**WORK INSTRUCTIONS FOR DUMPING DEBRIS IN TO SLAG POT INSIDE BAG HOUSE**

**Responsibility:** Bag house in-charge

**Criteria**: Reduce dust pollution

**Identified Hazards:**

1. Contact with graphite dust
2. Contact with hot metal / object causing burns
3. Impact /breaking of slag pot while handling
4. Link chain failure.
5. Fall of ladle.
6. Hanging of ladle on one chain
7. Non-use of PPE
8. Improper house keeping
9. Inadequate local lighting
10. Not starting the ID fan before dumping ladles
11. Collision of crane hook or ladle with truck
12. Accidental operation of the crane leading to injury or damage to property
13. Crane hitting structure and damaging it due to poor visibility radio remote button indicators
14. Falling of hook
15. Contact with hot water/steam.
16. Moving vehicle.
17. Flying chips
18. Fire and explosion

**Significant Aspect:**

 Emission of graphite

1. Explosion due to presence of water in slag pot.

**PROCEDURE**:

 Unauthorized operation or repair of any equipment is a punishable offence

1. Ensure that all personnel involved in the activity (Including contractor workmen) are trained in safe working procedures including hazards.
2. Personnel working in the area must wear all required PPE i.e. Safety goggle, safety helmet, safety shoes and ear plugs.
3. Before placing slag pot inside Bag House supervisor should ensure that slag pot is not filled with water and the area inside Bag House should be levelled. Engage the 25t crane hook to slag pot side trunion and place the slag pot inside Bag House.
4. Bag House staff should ensure that no one is passing or nearby this area during dumping and crane operator should operate from safe distance minimum 10mtr away from slag pot.
5. Lift the ladle, position it above slag pot, start Bag ID, slowly start unloading debris into slag pot.
6. While dumping care to be taken by operator that ladle should not rest on debris or slag pot l, to avoid disengaging of hooks.

In the event of radio remote malfunctioning and not responding.

1. The crane Operator can stop the crane by operating the “OFF” push button present on the Emergency radio remote. Emergency radio remote has been provided in addition to main remote so that the main power to the EOT crane is stopped and crane operation is thereby stopped.
2. The functioning of Emergency radio remote to be checked by operator in every shift
3. Additional radio remote has been mounted along with the main remote. Both the remote shall be to be maintained together all the time.



“OFF” button of Emergency radio remote

1. Operator should ensure that metal should not fall on link chain to avoid damage of chain.
2. Ensure that slag pot is not filled above rim.
3. Once slag pot is full remove it out and keep below cooling unit.
4. Slag pot once filled should be removed and kept for cooling near bag house.
5. Before placing Slag pot ensure slag pot is in good condition there should not be any crack on slag pot.

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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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| 15.07.2022 | Work instructions for dumping debris into slag pot inside bag house | Point 8 | 05 |
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