

**GOVERNMENT I.T.I (GIRLS), VENKATESWARAPURAM, NELLORE**

**S.P.S.R.NELLORE (DISTRICT)**

**Available Electrician Trade machinery / Equipment (As per Syllabus)**

**A. TRAINEES TOOL KITS:**

S.No.	Name of the Tools/Equipment/Machinery	Quantity per Unit	No. of Units	Total Quantity
1	Measuring Steel Tape 5 meter	21 Nos.	4 (2+2) Units	84 No's
2	Combination Plier Insulated 200 mm	21 Nos.	4 (2+2) Units	84 No's
3	Screw Driver Insulated 4mm X 150 mm, Diamond Head 4mm X 150 mm, Diamond Head	21 Nos.	4 (2+2) Units	84 No's
4	Screw Driver Insulated 6mm X 150 mm	21 Nos.	4 (2+2) Units	84 No's
5.	Electrician screw driver thin stem insulated handle 4mm X 100 mm	21 Nos.	4 (2+2) Units	84 No's
6	Heavy Duty Screw Driver insulated 5mm X 200 mm	21 Nos.	4 (2+2) Units	84 No's
7.	Electrician Screw Driver thin stem insulated handle 4mm X 250 mm	21 Nos.	4 (2+2) Units	84 No's
8	Punch Centre 9mm X 150 mm	21 Nos.	4 (2+2) Units	84 No's
9	Knife Double Bladed Electrician 100 mm	21 Nos.	4 (2+2) Units	84 No's
10	Neon Tester 500 V	21 Nos.	4 (2+2) Units	84 No's
11.	Steel Rule Graduated both in Metric and English Unit 300 mm with precision of 1/4th mm	21 Nos.	4 (2+2) Units	84 No's
12	Hammer, cross peen with handle 250 grams	21 Nos.	4 (2+2) Units	84 No's

**B. SHOP TOOLS & EQUIPMENT**

S.No.	Name of the Tools/Equipment/Machinery	Quantity per Unit	No. of Units	Total Quantity
13	Hammer, ball peen With handle 500 grams	4 Nos.	4 (2+2) Units	4 Nos.
14	Pincer 150 mm	4 Nos.	4 (2+2) Units	4 Nos.
15	C- Clamp 200 mm and 100 mm	2 Nos. each	4 (2+2) Units	2 Nos. each
16	Spanner Adjustable drop forged, SS 150 mm & 300mm	2 Nos. each	4 (2+2) Units	2 Nos. each
17	Blow lamp brass 0.5 ltr	1 No.	4 (2+2) Units	1 No.
18	Chisel Cold 25 mm X 200 mm	2 Nos.	4 (2+2) Units	2 Nos.
19	Chisel firmer with wooden Handle 6 mm X 200 mm	2 Nos.	4 (2+2) Units	2 Nos.
20	Allen Key alloy steel 1.5-10 mm (set of 9)	1 Set	4 (2+2) Units	1 Set
21	Grease Gun 0.5 ltr. Capacity	1 No	4 (2+2) Units	1 No
22	Bradawl	2 Nos.	4 (2+2) Units	2 Nos.
23	Pully Puller with 3 legs 150 mm & 300mm	1 each	4 (2+2) Units	1 each
24	Bearing Puller (inside and outside) 200 mm	1 No. each	4 (2+2) Units	1 No. each
25.	Pipe vice Cast Iron with hardened jaw open type 100 mm	2 Nos.	4 (2+2) Units	2 Nos.
26	Scissors blade, SS 200mm	4 Nos.	4 (2+2) Units	4 Nos.
27	Scissors blade, SS 150 mm	2 Nos.	4 (2+2) Units	2 Nos.
28.	Crimping Tool 16 sq mm to 95 sq mm,	2 Nos.	4 (2+2) Units	2 Nos.
		2 Nos.	4 (2+2) Units	2 Nos.
29	Wire Cutter and Stripper 150 mm	4 Nos.	4 (2+2) Units	4 Nos.
30	Mallet hard wood 0.50 kg	4 Nos.	4 (2+2) Units	4 Nos.
31	Hammer Extractor type 250 grams	4 Nos.	4 (2+2) Units	4 Nos.
32.	Hacksaw frame Adjustable 300 mm,Fixed 150 mm	2 Nos. each	4 (2+2) Units	2 Nos. each
33	Try Square 150 mm blade	4 Nos.	4 (2+2) Units	4 Nos.
34	Outside Calliper 150 mm spring type	2 Nos.	4 (2+2) Units	2 Nos.
35	Inside Calliper 150 mm spring type	2 Nos.	4 (2+2) Units	2 Nos.

S.No.	Name of the Tools/Equipment/Machinery	Quantity per Unit	No. of Units	Total Quantity
36	Divider 150 mm spring type	2 Nos.	4 (2+2) Units	2 Nos.
37	Pliers long nose insulated 150 mm	4 Nos.	4 (2+2) Units	4 Nos.
38	Pliers flat nose insulated 200 mm	4 Nos.	4 (2+2) Units	4 Nos.
39	Pliers round nose insulated 100 mm	4 Nos.	4 (2+2) Units	4 Nos.
40	Tweezers 150 mm	4 Nos.	4 (2+2) Units	4 Nos.
41	Snip Straight and Bent heavy duty 250 mm	2 Nos. each	4 (2+2) Units	2 Nos. each
42	D.E. metric Spanner Double Ended 6 - 32 mm	2 Set	4 (2+2) Units	2 Set
43	Drill hand brace 0-100mm	4 Nos.	4 (2+2) Units	4 Nos.
44	Drill S.S. Twist block 2 mm, 5 mm and 6 mm set of 3	4 Set	4 (2+2) Units	4 Set
45	Plane cutters 50 mm X 200mm	2 Nos.	4 (2+2) Units	2 Nos.
46	Smoothing cutters 50 mm X 200mm	2 Nos.	4 (2+2) Units	2 Nos.
47.	Gauge, wire imperial stainless steel marked in SWG & mm Wire Gauge - Metric	4 Nos.	4 (2+2) Units	4 Nos.
48	File flat 200 mm 2nd cut with handle	8 Nos.	4 (2+2) Units	8 Nos.
49	File half round 200 mm 2nd cut with handle	4 Nos.	4 (2+2) Units	4 Nos.
50	File round 200 mm 2nd cut with handle	4 Nos.	4 (2+2) Units	4 Nos.
51	File flat rough 150 mm with handle	4 Nos.	4 (2+2) Units	4 Nos.
52	File flat bastard 250 mm with handle	4 Nos.	4 (2+2) Units	4 Nos.
53	File flat smooth 250 mm with handle	4 Nos.	4 (2+2) Units	4 Nos.
54	File Rasp, half round 200 mm bastard with handle	4 Nos.	4 (2+2) Units	4 Nos.
55	Copper bit soldering iron.0.25 kg	2 Nos.	4 (2+2) Units	2 Nos.
56	De soldering Gun Heat proof nozzle, PVC type, 250mm	4 Nos.	4 (2+2) Units	4 Nos.
57	Hand Vice 50 mm jaw	4 Nos.	4 (2+2) Units	4 Nos.
58	Table Vice 100 mm jaw	8 Nos.	4 (2+2) Units	8 Nos.
59	Oil Can 250 ml	2 Nos.	4 (2+2) Units	2 Nos.
60	Contactors & auxiliary contacts 3 phase, 415 Volt, 25 Amp with 2 NO	2 Nos. each	4 (2+2) Units	2 Nos. each
61	Contactors & auxiliary contacts.3 phase, 415 volt, 32 Amp with 2 NO	2 Nos. each	4 (2+2) Units	2 Nos. each
62	Limit Switch Limit Switch, Liver operated 2A 500v, 2-contacts	2 Nos.	4 (2+2) Units	2 Nos.
63	Rotary Switch 16 A/440v	2 Nos.	4 (2+2) Units	2 Nos.
64	Relay-a. Cut out Relays b. Reverse current c. Over current d. Under voltage a. 16A, 440V b. 16A, 440V c. 16A, 440V d. 360V-440V	2 No. each	4 (2+2) Units	2 No. each
65	Pin Type, shackle type, egg type & suspension type insulators including hardware fitting	2 Nos. each	4 (2+2) Units	2 Nos. each
66	Hydrometer	2 Nos.	4 (2+2) Units	2 Nos.
67	Hand Drill Machine 0-6 mm capacity	2 Nos.	4 (2+2) Units	2 Nos.
68.	Portable Electric Drill Machine 0-12 mm capacity 750w, 240v with chuck and key	1 No.	4 (2+2) Units	1 No.
69	Load Bank ( Lamp / heater Type) 6 KW, 3Ph	1 No.	4 (2+2) Units	1 No.
70.	Brake Test arrangement with two spring balance rating 0 to 25 kg	1 No.	4 (2+2) Units	1 No.
71	Laboratory Type Induction Coil 1000 W	2 Nos.	4 (2+2) Units	2 Nos.
72	Out Side Micrometer 0 - 25 mm least count 0.01mm	2 Nos.	4 (2+2) Units	2 Nos.
73	Thermometer Digital 0° C - 150° C	1 No.	4 (2+2) Units	1 No.
74	Series Test Lamp 230V, 60W	4 Nos.	4 (2+2) Units	4 Nos.
75.	Knife Switch DPDT fitted with fuse terminals 16 Amp	4 Nos.	4 (2+2) Units	4 Nos.

S.No.	Name of the Tools/Equipment/Machinery	Quantity per Unit	No. of Units	Total Quantity
76.	Knife Switch TPDT fitted with fuse terminals 16 Amp/ 440 V	4 Nos.	4 (2+2) Units	4 Nos.
77	Miniature Breaker16 amp	2 Nos.	4 (2+2) Units	2 Nos.
78.	Earth Plate 60cm X 60cm X 3.15mm Copper Plate	1 Each	4 (2+2) Units	1 Each
79.	Earth Electrode Primary Electrode 2100x28x3.25mm Secondary Cu Strip 20x5mm	1 No.	4 (2+2) Units	1 No.
80	MCCB100Amps, Triple pole	1 No.	4 (2+2) Units	1 No.
81.	ELCB and RCCB double pole, IΔn 30 Ma	1 Each	4 (2+2) Units	1 Each
82	Fuses HRC	4 Each	4 (2+2) Units	4 Each
83.	Rheostat (Sliding type) Glass Rewire Type	1 No. each	4 (2+2) Units	1 No. each
84.	Capacitors 0 - 25 Ohm, 2 Amp 0 - 300 Ohm, 2 Amp 0 -1 Ohm, 10Amp 0 -10 Ohm, 5 Amp	2 Each	4 (2+2) Units	2 Each
85.	Various Electronic components Electrolytic Ceramic Polyester film VariableDual run	As required	4 (2+2) Units	As required
86.	Various LampsResistors, Diode, Transistor, UJT, FET, SCR, DIAC, TRIAC, IGBT, Small transformer etc.	1 Each	4 (2+2) Units	1 Each
87.	Plug socket, Piano Switch, Lamp Holder Halogen Incandescent Lamp Fluorescent tube HP mercury vapor Lamp High-pressure sodium Lamp Low-pressure sodium Lamp LED	2 Each	4 (2+2) Units	2 Each
88.	Cables : Twisted Pair, Non-Metallic Sheathed Cable, Underground Feeder Cable, Ribbon Cable, Metallic Sheathed Cable, Multi-Conductor Cable, Coaxial Cable, Direct-Buried Cable 230 V, 5 A	1 Each	4 (2+2) Units	1 Each
89	Bus bar with brackets 1 mtr each	3 Nos.	4 (2+2) Units	3 Nos.
90	Rubber mat1 mtr each 2' x 4' x 1"	2 Nos.	4 (2+2) Units	2 Nos.
91	Electrician Helmet Yellow Colour	2 Nos.	4 (2+2) Units	2 Nos.
92.	RCC Pole with accessories (MS angle iron, 'C' clamp, stay insulator etc.) and materials	1 No.	4 (2+2) Units	1 No.
93	Safety Belt Standard quality	2 Nos.	4 (2+2) Units	2 Nos.
94.	Ohm Meter; Series Type & Shunt Type ,portable box type 50/2000-ohm analog	2 Nos. each	4 (2+2) Units	2 Nos. each
95.	Digital Multi MeterDC 200mv -1000v,0 – 10A & AC 200mv- 750v , 0-10A, resistance 0-20 MΩ and 3 1/2 digit	10 Nos.	4 (2+2) Units	10 Nos.
96.	A.C. Voltmeter M.I. analog, portable box type housed in Bakelite case Multi range 75 V - 150V - 300V - 600V	3 Nos.	4 (2+2) Units	3 Nos.
97.	Milli Voltmeter centre zero analog, portable box type housed in Bakelite case 100 – 0 – 100 mV	2 Nos.	4 (2+2) Units	2 Nos.
98.	Ammeter MC analog, portable box type housed in Bakelite case 0 - 500 mA, 0-5 A, 0-25 A	2 Nos. each	4 (2+2) Units	2 Nos. each
99.	AC Ammeter MI, analog, portable box type housed in Bakelite case 0 - 1 A, 0-5 A, 0-25 A	2 Nos. each	4 (2+2) Units	2 Nos. each
100.	Kilo Wattmeter Analog 0-1.5-3KW, pressure coil rating- 240v/440v, current rating- 5A/10A Analoge, portable type Housed in bakelite case	2 Nos.	4 (2+2) Units	2 Nos.

S.No.	Name of the Tools/Equipment/Machinery	Quantity per Unit	No. of Units	Total Quantity
101.	Digital Wattmeter 230 V, 1 KW, 50 Hz	2 Nos.	4 (2+2) Units	2 Nos.
102.	A.C. Energy Meter Single Phase, 10 A, 240 V induction type	2 Nos.	4 (2+2) Units	2 Nos.
103.	A.C. Energy Meter Three Phase, 15 A , 440 V induction type	2 Nos.	4 (2+2) Units	2 Nos.
104.	Power Factor Meter Digital 440 V, 20 A, Three Phase portable box type	2 Nos.	4 (2+2) Units	2 Nos.
105	Frequency Meter 45 to 55 Hz	2 Nos.	4 (2+2) Units	2 Nos.
106	Magnetic Flux Meter 0-500 tesla	2 Nos.	4 (2+2) Units	2 Nos.
107.	Lux meter lux meter LCD read out 0.05 to 7000lumens with battery.	2 Nos.	4 (2+2) Units	2 Nos.
108	Tachometer Analog Type - 10000 RPM	1 No.	4 (2+2) Units	1 No.
109.	Tachometer Digital Photo Sensor Type - 10000 RPM	1 No.	4 (2+2) Units	1 No.
110	Tong Tester / Clamp Meter 0 - 100 A (Digital Type)	2 Nos.	4 (2+2) Units	2 Nos.
111	Megger Analog - 500 V	2 Nos.	4 (2+2) Units	2 Nos.
112	3- point D.C. Starter For 2.5 KW DC motor	1 No.	4 (2+2) Units	1 No.
113	4- point D.C. Starter For 2.5 KW DC motor	1 No.	4 (2+2) Units	1 No.
114.	Wheat Stone Bridge with galvanometer and battery	2 Nos.	4 (2+2) Units	2 Nos.
115	Single Phase Variable Auto Transformer 0 - 270 V, 10Amp (Air cooled)	2 Nos.	4 (2+2) Units	2 Nos.
116	Phase Sequence Indicator 3 Phase, 415 V	2 Nos.	4 (2+2) Units	2 Nos.
117.	Growler 230 V, 50 Hz, Single Phase, Adjustable jaws, Testing armature with ampere meter and testing probes	1 No.	4 (2+2) Units	1 No.
118.	AC Starters: -a. Resistance type starter b. Direct on line Starter c. Star Delta Starter- Manual d. Star Delta Starter – Semi automatic e. Star Delta Starter – Fully automatic f. Star Delta Starter - Soft starter g. Auto Transformer type For A.C Motors of 2 to 5 H.P.	1 No. each	4 (2+2) Units	1 No. each
119	Oscilloscope Dual Trace 20 MHz	1 No.	4 (2+2) Units	1 No.
120.	Function Generator 2 to 200 KHz, Sine, Square, Triangular 220 V, 50 Hz, Single Phase	1 No.	4 (2+2) Units	1 No.

Sl.No.	Name of the Tools/Equipment/Machinery	Quantity per Unit	No. of Units	Total Quantity
121.	Soldering Iron 25 Watt, 65 Watt and 120 Watt, 230 Volt	2 Nos. each	4 (2+2) Units	2 Nos. each
122.	Temperature controlled Soldering Iron 50 Watt, 230 Volt	2 Nos.	4 (2+2) Units	2 Nos.
123.	Discrete Component Trainer Discrete Component (for diode and transistor circuit) with regulated power supply +5,0- 5 V,+12 ,0-12 V	2 Nos.	4 (2+2) Units	2 Nos.
124.	Linear I.C. Trainer Linear I.C. Trainer with regulated power supply 1.2V to 15V PIC socket 16pin and 20 pin with bread board	1 No.	4 (2+2) Units	1 No.
125.	Digital I.C. Trainer Digital I.C. Trainer 7 segment display and bread board	1 No.	4 (2+2) Units	1 No.
126	<b>Domestic Appliances –</b>		4 (2+2) Units	
	a. Electric Induction plate. 1500 Watt, 240V	1 No. each	4 (2+2) Units	1 No. each
	b. Electric Kettle 1500 Watts, 240V		4 (2+2) Units	
	c. Electric Iron Automatic - 750 W, 240 V		4 (2+2) Units	
	d. Immersion Heater 1500 Watt, 240V		4 (2+2) Units	
	e. A.C. Ceiling Fan and AC Table Fan 68 Watt, 230 V		4 (2+2) Units	
	f. Geyser (Storage type) 10 liter		4 (2+2) Units	
	g. Mixture & Grinder 750 W, 240 V		4 (2+2) Units	
	h. Washing Machine Semi Automatic 5 Kg,		4 (2+2) Units	
	i. Motor Pump set 1 HP, 1 Phase, 240 V		4 (2+2) Units	

S.No.	Name of the Tools/Equipment/Machinery	Quantity per Unit	No. of Units	Total Quantity
127.	Oil Testing Kit 230 V, single phase 50 Hz 60 VA output 0-60 KV Variable	1 No.	4 (2+2) Units	1 No.
128.	Inverter with Battery 1 KVA with 12 V Battery Input- 12 volt DC, Output- 220 volt AC	1 No.	4 (2+2) Units	1 No.
129.	Voltage Stabilizer AC Input - 150 - 250 V, 600 VA AC Output - 240 V, 10 A	1 No.	4 (2+2) Units	1 No.
130	DC Power Supply 0 - 30 V, 5 A	2 Nos.	4 (2+2) Units	2 Nos.
131	Battery Charger 0 - 6 - 9 - 12 - 24 - 48 V, 30amp	1 No.	4 (2+2) Units	1 No.
132	Current Transformer 415 V, 50Hz, CT Ratio 25 / 5 A, 5VA	2 Nos.	4 (2+2) Units	2 Nos.
133.	Potential Transformer 415 V, 50Hz, PT Ratio, 440V/110V, 10VA	2 Nos.	4 (2+2) Units	2 Nos.
134	Solar panel with Battery 18 Watt	1 Set	4 (2+2) Units	1 Set
135.	Pentium IV Computer or latest 2.8 GHz & above, 1 GB RAM, 80 GB HDD, DVD Combo Drive, 19/21" Monitor, optical scroll mouse, multimedia key board, 32 bit LAN card with UPP port, necessary Drivers, etc. OR (Latest Version)	2 Nos.	4 (2+2) Units	2 Nos.
136	Ink jet/ laser printer	1 No.	4 (2+2) Units	1 No.

C. SHOP MACHINERY:

S.No.	Name of the Tools/Equipment/Machinery	Quantity per Unit	No. of Units	Total Quantity
137	D.C. Shunt Generator with control panel D.C. Shunt Generator with control panel, 2.5 KW, 220V & 3phase Squirrel cage Induction Motor, 5HP, 440V with control panel & star delta starter	1 No.	4 (2+2) Units	1 No.
138	Motor-Generator (AC to DC) Squirrel Cage Induction Motor with star delta starter and directly coupled to DC shunt generator and switch board mounted with regulator, air breaker, ammeter, voltmeter, knife blade switches and fuses, set complete with case iron and plate, fixing bolts, foundation bolts and flexible coupling. Induction Motor rating: 7.5 HP, 415V, 50 cycles, 3 phase. DC Shunt Generator rating: 5 KW, 440V (Output voltage varies 110-440v)	1 No.	4 (2+2) Units	1 No.
139	D.C. Compound Generator with control panel including fitted rheostat, voltmeter, ammeter and breaker D.C. Compound Generator with control panel including fitted rheostat, voltmeter, ammeter and breaker, 2.5 KW, 220V & 3phase Squirrel cage Induction Motor, 5HP, 440V, with control panel & star delta star	1 No.	4 (2+2) Units	1 No.
140	DC Series Motor coupled with spring balance load 2.5 KW, 220 Volts	1 No.	4 (2+2) Units	1 No.

S.No.	Name of the Tools/Equipment/Machinery	Quantity per Unit	No. of Units	Total Quantity
141	DC Shunt Motor 2.5 KW, 220 V	1 No.	4 (2+2) Units	1 No.
142	DC compound Motor with starter and switch 2.5 KW ,220 volts	1 No.	4 (2+2) Units	1 No.
143	Motor Generator(DC to AC) set consisting of - Shunt Motor with starting compensator and switch directly coupled to AC generator with exciter and switch board mounted with regulator, breaker, ammeter, voltmeter frequency meter, knife blade switch and fuses etc. Set complete with cast iron bed plate, fixing bolts, foundation bolts and flexible coupling. Shunt Motor rating : 5 HP, 440V AC Generator rating : 3-Phase, 4 wire, 3.5 KVA, 400/230 Volts, 0.8 pf, 50cycles	1 No.	4 (2+2) Units	1 No.
144	AC Squirrel Cage Motor with star delta starter and triple pole iron clad switch fuse with Mechanical Load. 5 HP, 3-Phase, 415 V, 50 Hz	1 No.	4 (2+2) Units	3 Nos.
145	AC phase-wound slip ring Motor with starter switch 5 HP, 440 V, 3 Phase, 50 Hz	1 No.	4 (2+2) Units	2 Nos.
146	Universal Motor with starter/switch 240 V, 50 Hz, 1 HP	1 No.	4 (2+2) Units	1 for 8 (4+4) Units
147	Synchronous motor with accessories like starter, excitation arrangements. 3 phase 3 hp 440v 50 hz 4 pole	1 No.	4 (2+2) Units	
148	Thyristor /IGBT controlled D.C. motor drive with tacho-generator feedback arrangement 1 HP	1 No.	4 (2+2) Units	1 No. per institute



S.No.	Name of the Tools/Equipment/Machinery	Quantity per Unit	No. of Units	Total Quantity
149	Thyristor/IGBT controlled A.C. motor drive with VVVF Control 3 Phase, 2 HP	1 No.	4 (2+2) Units	1
150.	Single phase Transformer, core type, air cooled 1 KVA , 240/415 V, 50 Hz	3 Nos.	4 (2+2) Units	1
151.	Three phase transformer, shell type oil cooled with Delta/ Star 3 KVA , 415/240 V, 50 Hz	2 Nos.	4 (2+2) Units	1 No.
152.	Electrical Machine Trainer –Suitable for demonstrating the construction and functioning of different types of DC machines and AC machines (single phase and three phase). Should be fitted with friction brake arrangement, dynamo meter, instrument panel and power supply unit	1 for 8 (4+4) Units	4 (2+2) Units	1 No.
153.	Diesel Generator Set with change over switch, over current breaker and water/ air-cooled with armature, star-delta connections AC 3 phase 7.5 KVA, 415 volt or higher rating	1 No. per institute	4 (2+2) Units	1 No.
154.	Used DC Generators-series, shunt and compound type for overhauling practice	1 No. per institute	4 (2+2) Units	1 No.
155	Pillar Electric Drill Machine Motorized 12-20 mm Capacity, 1HP, 440V, 3 phase, Induction Motor with DOL starter, Bench Type	1	4 (2+2) Units	1 No.
156	Motorised Bench Grinder 1 HP. 3 phase, 440V with DOL starter, Double side with smooth and rough wheel with Tool Base	1	4 (2+2) Units	1 No.
157	A.C. Series type Motor 1 HP, 240 V, 50 Hz	1 No.	4 (2+2) Units	1 No.
158	Single Phase Capacitor Motor with starter switch 1 HP, 240 V, 50 Hz	1 No.	4 (2+2) Units	1 No.
159	Manual Motor coil Winding Machine With step arbor	1 No.	4 (2+2) Units	4 Nos.
160	Ceiling fan coil Winding Machine 250V, 50 Hz, 1-Φ, with speed control	1 No.	4 (2+2) Units	1 No.
161	Primary current injection set 220V, 50 Hz, 1-Φ, output current - 200 A (min) with timer	1 No.	4 (2+2) Units	1 No.
162	Stepper Motor with Digital Controller	1 No.	4 (2+2) Units	2 Nos.
163	Shaded Pole Motor Fractional HP, 240 V, 50 Hz	1 No.	4 (2+2) Units	4 Nos.
164	Working Bench 2.5 m x 1.20 m x 0.75 m	4 Nos.	4 (2+2) Units	1 No.

D. SHOP FLOOR FURNITURE AND MATERIALS:

S.No.	Name of the Tools/Equipment/Machinery	Quantity per Unit	No. of Units	Total Quantity
165.	Wiring Board 3 meter x1 meter with 0.5 meter projection on the top	1 No.	4 (2+2) Units	1 No.
166	Instructor's table	1 No.	4 (2+2) Units	2 Nos.
167	Instructor's chair	2 Nos.	4 (2+2) Units	2 Nos.
168	Metal Rack 100cm x 150cm x 45cm	4 Nos.	4 (2+2) Units	4 Nos.
169.	Lockers with drawers	1 for Each Trainee	4 (2+2) Units	1 for Each Trainee
170	Almirah 2.5 m x 1.20 m x 0.5 m	1 No.	4 (2+2) Units	1 No.
171	Black board/white board (minimum 4X6 feet)	1 No.	4 (2+2) Units	1 No.
172	Fire Extinguisher CO2 2 KG	2 Nos.	4 (2+2) Units	2 Nos.
173	Fire Buckets Standard size	2 Nos.	4 (2+2) Units	2 Nos.
174	Computer (PC) with latest configurations and Internet connection with standard operating system and standard word processor and worksheet software	10 No's	4 (2+2) Units	10 No's
175	UPS - 500VA	10 No's	4 (2+2) Units	10 No's
176	Scanner cum Printer	1 No	4 (2+2) Units	1 No
177	Computer Tables	10 No's	4 (2+2) Units	10 No's
178	Computer Chairs	20 No's	4 (2+2) Units	20 No's
179	LCD Projector	1 No	4 (2+2) Units	1 No
180	White Board 1200mm x 900mm	1 No	4 (2+2) Units	1 No