

ANNEX 1

Tools needed for KC (Welding course and elctrotechnical technology course)

No	Item	Qty	Specification
1	Wire stripper	4	
2	Wire scissor	4	
3	Clamp meter	4	Need Specification from KC
4	Multimeter	2	Need Specification from KC
5	Utility khine blade	12	
6	Neon tester screwdriver small	10	
7	Electric earth tester	1	Need Specification from KC
8	Screw driver drill machine - code less	4	Need Specification from KC
9	Screw driverdrill bit - philips	4	Need Specification from KC
10	Welding plant AC200 or AC300 - 300Amp	4	AC200 or AC300 – 300Amp
11	Welding mask	24	
12	Air compressor 0.8MP tank 50L 2HP	1	
13	Welding rod holder	10	
14	Welding earth holder	10	
15	Welding magnets 4" 50lbs	8	4 inch / 50lbs
16	Metal driver 6"	8	6 inches
17	Metal scribe 7"	8	7 Inches
18	Angle gauge metal	8	
19	Table vise 6"	6	6 inch
20	Flexible Conduit 20mm	2	20mm sq
21	Conduit pipe 25mm	10	25mm
22	Electric wire - red roll 2.5mm	1	2.5mmsq
23	Electric wire - yellow roll 2.5mm	3	2.5mmsq
24	Electric wire - blue roll 2.5mm	4	2.5mmsq
25	Electric wire - black roll 2.5mm	4	2.5mmsq



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26	Electric wire - green roll 2.5mm	2	2.5mmsq
27	Electric wire - red roll 1.5mm	4	1.5mmsq
28	Electric wire - yellow roll 1.5mm	4	1.5mmsq
29	Electric wire - blue roll 1.5mm	4	1.5mmsq
30	Electric wire - black roll 1.5mm	3	1.5mmsq
31	Electric wire - green roll 1.5mm	4	1.5mmsq
32	Flexible cable roll 2.5mm / 3 core	2	2.5mm / 3 core
33	Flexible cable roll 2.5mm / 4 core	2	2.5mm / 4 core
34	Self-tappind screw 2x7	80	2x7
35	Self-tappind screw 1x7	120	1x7
36	Circuit breaker (ABB) 6A - Single pole	24	6A - Single pole
37	Circuit breaker (ABB) 10A - Single pole	24	10A - Single pole
38	Circuit breaker (ABB) 16A - Single pole	10	16A - Single pole
39	Circuit breaker (ABB) 32A - Single pole	8	32A - Single pole
40	Circuit breaker MCB (ABB) 32A - Two pole	8	32A - Two pole
41	Circuit breaker MCB (ABB) 63A - Three pole	8	63A - Three pole
42	ELCB (ABB) 40A - Two pole	8	40A - Two pole
43	ELCB (ABB) 63A - Four pole	8	63A - Four pole
44	Switch four gang - one way	8	four gang - one way
45	Switch three gang - two way	12	three gang - two way
46	Intermediate switch	8	
47	Fan dimmer - two way	12	two way
48	Fan dimmer - one way	12	one way
49	Bulb holder (screw type)	20	screw type
50	Bulb - Filament 100W - screw type	40	100W - screw type
51	Bulb - Filament 60W - screw type	40	60W - screw type
52	Bulb - LED 7W - screw type	40	7W - screw type
53	Cable connector pair	40	
54	Fluorescent light complete 10W	8	10W



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55	LDR	8	
56	PVC electric cable duct fittings 25mm 4 way	30	25mm - Four way
57	Welding gloves	24	
58	Motion sensor	8	
59	Roll welding cable positive 100ft	1	
60	Roll welding cable negative 100ft	1	
61	Welding cable lug	24	
62	Set gas welding hose with gauge 200psi	2	With EPPM max 200PSI hose
63	Iron plate (6mm thickness, 100mm width)	10	6mm thickness, 100mm width
64	Hollow pipe (100 x 50 mm)	5	100 x 50 mm
65	Hollow pipe (80 x 40 mm)	5	80 x 40 mm
66	Hollow pipe (60 x 40 mm)	5	60 x 40 mm
67	Hollow pipe (40 x 40 mm)	5	40 x 40 mm
68	Cutoff wheel (14" diameter)	20	14" diameter
69	Grinder wheel	20	100 mm Diameter
70	First aid kit	2	

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