**WORK INSTRUCTIONS FOR** **COOLING DEBRIS FROM SLAG POT**

**Criteria: Environment and safety.**

**Responsibility: Bag House Incharge**

**Identified Hazards:**

1. Contact with graphite, hot fumes
2. Injuries due to fall
3. Fire
4. Improper house keeping
5. Inadequate local lighting
6. Impact of crane
7. fall of slag pot

**Human Hazards**

1. Non use of PPE , WI

**Significant Aspect:**

1. Heat generation
2. Fumes generation
3. Depletion of natural resources.

**PROCEDURE:**

1. Ensure that all personnel involved in the activity (Including contractor workmen) are trained in safe working procedures.
2. Personnel working in the area must wear safety goggle safety helmet, safety shoes while working.
3. Once the slag pot is full with debris place the slag pot at cooling unit at the side of bag house.
4. Adjust the cooling spray unit exactly in the centre of slag pot.
5. Initial temperature of slag to be monitored with ray teck gun at four points all around and to be noted in bag house register.
6. Open the sprays valve and air valve in equal proportion for proper mixture.
7. Bag house staff should monitor the cooling, if spray gets chock to be cleared immediately.
8. Periodic adjustment of spray may be done for proper cooling of debris all around slag pot.
9. Cooling to be continued for minimum 24 hrs(Time gap to be given in order to ensure slag pot doesn’t get filled with water) or temperature of slag pot when drops below 100degree.
10. Sing board to be displayed as Hot Debris cooling ON.
11. If required barricade area of hot debris slag pot so the no one should come in contact.

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| **Prepared By:**  Head – Production PID I | **Reviewed & Issued By:**  Management Representative | **Approved By:**  Head – Pig Iron Division |
| **Signature:** | **Signature:** | **Signature:** |
| **Date: 10.07.2023** | **Date: 10.07.2023** | **Date: 10.07.2023** |

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| **Amendment Record** | | | |
| **Revision date** | **Manual Section ref. and para** | **Brief details of revision** | **New Revision No.** |
| 15.07.2022 | Work instructions for cooling debris from slag pot | Point 10-11 added | 03 |
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