**SOP FOR**

**1.0 Purpose : -** Safe Maintenance of Sinter machine for Optimum performance.

2.0 **Scope**: Sinter plant.

3.0 **Responsibility : -**Engineer In charge and workmen on the job

4.0 **Procedure** : **Greasing of Sinter machine in manual mode**

**PPEs to be used**

Helmet, Safety shoes, hand gloves, Dust mask and safety goggle.

**Aspect - impact**

Dust Generation Resource Depletion

**Hazards identified -Mechanical hazard**

1. Fall of material.
2. Flying of hot material during sintering.
3. Skidding in grease left at site

**Electrical hazard –** Electrical shock in open panel box.

**Physical hazard –**

Pressure of grease in case of tube / fitting rupture

**Procedure** –

As and when the sinter machine lubrication is not working in auto mode and hence the need to grease manually or when doing a check (once a day) for grease discharging.

During Greasing of sinter machine open the solenoid valves panel box, to check the indication of grease supply.

Push supply switch of solenoid valve.

Check whether indicator on the solenoid valve is glowing if so then this indicates that grease is discharging.

If not, charge solenoid switch manually.

After the above is completed ensure to close the panel door properly.

**DO’s -**

Ensure that all panel doors closed.

Use goggles and hand gloves

**Reference: -**

**Amendement Record**

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| **Date** | **Manual Section Ref. & Para** | **Brief details of Revision** | **New Rev.** |
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| **Prepared By:**  Associate Manager- Sinter Plant Mechanical | **Reviewed & Issued By:**  Management Representative | **Approved By:**  **Manager- Mechanical PID2** |
| **Signature:** | **Signature:** | **Signature:** |
| **Review Date: 20.05.2022** | **Review Date: 20.05.2022** | **Review Date: 20.05.2022** |