



CHEMICAL INDUSTRIES EDUCATION & TRAINING AUTHORITY
 PO BOX 961 AUCKLAND PARK 2006 • 2 CLARMART ROAD RICHMOND 2092 JOHANNESBURG
 Telephone (011) 726-4026 • Fax (011) 726-7777 • info@chieta.org.za • www.chieta.org.za

SD - 008: WELDER EQUIPMENT AND TOOL LIST

SECTION A: TOOL LIST

To be completed by applicant during self evaluation

No	TOOLS	RATIO TO APPIE/LEARN	YES	NO
1.	PLIER – SIDECUT HD SKILLCRAFT M200	1 : 1		
2.	PLIER – WATERPUMP GEDORE 141 250 MM	1 : 1		
3.	PLIER – CIRCLIP O/S STR WILL 141 160	1 : 1		
4.	PLIER – CIRCLIP INS STR WILL 143 180	1 : 1		
5.	VICE GRIP – GEDORE 137 250MM	1 : 1		
6.	SCREWDRIVER – WERALIT 10001 BLK PT	1 : 1		
7.	FRAME HACKSAW – MITCO PROFESSIONAL	1 : 1		
8.	FRAME HACKSAW – ECLIPSE JUNIOR 14J	1 : 1		
9.	HAMMER – BALLPEIN GEDORE 300G	1 : 1		
10.	HAMMER – CLUB DIAMOND 1.8KG	1 : 1		
11.	WRENCH ADJUSTABLE – GEDORE 62 300MM	1 : 1		
12.	WRENCH ADJUSTABLE – IREGA 99 150MM	1 : 1		
13.	DIVIDER SPRING – GROZ DD/6150MM	1 : 1		
14.	TINSNIP – GEDORE 8531 300MM	1 : 1		
15.	TOOLBOX SET – GEDORE # 1262 46 X 26 X 21 M	1 : 1		
16.	BRASS LOCK – VIRO 302 40MM	1 : 1		
MEASURING EQUIPMENT				
17.	TAPE MEASURE – STANLEY 33 – 194 5M	1 : 1		
18.	STEEL RULE – GROZ 150MM	1 : 1		
19.	STEEL RULE – GROZ 300MM	1 : 1		
WORKSHOP EQUIPMENT				
20.	PORTABLE DRILLING MACHINE	One per w.shop		
21.	PORTABLE GRINDING MACHINE	One per w.shop		
22.	PORTABLE JIG-SAW	One per w.shop		
ARC WELDING				
23.	AC/DC WELDING MACHINES	5:1		
24.	WELDING SCREENS	5:1		
25.	ELECTRODE HOLDER	5:1		
26.	EARTH CLAMPS	5:1		
27.	CABLES	5:1		
28.	WIRE BRUSH	5:1		
29.	CHIPPING HAMMER	5:1		
30.	ARC WELDING HELMET	5:1		
31.	CONSUMABLE MATERIALS	5:1		

No	TOOLS	RATIO TO APPIE/LEARN	Yes	No
	GAS WELDING/BRAZING/CUTTING			
32.	OXYGEN CYLINDER	5:1		
33.	ACETYLENE CYLINDER	5:1		
34.	CYLINDER TROLLEY	5:1		
35.	PRESSURE REGULATORS	5:1		
36.	HOSES AND COUPLINGS	5:1		
37.	FLASHBACK ARRESTERS	5:1		
38.	TORCHES	5:1		
39.	NOZZLES (ASSORTMENT OF SIZES)	5:1		
40.	TIP CLEANERS	5:1		
41.	SPARK LIGHTER	5:1		
42.	CONSUMABLE MATERIAL (APPLICABLE)	5:1		
43.	GOGGLES (WELDING)	5:1		
WELDING TECHNOLOGY AND PROCESSES				
44.	SHIELDED METAL ARC WELDING	5:1		
45.	TUNGSTEN INERT GAS WELDING	5:1		
46.	GAS METAL ARC WELDING	5:1		
47.	MATERIAL SPECIFIC – ALUMINIUM WELDING	5:1		
48.	MATERIAL SPECIFIC – STAINLESS STEEL WELDING	5:1		
49.	RIG FOR PERFORMING VERTICAL POSITION WELD	5:1		
50.	RIG FOR PERFORMING OVERHEAD POSITION WELD	5:1		
BASIC LIFTING EQUIPMENT				
51.	CHAIN BLOCK: 2 TON MAX	One per w.shop		
52.	COFFING BLOCK: 2 TON MAX	One per w.shop		
53.	SHACKLES: 2 TON MAX	One per w.shop		
54.	CHAIN CLINGS: 2.5 TON MAX	One per w.shop		
55.	WIRE ROPE SLINGS: 20MM DIAMETER	One per w.shop		
SAFETY				
56.	OVERALL	1 : 1		
57.	SAFETY BOOTS	1 : 1		
58.	EAR PLUGS	1 : 1		
59.	SAFETY GOGGLES	1 : 1		

No	TOOLS	RATIO TO APPIE/LEARN	YES	NO
60.	HARD HAT	1 : 1		
COMMENTS				
APPLICANT		DATE		

*Apprentice must have exposure on these areas

SECTION B: SITE VISIT INSPECTION

To be completed by CHIETA Representative during site visit

COMMENTS			
CHIETA REPRESENTATIVE		DATE	