

HOUSE WIRING AND ELECTRICAL APPLIANCES REPAIRING (601/701)

The institutions having the following requisite infrastructure, may apply for accreditation:

A. Classroom :

Classroom for 25 students (minimum area 225 sq.ft.) Should have proper ventilation, well-illuminated black board/white board and availability of adequate furniture and ceiling fans

B. Workshop :

The size of workshop for 25 students should be at least 25ft. x 20 ft. with adequate lighting, exhaust and ceiling fans.

C. Faculty and Supporting Staff :

Faculty & Supporting Staff	Educational/Professional Qualification	No.
Coordinator	Degree/Diploma in appropriate branch with 5 years experience	01
Instructor	Diploma in electrical engineering of ITI Certificate in electrical trade with 2yrs experience	01
Receptionist cum clerk	Relevant to job	01
Assistant	Relevant to job	01

D. List of Tools and Equipment :

Sl. No	Tools	Quantity	Sl. No	Tools	Quantity
1.	Plier insulated 150mm	5-10 set	19	Drill S.S. Twist 3mm, 5mm, 6mm	5-10 set
2.	Screw Driver 150mm	5-10 set	20	File (flat) 200 mm 2 nd cut	5-10 set
3.	Electrician Knife	5-10 set	21	File (round) 200mm 2 nd cut	5-10 set
4.	Neon Tester	5-10 set	22	File (half round) 200mm 2 nd cut	5-10 set
5.	Electrician connector screwdriver	5-10 set	23	Soldering Iron 125watts	5-10 set
6.	Heavy duty screw driver 200mm	5-10 set	24	Soldering Iron 65watts	5-10 set

7.	Electrician screw driver 250mm	5-10 set	25	BenchVice100 mm Jaw	5-10 set
8.	Saw Tenon 250mm	5-10 set	26	Hacksaw plug tool set 8 to 4No.	5-10 set
9.	Firmer Chisel12mm	5-10 set	27	Rawal Plug tool set 8to4No.	5-10 set
10.	Poker	5-10 set	28	Cold chisel 12mm x 200 mm flat	5-10 set
11.	Plier flat Nose1 50mm	5-10 set	29	Hand drill machine 0 to 6mm capacity	5-10 set
12.	Centre Punch150 mm x 9mm	5-10 set	30	Trisquare150mm	5-10 set
13.	Electric drill machine (portable) 12mm capacity	5-10 set	31	Pipe vice 50mm	5-10 set
14.	Oil Cane 0.12 liter	5-10 set	32	Pipe wrench 0-50mm	5-10 set
15.	Grease Gun(small)	5-10 set	33	Ball pin hammer 100gm, 500gm &1kg.	5-10 set
16.	Standard wire gauge	5-10 set	34	Hand drill machine	5-10 set
17.	Barring Puller	5-10 set	35	Micrometer 0-100mm	5-10 set
18.	Scissors150 mm blade	5-10 set			

List of Instruments and Equipment

Sl. No	Instruments & Equipment	Qty.	Sl. No	Instruments & Equipment	Qty.
1.	Ammeter 0-1, 0-3, 0-5, 0-10 &0-30amps	2 each	13.	A.C. Cooler pump motor	1
			14.	A.C. Mixer motor	1
2.	Voltmeter 0-600V MI &Voltmeter 0-500 V MC	1+1	15.	A.C.Monoblock pump 2800 R.P.M. ½H.P./One H.P.	1
			16.	Hair Drier	1
3.	Mugger (Insulation tester)500V	1	17.	O.T.G-One	1
4.	Multimeter (digital)	1			
5.	Heater-ordinary one K.W. & Room Heater Rod Type	2+2			
			18.	Charge over switch(Manual)	1

	one K.W.		19.	Charge over switch (Automatic)	1
			20.	Installation inverter	1
6.	Electric Iron (Automatic with open element) 220V-750watts	2	21.	Washing machine (Manual)	1
7.	Electric Iron steam 220V-1000watts	2	22.	Generator	1
8.	Electric toaster (ordinary)	2	23.	Alternator	1
9.	Geyser (storage) 2KW	1	24.	Clip on Meter Digital 0-200Amp.	1
10.	Kettle ordinary 500 watts Kettle automatic 1000 watts	1+1	25.	Water Meter Single phase 1KW-220V	1
11.	Heat Convector 220 volts 1000 watts	1+1	26.	Single Phase energy meter (K.W.H.) 5-10Amp. 220V	1
12.	Voltage stabilizer– 1. Automatic Single phase transformer step up Single phase transformer step down 2. Three phase transformer step up Three phase transformer step down	2 each	27.	Three phase energy meter (3phase 4wire) 10-20Amp. 440V	1

E. Physical Facilities :

The institution should have the facilities for Drinking water, bathrooms & toilets.

F. Library :

Library should have a minimum 20 books/ articles/ magazines etc. in related subject.

G.

Batch Size :

Maximum 25 students in one batch. An institution can run maximum 4 batches for this course.