**WORK INSTRUCTIONS FOR CLEANING VIBRATING CHUTE (VC) SCREENS & BINS**

**RESPONSIBILITY:** Raw material in charge

**IDENTIFIED HAZARDS: -**

1. Electric shock
2. Falling causing injuries
3. Contact with hand tools used for cleaning
4. Improper house keeping
5. Inadequate local lighting
6. Getting hurt while walking on screens
7. Getting hurt while cleaning screens
8. Getting hurt while cleaning the bins
9. Use of improper PPE

**BEHAVIOURAL HAZARDS: -**

1. No use of PPE’S
2. Not putting off the VC by push button
3. Horseplay while doing the activity.
4. Health of the person working

**ASPECT**

1. Generation of dust

**WORK INSTRUCTION**

DO NOT WAIT FOR THE SCREEN TO BE COMPLETELY JAMMED BEFORE CLEANING IT. AS SOON AS THE SCREEN STARTS GETTING JAMMED, IT HAS TO BE CLEANED.

**Before starting the job ensure that:**

Unauthorized operation or repair of any equipment is a punishable offence

1. The people working in the area are wearing dust mask and hand gloves.

2. Two persons are involved in the activity. One person should be at the push button to start/stop the VC. Proper coordination should be there between both of them.

3. The batching of the particular VC is complete, and the VC has stopped.

**FOR BF1**

4. Once the VC has stopped batching, one person should stop the VC by pressing the push button. Put LOTO tag to emergency Push button for safety purpose. The person who has activated the push button should not move away from that point, till the job is complete. This is to prevent anyone from starting the particular VC, even by mistake.

5. The other person should start cleaning the screen, using a bhaala (arrow) or lancing pipe. If needed, the person should stand on the stool provided. The person cleaning the VC should never stand inside the bin. If the jamming is persistent, a pickaxe or hoe (pawda) may be used. If the jamming is at the rear end, the cleaning is to be done from the backside of the chute.

6. While cleaning of any slightly jammed VC, if the bins discharge, stop the cleaning job and release the push button so that the batching restarts. Once the batch is ready, repeat step 4 & 5 till the VC is cleaned.

7. In the event any VC is badly jammed, the RM in charge should make arrangement with the control room for bypassing that VC, taking spare VC in line, and taking up the jammed VC for cleaning.

**FOR BF2**

8. Once the VC has completed batching, one person should stop the VC & VF by pressing the push button. Put LOTO tag to emergency Push button for safety purpose. The person who has activated the push button should not move away from this area, till the job is complete and the person from the top of the screen has safely come down. This is to prevent anyone from starting the particular VC/VF, even by mistake.

9. This person has to then climb on the VC screen with the help of stand provided to climb. The person standing on the VC should use a pickaxe/ hoe(pawda)/ bhalla for cleaning. Care should be taken that the tools used for cleaning do not fall in the bin.

10. While cleaning of any partially jammed VC, if the bins gets discharged, stop the cleaning job, hand over the pickaxe to the other person, remove the barricade and get down. Release the push button so that the batching restarts. Once the batch is ready repeat step 7 to 10 till the VC is cleaned.

11. In the event any VC is badly jammed, the RM in charge should make arrangement with the control room for bypassing that VC, taking spare VC in line, and taking up the jammed VC for cleaning.

12. After cleaning, the person standing on the VC should carefully handover all his tools to the person below and come down carefully.

13. After the job is over the barricades should be removed so that the person cleaning the VC can carefully get down.

14. Release the push button.

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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.** |
| 15.07.2022 | Procedure for cleaning vibrating chute (VC ) screens and Bins | Change in format | 04 |
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