**WORK INSTRUCTIONS FOR\_** **SHIFTING OF MATERIAL BY WHEEL LOADER**

**Responsibility: Furnace in charge**

**Identified Hazards**

1.      Bursting of tyre

2.      Impact wheel loader to electric pole

3.      Nonuse of PPE

4.      Improper house keeping

5.      Inadequate local lighting

6.      Running in panic & getting hurt or falling

7.      Working hurriedly

8.      Impact with poking rods/lancing pipes while handling

9.      Use of improper mode for transportation

10.  Unloading material from wheel loader

11. Impact of wheel loader with structure

12. Wheel loader brake failure

13. Bucket cylinder failure

14. Poor coordination between the operator and helper

15. Entanglement

16. Trapping between bucket and the structure

Shifting of material by Wheel Loader

1. Equipment healthiness to be checked before starting the activity.
2. Ensure wheel loader is parked and all movement is stopped, and brakes engaged.
3. Ensure stopper block is put in front of the rear tyre to avoid forward movement.
4. Inform the wheel loader operator that loading of bucket is going to start.
5. Ensure material loaded in bucket doesn’t protrude out of the bucket so that there is no spillage while loader is moving.
6. Unload the bucket filled with material directly on cast house platform, in case some material doesn’t get unloaded from the bucket then engage lancing hook on the bags standing away from the bucket and pull the bags out.
7. Once material is unloaded inform the wheel loader operator.
8. Entering inside the wheel loader bucket when hoisted for unloading the material is strictly

Prohibited. In case the material inside the bucket cannot be directly unloaded on the

Cast house Platform, then 5 T cast house crane should be lowered down and the material

Should be manually transferred from wheel loader bucket to 5 t tray and shifted in the

Cast house.

|  |  |  |
| --- | --- | --- |
| **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** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Amendment Record** | | | |
| **Revision date** | **Manual Section ref. and para** | **Brief details of revision** | **New Revision No.** |
| 15.07.2022 | Procedure for shifting of consumables by Wheel loader | Change in format | 04 |