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|  | **VEDANTA LIMITED –**  **VALUE ADDED BUSINESS** | **Format No.:** | **FRMT/MR/10** |
| **INTEGRATED MANAGEMENT SYSTEM** | **Revision Date:** | **10.07.2023** |
| **HAZARD IDENTIFICATION** | **Revision No.:** | **02** |
| **Page No.:** | **1 of 1** |

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| **Departmental Use Only** | |
| **Revision No: 01** | **Unit: PID1** |
| **Revision Date: 10.07.2023** | **Dept.: Production** |

A. Work activity information

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| **Sr.No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and Frequency: | Cleaning of VC’s ore screen in BF#1 , BF#2 & Both sizer plant screen |
| 2) | Location (s) where the work is carried out. | B.F. Raw Material/Charging area. |
| 3) | Who normally/occasionally carried out the task? | Workmen/ supervisors & contract  workers |
| 4) | Who else may be affected by the work (For example visitors, subcontractors? the public) | Maint. Staff & Visitors |
| 5) | a) Has the personnel trained for performing the task  b) Any special training required | Yes  No |
| 6) | Is the written systems of work mandatory? If yes state, the procedure no. | Yes.  VL/IMS/PID1/PROD/WI/34 |
| 7) | Is the work permit required for the task? | No |
| 8) | Plant and machinery that may be used:  Eg : crusher, conveyor, crane, heavy earthing equipment, Truck etc, | No |
| 9) | Any electrically operated hand tools are used | NIL |
| 10) | Manufacturers or supplier’s instructions for operation and maintenance plant machinery and powered hand tools are available or not: | NIL |
| 11) | Chain block, tools and shackles such as wire rope, hydraulic jack etc are used. | Lancing pipes, hammer, pickaxe etc. |
| 12) | What materials are handled? Size, shape, surface character and weight of materials that may be handled: | Lumpy ore & fines |
| 13) | Is the material is required to be moved by hand. If yes Distance and heights of the place where materials have to move by hand. | NIL |
| 14) | Services used Eg: compressed air, oxygen, acetylene,  LPG gas, hydraulic oil, welding electrode for welding | NIL |
| 15) | Physical form of substances encountered during the work (For example fume, gas, vapour, liquid, dust/powder, solid): | Solid. Iron ore , Limestone , Dolomite & coke |
| 16) | Content and recommendations of safety data sheets relating to substances used or encountered:  (This is applicable in case of chemical material) | NA |
| 17) | a) Relevant acts, regulations and standards relating to the work being done, the plant and machinery used, and the materials used or encountered:  b) Is the activity is reviewed for compliance to statutory requirement | Factory Act  Yes |
| 18) | What is the data (s) required to be monitored during the activity and the frequency of monitoring? | Ambient air quality |
| 19) | Any information available from within and outside the organization on incident, accident and ill health experience associated with the work being done, equipment and substances used: | Yes |

2. From the above activity information hazards are to be identified and recorded below using Appendix 'A' of SP/41

1. While cleaning BF 2 VC3, a pickaxe fell into WB2 of BF2. A worker rushed to activate the pull chord, but by then the pickaxe got carried away on CB4 belt and fell into WTB. There it got locked in the gate while discharging. The pickaxe was cut using cutting set by mechanical and removed from WTB. There was no damage to CB4 & CB5 belts. -11.10.08

**Hazards identified**

1. Contact with dust
2. Getting hurt while walking on the grizzly
3. Entanglement
4. Wheel loader charging the hopper when a person is cleaning the grizzly
5. Human Behavior -Running in panic, and getting hurt
6. Fines going in the eyes
7. Human Behavior -Nonuse of PPE &WI
8. Human Behavior -Improper house keeping
9. Inadequate local lighting
10. Human Behavior -Not stopping the VCs & conveyor belt before starting the cleaning process.
11. Fall of a person
12. Fall of cleaning tools like hammer, pickaxe, lancing pipes in the WB’s

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| **Prepared By:** | **Reviewed By:** |
| **Signature:** | **Signature:** |
| **Review Date: 10.07.2023** | **Review Date: 10.07.2023** |