL ENGINEERING LABORATORY Equipments	Lancashire boiler model, Nestler Boiler Model	1 each	0	1 each	10,000
230	THERMAL ENGINEERING LABORATORY Equipments	Model of impulse turbine	1	0	1	5000
231	THERMAL ENGINEERING LABORATORY Equipments	Model of reaction turbine	1	0	1	5000
232	THERMAL ENGINEERING LABORATORY Equipments	Model of surface condenser	1	0	1	5000
233	THERMAL ENGINEERING LABORATORY Equipments	Bab Cox & Wilcox Boiler Model	1	0	1	10000
234	THERMAL ENGINEERING LABORATORY Equipments	Heat Transfer apparatus for conduction , convection and Radiation	1 set	0	1 set	45,000
235	THERMAL ENGINEERING LABORATORY Equipments	Model of 2 stroke, 4 stroke engines	01 set	0	01 set	6000
236	THERMAL ENGINEERING LABORATORY Equipments	Steam Separating & Throttling calorimeter fully instrumented to determine, quality of steam of 10-15	01	0	01	30000
237	THERMAL ENGINEERING LABORATORY Equipments	Single cylinder 2 stroke petrol engine test rig	1	0	1	45000
238	THERMAL ENGINEERING LABORATORY Equipments	Single cylinder 4 stroke petrol engine test rig	1	0	1	50000
239	THERMAL ENGINEERING LABORATORY Equipments	Multicylinder petrol engine test rig (Morse test rig)	1	0	1	200000
240	Metrology Lab Equipments	Digital vernier calliper / Vernier calliper	4	0	4	2000
241	Metrology Lab Equipments	Digital micrometer / micrometer	4	0	4	2500
242	Metrology Lab Equipments	Height gauge	2	0	2	750
243	Metrology Lab Equipments	Depth gauge	2	0	2	500
244	Metrology Lab Equipments	Combination set	1	0	1	1000
245	Metrology Lab Equipments	Bevel protractor	1	0	1	1000
246	Metrology Lab Equipments	Sine bar	1	0	1	1000
247	Metrology Lab Equipments	Precision balls and rollers	1	0	1	500
248	Metrology Lab Equipments	Surface plate	2	0	2	7500
249	Metrology Lab Equipments	Slip gauges set	1	0	1	10000
250	Metrology Lab Equipments	Comparator – Mechanical , Pneumatic	2	0	2	20000
251	Metrology Lab Equipments	Gear tooth vernier	1	0	1	2000
252	Metrology Lab Equipments	Snap and ring gauges, Plug gauge, Thread gauge	2 each	0	2 each	750
253	Metrology Lab Equipments	Feeler gauge, radius gauge	1	0	1	1000
254	Metrology Lab Equipments	Angle plate	1	0	1	1000
255	Metrology Lab Equipments	Tool makers microscope	1	0	1	40000

256	Metrology Lab Equipments	Optical Profile projector	1	0	1	75000
257	Metrology Lab Equipments	Surface roughness tester	1	0	1	60000
258	Metrology Lab Equipments	Dial Bore Gauge with Accessories	1	0	1	10000
259	Metrology Lab Equipments	Autocollimator	1	0	1	50000
260	Metrology Lab Equipments	Thermocouple , Pyrometer apparatus	1	0	1	10000
261	REFRIGERATION AND AIR CONDITIONING LABORATORY	Refrigeration trainer to determine C.O.P.	1	0	1	6000
262	REFRIGERATION AND AIR CONDITIONING LABORATORY	Air conditioner trainer / Test rig window type and split type air conditioner	1	0	1	100000
263	REFRIGERATION AND AIR CONDITIONING LABORATORY	Water cooler	1	0	1	6000
264	REFRIGERATION AND AIR CONDITIONING LABORATORY	Refrigeration compressor	1	0	1	3000
265	REFRIGERATION AND AIR CONDITIONING LABORATORY	Safety controls (HP, LP Cut outs, oil pressure controls), solenoid valve, expansion valves, thermostats, charging	1 set	0	1 set	3,000
266	REFRIGERATION AND AIR CONDITIONING LABORATORY	Gas charging equipment kit	1	0	1	15000
267	REFRIGERATION AND AIR CONDITIONING LABORATORY	Vacuum pump	1	0	1	3000
268	REFRIGERATION AND AIR CONDITIONING LABORATORY	Cut-Section model of thematically sealed compressor	1	0	1	6000
269	REFRIGERATION AND AIR CONDITIONING LABORATORY	Hand tools for cutting , flaring, swaging and brazing of tubes	1 set	0	1 set	5,000
270	AUTOMOBILE ENGINEERING LAB Equipments	Battery Charger 0-12 V, 0-6 Amp.	1	0	1	2000
271	AUTOMOBILE ENGINEERING LAB Equipments	Batteries 6 V & 12 V	1 each	0	1 each	4,000
272	AUTOMOBILE ENGINEERING LAB Equipments	Hydrometer	1	0	1	1000
273	AUTOMOBILE ENGINEERING LAB Equipments	Cell Tester	1	0	1	1000
274	AUTOMOBILE ENGINEERING LAB Equipments	Working Model of Battery Ignition System, Magneto Ignition System Fitted on board	1	0	1	2000
275	AUTOMOBILE ENGINEERING LAB Equipments	Fuel Injection Pump	1	0	1	15000
276	AUTOMOBILE ENGINEERING LAB Equipments	Calibration Machine with Fuel Injection Pump & Coupling	1	0	1	25000
277	AUTOMOBILE ENGINEERING LAB Equipments	Electrical Testing Bench	1	0	1	2000
278	AUTOMOBILE ENGINEERING LAB Equipments	Condemned petrol engine of light petrol vehicle	1	0	1	5000
279	AUTOMOBILE ENGINEERING LAB Equipments	Condemned Diesel engine of medium and heavy vehicles	1	0	1	5000
280	AUTOMOBILE ENGINEERING LAB Equipments	Tyre inflator with twin hose assembly and small hose assembly	1	0	1	2500
281	AUTOMOBILE ENGINEERING LAB Equipments	Spark plug cleaning machine and Testing machine	1	0	1	5000
282	AUTOMOBILE ENGINEERING LAB Equipments	Condemned chassis frame of any light motor vehicle	1	0	1	5000

283		AUTOMOBILE ENGINEERING LAB Equipments	Sectioned working model of a single cylinder two stroke petrol engine	1	0	1	1000
284		AUTOMOBILE ENGINEERING LAB Equipments	Sectioned working model of single cylinder two stroke diesel engine	1	0	1	1000
285		AUTOMOBILE ENGINEERING LAB Equipments	Sectioned working model of a single cylinder four stroke diesel engine	1	0	1	1000
286		AUTOMOBILE ENGINEERING LAB Equipments	Sectioned working model of a single cylinder four stroke petrol engine fitted with ignition system	1 1	0	1 1	4,000 6,000
287		AUTOMOBILE ENGINEERING LAB Equipments	Work bench	2	0	2	1250
288		AUTOMOBILE ENGINEERING LAB Equipments	Mechanical Jack	2	0	2	1500
289		AUTOMOBILE ENGINEERING LAB Equipments	Tool Kit (Spanner, socket set, screw driver, plier, file, wrench, drill, tap set, hammer etc.)	4 set	0	4 set	500
290		AUTOMOBILE ENGINEERING LAB Equipments	Study and sketch of models of rear axle and differential	1	0	1	10000
291	1. Mechanical Engineering 2. Electronics Engineering 3. Electrical Engineering	ENVIRONMENT ENGINEERING LAB Equipments	pH Meter	01	0	01	500
292		ENVIRONMENT ENGINEERING LAB Equipments	Turbidity Meter	01	0	01	5000
293		ENVIRONMENT ENGINEERING LAB Equipments	Oven with Temperature Controller and Forced Air Circulation Type	01	0	01	20000
294		ENVIRONMENT ENGINEERING LAB Equipments	B.O.D. Incubator	01	0	01	25000
295		ENVIRONMENT ENGINEERING LAB Equipments	Water Analysis Kit	01	0	01	5000
296		ENVIRONMENT ENGINEERING LAB Equipments	High Volume Sampler	01	0	01	40000
297		ENVIRONMENT ENGINEERING LAB Equipments	Electrical Balance for weighing upto 1/10 of milligram (capacity)	01	0	01	1000
298		ENERGY CONSERVATION LAB Equipments	Clamp meter	02	0	02	2500
299		ENERGY CONSERVATION LAB Equipments	Multimeter	02	0	02	1000
300		ENERGY CONSERVATION LAB Equipments	Power Analyser	01	0	01	20000
301		ENERGY CONSERVATION LAB Equipments	Different types of lamps (LS) - 60 W lamp, 230 V , 100 V	10	0	10	50
302		ENERGY CONSERVATION LAB Equipments	Lux meter	02	0	02	2500
303		ENERGY CONSERVATION LAB Equipments	Centrifugal pump, 1 kW	1	0	1	15000
304		ENERGY CONSERVATION LAB Equipments	Standard window A.C.	01	0	01	20000
305	ENERGY CONSERVATION LAB Equipments	Anemometer	02	0	02	2500	
306	ENERGY CONSERVATION LAB Equipments	Thermometer	03	0	03	667	
307	ENERGY CONSERVATION LAB Equipments	Flow meter	02	0	02	5000	

308		ENERGY CONSERVATION LAB Equipments	Pumping set with at least two pumps of different capacity.	1 set	0	1 set	10,000
309		ENERGY CONSERVATION LAB Equipments	Pressure gauge fitted on discharge lines	1 set	0	1 set	2,000
310		ENERGY CONSERVATION LAB Equipments	Variable Frequency Drive	02	0	02	25000
311		ENERGY CONSERVATION LAB Equipments	A small compressor with a small network of pipe line fitted with suitable pipeline, pressure gauge, safety valve and	1	0	1	3000
312		ENERGY CONSERVATION LAB Equipments	Stop watch	2	0	2	500
313		ENERGY CONSERVATION LAB Equipments	Small blower (1.5 kW motor) with inlet and outlet ductsof approximately one meter length on both sides	1	0	1	10000
314		ENERGY CONSERVATION LAB Equipments	Black Box (for checking lamp efficacy including stand and luxmeter)	1	0	1	25000
315	1. Mechanical Engineering	Electrical Engineering Lab Equipments	Voltmeter	5	0	5	1500
316		Electrical Engineering Lab Equipments	Ammeter	5	0	5	2000
317	2. Electronics Engineering	Electrical Engineering Lab Equipments	CRO	1	0	1	15000
318		Electrical Engineering Lab Equipments	Wattmeter	5	0	5	2000
319	3. Electrical Engineering	Electrical Engineering Lab Equipments	Multimeter	1	0	1	4000
320		Electrical Engineering Lab Equipments	Resistive load	1	0	1	4000
321		Electrical Engineering Lab Equipments	Regulated supply	1	0	1	8000
322		Electrical Engineering Lab Equipments	Signal generator	1	0	1	5000
323		Electrical Engineering Lab Equipments	Rheostat	2	0	2	1250
324		Electrical Engineering Lab Equipments	Lead acid battery	1	0	1	4000
325		Electrical Engineering Lab Equipments	Cables, Coils, Lamp (as per requirements)	LS	0	LS	-
326		Electrical Engineering Lab Equipments	Resistance, Inductor, Capacitor (as per requirements)	LS	0	LS	-
327		Electrical Engineering Lab Equipments	Miscellaneous	LS	0	LS	-
328			BASICS OF IT LABORATORY/COMPUTER	Computer System with latest configuration	30	0	30
329		BASICS OF IT LABORATORY/COMPUTER	Printer (MFP)	1	0	1	25000
330		BASICS OF IT LABORATORY/COMPUTER	Printer (Laser)	1	0	1	35000
331		BASICS OF IT LABORATORY/COMPUTER	Plotter	1	0	1	75000
332		BASICS OF IT LABORATORY/COMPUTER	Digitiser	1	0	1	50000
333		BASICS OF IT LABORATORY/COMPUTER	Antivirus Software	LS	0	LS	-
334		BASICS OF IT LABORATORY/COMPUTER	Internet Facility on Computers	LS	0	LS	-
335		BASICS OF IT LABORATORY/COMPUTER	LCD Projector	1	0	1	35000
336		BASICS OF IT LABORATORY/COMPUTER	UPS	60	0	60	2000
337		BASICS OF IT LABORATORY/COMPUTER	Software (latest windows, latest MS Office)	1	0	1	100000

338	BASICS OF IT LABORATORY/COMPUTER	Scanner	1	0	1	10000
339	BASICS OF IT LABORATORY/COMPUTER	Auto CAD	L.S.	0	L.S.	-
340	BASICS OF IT LABORATORY/COMPUTER	Auto Civil	L.S.	0	L.S.	-
341	BASICS OF IT LABORATORY/COMPUTER	STAAD Pro	L.S.	0	L.S.	-
342	BASICS OF IT LABORATORY/COMPUTER	Primavera/MS Project	L.S.	0	L.S.	-
343	BASICS OF IT LABORATORY/COMPUTER	Revit	L.S.	0	L.S.	-
344	BASICS OF IT LABORATORY/COMPUTER	BIM	L.S.	0	L.S.	-
345	BASICS OF IT LABORATORY/COMPUTER	Miscellaneous	LS	0	LS	-
346	Electric Shop Equipments	Tool kit (Plier, Srew driver, Knife, Steel rule, hammer, sciber, pincer steel tape etc.)	20	0	20	1000
347	Electric Shop Equipments	Fuses, Switches, Plugs, Sockets, Ceiling rose, Wires, cleats, Clamps, Test lamp, Tester.(as per requirement)	-	0	-	-
348	Electric Shop Equipments	Electric Iron	1	0	1	1500
349	Electric Shop Equipments	Electric kettle	1	0	1	1500
350	Electric Shop Equipments	Ceiling fan/table fan	1	0	1	2500
351	Electric Shop Equipments	Desert cooler	1	0	1	5000
352	Electric Shop Equipments	Lead acid battery	2	0	2	4000
353	Electric Shop Equipments	Battery Charger	1	0	1	6000
354	Electric Shop Equipments	Miscellaneous	-	0	-	-
355	Mason Shop Equipments	Mason Trowel	10	0	10	100
356	Mason Shop Equipments	Concrete Finishing Trowel	10	0	10	100
357	Mason Shop Equipments	Gauging Trowel	10	0	10	100
358	Mason Shop Equipments	Margin Trowel	10	0	10	100
359	Mason Shop Equipments	Pointing Trowel	10	0	10	100
360	Mason Shop Equipments	Round Trowel	10	0	10	100
361	Mason Shop Equipments	Mason/Brick Hammer	10	0	10	300
362	Mason Shop Equipments	Comb hammer	10	0	10	300

363	Electrical Engineering	Mason Shop Equipments	Blocking chisel	10	0	10	100
364		Mason Shop Equipments	Plumb bob	10	0	10	50
365		Mason Shop Equipments	Spirit level	10	0	10	100
366		Mason Shop Equipments	Straight Edge	10	0	10	100
367		Mason Shop Equipments	Jointer	10	0	10	100
368		Mason Shop Equipments	Masonry Pan	10	0	10	150
369		Mason Shop Equipments	Steel Measuring Tape	10	0	10	50
370		Mason Shop Equipments	Miscellaneous (Bricks, Blocks, Stones, Sand, Cement)	10	0	10	300
371		Measurement and Instrumentation Lab Equipments	Measuring Instruments: Portable moving coil permanent magnet 150 mm uniform scale with anti parallax mirror, knife edge				
372		Measurement and Instrumentation Lab Equipments	pointer, housed in teak wood/ebonite case, accuracy				
373	Measurement and Instrumentation Lab Equipments		1.5%				
374	Measurement and Instrumentation Lab Equipments						
375	Measurement and Instrumentation Lab Equipments	a) Ammeter 0-5-10 Amp	8	0	8	1250	
376	Measurement and Instrumentation Lab Equipments	b) Ammeter 50 mA , 100 mA, 1000 mA	6	0	6	1200	
377	Measurement and Instrumentation Lab Equipments	c) Ammeter 0-10 Amp – 20 A	6	0	6	1200	
378	Measurement and Instrumentation Lab Equipments	d) Ammeter 0 -2.5- 5 Amp	8	0	8	1250	
379	Measurement and Instrumentation Lab Equipments	e) Voltmeter 0-30 V	8	0	8	1250	
380	Measurement and Instrumentation Lab Equipments	f) Voltmeter 0-10-15 V, 0-200 – 300 V, 0-200-500 V	6	0	6	1200	
381	Measurement and Instrumentation Lab Equipments	Stabilized DC Power Supply With maximum regulation of 0.01 to 0.05%Ripple in output less than 1 mv (rms), stability	8	0	8	4000	
382	Measurement and Instrumentation Lab Equipments	Lead Acid Batteries 12 V, 11 plates, 30 amp hour capacity	2	0	2	3000	
383	Measurement and Instrumentation Lab Equipments	Battery Charger: SCR based automatic 12 V, AC input voltage 230 V, output dc voltage 0-12 V, 0-2 amp.	1	0	1	3000	
384	Measurement and Instrumentation Lab Equipments	Capacitors: enclosed in a polished hard wood/bakelite box, with four brass terminals	6	0	6	300	
385	Measurement and Instrumentation Lab Equipments	Hydrometer for measuring specific gravity of lead acid battery range 1100 - 1300	6	0	6	167	
386	Measurement and Instrumentation Lab Equipments	Cell discharge tester: used for testing voltages of cells and batteries centre zero, housed in bakelite case with wooden	1	0	1	600	
387	Measurement and Instrumentation Lab Equipments	Digital Multimeter: Three and half digits LCD display,manually operated multimeter with AC/DC, 1A	1	0	1	750	

388	Measurement and Instrumentation Lab Equipments	Earth tester: 500 volt, 0.10-100 ohms with 3/4 terminals, complete with all accessories (hammers, screw driver, 3	2	0	2	5000
389	Measurement and Instrumentation Lab Equipments	Moving Iron Voltmeter/Ammeter: Portable moving iron measuring instrument, housed in teak wood/ebonite case, scale 150 mm knife edge pointer, with anti				
390	Measurement and Instrumentation Lab Equipments					
391	Measurement and Instrumentation Lab Equipments	mirror, critically damped, accuracy 1% FSD				
392	Measurement and Instrumentation Lab Equipments	a) 0-500 mA-1000 mA	2	0	2	1000
393	Measurement and Instrumentation Lab Equipments	b) 0-5-10 amp	8	0	8	1000
394	Measurement and Instrumentation Lab Equipments	c) 0-2 amp	1	0	1	1000
395	Measurement and Instrumentation Lab Equipments	d) 0-125-250 volts	5	0	5	1000
396	Measurement and Instrumentation Lab Equipments	e) 0-250-500 volts	4	0	4	1000
397	Measurement and Instrumentation Lab Equipments	Wattmeter: Portable dynamometer type, housed in teak wood/ebonite case, scale 150 mm knife edge pointer	3	0	3	2500
398	Measurement and Instrumentation Lab Equipments	Rheostats: Sliding Rheostats wound with evenly oxidised iron free nickel copper on vitreous enamelled	3	0	3	1500
399	Measurement and Instrumentation Lab Equipments	c) Double Tube 500 ohms – 20 A, 30 A d) Double Tube 440 ohms – 3 A	3	0	3	2000
400	Measurement and Instrumentation Lab Equipments	Dimmerstat: Single phase 0-230 V, output 0-270 V, 10A	2	0	2	2500
401	Measurement and Instrumentation Lab Equipments	Inductance: Coil mounted provision for change in value, well polished teak board with terminals fitted with 2.5	3	0	3	2500
402	Measurement and Instrumentation Lab Equipments	Variable Inductor: Single phase, 250 V, mounted on well polished teak wood frame with terminals, 2.5 kW,	1	0	1	2000
403	Measurement and Instrumentation Lab Equipments	Energy meters: a) single phase, induction type, 50 Hz, 5A/10A, 250 V,	3	0	3	500
404	Measurement and Instrumentation Lab Equipments	Phase Regulator: 10A, 250V, 2.5 KVA variable power factor and lagging to leading arrangement indicator	1	0	1	5000
405	Measurement and Instrumentation Lab Equipments	Power Factor Meter: Dynamometer type, eddy current type damping, frequency 50Hz, scale length 150mm,	1	0	1	2500
406	Measurement and Instrumentation Lab Equipments	Load: 3 phase variable resistive load, 415 V, 10 KW, trolley mounted tube type provided with switches to vary	2	0	2	5000
407	Measurement and Instrumentation Lab Equipments	LCR/Q Bridge: Capable of measuring resistance inductive and capacitance of range, 8 amps.0.012 to 10	1	0	1	4000
408	Measurement and Instrumentation Lab Equipments	Frequency meter: a) Digital, 4 digit LED display frequency meter suitable for	1	0	1	1500
409	Measurement and Instrumentation Lab Equipments	c) Moving Coil type, portable housed in phenolic moulded body with antiparallax mirror. Scale and knife	1	0	1	1,000
410	Measurement and Instrumentation Lab Equipments	Phase sequence indicator: Portable, housed in a plastic moulded casing, rotating disc type, supported with one	1	0	1	500
411	Measurement and Instrumentation Lab Equipments	Thevenin Theorem Module: complete with accessories and the measuring instrument, operated by 6 volt dc	1	0	1	2500
412	Measurement and Instrumentation Lab Equipments	Norton theorem Module: Complete with accessories and measuring instruments operated by 6 volt dc supply	1	0	1	2500

413	Measurement and Instrumentation Lab Equipments	Maximum Power transfer theorem module complete with accessories and measuring instruments operated by 6	1	0	1	2500
414	Measurement and Instrumentation Lab Equipments	Transformer: Single phase, core type, natural air cooled, 230/110 V, 1 KVA, 50Hz	1	0	1	2000
415	Installation, Maintenance and Repair Laboratory Equipments	Static Converter: 3-Phase, 415 V, 50 Hz, output 230 V dc 15 KW, regulation + 1%, servo controlled,	1	0	1	30000
416	Installation, Maintenance and Repair Laboratory Equipments	DC Shunt Motor - DC shunt motor 230 V, 3 hp/3 kW, 1440 rpm complete with appropriate panel board with	1	0	1	30000
417	Installation, Maintenance and Repair Laboratory Equipments	DC Series motor: DC series motor with interpole/compensating winding, 230 V, kw, 1440 rpm	1	0	1	8000
418	Installation, Maintenance and Repair Laboratory Equipments	DC Motor-alternator set: DC shunt motor 230 V, 3 kw, 1440 rpm coupled with 3 phase 440 V, 50 Hz alternator having	2	0	2	12500
419	Installation, Maintenance and Repair Laboratory Equipments	Squirrel Cage Induction Motor: 3-phase squirrel cage induction motor 3 Kw, 415 V, 50 Hz, 1440 rpm all six terminals brought out, complete with appropriate panelboard, starter etc.	1	0	1	6000
420	Installation, Maintenance and Repair Laboratory Equipments	Slip ring Induction motor: Three-phase, wound rotor induction motor, 3Kw, 415 V, 50 Hz, 1440 rpm with	1	0	1	20000
421	Installation, Maintenance and Repair Laboratory Equipments	Single phase Induction Motor(various types): Capacitor start with centrifugal switch 0.5 KW with	1	0	1	3000
422	Installation, Maintenance and Repair Laboratory Equipments	Servo motor: 230V, 50 Hz, Servo motor	1	0	1	10000
423	Installation, Maintenance and Repair Laboratory Equipments	1-phase transformer: Single phase transformer, 230/115 V, 50 Hz, 3 KVA housed in a metal tank	4	0	4	3000
424	Installation, Maintenance and Repair Laboratory Equipments	3-Phase transformer: Three phase transformer, 415/230V,50 Hz, 5 KVA all terminals brought out,	2	0	2	7500
425	Installation, Maintenance and Repair Laboratory Equipments	Variacs: a) Single phase, 230 V, 50 Hz, 8-A auto transformer	3	0	3	2000
426	Installation, Maintenance and Repair Laboratory Equipments	Loading Rheostats: a) Resistance type, single phase, 230V, 15A, each	3	0	3	4000
427	Installation, Maintenance and Repair Laboratory Equipments	AC motor Starters a) DOL starter, suitable for 415V, 3 Phase, 50 Hz,	1	0	1	2000
428	Installation, Maintenance and Repair Laboratory Equipments	DC Motor starters: DC shunt motor starter, three point suitable for 230V, 3 kw	1	0	1	3000
429	Installation, Maintenance and Repair Laboratory Equipments	Rheostats: Wire wound Rheostats (Approx. of following rating)				
430	Installation, Maintenance and Repair Laboratory Equipments	Tachometer: Digital non-contact type tachometers 0-10,000 rpm, 3 1/2 digit	4	0	4	2000
431	Installation, Maintenance and Repair Laboratory Equipments	2.17 DC Ammeters: Portable moving coil permanent magnet 150 mm uniform scale with anti parallax mirror,				
432	Installation, Maintenance and Repair Laboratory Equipments	DC Ammeters: Portable moving coil permanent magnet 150 mm uniform scale with anti parallax mirror, knife edge,	-			
433	Installation, Maintenance and Repair Laboratory Equipments	a) 0-15	4	0	4	750
434	Installation, Maintenance and Repair Laboratory Equipments	b) 0-50	2	0	2	750
435	Installation, Maintenance and Repair Laboratory Equipments	c) 0-150	3	0	3	750
436	Installation, Maintenance and Repair Laboratory Equipments	d) 0-300	10	0	10	700

437	Installation, Maintenance and Repair Laboratory Equipments	e) 0-600	1	0	1	700
438	Installation, Maintenance and Repair Laboratory Equipments	AC Ammeters Portable moving iron, 150 mm uniform scale with anti parallax mirror, knife edge pointer, housed in a teak wood/ebonite case, accuracy $\pm 1.5\%$				
439	Installation, Maintenance and Repair Laboratory Equipments					
440	Installation, Maintenance and Repair Laboratory Equipments	a) 0-1A	3	0	3	1000
441	Installation, Maintenance and Repair Laboratory Equipments	b) 0-3A	3	0	3	1000
442	Installation, Maintenance and Repair Laboratory Equipments	c) 0-10A	7	0	7	1143
443	Installation, Maintenance and Repair Laboratory Equipments	d) 0-20A	7	0	7	714
444	Installation, Maintenance and Repair Laboratory Equipments	AC Voltmeters Portable moving iron 150 mm uniform scale with anti parallax mirror, knife edge pointer, housed in a teak wood/ebonite case, accuracy $\pm 1.5\%$				
445	Installation, Maintenance and Repair Laboratory Equipments					
446	Installation, Maintenance and Repair Laboratory Equipments	a) 0-1V	3	0	3	667
447	Installation, Maintenance and Repair Laboratory Equipments	b) 0-15V	3	0	3	667
448	Installation, Maintenance and Repair Laboratory Equipments	c) 0-30/60 V	4	0	4	750
449	Installation, Maintenance and Repair Laboratory Equipments	d) 0-150/300 V	10	0	10	700
450	Installation, Maintenance and Repair Laboratory Equipments	Multimeter: a) Digital/type: 3 1/2 digit LCD display manually	2	0	2	1250
451	Installation, Maintenance and Repair Laboratory Equipments	b) Indicating type DC voltage: Sensitivity 10 k ohm/v range -300 kV, 1, 3, 10, 30, 100, 300, 1000V;	2	0	2	1000
452	Installation, Maintenance and Repair Laboratory Equipments	Wattmeters: Portable dynamometer type: Portable dynamometer measuring instrument housed in a teak				
453	Installation, Maintenance and Repair Laboratory Equipments	a) 75/300/600 V and 1.5/3A (LPF)	2	0	2	2000
454	Installation, Maintenance and Repair Laboratory Equipments	b) 75/300/600 V and 1.5/20A (UPF)	2	0	2	2000
455	Installation, Maintenance and Repair Laboratory Equipments	c) 75/150/300 V and 15/30A	4	0	4	2000
456	Installation, Maintenance and Repair Laboratory Equipments	d) 110/220/440 V and 15/30A	4	0	4	2000
457	Installation, Maintenance and Repair Laboratory Equipments	Portable Power factor meters: Dynamometer type, eddy current type, damping, frequency cycle 50 Hz, scale		0		2500
458	Installation, Maintenance and Repair Laboratory Equipments	Frequency Meter:				
459	Installation, Maintenance and Repair Laboratory Equipments	a) Pointer type Portable type housed in phenolic moulded body with anti parallax mirror scale	1	0	1	1500
460	Installation, Maintenance and Repair Laboratory Equipments	Synchroscope: Suitable for 110V AC, 1-phase, 50 Hz alongwith potential transformer, 230V and 415V on	1	0	1	2500
461	Installation, Maintenance and Repair Laboratory Equipments	Tong Testing Ammeter: 0-15 A/50A/100A Clip-on type	1	0	1	3000

462	Installation, Maintenance and Repair Laboratory Equipments	Current Transformer: 100-50-25-10/5A	2	0	2	500
463	Installation, Maintenance and Repair Laboratory Equipments	Coil Winding Machine: Bench mounted, power driven with clutch and brake built into winding head,	1	0	1	10000
464	Installation, Maintenance and Repair Laboratory Equipments	Bench Drilling Machine: Drilling capacity 13 mm, slotted and adjustable drilling, Table size 250 x 250 mm app. Belt	1	0	1	5000
465	Installation, Maintenance and Repair Laboratory Equipments	Portable Drilling Machine: Hand electric drill machine with speed control having specification Drilling 10 mm, no	3	0	3	1000
466	Installation, Maintenance and Repair Laboratory Equipments	Multi meter: Laboratory service type with large and easy to read mirror scale with over head protection high accuracy,	2	0	2	1500
467	Installation, Maintenance and Repair Laboratory Equipments	Meggar: Insulation tester having hand driven generator to generate 500 volts DC having effective range of	2	0	2	3000
468	Installation, Maintenance and Repair Laboratory Equipments	Fans of various type with one having solid State speed regulator:				
469	Installation, Maintenance and Repair Laboratory Equipments	Electrical Appliances:	3	0	3	2,000
		1. Electric Kettle: 750 watts, 230V single phase	3		3	2,400
470	Installation, Maintenance and Repair Laboratory Equipments	AC, 50Hz, capacity 1 lit.	6	0	6	1,800
			6		6	3,000
471	Installation, Maintenance and Repair Laboratory Equipments	a) Filament type	1	0	1	800
			2		2	6,000
472	Installation, Maintenance and Repair Laboratory Equipments	b) Rod type rated 1000 watt.	12	0	12	3,600
			6		6	2,400
473	Installation, Maintenance and Repair Laboratory Equipments	2. a) Electric Iron, 500 watt, 230 V, Ordinary,	6	0	6	2,400
			2		2	3,000
474	Installation, Maintenance and Repair Laboratory Equipments	50 Hz, 1 Kg weight	1	0	1	3,000
475	Installation, Maintenance and Repair Laboratory Equipments	b) Electric Iron, 500 watt, 230 V,		0		
476	Installation, Maintenance and Repair Laboratory Equipments	Automatic, 50 Hz, 1/2 Kg		0		
477	Installation, Maintenance and Repair Laboratory Equipments	3. Electric Toaster: 500 watt		0		
478	Installation, Maintenance and Repair Laboratory Equipments	4. Geyser 15 lit capacity, 2 Kw, 230 Volts 50 Hz,		0		
479	Installation, Maintenance and Repair Laboratory Equipments	AC		0		
480	Installation, Maintenance and Repair Laboratory Equipments	5. Immersion rod: 1000 watt, 230 Volts 50Hz, AC		0		
481	Installation, Maintenance and Repair Laboratory Equipments	supply operated		0		
482	Installation, Maintenance and Repair Laboratory Equipments	6. Room Heater 1000 watt, 230 V, 50 Hz, AC		0		
483	Installation, Maintenance and Repair Laboratory Equipments	supply		0		
484	Installation, Maintenance and Repair Laboratory Equipments	a) Parabolic type		0		
485	Installation, Maintenance and Repair Laboratory Equipments	b) Rod type (single rod/double rod)		0		
486	Installation, Maintenance and Repair Laboratory Equipments	7. Air convector: 1000 watts, 230 V, 50 Hz, with 2		0		

487	Installation, Maintenance and Repair Laboratory Equipments	temperature settings		0		
488	Installation, Maintenance and Repair Laboratory Equipments	8. Mixer cum grinder: 250 watts, 230 volts, 50 Hz,		0		
489	Installation, Maintenance and Repair Laboratory Equipments	1 1/2 lit. capacity with various attachments (food		0		
490	Installation, Maintenance and Repair Laboratory Equipments	processor)		0		
491	Installation, Maintenance and Repair Laboratory Equipments	9. Heater: Wire wound type, 1000 watts, 230 V, 50		0		
492	Installation, Maintenance and Repair Laboratory Equipments	Hz supply		0		
493	Installation, Maintenance and Repair Laboratory Equipments	10 Induction plate 2kW, 220V 1 ø A/C		0		
494	Installation, Maintenance and Repair Laboratory Equipments	11. Hot plate: Single/double filament 1500/2000		0		
495	Installation, Maintenance and Repair Laboratory Equipments	watts, with control knobs operating at 230 V, 50		0		
496	Installation, Maintenance and Repair Laboratory Equipments	Hz, AC supply		0		
497	Installation, Maintenance and Repair Laboratory Equipments	12. Electrical Oven: 2 KW, with temperature control		0		
498	Installation, Maintenance and Repair Laboratory Equipments	devices and temperature indicating meters		0		
499	Installation, Maintenance and Repair Laboratory Equipments	operating at 230 volts, 50 Hz AC supply		0		
500	Installation, Maintenance and Repair Laboratory Equipments	13. Refrigerator 165 litres				
501	Installation, Maintenance and Repair Laboratory Equipments	14. a) Washing Machine: 0.5 HP washing				
502	Installation, Maintenance and Repair Laboratory Equipments	machine to be operated at 230 V 50 Hz,	6	0	6	500
503	Installation, Maintenance and Repair Laboratory Equipments	AC 20 lit. cap. round tank type				
504	Installation, Maintenance and Repair Laboratory Equipments	b) Washing Machine: 0.5 HP washing				
505	Installation, Maintenance and Repair Laboratory Equipments	machine to be operated at 230 V 50 Hz,				
506	Installation, Maintenance and Repair Laboratory Equipments	AC 6.5 lit. semi-automatic	2	0	2	1500
507	Installation, Maintenance and Repair Laboratory Equipments	15. Electric Shaver: 40-60 watts, to be operated at				
508	Installation, Maintenance and Repair Laboratory Equipments	230 V, 50 HP supply	4	0	4	1000
509	Installation, Maintenance and Repair Laboratory Equipments	16. Electric Lighter: to be operated at 230 v, 50 Hz				
510	Installation, Maintenance and Repair Laboratory Equipments	Electric/Electronic				
511	Installation, Maintenance and Repair Laboratory Equipments		1	0	1	2000

512	Installation, Maintenance and Repair Laboratory Equipments		2	0	2	7000
513	Installation, Maintenance and Repair Laboratory Equipments		1	0	1	2500
514	Installation, Maintenance and Repair Laboratory Equipments		1	0	1	4000
515	Installation, Maintenance and Repair Laboratory Equipments		1	0	1	1000
516	Installation, Maintenance and Repair Laboratory Equipments		1	0	1	200
517	Installation, Maintenance and Repair Laboratory Equipments	Armature Growler: Armature testing growler suitable for finding faults in armature like open circuit, short	1	0	1	2000
518	Installation, Maintenance and Repair Laboratory Equipments	Digital clip-on meter: Digital Clip-on meter with following specifications:	3	0	3	1000
519	Installation, Maintenance and Repair Laboratory Equipments	Electric Blower: for cleaning equipment, powerful light weight with flexible hose 2 mts long complete with	1	0	1	6000
520	Installation, Maintenance and Repair Laboratory Equipments	Miniature Circuit Breakers(MCBs) a) 16, 40 and 60 amps in single phase	6 each	0	6 each	200
521	Installation, Maintenance and Repair Laboratory Equipments	b) 100 amps 3 phase	6 each	0	6 each	200
522	Installation, Maintenance and Repair Laboratory Equipments	c) 200 amps 3 phase	6 each	0	6 each	300
523	Installation, Maintenance and Repair Laboratory Equipments	Oil Testing Set: Oil testing set as per ISI 6792/1972 input voltage 220-250 volt, 50 Hz AC Output voltage 0-	1	0	1	10000
524	Installation, Maintenance and Repair Laboratory Equipments	Electric Lamps: a) Mercury vapour lamp 120 watt, 230v, 50 Hz AC supply complete with choke, lamp holder and power factor capacitor	2	0	2	2500
525	Installation, Maintenance and Repair Laboratory Equipments	b) Mercury vapour lamp ML type 120/125 watt, 230 v, 50 Hz supply	2	0	2	2000
526	Installation, Maintenance and Repair Laboratory Equipments	c) Sodium vapour lamp 120 watt/250 watt, 230 volts, 50 Hz with choke	4	0	4	2000
527	Installation, Maintenance and Repair Laboratory Equipments	d) Flourescent tube: 20/40 watt, 230 V,50 Hz, single phase with choke, starter and fittings various sizes and	2	0	2	200
528	Installation, Maintenance and Repair Laboratory Equipments	g) Filament Lamps				
529	Installation, Maintenance and Repair Laboratory Equipments					
530	Installation, Maintenance and Repair Laboratory Equipments	- 60 W lamp, 230 V	100	0	100	10
531	Installation, Maintenance and Repair Laboratory Equipments	- 60 W lamp, 100 V	100	0	100	10
532	Installation, Maintenance and Repair Laboratory Equipments	- 60 W lamp, 230 V	100	0	100	10
533	Installation, Maintenance and Repair Laboratory Equipments	- 200 W lamp	100	0	100	15
534	Installation, Maintenance and Repair Laboratory Equipments	- 500 W lamp	100	0	100	15
535	Installation, Maintenance and Repair Laboratory Equipments	- 100 W – 110 V lamp	100	0	100	15
536	Installation, Maintenance and Repair Laboratory Equipments	- 100 W - 150 V lamp	100	0	100	15

537	Installation, Maintenance and Repair Laboratory Equipments	h) CFL LAMP	50	0	50	150
538	Installation, Maintenance and Repair Laboratory Equipments	i) LED bulb 10W	100	0	100	100
539	Installation, Maintenance and Repair Laboratory Equipments	Emergency Light:				
540	Installation, Maintenance and Repair Laboratory Equipments	a) 55 cm long, with 6 volts battery suitable for vertical and horizontal position	1	0	1	500
541	Installation, Maintenance and Repair Laboratory Equipments	b) (Fluorescent tube light) portable type twin tube 1"(25.4 mm) long with 6 volts battery for vertical and horizontal position	1	0	1	500
542	Installation, Maintenance and Repair Laboratory Equipments	Voltage Stabilizer: 500 VA, input 170/260 volts, output 210- 240 volts automatic with voltmeter	2	0	2	1000
543	Installation, Maintenance and Repair Laboratory Equipments	Bridge Insulation Tester: Transistorized battery operated bridge insulation tester battery operated push button	1	0	1	5000
544	Installation, Maintenance and Repair Laboratory Equipments	Automobile Electrical Wiring Demonstration working model for	2	0	2	3000
545	Installation, Maintenance and Repair Laboratory Equipments	Screw Driver Set: Electrician type round nickel plated steel blade, flat tip with plastic insulated handle	6 each	0	6 each	167
546	Installation, Maintenance and Repair Laboratory Equipments	Combination Pliers: 205 mm length with thick plastic insulated handle Insulated for 500 V (Taparia, PYE	8	0	8	313
547	Installation, Maintenance and Repair Laboratory Equipments	Long Nose Pliers: 150 mm insulated for 500 volts	12	0	12	83
548	Installation, Maintenance and Repair Laboratory Equipments	Diagonal Pliers: 150 mm insulated for 500 volts suitable for cutting hard wires	6	0	6	100
549	Installation, Maintenance and Repair Laboratory Equipments	Adjustable Wrench Chromium plated adjustable wrench lengths 255 mm max. opening 30 mm	6	0	6	500
550	Installation, Maintenance and Repair Laboratory Equipments	a) Flat nose pliers: Rectangular section jaw and smooth gripping surface plastic insulated handles length 130	3 each	0	3 each	100
551	Installation, Maintenance and Repair Laboratory Equipments	b) Slip Nose Pliers with slim long grains of half round section and smooth gripping surfaces plastic insulated	6	0	6	50
552	Installation, Maintenance and Repair Laboratory Equipments	c) Round Nose Pliers: With slim long round grains and plastic insulated handles lengths 130 mm	3	0	3	100
553	Installation, Maintenance and Repair Laboratory Equipments	Ball Peen Hammer: Ball peen hammer with polished fall and peen wooden handle having wts	3 each	0	3 each	167
554	Installation, Maintenance and Repair Laboratory Equipments	Screw Holding Screw Driver Set: Screw driver set fitted with spring each clips to secure screw head round or	6	0	6	67
555	Installation, Maintenance and Repair Laboratory Equipments	Instrument Makers Screw Driver Set: Set of screw drivers with chrome vanadium set steel shaft and fluted	2	0	2	150
556	Installation, Maintenance and Repair Laboratory Equipments	Tweezers				
557	Installation, Maintenance and Repair Laboratory Equipments	a) With blunt serrated Jaws stainless steel nickel plated length 160 mm	1	0	1	50
558	Installation, Maintenance and Repair Laboratory Equipments	b) Pointed ends serrated jaws stain less steel nickel plated length 130 mm	1	0	1	50
559	Installation, Maintenance and Repair Laboratory Equipments	Work shop Scissors Stainless steel, scissors suitable for cutting insulation, paper, plastic etc. length approx. 150	6	0	6	50
560	Installation, Maintenance and Repair Laboratory Equipments	Adjustable Hacksaw Frame: Extra robust tubular steel frame cast handle adjustable for hacksaw blade from	4	0	4	75
561	Installation, Maintenance and Repair Laboratory Equipments	Hand Drill Machine: Two speed hand drill machine with enclosed gear adjustable crank, supporting handle, self	6	0	6	150

562	Installation, Maintenance and Repair Laboratory Equipments	Bench Vice: Drop forged steel bench vice with jaw width 100 mm, Jaw opening 120 mm, Jaw depth 75	2	0	2	400
563	Installation, Maintenance and Repair Laboratory Equipments	Bearing Puller Three legs heavy duty bearing puller of size 100 mm/200 mm	1	0	1	400
564	Installation, Maintenance and Repair Laboratory Equipments	Automatic Centre Punch: Spring loaded action knurled shank centre punch length 115 mm and dia at point 2mm	2	0	2	100
565	Installation, Maintenance and Repair Laboratory Equipments	Wire Gauge: Suitable upto 0-76 SWG	1	0	1	200
566	Installation, Maintenance and Repair Laboratory Equipments	Try Square: Engineers try square from stainless steel with stock 90 degrees all sides accurately finished legs	2	0	2	50
567	Installation, Maintenance and Repair Laboratory Equipments	Measuring tape: Pocket measuring tape of steel spring return device, flexible, clearly graduated in metric readings 2 mts long	6	0	6	33
568	Installation, Maintenance and Repair Laboratory Equipments					
569	Installation, Maintenance and Repair Laboratory Equipments	Files Set: Hand files with plastic handles for each general metal treatment double cut 200/350 mm long	2	0	2	500
570	Installation, Maintenance and Repair Laboratory Equipments	Wire Stripper: Stripper with side mounted spring return and adjustable jaws via lock screws for cable insulation	2	0	2	50
571	Installation, Maintenance and Repair Laboratory Equipments	Screw Driver Mains Voltage Tester: Flat tip screw driver with built in new test lamp transparent plastic	2	0	2	50
572	Installation, Maintenance and Repair Laboratory Equipments	Cable Knife: Electrician knife blade made from stainless steel with length 50 mm plastic moulded handle	12	0	12	8
573	Installation, Maintenance and Repair Laboratory Equipments	Soldering Gun Kit: Instant action soldering device trigger controlled with built in illumination of soldering butt	3	0	3	2000
574	Installation, Maintenance and Repair Laboratory Equipments	Rubber Mallet: Soft Rubber with wooden handle approx. 200 gms	6	0	6	50
575	Installation, Maintenance and Repair Laboratory Equipments	Screw Extractor Set: Left hand thread for easy removal of broken right hand threaded screw and bolts.Set of	3	0	3	100
576	Installation, Maintenance and Repair Laboratory Equipments	Letter Stamp Set: Made from high grade steel, character set height 4 mm, full set of alphabets complete with	2	0	2	100
577	Installation, Maintenance and Repair Laboratory Equipments	L - End Key Set: a) Metric set of 10 wrenches from 1.5 to 10 mm	1 1	0	1 1	100 200
578	Installation, Maintenance and Repair Laboratory Equipments	Box Spanner Set: Round shank in chrome vanadium steel Hexagonal socket plastic handle set of nine spanners sizes	1	0	1	200
579	Installation, Maintenance and Repair Laboratory Equipments	Open Ended Spanner Set: Double ended chrome vanadium steel jaws, jaw angle 15' oval shank set of 8	2	0	2	400
580	Installation, Maintenance and Repair Laboratory Equipments	Soldering Iron: Soldering iron 35 watts, 65 W, 100 Watts operating at 230 V, 50 Hz supply	2	0	2	150
581	Installation, Maintenance and Repair Laboratory Equipments	Oil Can: 0.75 lit capacity	2	0	2	50
582	Installation, Maintenance and Repair Laboratory Equipments	Blow Lamp: 1 Pint kerosene oil capacity blow lamp	3	0	3	133
583	Installation, Maintenance and Repair Laboratory Equipments	Hand Saw: Hand saw 10" (254) size 10 teeth per inch teak wood handle	6	0	6	50
584	Installation, Maintenance and Repair Laboratory Equipments	Chisels: Former chisel made of carbon steel of size 6 mm x 15 mm	3	0	3	50
585	Installation, Maintenance and Repair Laboratory Equipments	Wrench Set: Set of 5(3/8 to 1 inch) chrome vanadium sets steel, offset type, points, accurately sizes capacity	2	0	2	500
586	Installation, Maintenance and Repair Laboratory Equipments	Pipe Wrench: High tensile steel, drop forged, hardened and tempered app. cap. 6 to 50 mm dia	3	0	3	167

587	Installation, Maintenance and Repair Laboratory Equipments	Tap Wrench Set: Set of 4, bar type, adjustable for general purpose, made of best quality steel, approx. cap.	6	0	6	250	
588	Installation, Maintenance and Repair Laboratory Equipments	Electric Pneumatic Drilling Hammer: Drill capacity, 5-22 mm in concrete, 5-10 mm in steel rated voltage 235 volts,	1	0	1	1500	
589	Installation, Maintenance and Repair Laboratory Equipments	Work Bench: Steel construction but with wooden bench top not less than 50 mm thick with two steel drawers both	1	0	1	1500	
590	Installation, Maintenance and Repair Laboratory Equipments	Fire Extinguisher: Multipurpose fire extinguishers, suitable for electric installation and petrol fire, app. cap. 10	5	0	5	1000	
591	Installation, Maintenance and Repair Laboratory Equipments	Tube light, 230V, 50HZ, 1-Ø	10	0	10	50	
592	Installation, Maintenance and Repair Laboratory Equipments	Starter, 230V, 50HZ, 1-Ø for Tube Light	10	0	10	40	
593	Installation, Maintenance and Repair Laboratory Equipments	Choke, 230V, 50HZ, 1-Ø for Tube Light	10	0	10	100	
594	Installation, Maintenance and Repair Laboratory Equipments	Alarm bell electric, 230V, 50HZ, 1-Ø	6	0	6	150	
595	Electronics Engineering	Electronics Engineering lab Equipments	Audio Oscillator (20HZ-50KHZ)	26	0	26	8900
596		Electronics Engineering lab Equipments	Multimeter, 20 K. Ohm per volt Sensitivity, + 1% accuracy d.c.voltage 1000 v. max.	10	0	10	5960
597		Electronics Engineering lab Equipments	Digital Elex. multimeter. 3.5/4.5/5.5 Digit Led, AC & DC Voltage Current, Frequency, Resistance, Capacitors, DC	24	0	24	14900
598		Electronics Engineering lab Equipments	Regulated Power Supply 0-30 V, 0.5/1 Amps.	20	0	20	7490
599		Electronics Engineering lab Equipments	Multi output Power Supply 0-30V, 1 Amp. 0+-12 V, 1 Amp., 5 V, 2 Amp.	6	0	6	10800
600		Electronics Engineering lab Equipments	Power Supply 0-300 Volt, 1 Amp.	4	0	4	7300
601		Electronics Engineering lab Equipments	Dual Trace C.R.O. (0-30 MHz) 4, Operating Mode Channel I, Channel II, Channel I & II, Accuracy +3, Hold off-	16	0	16	31000
602		Electronics Engineering lab Equipments	R.F.Signal Generator (AM/FM) 500 KHZ to 1.3 GHZ Standard Make	4	0	4	14900
603		Electronics Engineering lab Equipments	Function Generator upto 10MHZ, Amplitude 0-20V PP LED Display, Frequency Variation Fine Control Output	6	0	6	29900
604		Electronics Engineering lab Equipments	A.C. Millivolt Meter/Micro Meter (Elex.)	8	0	8	11600
605		Electronics Engineering lab Equipments	Out Put Audio Power Meter 4 Ohm.- 20 K & 1 MW - 10 W	2	0	2	4600
606		Electronics Engineering lab Equipments	Digital MultiMeter/Micro Meter Digital Millivoltmeter(Suitable range)	8	0	8	1960
607		Electronics Engineering lab Equipments	D.C. Voltmeter /D.C. Milliammeter/D.C. Micrometer (suitable range)	30	0	30	600
608		Electronics Engineering lab Equipments	Decade Resistance Box (Different ranges) Min 4/5/6 Dials Max Working Voltag 500V	6	0	6	1850
609	Electronics Engineering lab Equipments	Decade Capacitor Box (Different range) Min 4/5/6 Dial Cont	8	0	8	8900	
610	Electronics Engineering lab Equipments	Decade Inductance Box Min 4/5 Dials	8	0	8	11450	
611	Electronics Engineering lab Equipments	Different Transducers : pressure type, thermo couple, Demonstr (8 set of LVFT, Opto pick electromagnetic ation	8	0	8	8000	

612	Electronics Engineering lab Equipments	Experimental Kit / Teaching Modules /Training boards / Learning kits. of relevant subject.		0		0
613	Electronics Engineering lab Equipments	Component Storage rack	16	0	16	0
614	Electronics Engineering lab Equipments	Consumable Items		0		0
615	Electronics Engineering lab Equipments	Miscellaneous		0		0
616	Electronics Engineering lab Equipments	Power Operated Drilling Machine	2	0	2	12000
617	Electronics Engineering lab Equipments	Servo Voltage Stabilizer 5 KVA	1	0	1	75000
618	Electronics Engineering lab Equipments	Inverter 1 KVA with Battery	1	0	1	15000
619	Electronics Engineering lab Equipments	One Desk Top Latest Version	2	0	2	40000
620	Electronics Engineering lab Equipments	Electronics Software Electronics Lab Virtual Lab/ Circuit Maker etc. of Latest Version	1	0	1	300000
621	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Audio signal generator 20 Hz -50 KHz, 15 V. p.p, 60 db step attenuator	12	0	12	4500
622	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	High quality stereo amplifier, 60 W per channel less than 1% distortion with bass treble & balance controls or Higher range	4	0	4	3500
623	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Digital A.C. voltmeter True RMS type with lowest full scale range 200 MV & accuracy 1%	12	0	12	3500
624	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Meter Distortion Factor:Minimum full scale 1% max. output measurable 50 W	4	0	4	10000
625	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	High Quality 20 W speaker set (woofer squeeaker & tweeter) in cabinet	8	0	8	1000
626	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Speaker set (one set consists of one woofer one squeeaker & one tweeter)	4	0	4	1000
627	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Commercial Quality DVD Player	2	0	2	3500
628	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Analog Multimeter with 20 K Ohm /Volt 1% accuracy in DC voltage measurable 2500 V DC, Max. Resistance 20 M	4	0	4	3500
629	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Hand held Digital Multimeter 3 & 1/2/4.5 digit 0.3% accuracy 1000 V DC & 20 M. Ohm ranges Protected against	4	0	4	3500
630	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Table Type Digital Multimeters 3 & 1/2/4.5 digit 0.3% accuracy 1000 V DC & 20 M Ohm ranges Protected against	4	0	4	6000
631	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Speaker Column (8" speakers)	4	0	4	1000
632	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Dual Trace Oscilloscope 100MHZ, 4kpts of memory, 2 channels with additional external trigger input, large15 cm	4	0	4	35000
633	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Dual Trace Oscilloscope 25 MHz 60 MHz,5 MV sensitivity	2	0	2	40000
634	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Full HD, 3D TV-Size 55 inch (140 cm.) LED/LCD with remote control, Wi-Fi connectivity,USB 2.0Attachment	1	0	1	200000
635	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Full HD LED/LCD 32 inch(81 cm.)16:9, USB 2.0 ready HDMI Ready, Two Ports, Remodte Control, Wi-Fi	4	0	4	50000
636	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Professional Quality Pattern Generator with colour & B & W pattern with sensitivity control and 6 channel VHF/UHF	2	0	2	40000

637	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Servicing Quality PatternGenerator with VHF output and colour/B & W patterns	2	0	2	20000
638	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Standard RF signal generator (AM/FM) Frequency range upto 110 MHz and output at least 10 MV with external	4	0	4	18000
639	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Regulated power supply 0-30 v, 0-1 Amp. 0.1% regulation short circuit and overload protected	6	0	6	3500
640	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	R.F Signal generator (AM),30 MHz, 10 MHz, External Mod.variable modulation	10	0	10	3000
641	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Transistor Radio Receiver band portable, battery cum mains	4	0	4	800
642	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Transistor Radio Table Model battery cum mains	4	0	4	1500
643	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Antenna simulator	4	0	4	1000
644	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	TV Antenna, 3 element and yagi(1 each) Set	2	0	2	800
645	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Radio Antenna Directional and Omni directional	2	0	2	500
646	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Dish Antenna Connection DTH other along with associated connectors and cables	2	0	2	4500
647	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	RF Signal Distribution equipment along with associated connectors and cables	2	0	2	25000
648	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Sweep Generator	2	0	2	25000
649	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Wobbuloscope	2	0	2	50000
650	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Digital Handicam	2	0	2	20000
651	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	DVD Writer and Player	2	0	2	10000
652	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Diff. Types of Antenna-MF,HF,VHF, UHF & Microwave	LS	0	LS	0
653	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Experimental Kits demonstrating ASK, PSK, FSK	LS	0	LS	0
654	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Diff. Types of Microphones	LS	0	LS	0
655	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Commerical P A System 16 W-220V, Output AC & 24V DC operated, 5 Mic & 2 Auxilary input,Speaker output 4	2	0	2	20000
656	RADIO & AUDIO VIDEO ENGINEERING LAB Equipments	Home Theater Support Disc type CD,CDR/CDRW DVDR/DVDRW, VCD Supported with USBPort Support &	4	0	4	25000
657	Digital Electronics and Microprocessor Lab Equipments	CRO dual trace with delayed time base, 25 MHz or higher band width.	4	0	4	25000
658	Digital Electronics and Microprocessor Lab Equipments	CRO dual trace 100MHz. Digital storage oscilloscope 4 Kpts of Memory, 2 Channels with additional external trigger	2	0	2	30000
659	Digital Electronics and Microprocessor Lab Equipments	CRO dual trace 30 MHz.Accuracy +3%, Variable Cont.For Stable triggering, Slope Positive or Negative Trace Rotation	6	0	6	15000
660	Digital Electronics and Microprocessor Lab Equipments	Multimeter, 20 K Ohm/volt sensitivity, 1% accuracy in D.C. voltage range, Max. D.C. voltage range 2500 V, A.C	6	0	6	5960
661	Digital Electronics and Microprocessor Lab Equipments	Multimeter,Digital hand held 3.5/4.5digit, 0.3% accuracy 1000 V D.C. and 20 m ohm resistance range protected	8	0	8	6000

662	Digital Electronics and Microprocessor Lab Equipments	Logic Probe	40	0	40	500
663	Digital Electronics and Microprocessor Lab Equipments	Logic board/trainer including +5 Volt, 1Amp + 15 V, 0.3 Amp power supply and bread board and flexible leads.	20	0	20	7030
664	Digital Electronics and Microprocessor Lab Equipments	Microprocessor trainer kits with 8085 system (EC 85 or similar).	16	0	16	8063
665	Digital Electronics and Microprocessor Lab Equipments	Component rack 144 tray (small) & 24 large tray.	6	0	6	8000
666	Digital Electronics and Microprocessor Lab Equipments	Consumable material such as components ICs, resistors transistors etc.	LS	0	LS	0
667	Digital Electronics and Microprocessor Lab Equipments	Miscellaneous	LS	0	LS	0
668	Digital Electronics and Microprocessor Lab Equipments	Micro Controller Kits/PLC	LS	0	LS	0
669	Digital Electronics and Microprocessor Lab Equipments	Trainer Kits of Universal Shift Register (SISO,SIPO,PIPO,PISO)Decade Counter, Universal	LS	0	LS	0
670	Digital Electronics and Microprocessor Lab Equipments	Dual power supply (0-30v/.5amp)	4	0	4	5475
671	Digital Electronics and Microprocessor Lab Equipments	Minimum 12 line electronic telephone exchange with telephone instrument sets and power supply (Cardless)	2	0	2	50000
672	Digital Electronics and Microprocessor Lab Equipments	Mobile Phone-GSM 3G/HSDPA Supported with Wi-Fi, Bluetooth Connectivity, Abdroid 2.3 Operating System	8	0	8	15000
673	Digital Electronics and Microprocessor Lab Equipments	Tablet PC-Min 7 inch Capactive Touch Screen,Android 4.0 or Upper Operating System,2D/3D Graphic Processor, 4GB	8	0	8	1000
674	Digital Electronics and Microprocessor Lab Equipments	Experimental Kits for demonstrating ASK, FSK, PSK circuits	2	0	2	80000
675	Digital Electronics and Microprocessor Lab Equipments	Experimental Kits for Optical Fibre Communication	LS	0	LS	0
676	Digital Electronics and Microprocessor Lab Equipments	Mobiles Phones Trainer Kit with Fault Finding Facilities, Various Test Point Faculties	2	0	2	25000
677	Digital Electronics and Microprocessor Lab Equipments	Computers System Dual Core i5/i7 with internet connection and UPS	2	0	2	50000
678	Digital Electronics and Microprocessor Lab Equipments	Microprocessor Training Kit of 8086	LS	0	LS	0
679	Digital Electronics and Microprocessor Lab Equipments	Fax Machine (Multi Function)	2	0	2	10000
680	Digital Electronics and Microprocessor Lab Equipments	Universal Data Book	1	0	1	0
681	Digital Electronics and Microprocessor Lab Equipments	Software	LS	0	LS	0
682	Electronics Workshop and Project Lab Equipments	D C Voltmeter (1K/2K/10K/20KOhm per Volt)	8	0	8	600
683	Electronics Workshop and Project Lab Equipments	Gen.purpose multimeter	8	0	8	2500
684	Electronics Workshop and Project Lab Equipments	Digital Multimeter	10	0	10	3500
685	Electronics Workshop and Project Lab Equipments	Regulated Power Supply Variable 0-30 V; 1 A	8	0	8	7490
686	Electronics Workshop and Project Lab Equipments	Transistor power supply (+,-,Comm)0-30 V / 1 A variable	8	0	8	3500

687	Electronics Workshop and Project Lab Equipments	Unregulated power supply 0-30 V; 1 A	2	0	2	2500
688	Electronics Workshop and Project Lab Equipments	A.F. signal generator. Output Digital AES 75W on a BN connector, AES/EBU on terminal block connector,	10	0	10	8064
689	Electronics Workshop and Project Lab Equipments	RF signal generator Frequency Range 100KHz to 150Mhz in seven steps, accuracy on scale+5%, RF output min 100mv	10	0	10	15000
690	Electronics Workshop and Project Lab Equipments	Function Generator Operating modes sine, square triangle and DC output Frequency Range 0.1-1Mhz in seven decade	4	0	4	25000
691	Electronics Workshop and Project Lab Equipments	Std. Signal Generator	4	0	4	15000
692	Electronics Workshop and Project Lab Equipments	AC/DC Voltmeter (M.I.type)	4	0	4	600
693	Electronics Workshop and Project Lab Equipments	CRO 200 Mhz Digital Storage oscilloscope-upto 1GSa/s Simple Rate Memory 4 Kpts or Higher, 2 Chennel with	8	0	8	35000
694	Electronics Workshop and Project Lab Equipments	Dual Trace CRO 100 MHz Digital Storage oscilloscope-upto 1GSa/s Simple Rate Memory 4 Kpts or Higher, 2	8	0	8	35000
695	Electronics Workshop and Project Lab Equipments	Q Meter-8 Digit LED 0.8 inch Height, Range Indicator .999 count & Status indicators Via 3 LEDs, Measuring Frequency	2	0	2	8000
696	Electronics Workshop and Project Lab Equipments	RLC/Universal Bridge AC/DC Bridge	4	0	4	8000
697	Electronics Workshop and Project Lab Equipments	Universal Digital Freq. Counter	2	0	2	20000
698	Electronics Workshop and Project Lab Equipments	Distortion Factor Meter	2	0	2	12000
699	Electronics Workshop and Project Lab Equipments	Decade Resistance Box 4/5/6 Dials	4	0	4	1850
700	Electronics Workshop and Project Lab Equipments	Decade Cap. Box 4/5/6 Dials	2	0	2	8900
701	Electronics Workshop and Project Lab Equipments	Std. Inductance (Diff. Value)	4	0	4	600
702	Electronics Workshop and Project Lab Equipments	Charts, Models, displays for safety/rules etc.	LS	0	LS	0
703	Electronics Workshop and Project Lab Equipments	Digital Multimeter 4.5 Digit Display, AC/DC Voltage, AC/DC Current 20A Resistance, Capacitors Frequency	6	0	6	14900
704	Electronics Workshop and Project Lab Equipments	Single Phase Variac 5 Amp, 15 Amp (Oil/Air cool) av.	10	0	10	5000
705	Electronics Workshop and Project Lab Equipments	Calibrated Dual Trace CRO 100 Mhz Digital Storage oscilloscope-upto 1GSa/s Simple Rate Memory 4 Kpts or	4	0	4	30000
706	Electronics Workshop and Project Lab Equipments	Tools Kit	30	0	30	1450
707	Electronics Workshop and Project Lab Equipments	Misc. Active Components	LS	0	LS	0
708	Electronics Workshop and Project Lab Equipments	Misc. Accessories as per req.	LS	0	LS	0
709	Electronics Workshop and Project Lab Equipments	Misc. Passive components.	LS	0	LS	0
710	Electronics Workshop and Project Lab Equipments	Working Models of analog and digital equipment	LS	0	LS	0
711	Electronics Workshop and Project Lab Equipments	Dark room with Camera,Enlarger, Developing setup, Fixing & Printing setup etc.	LS	0	LS	0

712	Electronics Workshop and Project Lab Equipments	Manual Etching Setup 10000	LS	0	LS	0
713	Electronics Workshop and Project Lab Equipments	Mechanised Etching Setup 10000	LS	0	LS	0
714	Electronics Workshop and Project Lab Equipments	Silk-Screen Printing Setup 10000	LS	0	LS	0
715	Electronics Workshop and Project Lab Equipments	Drill Machine Power Operated	4	0	4	5000
716	Electronics Workshop and Project Lab Equipments	PCB Drill Machine	4	0	4	2000
717	Electronics Workshop and Project Lab Equipments	Misc. Items	LS	0	LS	0
718	Electronics Workshop and Project Lab Equipments	Consumable (Not specified above)	LS	0	LS	0
719	Learning Resource Materials Lab Equipments	LCD Projector with Screen	1	0	1	20000
720	Learning Resource Materials Lab Equipments	Handicam	1	0	1	30000
721	Learning Resource Materials Lab Equipments	Cutting, Binding & Stitching equipment.	1	0	1	30000
722	Learning Resource Materials Lab Equipments	Desk Top Computer with Internet Core i5/i7 760,Processor,GenuineWindow7,Professional 18 inch HD,	1	0	1	60000
723	Learning Resource Materials Lab Equipments	Home Theater Support Disc type CD, CDR/CDRW DVD-R/DVDRW, VCD Supported with USB Port Support-	1	0	1	25000
724	Learning Resource Materials Lab Equipments	Commerical P A System 1 – 20000 16 W-220W output, AC & 24V DC Operated, 5 Mic. & 2 Auxilaryinput, Speaker	1	0	1	20000
725	Learning Resource Materials Lab Equipments	Interactive Board 1 -- 50000	1	0	1	50000
726	Communication Engineering Lab Equipments	DC regulated low voltage variable Power Supply 6 12,000 2.	6	0	6	2000
727	Communication Engineering Lab Equipments	RF Signal Generator	3	0	3	5000
728	Communication Engineering Lab Equipments	Electronic Multimeter with different voltage ranges	6	0	6	3667
729	Communication Engineering Lab Equipments	Electronic Digital Multimeter	6	0	6	3333
730	Communication Engineering Lab Equipments	Standard Signal Generator	2	0	2	25000
731	Communication Engineering Lab Equipments	Facsimile(Fax)-transmitter receiver	1	0	1	20000
732	Communication Engineering Lab Equipments	Radio Receiver Trainer Kits/Deconstruction Models	2	0	2	5000
733	Communication Engineering Lab Equipments	AM/FM signal generator	2	0	2	10000
734	Communication Engineering Lab Equipments	Super heterodyne Receiver radio Demonstration model	1	0	1	4000
735	Communication Engineering Lab Equipments	Communication receiver	1	0	1	5000
736	Communication Engineering Lab Equipments	Optical fibre bench	2	0	2	12500

737	Communication Engineering Lab Equipments	CRO 25 MHz	3	0	3	26667
738	Communication Engineering Lab Equipments	Digital frequency meter	2	0	2	5000
739	Communication Engineering Lab Equipments	50 MHz CRO/DSO	3	0	3	16667
740	Communication Engineering Lab Equipments	Modems, opto coupler different types of microphones and other accessories	LS	0	LS	0
741	Communication Engineering Lab Equipments	Advanced Communication Trainer	2	0	2	50000
742	Communication Engineering Lab Equipments	Cellular Mobile KiT	2	0	2	5000
743	Communication Engineering Lab Equipments	Pulse Modulation and Demodulation	6	0	6	3333
744	Communication Engineering Lab Equipments	Pulse Amplitude Modulation and Demodulation	6	0	6	3000
745	Communication Engineering Lab Equipments	Pulse Width Modulation and Demodulation	6	0	6	3000
746	Communication Engineering Lab Equipments	Data Formatting and Carrier Modulation Transistor Trainer Model	6	0	6	4167
747	Communication Engineering Lab Equipments	Carrier Demodulation of Data Reformatting Receiver Trainer Kit	6	0	6	4167
748	Communication Engineering Lab Equipments	AM Transmitter Trainer Model	6	0	6	3333
749	Communication Engineering Lab Equipments	AM Receiver Trainer Model	6	0	6	3333
750	Communication Engineering Lab Equipments	FM Communication Trainer Model	6	0	6	4167
751	Communication Engineering Lab Equipments	Sampling Reconstruction Trainer	6	0	6	1833
752	Communication Engineering Lab Equipments	Pulse Code Modulation Transmitter	6	0	6	4167
753	Communication Engineering Lab Equipments	Pulse Code Modulation Receiver	6	0	6	4167
754	Communication Engineering Lab Equipments	Delta Adaptive Delta Sigma Modulation and Demodulation Trainer	6	0	6	5000
755	Communication Engineering Lab Equipments	Antenna Trainer to plot the radiation pattern of different types of Antenna	2	0	2	10000
756	Communication System Lab Equipments	Kit - IF Amplifier Transistor based	6	0	6	250
757	Communication System Lab Equipments	Kit – Amplitude Modulation Demodulation (DSB)	6	0	6	417
758	Communication System Lab Equipments	Kit – Double Balanced Modulator/Demodulator	6	0	6	7500
759	Communication System Lab Equipments	Kit – Frequency Modulator Demodulator (Transistorized)	6	0	6	367
760	Communication System Lab Equipments	Kit – Computer and locking range of PLL	6	0	6	267
761	Communication System Lab Equipments	Kit – Frequency Demodulation (IC Based)	6	0	6	267

762	Communication System Lab Equipments	Kit –Sample and Hold (S/H) function for Digital Study	6	0	6	433
763	Communication System Lab Equipments	IF Amplifier (IC Based)	6	0	6	267
764	Communication System Lab Equipments	Frequency Synthesizer	6	0	6	267
765	Communication System Lab Equipments	Kit to measure characteristic impedance of symmetrical T & π	5	0	5	6000
766	Communication System Lab Equipments	Kit to measure Image Impedance of Asymmetrical T & π Netw	5	0	5	6000
767	Communication System Lab Equipments	Kit to Plot the attenuation characteristic	5	0	5	6000
768	Communication System Lab Equipments	Kit for LPF, HPF, BPF	5	0	5	6000
769	Communication System Lab Equipments	Kit for measurement of SWR of Line	2	0	2	5000
770	Communication System Lab Equipments	Kit for Plotting attenuation characteristics of crystal filter	5	0	5	2000
771	Electronic design and Simulation Technique Lab Equipments	Computer	20	0	20	80000
772		Softwares:- DIP Trace /ORCAD/LAB VIEW/WIN SPICE etc.	-	0	-	0
773	Electronics Workshop Lab Equipments	Hand Tools Set	5	0	5	1000
774	Electronics Workshop Lab Equipments	Soldering Set	5	0	5	1000
775	Electronics Workshop Lab Equipments	Hand Drill	1	0	1	3000
776	Electronics Workshop Lab Equipments	PCB Etching Machine	2	0	2	1250
777	Electronics Workshop Lab Equipments	Silk Screen Printing 2 set	2	0	2	25000
778	Electronics Workshop Lab Equipments	Drafting Equipment 1 set	1	0	1	15000
779	Electronics Workshop Lab Equipments	PCB Drilling Machine	1	0	1	10000
780	Electronics Workshop Lab Equipments	Sheet metal folding and binding machine	1	0	1	20000
781	Electronics Workshop Lab Equipments	Sheet metal cutting machine	1	0	1	5000
782	Electronics Workshop Lab Equipments	Centre Lathe	1	0	1	15000
783	Electronics Workshop Lab Equipments	Grinder	1	0	1	6000
784	Electronics Workshop Lab Equipments	Circular saw	1	0	1	6000
785	Electronics Workshop Lab Equipments	DC regulated low voltage variable power supply	1	0	1	10000
786	Electronics Workshop Lab Equipments	Audio Oscillator	2	0	2	3000

787	Electronics Workshop Lab Equipments	RF Signal generator	2	0	2	4000
788	Electronics Workshop Lab Equipments	Digital LCR-Q meter	2	0	2	5000
789	Electronics Workshop Lab Equipments	Digital multi-meter	4	0	4	3000
790	Electronics Workshop Lab Equipments	Dual trace/DSo	4	0	4	6250
791	Electronics Workshop Lab Equipments	AC Milivoltmeter	2	0	2	1750
792	Electronics Workshop Lab Equipments	IC Bread boards	6	0	6	500
793	Electronics Workshop Lab Equipments	Soldering stations temperature controlled	10	0	10	1050
794	Electronics Workshop Lab Equipments	Solder suckers with accessories	10	0	10	50
795	Measurement Lab Equipments	Light Measurement (Photocells) Kit	4 Nos.	0	4 Nos.	3750
796	Measurement Lab Equipments	LVDT Kit	4 Nos.	0	4 Nos.	2000
797	Measurement Lab Equipments	Pressure Measurement Kit	4 Nos.	0	4 Nos.	2375
798	Measurement Lab Equipments	Strain Measurement Kit	4 Nos.	0	4 Nos.	3500
799	Measurement Lab Equipments	Water Level Measurement Kit	4Nos.	0	4Nos.	2875
800	Measurement Lab Equipments	RPM Measurement Kit	4Nos.	0	4Nos.	1250
801	Measurement Lab Equipments	Temperature Measurement Kit	4Nos.	0	4Nos.	1250
802	Measurement Lab Equipments	Maxwell's Bridge Kit	4Nos.	0	4Nos.	1875
803	Measurement Lab Equipments	Wein's Bridge Kit	4 Nos.	0	4 Nos.	1125
804	Measurement Lab Equipments	Anderson Bridge Kit	4 Nos.	0	4 Nos.	1250
805	Measurement Lab Equipments	Flux Meter (Digital) Kit	4 Nos.	0	4 Nos.	1250
806	Measurement Lab Equipments	Q. Meter (Digital) Kit	4 Nos.	0	4 Nos.	1250
807	Measurement Lab Equipments	pH meter kit	4 Nos.	0	4 Nos.	1000
808	Measurement Lab Equipments	Wheat stone bridge kit	4 Nos	0	4 Nos	5000
809	Electrical Machine Lab Equipments	Ammeter, Voltmeter, Wattmeter and Energy Meters (3- phase and 1- phase)	8 each	0	8 each	5000
810	Electrical Machine Lab Equipments	3-Phase Resistive load	4 Nos.	0	4 Nos.	400
811	Electrical Machine Lab Equipments	LCR/Q Bridge	1	0	1	5000

812	Electrical Machine Lab Equipments	Tong tester	4	0	4	3000
813	Electrical Machine Lab Equipments	Transformer (single phase)	2	0	2	8000
814	Electrical Machine Lab Equipments	Watt meter, Volt meter, Ammeter,	2 each	0	2 each	5000
815	Electrical Machine Lab Equipments	DC Shunt Motor,2 hp with loading arrangement	1	0	1	20000
816	Electrical Machine Lab Equipments	Induction Motor (Single phase)	2	0	2	5000
817	Electrical Machine Lab Equipments	Induction Motor (Three phase)	2	0	2	5000
818	Electrical Machine Lab Equipments	Slipring Induction Motor 3 HP with loading facility	1	0	1	25000
819	Electrical Machine Lab Equipments	Alternator and Load for Alternators	1	0	1	25000
820	Electrical Machine Lab Equipments	DC generator with prime-mover motor	2	0	2	12500
821	Electrical Machine Lab Equipments	DC Regulated Power Supply	2	0	2	3000
822	Electrical Machine Lab Equipments	Starters (DOL and Star Delta)	2 each	0	2 each	4000
823	Electrical Machine Lab Equipments	Rheostats	4	0	4	3000
824	Electrical Machine Lab Equipments	Tacho meters (digital)	2	0	2	7500
825	Electrical Machine Lab Equipments	Maggar (Insulation Tester)	2	0	2	2500
826	Electrical Machine Lab Equipments	Earth Tester	2	0	2	5000
827	Electrical Machine Lab Equipments	Digital Multi-meter	10	0	10	3200
828	Electrical Machine Lab Equipments	Rectifier, Inverter Set	1	0	1	10000
829	Power Electronics Lab Equipments	Chopper Kit	6 Nos.	0	6 Nos.	833
830	Power Electronics Lab Equipments	Series Inverter	2 Nos.	0	2 Nos.	4000
831	Power Electronics Lab Equipments	Parallel Inverter	2 Nos.	0	2 Nos.	4000
832	Power Electronics Lab Equipments	Speed Control of dc motor (Thyristorized)	6 Nos.	0	6 Nos.	833
833	Power Electronics Lab Equipments	Single Phase Cyclo Convertor with Thyristors	2 Nos.	0	2 Nos.	10000
834	Power Electronics Lab Equipments	SCR Characteristics	6 Nos.	0	6 Nos.	250
835	Power Electronics Lab Equipments	Gate Triggering Characteristics of SCR	6 Nos.	0	6 Nos.	1666
836	Power Electronics Lab Equipments	AC Phase Control Trainer Kit	6 Nos.	0	6 Nos.	1000

837		Power Electronics Lab Equipments	Kit to Study 3-phase Control Bridge Converter	6 Nos.	0	6 Nos.	1916
838		Power Electronics Lab Equipments	UJT Characteristics and its Application as Relaxation Oscillator	6 Nos.	0	6 Nos.	250
839		Power Electronics Lab Equipments	Kit for Plotting VI characteristics of SCR	5	0	5	8000
840		Power Electronics Lab Equipments	Kit for Plotting VI characteristics of TRIAC	5	0	5	8000
841		Power Electronics Lab Equipments	Kit for Plotting VI characteristics of DIAC	5	0	5	8000
842		Power Electronics Lab Equipments	Kit for Plotting VI characteristics of UJT	5	0	5	8000
843		Power Electronics Lab Equipments	Kit of UJT Based Relaxation Oscillator	5	0	5	8000
844		Power Electronics Lab Equipments	Kit for Single Phase half wave controlled Rectifier	5	0	5	8000
845		Power Electronics Lab Equipments	Kit for single phase full wave controlled Rectifier	5	0	5	8000
846		Power Electronics Lab Equipments	Kit for Triac Based AC Phase control	5	0	5	8000
847		Power Electronics Lab Equipments	Demonstration Kit of Off-line and On-line UPS	2 each	0	2 each	5000
848		Medical Electronics Lab Equipment	Medical test bench	LS	0	LS	0
849		Control Circuit Lab Equipment	Instrumentation and Control Circuit Trainer Equipment Having	2 Sets	0	2 Sets	30000
850	1. Mechanical Engineering 2. Electronics Engineering 3. Electrical Engineering	REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Computer Server(Quad-Core Intel Processor 32 GB RAM)	1	0	1	500000
851		REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Computer Desktop(i7 8 th Generation, 1TB Hard Disk,8GB RAM, Preloaded window with 5 years warranty)	60	0	60	80000
852		REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Switch with 24 port speed 10/100/1000(Manageable)	3	0	3	50000
853		REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Multimedia Laser Jet Printer	8	0	8	30000
854		REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Multifunctional Printer, A3 size	1	0	1	40000
855		REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Plotter	1	0	1	80000
856		REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Scanner	1	0	1	65000
857		REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Laptop	2	0	2	75000
858		REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Online UPS, 6 KVA	2	0	2	100000
859		REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Internet Connectivity(2 mbps)	60 Nodes	0	60 Nodes	5000
860		REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	LCD/DLP Projector with Screen	1	0	1	25000
861		REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Air Conditioner 2 ton	4	0	4	35000

862	REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Anti Virus(Quick Heal Total Security)	12(5 User 3 years)	0	12(5 User 3 years)	1000
863	REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	MS Office latest	1	0	1	20000
864	REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Solid Works/AutoCAD/Unigraphics/Pro-C	30 user	0	30 user	16666
865	REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Compiler Turbo C,C++	1	0	1	10000
866	REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Web camera, Speakers and Mike	1	0	1	20000
867	REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Coral Draw latest version	10 user	0	10 user	20000
868	REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	External Hard Disk(1 TB)	2	0	2	5000
869	REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Computer Chair and Fixed Table	60 set	0	60 set	8000
870	REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Adobe Presenter multi user life time licenced software		0	1	5000
871	REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Pspice software		0	1	5000
872	REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	Circuit Maker software		0	1	5000
873	REQUIREMENT OF ITEMS TO ESTABLISH NEW COMPUTER LABS	E-drawing software		0	1	5000
874	REQUIREMENT OF ITEMS TO ESTABLISH NEW SMART CLASS	Laptop (Latest Configuration)	3	0	3	75000
875	REQUIREMENT OF ITEMS TO ESTABLISH NEW SMART CLASSROOMS	Computer Desktop(i7 8 th Generation, 1TB Hard Disk,8GB RAM, Preloaded window with 5 years warranty)	3	0	3	80000
876	REQUIREMENT OF ITEMS TO ESTABLISH NEW SMART CLASSROOMS	Digital Board with colour pen	3	0	3	60000
877	REQUIREMENT OF ITEMS TO ESTABLISH NEW SMART CLASSROOMS	UPS 5 KVA online	3	0	3	120000
878	REQUIREMENT OF ITEMS TO ESTABLISH NEW SMART CLASSROOMS	Amplifier with Mic	3	0	3	20000
879	REQUIREMENT OF ITEMS TO ESTABLISH NEW SMART CLASSROOMS	Collar Mic	6	0	6	1000
880	REQUIREMENT OF ITEMS TO ESTABLISH NEW SMART CLASSROOMS	LCD/DLP Projector with Screen	3	0	3	25000
881	REQUIREMENT OF ITEMS TO ESTABLISH NEW SMART CLASSROOMS	Air Conditioner 2 ton with voltage stabilizer	3	0	3	50000
882	REQUIREMENT OF ITEMS TO ESTABLISH NEW VIRTUAL CLASSROOM	Laptop (Latest Configuration)	1	0	1	75000
883	REQUIREMENT OF ITEMS TO ESTABLISH NEW VIRTUAL CLASSROOM	Conference Camera (Lifesize Icon 400)	1	0	1	250000
884	REQUIREMENT OF ITEMS TO ESTABLISH NEW VIRTUAL CLASSROOM	55-inch Full LED Screen	1	0	1	125000
885	REQUIREMENT OF ITEMS TO ESTABLISH NEW VIRTUAL CLASSROOM	UPS 5 KVA online	1	0	1	120000
886	REQUIREMENT OF ITEMS TO ESTABLISH NEW VIRTUAL CLASSROOM	Multifunctional Printer, A3 size	1	0	1	40000

887	REQUIREMENT OF ITEMS TO ESTABLISH NEW VIRTUAL CLASSROOM	2 MBPS dedicated lease line internet connection	1	0	1	
888	REQUIREMENT OF ITEMS TO ESTABLISH NEW VIRTUAL CLASSROOM	Laptop	1	0	1	75000
889	REQUIREMENT OF ITEMS TO ESTABLISH NEW VIRTUAL CLASSROOM	LCD/DLP Projector with Screen	1	0	1	25000
890	REQUIREMENT OF ITEMS TO ESTABLISH NEW VIRTUAL CLASSROOM	Air Conditioner 2 ton with voltage stabilizer	2	0	2	50000
891	REQUIREMENT OF ITEMS TO ESTABLISH NEW VIRTUAL CLASSROOM	E Lectern (at least i5 processor, with PA system and speakers)	1	0	1	175000
892	REQUIREMENT OF ITEMS TO ESTABLISH NEW VIRTUAL CLASSROOM	Room Preparation	-	0	-	
893	Language Lab Equipments	Server PC		0		
894	Language Lab Equipments	Computer Server	1	0	1	135000
895	Language Lab Equipments	(Processor: IntelXeon E3 with minimum Processor		0		
896	Language Lab Equipments	Speed: 3.3Ghz), RAM : DDR4, 8MB Cache, Total DIIM		0		
897	Language Lab Equipments	Slots: 4 DIIM Slots, Max HDD Scalability : upto 4		0		
898	Language Lab Equipments	drives (3.5 inch) 7.2 k RPM, Graphics Card 2 GB		0		
899	Language Lab Equipments	Onboard Raid Ethernet : 1 Gbps, HDMI 01 Slot, VGA		0		
900	Language Lab Equipments	01 Slot, USB 2.0 Minimum 4 Slots, USB 3.0 minimum		0		
901	Language Lab Equipments	2 Slots		0		
902	Language Lab Equipments	Headphones with Mic	1	0	1	1000
903	Language Lab Equipments	Webcam : HD Webcam	1	0	1	2000
904	Language Lab Equipments	OS: Windows server 2008 R2 64bit or above	1	0	1	80000
905	Language Lab Equipments	monitor : 19.5 inch Or higher specification	1	0	1	5000
906	Language Lab Equipments	Desktop Computer	25	0	25	80000
907	Language Lab Equipments	(Intel i7 processor, 8th generation)		0		
908	Language Lab Equipments	Minimum processor speed 3.0 Ghz		0		
909	Language Lab Equipments	RAM 8 Gb DDR4, Min. 6MB cache		0		
910	Language Lab Equipments	HDD 1 TB, Networking Integrated Bluetooth 4.0		0		
911	Language Lab Equipments	and wireless Lan 802.11b/g/n		0		
912	Language Lab Equipments	CD/DVD disk drive, USB Keyboard and USB Optical		0		
913	Language Lab Equipments	mouse, Monitor 18.5 inch or above, Ports HDMI 01		0		
914	Language Lab Equipments	Slot, VGA 01 Slot, USB 2.0 minimum 4 slots, USB 3.0		0		
915	Language Lab Equipments	minimum 2 slots, integrated intel HD Graphics,		0		
916	Language Lab Equipments	Headphones with mic.		0		
917	Language Lab Equipments	Webcam : HD Webcam, OS-Windows 10 professional		0		
918	Language Lab Equipments	or higher specifications available		0		
919	Language Lab Equipments	UPS 5KVA online at least 30 min backup	1	0	1	100000

920	Language Lab Equipments	Computer chair and table	25	0	25	8000
921	Language Lab Equipments	AC for LAB	2	0	2	40000
922	Language Lab Equipments	laser printer(Network Printer)	1	0	1	10000
923	Language Lab Equipments	LAN Setup in Lab(Misc)	-	0	-	
924	Language Lab Equipments	Language Lab software	01(with 25 user License)	0	01(with 25 user License)	

बिंदु 18

पूची के अनुसार

सहारनपुर -2

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