

List of Tools & Equipment of Advance Moudle - Electrical Maint.

SI No.	Name of Tools & Equipment	Qty.
1	Rule wooden 4 fold 60mm	33
2	Pincer	33
3	Combination Plier insulated 200mm	33
4	Screw driver 150mm	33
5	Punch center 150mm x 9mm	33
6	Knife double bladed electrician	33
7	Stipper 150mm	33
8	Hammer cross pein 115 grams with handle	33
9	Electrician connector, screw driver 100 mm insulated handle thin stem	33
10	Electrician testing pencil 1 Ineon Tester	33
11	Heavey duty screw driver 200 mm	33
12	Electrician screw driver 250 mm thin stem insulated handle	33
13	Rule steel 300 mm	33
14	Key haxsa	33
15	Hammer half pein 0.75 kg with handle	33
16	Firmer Chiset wood 12mm	33
17	Gimlet 6 mm	33
18	Bradawl	33
19	Plier sude cutting 150mm	33
20	Anolog multimeter 0.5,100,200,500 mA 100,1000,100000 USM	33
21	Spanner 150 mm adjustable 15degree as cly burns	4
22	Blow lamp 0.5	2
23	Melting pot	1
24	Ladder	2
25	Chisel Cold flat 12mm x 200mm	4
26	Chiset wood firmer 25mm and 6mm	33
27		2
28	Drill machine hand 0 to 6 mm capacity With bit	1
29	Electric drill machine portable 6 mm capacity	1
30	Piller electric drill machine 12 mm capacity	1
31	Allen key	4
32	Oil can 0.12 litre	2
33	Grease Gun	2
34	Out side micrometer 0 to 25 mm	2
35	Bench grinder motorised	1
36	Rawl plug tool and bit	4
37	Pully puller	2
38	Bearing puller	2
39	Multi meter 0 to 1000 M ohms 2.5 to 5000 volt digital	4
40	Ammeter 1 Ma to 500 MA	1
41	K.W. meter 0 to 1 KW capacity with CT 1:2 electronic/digital	4 no. each
42	Single phase power factor meter	2
43	Frequency meter	2
44	Tong tester (Clipon meter)	2
45	Mill Voltmeter center zero 100-0-100 m volt	1
46	Spring balance 0 to 15kg and 0 to 2.5 kg.	1
47	Stop watch	1
48	Techno meter or revolution counter with stop watch	2 set
49	Scissors blade 150mm	1

49	Crimpling tools	1
50	Chilset cold flat 12mm	8
51	Mallet hard wood 0.50 kg	8 set
52	Hammer exetor type 0.40 kg with handle	
53	Hacksaw frame 200mm 300mm adjustable	8
54	Squire try 150 mm blade	8
55	Divider 150mm outside & inside calliper	3
56	Plier flat nose 100mm	4 no each
57	Plier Gas round nose 100mm	8
58	Plier Gas 150 mm	3 no each
59	Tweezer 100 mm	8
60	Snip straight 150 mm	8
61	Snip bent 150mm	8
62	Spanner DEWW Standard set	8
63	Drill band brace 0 to 100 mm	4
64	Drill S.S. Twist Block 3 mm 5mm 6mm set of 3	4
65	Plane, smoothing cutter 50mm	4
66	Guage wire imperial	4
67	File flat 200 mm 2nd cut	4
68	File half round 200 mm smooth	4
69	File half round 2nd cut	4
70	File round 200 mm smooth	4
71	File round 100 mm smooth	4
72	file flat 150 rough	4
73	file flat 250 mm smooth	4
74	File flat 250 mm bastard	4
75	Rasp half round 200 hastard	4
76	Iron soldering 225 grams 125 watt	4
77	Vice hand 50 mm jaw	4
78	Stock and dies conduit	4
79	Ammeter MC 0-25 ADC	8
80	Ammeter MC 0-5 ADC	4
81	DC energy meter 220 V 5A w/h or A/H type	1
82	AC voltmeter MI 0-500 V	1
83	AC Ammeter MI 0-25 A	1
84	AC Ammeter MI 0-5 A	2
85	AC energy meter (Single phase 5 amp 230 V) electriomagnet/digital type	2
86	Megger 500 Volts	2
87	Wheat Stone bridge complete with galvanometer and battery	2
88	Fan AC 230 Volt 1200 mm	2 no each
89	Fan DC 220 Volt 1200	1
90	Bath impregnating	1
91	Oven Stoving	1
92	Vice table Jaw 100 mm	1
93	Scienfific Calculator	1
94	Motor Generator set consisting of Motor induction cage, 7HP volts, 50 cycles, 3-phase with star delta starter and switch directly coupled to DC shunt generator 5 kw 440 volts and switch board mounted regulator air circuit break ammeter voltmeter knife blade switched and fuses set complete with case iron and plate fixing bolts foundation bolts and flexible bolts anf flexible cupling	1

95	Motor Generator set consisting of Motor induction cage, 5HP 440volts, directly coupled to generator AC 3.5 kva 400/230 volts 3 Phase 4 wire 0.3 PF 50 ccles with exeiter and switch board mounted regulator air circuit break ammeter voltmeter knife blade switched and fuses set complete with case iron and plate fixing bolts foundation bolts and flexible bolts anf flexibile cupling	1
96	Motor series DC 220 volt 0.5 to 2 HP	2
97	Motor shunt DC 220 Volt 2 to 3hp	1set
98	Motor of AC squriel cage 3 Phase 400 volt 50 cycles 2 to 3 HP with star delta starter	1set
99	Motor AC Phase wound slip ring 5hp 400 volt 3 phase 50 cycle with starter and switch	1
100	Motor DC componed wound 220 volt 2 to 3 HP with starter & switch	2
101	Motor AC single phase 230 volt 1 HP repulsion type complete with starter and switch	1
102	Motor AC single phase 230 volt 1 HP repulsion type complete with series type with starter and switch	1
103	Fire extingnisher	2
104	Fire buckets	1
105	Metal rack 180x150x45cm	1
106		2
107	Copper bite soldering 0.25 kg	2
108	Immersion heater 750/1000/1500 volt	4
109	Geyser 25 litre 240V (Storage type)	
110	Spring balance 0-1 starters	1
111	Laboratory type induction coil 6 volt to 800 - 10000 volt	2
112	Series balance 0-1 kg	2
113	Spring	1
114	Laboratory type induction coil 6 volt to 800 - 10000 volt	4
115	Series type Ohm meter 0-2000 approximate	1
116	Shunt type Ohm meter 0-25 approximate	4
117	3 Point DC starters	1
118	4 Point DC starters	1
119	Pipe cutter to cut pipes upto 5 cm dia	2
120	Cut out reverse current over load voltage relays	2
121		1
122	Stock and die set for 20mm to 50mm GI pipe Starters for 3 phase 400v 50cycles 2 to 5HP AC motors	1
123	a) Auto transformer type starter	1
124	b) Star delta starter with manual semi auto & automatic	10
125	Direct on line starter	3
126	Contract for star detla starter with timer	1
127	Motor AC series type 230V, 50 cycles 1/4 HP with starter and switch	2

128	Motor AC single phase 230 volt 50 cycles capacitor type with starter switch 1 HP	2
129	Electrical machine trainer Suitable for demonstrating the construction and functioning of different types of DC Machines and AC machines and AC machines (Single phase and three phase) should be complete with friction brake dynamometer, instrument panel and power supply units	1 no. each
130	Transformer three phase 5KVA 400/230 volts 50 cycles delta and star shell type oil cooled	1
131	Current transformer	1
132	Potential Transformer	1
133	D.C. shunt Generator, 2.5KW, 220V with control panel	1
134	Used DC Generator series shunt and compound type for overhauling practice	one no each
135	Single phase transformer 1kva, 1/1/2 kva 230v to 110v	1
136	DC shunt generator 2.5 KW 250 V with control panel including breaker rhostat voltmeater ammeter and circuit breaker	1
137	Variable auto transformer 0-250 V 5 amps	1
138	Diesel generator 5KVA with change over switch current circuit breaker water cooled with armature star delta connections	1
139	Oscilloscope	1
140	Function generator	8
141	Oil testing kit	1
142	Flux meter'	1
143	Stepper motor	1
144	Earth leakage ckt breaker	1
145	Desoldering gum	2
146	AC B 5 KVA	1 no. each
147	OCB 5 KVA	1
148	MCB 5 KVA	2
149	VCB 5 KVA	1 no. each
150	Thyrister drive 1 HP with techgenerator	10
151	Voltage stablizer mannual and automatic	1
152	Tool kit box (Instrument mechanic)	1
153	Screw driver set of six pices	33
154	Spanner Adjustable 100 mm	33
155	V bolck with Clamp	4
156	I Glass 75mm focus wath marker	1
157	Surface plate 300x300mm	2
158	Electrical Soldering Iron	
159	Vernier Caliper 300 mm	4
160	Micro meter out side 0-25mm	1
161	Tap set metric 5,6,8 10mm Set of 3	1
162	Reamer Parllel 1/16 to 1/4" set of 7	1
163	Twist Drill SS 1/16 to 1/2	1
164	Flaring tool kit upto 200 mm	1
165	Combnation Set	2
166	dial Test indicator in mm	3
167	Radius Gaguge Leaf Type 1-15mm	1
168	Standard Wire gauge	2
169	Watt hour meter 5kw electronic type	2

170	Multimeter digital 4.5 Digit	33
171	Calibraion for testing AC / DC ameter and volt meter	1
172	Tester for testing watt hour meter	1
173	Pitoe tube flow meter	1
174	Orific type flow meter	1
175	Static pressure level meter	1
176	Thermocouple type pyro meter with milli bolt meter with different therocouple meter	2
177	Instructor Chair with arm	2
178	Instructor Table 1200x760x760mm	1
179	Steel stool 300x300x450mm	32
180	Discussion table 3000x1200x760 mm	2
181	Work bench 300x1200x760mm	2
182	Steel Almirah 1980x900x450	6
183	Steel locker 8 compartment	4
184	Steel rack 4 selves	4
185	Book shelf	6
186	Black bord with stand	4
187	Rubber mat	4

List of Tools & Equipment of Advance Moudle -Mechanical Maintenance

1	Almirah	4
2	Almirah (6 Pie gear)	2
3	Almirah 12 Piegeon	3
4	Micro Meter (0-25) mm	4
5	Micro Meter (25-50) mm	2
6	Micro Meter (50to75) mm	2
7	Micro Meter (75to100) mm	4
8	Micro Meter (0-1")	4
9	Micro Meter (1"-2")	2
10	Micro meter (2" - 3")	2
11	Micro meter (3" - 4")	9
12	Vernier Caliper - 12"	1
13	Vernier Micrometer (0-25)	1
14	Vernier Micrometer (0-11")	1
15	Depth Micrometer	1
16	Dial Micro meter	4
17	vernier hight gauge	1
18	Surface plate - 24" x 24"	1

19	Marking table 3"x21/2"x2"	2
20	Anvil - 20kg	2
21	Swage Block (1/2 x 1x1/2)	1
22	Sore gauge	3
23	Vernier Beval Protractor	3
24	Combination Set	2
25	Sine Bar 12"	2
26	Dialtest Indicator	1
27	Slip Guage	1
28	Angle Gauge Block	2
29	Surface gauge (magnatic base)	4
30	Surface gauge (universal)	1
31	Gear tough Micro meter	8
32	Screw pitch gauge metric	8
33	Crew pitch gauge BSW	1
34	Filler gauge	1
35	Fillet gauge	1
36	Fillet Gauge	8
37	Wire Gauge	8
38	DES Spanner set	8
39	Ring Spanner set	2
40	Adjustable wrench 12"	8
41	Chain wrench	1
42	Allenkey Set	1
43	Drill Bit (mm) Size (PS) 01 MM to 16 Mm rang of 5mm	1
44	Drill Bit (Taper Shama) MM Size lowest to 32 page of 1/32	1
45	Reamer Expainssion	1
46	Tapset dier (metric)	1
47	Tapset & Die set (BSP)	1
48	Tap & Die set (BA)	1
49	File Flat Basterd 0 12"	4
50	File Flat smooth 8"	4
51	File Round Basted 12"	4
52	File half round basted 12"	4
53	File half round smooth 8"	4
54	Squre file smooth 10"	4
55	File trangular smooth 10"	4
56	Middle File Set	2
57	Center Punch	4
58	Dot Punch	8
59	Prick punch	4
60	Hammer ball pane 11/2 lbs	4
61	Hammer ball pane 2 lbs	4
62	Hammer ball pane 1/2 lbs	4
63	Right angle 12"	8
64	out side caiper	4
65	Inside caiper	16
66	oddleg caliper	16
67	Dividered	16
68	Screw Driver Heavey duty	16
69	Combination Plier	8
70	Nose Plier	8
71	Vice 6" jaw	8
72	Screw Driver light duty 8"	8
73	Screw Driver set	8
74	Pulley puller light duty	2
75	Pully Puller heavy duty	2

76	Chisel hot set	8
77	chisel cold set	8
78	Scraper 4" (T Lat)	8
79	Tramel	2
80	V Block (Magnatic)	4
81	Angle Plat 8"	4
82	C" clam P	4
83	Teleopic gauge	2
84	Drill angle gauge	4
85	center gauge	8
86	chair	1
87	table	1
88	Duel Desk Sigle Seated	32
89	Working bench	4

List of Tools & Equipment of Advance Moudle Referegeration & Air Conditioning

1	Flaring tool set, single type for tube 4.7 to 16 mm OD	32
2	Swaging tool, punch type, set of size, for tube 4.7 to 16mm OD	32
3	Bending spring external type, for cu tube OD 6.4 to 16 MM	32
4	Pipe cutter miniature for cu tube 3 to 16 mm Dia	32
5	Pinch off tool for cu tube 6 to 18 mm	32
6	Pinch off Plier for cu tube 6 to 19 mm	32
7	Ratchet spanner 6.4 mm sq. reversible	32
8	Valve key T handle 4.7 & 6.4 mm sq.	8
9	Pressure gauge, Dia. 63mm with recalibration set screw, o to 35 kg/sq cm	4
10	Compound gauge, Dia. 63mm with recalibration set screw, pressure 15 kg/sq cm cuum 76 mm	4
11		32
	Gas leak detector for halogen gas electronic	
12	Line tester 500v heavy duty	32
13	Punch hole for cutting gasket 4.7 to 16mm Dia	8
14	Scissor for gasket cutting 250 mm long	32
15	L-Allen key set 1.5 to 6.4 mm	4
16	T-Allen key set 5/32" & 1/8"	4
17	Screw driver plastic handle 6x150 mm	32
18	Screw driver plastic handle 10x250 mm	16
19	Insulated combination pliers 200 mm	32
20	Adjustable wrench 250mm	32
21	Engineers steel rule 300mm	32
22	Engineers try square 200mm	32
23	Chisel flat 25x150 mm	32
24	Divider spring joint 150 mm	32
25	Caliper out side spring joint 150 mm	32
26	Caliper in side spring joint 150 mm	32
27	Spanner set double ended 4.7to16mm	8
28	Ring spanner set 4.7 to 16 mm	8
29	Philip screw driver set	8
30	Oil cane Pressure type ½ lit.	8
31	Measuring tape 2m 4	8
32	Hammer ball pein 450gm with handle	17
33	Hammer plastic 300 gm	8
34	File flat double cut 200 mm	12
35	File half round double cut 200 mm	8
36	Caliper odd leg spring joint 150 mm	8
37	Centre punch 8x100 mm	32
38	Bench vice 100 mm jaw	16
39	Flaring tool set, double type for tube 4.7 to 16 mm OD.	2
40	Swaging tool, screw type with adaptor, set of size, for tube 4.7 to 16 mm OD	2
41		2
	Pipe Bending tool set lever type with degree indicator for cu tube OD6.4 to16MM01	
42	Platform scale heavy duty 0 to 50 kg.	2
43	Refrigerant cylinder 30kg	2

44	Vacuum pump, two stage, self contained With motor, portable, final vac. 0.1 micron with gas ballistic valve, splash reducing non return valve cap 1/2 HP	1
45	Charging cylinder SS portable cc & mm scale compensation for vol. fluctuation	1
46	Charging manifold with valves & gauges	1
47	Dial thermometer remote control dial- 75MM, - 55 c to + 50 c	2
48	Electronic leak detector tangesterised With visible and audible indicator	1
49	Vacuum thermocouple gauge 1-3000mic	1
50	Stop watch	1
51	Filler gauge 0.05 to 1.0mm	1
52	Instrument screw driver set	1
53	Flexible box spanner set 6.4 to 10 mm	1
54	Socket set reversible ratchet 1/2 sq. drive with extension 4.7 to 31.3 mm	1
55	Torque wrench 300mm 12.7sq. drive	1
56	Blow lamp cap. 1 lit.	2
57	Puller 3 leg with flexible arm 120mm	2
58	Puller 2 leg with flexible arm 300 mm	2
59	Spirit level metallic 200 mm	1
60	Snipper sheet metal straight nose 200mm	2
61	File square double cut 150mm	6
62	V block with clamp 75 mm	2
63	Micrometer out side 0 to 25 mm	2
64	Vernier height gauge 250 mm	2
65	Tap set with matching drills 3 to 16 mm	1
66	Tap set with matching drills 1/4 " to 5/8 " mm	1
67	Stock & die set 3 to 16 mm	2
68	Gas Cylinder trolley two wheel type	2
69	Pedestal grinder double ended wheel Dia 200mm & 3000rpm.	2
70	Air compressor two stage for oil less dry air with rust proof tank assembly, heater & controls max pr. 10kg/cm2 cap 45 lit 1Hp motor	1
71	Refrigerator compression type 165 lit	1
72	No frost refrigerator compression type 165 lit	1
73	Deep freezer 165lit,-180C, 1/4 HP	1
74	Water Cooler storage type	1
75	Air cooler 16" fan size ss body	1
76	Desert cooler 20" fan size	1
77	Window air conditioner cap-3000k cal/hr	1
78	Split air conditioner cap-2000k cal/hr	1
79	Fire extinguisher	2
80	Fire bucket on stand	4
81	Respiration chart	1
82	Reciprocating compressor with provision of capacity control etc for demonstration	1
83	Cold storage plant complete with all controls & accessory including cooling tower & ater treatment plant cap 15000k cal/hr	1

84	Ice candy unit complete with ss tank, mould Box, thermo Cole insulated sun mica body. Agitator compressor, motor pipe fitting etc. 3000k cal/hr	1
85	Air conditioning plant, direct & indirect, water Chiller complete with all controls including Humidity control etc. cap 15000k cal/h	1
86	Working model of vapor absorption system Or refrigeration cap 1500k cal/hr	1
87	Condenser, evaporator, receiver, metering device & hose pipe etc 1Set	1
	SPARE PARTS / ACCESSORIES	
89	1 RELAYS	4
90	2 Capacitors	4
91	3 Over load protectors	4
92	4 Selector switch	4
93	5 Thermostatic switch	4
94	6 Flare fitting	2
95	7 Expansion valve-thermostatic/automatic	6
96	8 Solenoid valve	2
97	9 High pressure/ low pressure cut out 2	2
98	10 Oil failure switch	2
99	11 Liquid indicator	2
	Gas welding equipments	
1	Goggle pair welder type	32
2	Spark lighter	32
3	Pressure regulator oxygen double stage	5
4	Pressure regulator oxygen double stage	5
5	Out fit spanner	6
6	Rubber hose clip	100
7	Spindle key for opening	6
8	Trolley for cylinder	2
9	Welding torch tips assorted for alive set	5
10	Cutting torch oxy acetylene with cutting & gauging tips	2
11	Gas welding tables 1200x920x600 mm Fire bricks on stand with petitioners	5
12	Tip cleaner	8
13	Rubber hose pipe black & red 8mm (each) 3 mt each	
14	Oxygen cylinder empty	1
15	Acetylene cylinder empty	1
16	Hack saw frame 300 mm	2
17	Chisel cold flat 25x125mm	32
18	Tongs holding 300 mm	6
	Work shop Furniture	
1	Instructor table	1
2	Instructor chair with arm	1
3	Steel Stool 300x300x450 mm	32
4	Desk	32
5	Steel Almirah	5
6	Steel Locker	3
7	Steel Rack 4 Self	3
8	Black board with stand	1
9	Work Bench 1800x1200x760 mm	1
10	Books shelf 3 drawer	1

