

**QEP- Assosa/Gambella**  
**GMFA Department Support Materials List mechanical**

	<b>Machine/Tool/ Material</b>	<b>Technical specification</b>	<b>pcs</b>
1	MIG welding machine	<ul style="list-style-type: none"> <li>• Output amps: 200A-300A</li> <li>• Rated Input Voltage (V): AC230V+15% single phase</li> <li>• Phase: 50/60HZ</li> </ul>	2
2	welding wire 0.8 mm 10 kg	spool of <b>0,8 mm</b> welding wire for DC MIG welder	8
3	welding wire 1.0 mm 10 kg	spool of <b>1,0 mm</b> welding wire for DC MIG welder	8
4	CO <sub>2</sub> Cylinder	CO <sub>2</sub> Cylinder with 50 liter and aprox. 200bar content	4
5	CO <sub>2</sub> Regulator	<ul style="list-style-type: none"> <li>• Flow rate: up to 35L/MIN</li> <li>• Fitted with 1/4inch parallel threaded gauges</li> <li>• Fitted with 3/8inch BSP male outlet</li> <li>• Fitted with 5/8inch BSP inlet</li> </ul>	2
6	Welding mask Full Face automatic	<ul style="list-style-type: none"> <li>• Automatic</li> <li>• Dark tone Variable shade 9-13</li> <li>• UV/IR protection DIN 16</li> </ul>	4
7	Welding gloves	welding leather gloves long	6
8	Oxygen/Acetylene Hose	<ul style="list-style-type: none"> <li>• Ø 8mm,</li> <li>• length 4 – 8m</li> <li>• 3/8"connector</li> </ul>	1
9	Air compressed hose	<ul style="list-style-type: none"> <li>• 10m</li> <li>• 1/4"</li> <li>• 15 bar</li> </ul>	2
10	Air-compressor connectors	FEMALE QUICK RELEASE COUPLER TO 1/4"	4
11	Air-compressor connectors	Male QUICK RELEASE COUPLER TO 1/4"	2
12	Air blow gun	Air blow gun 1/4"	1

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13	Welding clamps	Screw-clamp 400mm	8
14	E/motor for Hacksaw	single-phase asynchronous motor <ul style="list-style-type: none"> <li>• min:0,37KW;</li> <li>• 220V, 4,17A, 50Hz,</li> <li>• 1400rpm,</li> <li>• Min: IP44,</li> <li>• 16mm shaft</li> </ul>	1
15	Grinding discs for Bench grinder	150 x 20 mm x Ø 12,7 mm	4
16	V/Belt	A-710 E	8
17	Fan for control cabinet (for cooling the electric control cabinet)	<b>Installation diameter:</b> 140-160mm <b>Power:</b> AC220/240V 50/60Hz <b>Air flow:</b> Min.: 6.2 m <sup>3</sup> /min (218.95 ft <sup>3</sup> /min)	1
18	Tool trolley or box With tools	basic tool set for metal manufactory in trolley or large case with inlets.	2
19	M16x40 Bolt Stainless steel	M16 x 40mm Hexagon Head Structural Bolt	1
20	Grease gun	Hand operatet grease gun 400cc	1
21	Push button double switch	Dual button switch AC 220V ON/OFF (The picture is only an example, it does not have to be exactly this one)	2

