|  |  |  |  |
| --- | --- | --- | --- |
|  | **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** |

|  |  |
| --- | --- |
| **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: | Cleaning of cooling tower basin  As & when required |
| 2) | Location (s) where the work is carried out. | Cooling tower |
| 3) | Who normally/occasionally carried out the task? | Contractor workmen, Mechanical engineer& cooling tower officer |
| 4) | Who else may be affected by the work (For example visitors, subcontractors? the public) | Sub-contractor, production dept. |
| 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/31B |
| 7) | Is the work permit required for the task? | Yes |
| 8) | Plant and machinery that may be used:  Eg : crusher, conveyor, crane, heavy earthing equipment, Truck etc, | Pump |
| 9) | Any electrically operated hand tools are used | No |
| 10) | Manufacturers or supplier’s instructions for operation and maintenance plant machinery and powered hand tools are available or not: | no |
| 11) | Chain block, tools and shackles such as wire rope, hydraulic jack etc are used. | Spade and ladder |
| 12) | What materials are handled? Size, shape, surface character and weight of materials that may be handled: | Sludge and 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): | Sludge and water |
| 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 | NIL    NA |
| 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: | NIL |

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

**Hazards identified**

1. Contact with pressurized water
2. Drowning in the basin due to filling of water above the height of a person
3. Human Behavior -Nonuse of PPE
4. Fall of a person due to slipping
5. Inadequate lighting in basin
6. Falling from height while entering the basin.
7. Electric shock
8. Fall of material from top
9. Humid condition while working in tank
10. Use of mobile phone while working
11. Contact with chemically dosed cooling water
12. Smelling of chemical
13. Slipping from the ladder
14. Slippery platform

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