**WORK INSTRUCTIONS FOR CLEANING PCM TAIL END DEBRIS**.

Responsibility: PCM In charge/ Pig Shifting In charge.

Criteria: To Maintain housekeeping in the area.

Responsibility: PCM In charge/ Pig Shifting In charge.

Identified Hazards:

1. Contact with hot metal
2. Fire & Explosion
3. Mech. Impact Backhoe damage the overhead cable tray
4. Contact with steam
5. Impact of wheel loader to the PCM platform
6. Impact due to both hot metal crane & heavy earth moving machinery collusion.
7. Unwanted movement of equipment like tilter, hot metal crane etc.
8. Nonuse of PPE & WI
9. Improper house keeping
10. Inadequate local lighting
11. Heat
12. Dust inhalation causing lung diseases

Significant aspect

1. Dust generation

2. Graphite generation

Procedure:

1. Unauthorized operation or repair of any equipment is a punishable offence

2. Persons involved in this activity should wear safety shoe, helmet, hand gloves, safety spectacle.

3. This activity is to be done immediately after closing of cast and completion of Pouring, to be ensured by PCM staff.

4. Spray sufficient water on debris which is to be removed by using hose pipe provided on PCM platform or water spray line at the PCM tail end.

5. Before removing barrication gate chain both side crane operators/ persons working in cast house/PCM tail end area to be informed regarding removing tail end debris by Hitachi.

6. Proper direction to be given by PCM staff during debris removal due to space constraint. Care to be taken while removing PCM 2 debris to avoid Hitachi hitting MCC `room guard wait while reversing.

7. Debris to be pulled and spread uniformly in order to cool properly.

8. PCM 3 tail end debris tray to be removed with care with proper supervision to avoid shifting of plate above side drain. After tray is removed for emptying the drain is to be inspected for jamming with debris and if debris is found it is to be removed before the tray is put back in place.

9. Spread debris to be cooled thoroughly with the help of water hose pipe hose provided at all PCM tail ends.

10. Once the debris is cooled same to be loaded by Wheel loader by proper supervision from Pig shifting in charge. .

11. During debris loading Pig shifting in charge should ensure that cast is closed, and pouring is not on at that particular PCM.

12. After the process is completed chain barrication gate to be reverted back.

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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: **15.07.2022** | Date: **15.07.2022** | Date: **15.07.2022** |

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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 cleaning PCM tail end debris | Point no 5,6,12 | 04 |
| 15.07.2022 | Procedure for cleaning PCM tail end debris | Change in format | 05 |