**WORK INSTRUCTIONS FOR WASHING/COOLING OF PIGS**

**Criteria:** To Maintain quality of Pigs.

**Responsibility**: Bag House Staff / Pig shifting Incharge.

**Identified Hazards**:

1. Contact with Hot Pigs
2. Impact with flying metal chippings
3. Contact with hot water
4. Contact with graphite dust/lime slurry
5. Mechanical impact by moving equipment (cranes)
6. Electric shock
7. Impact of moving machinery (Truck & wheel loaders)
8. Nonuse of PPE
9. Improper house keeping
10. Inadequate local lighting
11. Burns due to contact with Hot particle/ Hot water
12. Inhalation of dust causing lung problems
13. Fall of person due to improper visibility due to steaming
14. Fall of person due to tripping on scattered pigs

**Significant aspect**

1. Depletion of Natural resources

**Procedure:**

1. Unauthorized operation or repair of any equipment is a punishable offence.
2. Persons involved in this activity should wear Safety shoes, Helmet, spectacle, Hand gloves, dust mask and ear plug.
3. Bag House staff should ensure sufficient fresh water is available in pig cooling tanks, saline water to be used in case of non-availability of fresh water only.
4. Primary source of water should be from pig cooling recirculation tank. Tank near bag house should be kept as stand by.
5. For PCM 2,3 and 4 cooling/washing of pigs to be started before falling of pigs into the truck.
6. Last trip to be washed thoroughly to avoid contamination of lime with pigs.
7. .
8. Cooling spray nozzles to be cleaned if jammed for free flow of water

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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.** |
| 12.07.2021 | Procedure for Tap hole dressing BF2 | Point no 6, 7,8 | 03 |
| 15.07.2022 | Procedure for washing / cooling of pigs | Point 5, and 7 | 04 |