1. **PURPOSE: Safe grinding procedure**
2. **SCOPE: Plant area Battery 1&2**
3. **RESPONSIBILITY:** Engineer in charge
4. **PERFORMANCE INDICATORS:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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, Dust mask. Safety goggles

**Aspect Impact :**

|  |  |
| --- | --- |
|  |  |
| Generation of scrap | Land pollution |

**Hazards identified**

**Mechanical Hazard:** Contact, Entanglement, Impact

**Human behaviours:** Improper housekeeping, Non-use of PPE, Alcoholism, Height phobia

**Physical Hazard:** Electric shock

* Only trained personnel will carry out grinding activity.
* Grinding machines to be used for Grinding will have to be certified by Company's Authorized Representative.
* Before fixing the grinding/cutting wheel on the machine, following things will have to be ensured

Do:

* 1. Guard on the machine is in good condition.
  2. Expiry date of the wheel is marked on the wheel. Any wheel beyond the expiry date shall not be used under any circumstances.
  3. Speed marked on the wheel should be greater than or equal to speed of the machine. Under no circumstances, machine with higher RPM shall be used with a wheel of lower RPM.
  4. Cable to be checked for any damages.
  5. Scrap material to be collected & stored in allocated places

Do Not:

* Remove guard from grinding machine
* Do not over tighten the grinding wheel
* Do not tap or hammer or force the grinding wheel on shaft**.**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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. | 06 |
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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** |