**WORK INSTRUCTIONS FOR\_ FILLING OF THE COKE BUNKER BY MANUALLY OPERATING THE COKE GATES**

Responsibility: Raw material in charge

**Identified hazards: -**

1. Contact with dust
2. Vehicle emission
3. Impact of wheel loader
4. Entanglement
5. Falling of mech. object.
6. Nonuse of PPE &WI
7. Improper house keeping
8. Inadequate local lighting
9. Dust
10. Overloading of wheel loader bucket causing unbalancing of wheel loader.
11. Bursting of tyre

**Significant aspect:**

Generation of coke dust.

WORK INSTRUCTIONS

Never enter the coke tunnel alone. You must be accompanied by at least another person.

• Unauthorized operation or repair of any equipment is a punishable offence

• Before entering the tunnel, the person going in should ensure that he has his safety shoes, helmet, dust mask and white goggles on. He should not be wearing loose clothes and should carry a flashlight (torch) and ensure that all the lamps in the tunnel are on, sufficiently illuminating the tunnel (Switch on all the lights with the switch provided at the entrance to the tunnel. Never enter the tunnel if the illumination is less, but report to the Electrical dept.).

• In daytime while entering the tunnel of BF2 one should use the switch provided to put on all lights. Similarly, while coming out of the coke tunnel, use the switch provided to switch off the alternate lights.

• While in the coke tunnel, utmost precaution is to be taken to see that no part of your body comes in contact with the running conveyor belt.

• While walking in the tunnel extreme care is to be taken to prevent slipping and falling on spilled coke lumps/water.

• Ensure that, other than the coke gates which are in use, all the air valves of the gates are closed.

• After manually opening the coke gate, ensure that more than one gate is not discharging at the same time. Only one gate should be used (opened) at a time.

• After manually opening the coke gate, if the coke is stuck at the mouth and not discharging, one should use a rod and carefully hammer the gate, so that one does not damage the cylinder.

• Gate should be manually opened and closed in intervals of 15 seconds open and 8 seconds close. If the gate is kept continuously open, coke will overload the belt, cause spillage and cause choke up at the junction of CB1/2 and CB3.

• In the event that, the person operating the gates, gets caught in the conveyor, the other person should immediately activate the pull chord and stop the conveyor.

• As soon as the belt stops, the people should come out of the tunnel.

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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 filling the coke bunker by manually operating the coke gates | Point no 11, (hazard) | 02 |
| 15.07.2022 | Procedure for filling the coke bunker manually operating the coke gates | Change in format | 03 |