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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: | PCM roof and walkway cleaning with high pressure pump 04 hrs Once/twice in month |
| 2) | Location (s) where the work is carried out. | PCM area |
| 3) | Who normally/occasionally carried out the task? | Company employees & supervisors |
| 4) | Who else may be affected by the work (For example visitors, subcontractors, the public) | Maint. Staff , contract labours & 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/14E |
| 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, | High Pressure pump |
| 9) | Any electrically operated hand tools are used | Yes |
| 10) | Manufacturers or supplier’s instructions for operation and maintenance plant machinery and powered hand tools are available or not: | Yes |
| 11) | Chain block, tools and shackles such as wire rope, hydraulic jack etc are used. | No |
| 12) | What materials are handled? Size, shape, surface character and weight of materials that may be handled: | Liquid, Water |
| 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): | Liquid. |
| 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? | Pump inlet pressure and inlet water temp  Continuous |
| 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. On 13.03.2021 at around 13:45 hrs while visiting on site in front of PCM 4 Security officer Avron Desouza slipped down due to iron rod which was projecting out on the way. No major injury

Cause: Slushy condition and uneven roads

Contributory Cause: Protruding Iron rod from the road.

CAPA: 1) Iron rod was cut and removed.

3) Regular periodic checks of the mentioned area will be done to fill up puddles caused by concrete wear on ground.

4) Proper Training will be given to all concerned working in the said area.

**Hazards identified**

1. Fall of a person from a height
2. High pressure water discharge,
3. Electrical shock.
4. Fire & explosion
5. Dust fumes
6. Contact with lime power
7. Steaming while cleaning the PCM roof
8. Inadequate local lighting
9. Human Behavior -Nonadherence to PPE/WI
10. Human Behavior -Improper Housekeeping

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