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| **Date of assessment:** |       | **Site / Area:**  |  | **Risk Assessment #:** | **043RA** |
| **Department/Area:** |       |
| **Identify / describe activity, equipment, area or event you are assessing:**  | **CIG Transmig 195 Welder** |

| **Step 1:** **Identify the hazard/s:**What do you believe are the hazards?(Refer hazard sheet) | **Step 2: Assess the risks:**What do you believe are the risks?(Refer hazard sheet ) | **Step 3: Reducing the risk**:What do you believe can be done to reduce the risk?(Refer hazard sheet ) |
| --- | --- | --- |
| **What could cause harm?** | **What could go wrong?** | **Controls** |
| Electrical  | * Worker or student could get electrocuted or receive an electric shock from poorly maintained/damaged plant
* Electrical installation could be impacted and damaged
* Wiring could cause an electrical fire
* Student could receive a shock from the Earth Connection on the welding plant
* Welding flash/sparks
 | * The plant undergoes regular electrical inspections
* The main power distribution board is RCD protected
* Workplace inspections are conducted to identify defective items
* Workers and students are adequately training in the safe operation of the plant.
* Workers and students wear required PPE and welding shield.
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| Burns | * Worker or student could receive a burn from hot mig wire
 | * Workers and student are trained in the safe use of the plant and associated equipment
* PPE is provided in the form of welding gloves
* First aid and cold running water is available if required.
 |
|  Fumes | * Asthma
* Irritation to the lungs
 | * Welding bays have fume extraction system fitted
* Mask is available on request
 |
| Noise | * Potential hearing loss/impairment
* Workers/students cannot communicate due to noise
 | * Hearing protection is available if required
* Workers/students are trained on the dangers of workplace noise
 |
| Manual Handling of the plant and moving product on/off the plant | * Bending/stooping to pick up items
* Moving projects on/off the welding table
* Replacing Argon gas bottles
 | * Trolleys are available for moving items if required
* All workers and students are trained in safe manual handling techniques
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| **Completed by (name):** |  | **Signature:** |  | **Date:** |  |
|  |  |  |  |  |  |
| **In consultation with (name):** |  | **Signature:** |  | **Date:** |  |

**Review hazard/risk assessment if task or circumstances change and at intervals appropriate to the level of risk (minimum 5 years).**

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| **Step 4: Monitor & review:**(Refer to hazard sheet)**Please tick Yes or No** |
| **Were the controls effective?** | **Were there any unforeseen hazards/ incidents?** | **New controls** |
| **Yes** | **[ ]**  | **No** | **[ ]**  | **Yes** | **[ ]**  | **No** | **[ ]**  |
| **DETAILS** | **DETAILS** | **DETAILS** |
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| **Name:** |  | **Signature:** |  | **Date:** |  |