

**VOCATIONAL TRAINING AUTHORITY ZANZIBAR**

**RECOGNITION FOR PRIOR LEARNING (RPL)**

***COMPETENCE CHECK LIST FOR WELDING AND FABRICATION***

***USING SUPPORTING MODULES, MODULES OF EMPLOYABLE SKILLS (MES) AND MANAGERIAL SKILL MODULES***

**PART I**

**PARTICULARS OF CANDIDATE**

**NAME OF CANDIDATE …………………………………………..SEX …….…… AGE……………**

**LEVEL OF EDUCATION. ………………………YEARS ON THE JOB TRAINING……..…………….**

**NAME OF THE COMPANY//WORKSHOP …………………………………………………………..……**

**SHEHIA …………………………..…… AREA …………………………… DISTRICT …………….….………**

**REGION ………….…………………………………… POSTAL ADDRESS ………………….…………….………….**

**TELEPHONE (1) MOBILE NO …………………….…………………………………………………...………………**

**(2) LANDLINE NO. ……………………………………………………… E-mail …………………………**

**WORK EXPERIENCE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/N** | **COMPANY//WORKSHOP** | **WORK DONE REGULARLY** | **FROM** | **TO** |
| **1.** |  |  |  |  |
| **2.** |  |  |  |  |
| **3.** |  |  |  |  |
| **4.** |  |  |  |  |
| **5.** |  |  |  |  |
| **6.** |  |  |  |  |

**PART II**

**MODULE SUMARRY**

**PUT (√) THE FOLLOWING MODULES TO DECLARE YOUR SPECIALIZATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **SPECIFIC MODULES** | | **SELECTION** | |
| **I CAN DO** | **I CAN’T DO** |
| 1. | Maintaining of workshop and surrounding |  |  |
| 2. | Perform preventive maintenance of tools and equipment, machines |  |  |
| 3. | Performing bench work |  |  |
| 4. | Fabricate and welding gate window door frames |  |  |
| 5. | Fabricate and welding steel structure |  |  |
| 6. | Fabricate and welding steel furniture’s |  |  |
| 7. | Perform metal steel forming |  |  |
| 8. | Perform soldering |  |  |
| 9. | Performing resistance welding |  |  |
| 10. | Perform gas welding on ferrous and non-ferrous |  |  |
| 11. | Metal work finishing |  |  |
| 12. | Managing safe work environment |  |  |
| 13. | Managing preventive maintenance |  |  |
| 14. | Managing workshop activities |  |  |

**PART II:**

**DETAILED COMPETANCE CHECK LIST**

Since the framework for MES allows different levels of skills from basic level skills to skills

Upgrading to meet the demands of different target group, the following specialized modules

are available within the welding and fabrication field:-

1. **SUPPORTING MODULES FOR EMPLOYABLE SKILLS:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **MODULE CODE** | **SUPPORTING MODULES FOR EMPLOYABLE**  **SKILL** | **RELATED TASKS** | **CANDIDATE SELF ASSESSMENT** | | **THIRD PARTY CONFIRMATION** | |
| CAN DO | CANT DO | **YES** | **NO** |
| **WF:101** | Maintaining of workshop and surroundings. | 1. Maintaining workshop safety |  |  |  |  |
| 1. Preventing incidents and accidents |  |  |  |  |
| 1. Handling fire accidents |  |  |  |  |
| 1. Performing first AID |  |  |  |  |
|  |  |  |  |  |  |  |
| **WF102** | Perform preventive maintenance of tools and equipment, machines | 1. Maintaining workshop tools |  |  |  |  |
| 1. Maintaining workshop equipment |  |  |  |  |
| 1. Maintaining machines |  |  |  |  |
|  |  |  |  |  |
| **WF103** | Performing bench work | 1. Performing measuring |  |  |  |  |
|  |  | 1. Performing filing |  |  |  |  |
|  |  | 1. performing hand saw cutting |  |  |  |  |
|  |  | 1. Performing power saw cutting |  |  |  |  |
|  |  | 1. Performing chiseling |  |  |  |  |
|  |  | 1. Performing threading |  |  |  |  |
|  |  | 1. Punching and stamping |  |  |  |  |
|  |  | 1. performing bearing mounting/removing |  |  |  |  |
|  |  | 1. Performing drilling |  |  |  |  |

1. **MODULES OF EMPLOYABLE SKILLS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **MODULE CODE** | **EMPLOYABLE SKILL MODULES** | **RELATED TASKS** | **CANDIDATE SELF ASSESSMENT** | | **THIRD PARTY CONFIRMATION** | |
| CAN DO | CANT DO | **YES** | **NO** |
| **WF:105**  **WF:201**  **WF:205**  **WF:301**  **WF:305** | Fabricate and welding gate window door frames | 1. Carrying out mild steel arc we carrying out mild steel arc cutting welding |  |  |  |  |
|  |  |  |  |  |
| 1. Carry out welding of alloy steels and ferrous metals |  |  |  |  |
| 1. Carrying out welding of stainless and carbon steel by tig 2. Carrying out welding of |  |  |  |  |
| 1. stainless and carbon steel pipes by mig |  |  |  |  |
| 1. Filing worn out metal surfaces |  |  |  |  |
| 1. Carrying out cutting of steel plates using plasma arc cutting |  |  |  |  |
| 1. Carrying out cutting steel plates using arc welding machine |  |  |  |  |
| 1. Carrying out resistance welding on sheet metals |  |  |  |  |
| 1. Carry out arc welding on non-ferrous metals |  |  |  |  |
| 1. Carry out arc welding on thick plates using mig/tig welding |  |  |  |  |
| 1. Carrying out arc welding on high pressure vessels |  |  |  |  |
| 1. Carrying out welding works of steel structures |  |  |  |  |
| 1. Carrying out laser beam welding on metals |  |  |  |  |
|  | 1. Carrying out sheet metal works |  |  |  |  |
| **WF:204**  **WF:305** | fabricate and welding steel structure | 1. Carrying out welding works of steel structures |  |  |  |  |
| 1. Carrying out sheet metal works |  |  |  |  |
| **WF:305** | fabricate and welding steel furniture’s | 1. Carrying out sheet metal works |  |  |  |  |
|  |  |  |  |  |
| **WF:201**  **WF:105**  **WF:104** | perform metal steel forming | 1. Carry out welding of alloy steels and ferrous metals |  |  |  |  |
| 1. Carrying out welding of stainless and carbon steel by tig |  |  |  |  |
| 1. Carrying out welding of stainless and carbon steel pipes by mig |  |  |  |  |
| 1. Filling worn out metal surfaces |  |  |  |  |
| 1. Carrying out cutting of steel plates using plasma |  |  |  |  |
| 1. arc cutting |  |  |  |  |
| 1. vi. Carrying out cutting steel plates using arc cutting machine |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 1. Carrying out mild steel by arc welding carrying out cutting mild steel arc cutting welding |  |  |  |  |
| 1. Performing |  |  |  |  |
| 1. measuring |  |  |  |  |
| 1. Performing filing |  |  |  |  |
| 1. Performing hand saw cutting |  |  |  |  |
| 1. Performing power |  |  |  |  |
| 1. saw cutting |  |  |  |  |
|  |  |  |  |  |
| 1. Performing chiseling |  |  |  |  |
| 1. Performing threading |  |  |  |  |
| 1. Performing punching |  |  |  |  |
| 1. and stamping |  |  |  |  |
| 1. Performing bearing mounting/removing |  |  |  |  |
| 1. Performing drilling |  |  |  |  |
|  |  |  |  |  |
| **WF:204** | Perform soldering | 1. Carrying out welding works of steel structures |  |  |  |  |
| **WF:205** | Performing resistance welding | 1. Carrying out resistance welding on sheet metals |  |  |  |  |
| **WF:106**  **WF:302**  **WF:303** | Perform gas welding on ferrous and non-ferrous | 1. Carrying out mild steel sheetwelding |  |  |  |  |
| 1. Carrying out metal brazing and bronze welding |  |  |  |  |
| 1. Carrying out final cutting by gas welding flame |  |  |  |  |
| 1. Carrying out gas welding on ferrous metal |  |  |  |  |
| 1. Carrying out gas welding on non- ferrous metals |  |  |  |  |
| 1. Carrying out gas flame cutting on ferrous metal |  |  |  |  |
| **WF: 304** | Metal work finishing | 1. Carrying out metal spraying ferrous metals |  |  |  |  |
| 1. Carrying out metal spraying on non-ferrous metals |  |  |  |  |
|  |  |  |  |  |

1. **MANAGEMENT SKILL MODULES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **MODULE CODE** | **MENAGIRIAL SKILL MODULE** | **RELATED TASKS** | **CANDIDATE SELF ASSESSMENT** | | **THIRD PARTY CONFIRMATION** | |
| CAN DO | CANT DO | **YES** | **NO** |
| **WF 306** | Managing fabrication | 1. Carrying out production plan, organize work and control shop resources |  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **WF 307** | Managing safe work environment | 1. Managing hazards |  |  |  |  |
| 1. Carrying out risk assessment |  |  |  |  |
| 1. Managing environmental issues |  |  |  |  |
|  |  |  |  |  |  |  |
| **WF 308** | Managing preventive maintenance | 1. Planning preventive maintenance |  |  |  |  |
| 1. Supervising preventive maintenance |  |  |  |  |
| **WF 309** | Managing workshop activities | 1. Designing welding and mental fabrication work shop lay –out |  |  |  |  |
| 1. Controlling tools and equipment |  |  |  |  |
| 1. Estimating materials and labor cost |  |  |  |  |
| 1. Training subordinates |  |  |  |  |
| 1. Preparing report |  |  |  |  |
| 1. Managing work shop business |  |  |  |  |

**RPL Facilitator Comments:**

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Name Facilitator: ………………………………….Signature……………………….Date:…………………………

Name of applicant: ...………………………………. Signature: …………………... Date: …………………..………

Name of third party: ……………………………….. Signature: …………………. Date: …………………………..