|  |  |  |  |
| --- | --- | --- | --- |
|  | **VEDANTA LIMITED –**  **VALUE ADDED BUSINESS** | **Format No.:** | **FRMT/MR/10** |
| **INTEGRATED MANAGEMENT SYSTEM** | **Revision Date:** | **10.07.2023** |
| **HAZARD IDENTIFICATION** | **Revision No.:** | **03** |
| **Page No.:** | **1 of 1** |

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

A. Work activity information

|  |  |  |
| --- | --- | --- |
| **Sr.No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and Frequency: | Saturator drip pot draining  Thrice in the shift & depend on the f/c condition |
| 2) | Location (s) where the work is carried out. | Saturator drip pot (GCS 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) | 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. | VL/IMS/PID1/PROD/WI/08I |
| 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, | NIL |
| 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. | F-shape MS handle |
| 12) | What materials are handled? Size, shape, surface character and weight of materials that may be handled: | Saturator water, slurry |
| 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): | Water, Slurry, BF Gas, steam |
| 16) | Content and recommendations of safety data sheets relating to substances used or encountered:  (This is applicable in case of chemical material) | NIL |
| 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? | Nil |
| 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 16/07/10, at around 16:20 Hrs BF2 saturator drip pot water seal gave way. Simultaneously all other drip pots in BF2 GCS gave way. Same was informed to BF2 control room. Wind volume was immediately reduced. And all drip pots were filled again.
2. On 14/08/2012 at around 10.30 hrs during saturator drip pot flushing operation hot water splashed out from the drip pot and fell on the person operating the drip pot valve. As the person was drenched with water and was given rest for hour and reported back to work.
3. on 03.03. 2015 In night shift saturator drip pot gave way and there was gas leakage in GCS area 5 times between 1:50 hrs to 6:56 hrs. Every time wind was reduced, and drip pot filled again

**Hazards identified**

1. BF Gas leakage
2. Fire and Explosion in the gas line
3. Contact with hot water
4. Contact with hot surface
5. Fall of person
6. Falling of water from saturator
7. Mechanical Impact
8. Nonuse of PPE, WI
9. Improper house keeping
10. Inadequate local lighting
11. Not carrying CO detector

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