**WORK INSTRUCTIONS FOR MOVEMENT & CLEANING OF COKE TUNNEL**

Responsibility: Raw Material In-charge

**Identified Hazards:**

1. Fall of a person during movement in coke tunnel causing injury
2. Contact with dust, coke fines
3. Injury due to fall of coke from coke gate during hammering of gates
4. Collision with wall & other obstacles
5. Improper house keeping
6. Inadequate local lighting
7. Getting afraid of ghosts
8. Dust
9. Human behavior – Not using PPE’s
10. Violation/ignorance of work instructions
11. Lone working

Significant Aspects:

1. Generation of coke dust

PROCEDURE

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

1. Unauthorized operation or repair of any equipment is a punishable offence.
2. Before entering the tunnel, the RM shift in charge should ensure that no member of the cleaning group is wearing loose clothes and everyone has safety shoes, helmet, dust mask and white goggles on. Ensure no loose towel is hanging in the neck area. The Supervisor of the group should equip himself with a flashlight & also the worker performing the job must wear flashlight jacket and ensure that all the lamps are on, sufficiently illuminating the tunnel, before entering (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.). Ask the furnace control room to keep the tunnel belt continuously running.
3. Two persons should carry the stool provided inside the tunnel and place it in the aisle at the place of spillage. (If the group is big, more stools may be placed).
4. In a single file, the rest of the group should enter the tunnel with their ‘Pawdas’ and ‘Ghamelas’, with the supervisor leading the way. The tools and tackles should be carried in the hand away from the conveyor.
5. Start the cleaning activity from its starting point and proceed. This is to ensure that the hazard of slipping on the spilled coke is eliminated.
6. Fill the ghamelas with the spilled coke and pass it along the aisle to the person standing on the stool. Taking extreme care to ensure that no part of his body or clothes is liable to come in contact with the conveyor, the person standing on the stool should empty the ghamela on to the conveyor. If the ghamela accidently falls on the belt, immediately stop the belt by activating the pull chord, and retrieve it.
7. Only dry coke is to be charged on the belt. Relatively wetter coke should be filled in bags and shifted outside the tunnel.
8. Ensure that coke gate numbers 1 to 10 is in use at all times.
9. Any coke lumps spillages that occur in the shift will be unloaded on the belt by the two shift workmen who are assign for coke filling.
10. HORSE PLAY IS STRICTLY FORBIDDEN INSIDE THE COKE TUNNELS. VIOLATORS WILL BE DEALT WITH VERY SERIOUSLY.
11. If there is spilled coke under the conveyor belt, DO NOT go under the belt to collect it. The coke has to be pulled out with the help of the ‘pawda’ by the person sitting in the aisle. If required, a longer bamboo handle has to be fitted to the ‘pawda’.
12. In the event of power failure, people in the coke tunnel must stay put in the fixed position, and not move about. Supply (illumination) will automatically be restored within 25 seconds.
13. After completion of the job, the concerned workmen must come out of the tunnel, together with ALL his tools and tackles. The switch for keeping alternate lights on should than be activated.

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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: 03**.03.2023** | Date: 03**.03.2023** | Date: **03.03.2023** |

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| **Amendment Record** | | | |
| **Revision date** | **Manual Section ref. and para** | **Brief details of revision** | **New Revision No.** |
| 15.07.2022 | Work instructions for carrying out activities inside coke tunnel | Change in format | 03 |
| **03.03.2023** | **Identified Hazards** | **New hazard identified** | **04** |