1. **PURPOSE:** Certification & Inspection for safe working
2. **SCOPE:** Plant area Battery 1 & Battery 2
3. **RESPONSIBILITY:** Engineer In charge and workmen at the job, Contractors
4. **PERFORMANCE INDICATORS:**

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| --- | --- | --- | --- | --- | --- |
| **Sr. No.** | **Measure** | **Unit** | **Frequency** | **Acceptance Criteria** | **Responsibility** |
| **Quality** | | | | | |
| 1 |  |  |  |  |  |
| **Environment** | | | | | |
| 1 |  |  |  |  |  |
| **Safety** | | | | | |
| 1 |  |  |  |  |  |

1. **PROCEDURE:**

**PPEs to be used**: Helmet, Safety shoes, hand gloves, nose masks

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**Aspect- Impact**

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| --- | --- |
| Scrap generation**:** | Resource Depletion |

**Hazards id****entified**

Mechanical Hazard: Fall of cylinders, back fire, cylinder explosion.

**Work No 1 : Certification of cutting sets**

General guidelines for certification of cutting sets

* All cutting set hoses (Both Oxygen and Acetylene) must be 25 mtr in length. However one joint each is allowed on each hose properly clamped with? Jublee" clamps.
* Both oxygen and acetylene cylinder hoses must be tied together at 2 m each length with cable tie.
* Cutting set hoses should not have any apparent cuts in the hoses and should be in good condition.
* Cutting set should be provided with working regulator with double gauges and flash back arrestor on both oxygen and Dissolved acetylene line.
* Cutting set nozzles should be of good condition (Nozzle holes not enlarged) and with proper knob for adjusting the flow.

**Procedure for cutting set inspection.**

1. Carry out certification and inspection of the cutting set as per the general guidelines given above.
2. Check the leakage cutting set and check proper functioning of the gauges, torch etc.
3. If the cutting set is not as per requirement, request the concerned to remove the cutting set from the service until the same is complied with safety requirements.
4. Inspection to be carried out at every 3-month.
5. Any uncertified cutting set is found in bad condition it will be viewed. It is the responsibility of the user to rectify the problem immediately.
6. Register to be maintained with status of cutting sets certified.

**Work No: 2 : Certification of trolley**

1. Visual check the structural work for strength and should painted.

2. Check the condition of the wheel of the cylinder trolley for good condition.

3. User should ensure the availability of identification number for each trolley.

4. Check the Lock chain for cylinder for proper fitting by fixing the cylinder. Do take proper care to avoid fall of cylinder while handling.

**Work No: 3 : Certification of safety belt/Harness**

1. Check the belt/harness lock for good locking.
2. Check hanging lock at the belt for any damage.
3. No external damage is allowed in rope.
4. Check hanging X joint?
5. No alteration in belt is allowed.
6. Identification tag to be fixed on each belt.

IT IS THE RESPONSIBILITY OF THE USER TO MAINTAIN THE SAFETY EQUIPMENTS/PERSONNEL PROTECTIVE EQUIPMENT IN GOOD CONDITION. IF ANY DISCREPANCY NOTED IN THE SAME TO BE RECTIFIED IMMEDIATELY OR TO BE RETURN BACK THE SAME TO STORE AS SCRAP.

1. **REFERENCES:**
2. **RECORDS:**

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| --- | --- | --- | --- | --- | --- |
| **Sr. No.** | **Record No.** | **Record Title** | **Maintained by** | **Soft/Hard form** | **Retention Time** |
| 1. |  |  |  |  |  |
| 2. |  |  |  |  |  |
| 3. |  |  |  |  |  |
| 4. |  |  |  |  |  |
| 5. |  |  |  |  |  |
| 6. |  |  |  |  |  |

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| **Date** | **Manual Section Ref. & Para** | **Brief details of Revision** | **New Rev.** |
| 13-08-2022 | Header | Company logo & Document no. | 6 |
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| **Prepared By:**  Head Mechanical Maintenance, Battery 1- MCD | **Reviewed & Issued By:**  Management Representative | **Approved By:**  Head Mechanical Maintenance MCD |
| **Signature:** | **Signature:** | **Signature:** |
| **Review Date: 13.08.2022** | **Review Date: 13.08.2022** | **Review Date: 13.08.2022** |