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|  | **VEDANTA LIMITED –**  **VALUE ADDED BUSINESS** | **Format No.:** | **FRMT/MR/10** |
| **INTEGRATED MANAGEMENT SYSTEM** | **Revision Date:** | **04.04.2022** |
| **HAZARD IDENTIFICATION** | **Revision No.:** | **02** |
| **Page No.:** | **1 of 1** |

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| **Departmental Use Only** | |
| **Revision No:07** | **Unit: PID II** |
| **Revision Date: 01.07.2022** | **Dept.: Mechanical** |

A. Work activity information

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| **Sr.No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and Frequency: | Top hatch opening and closing  30 minutes  During shutdown |
| 2) | Location (s) where the work is carried out. | Blast Furnace 3 |
| 3) | Who normally/occasionally carried out the task | Engineer in charge  Maintenance welder & fitter on job |
| 4) | Who else may be affected by the work (For example visitors, subcontractors, the public) | Production Engineer |
| 5) | a)Has the personnel trained for performing the task  b) Any special training required | No  No |
| 6) | Is the written systems of work mandatory. If yes state the procedure no. | WI/BF3/04 |
| 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, | Nil |
| 9) | Any electrically operated hand tools are used | Nil |
| 10) | Manufacturer’s or supplier’s instructions for operation and maintenance plant machinery and powered hand tools are available or not: | Nil |
| **Sr.No.** | **Details** |  |
| 11) | Chain block, tools and shackles such as wire rope, hydraulic jack etc are used. | Yes (chain block) |
| 12) | What materials are handled? Size, shape, surface character and weight of materials that may be handled: | Top hatch flange  Approximately max 40 kg |
| 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. | 1 kg by hand (tools & tackles)  1 Mt height approximately max |
| 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, fumes |
| 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 1948 and Goa Factory rules 1985-SRR/16.  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: |  |

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

**Hazards identified**

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| Mechanical Hazard |
| Fall of flange, bolts, wedges, rod. Fall of person etc |
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| Physical hazard |
| Explosion, fire, temperature, Pressure |
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| Chemical Hazard |
| Gas poisoning |

**Human Behaviour -** Workmen under influence of alcohol

Violation of procedure

Not wearing PPE’s

Not concentrating while working

Horseplay

|  |  |
| --- | --- |
| **Prepared By:**  **Site Engineer** | **Reviewed By:**  **Mech. Maint. HOD PID2** |
| **Signature:** | **Signature:** |
| **Review Date:03.01.2023** | **Review Date:03.01.2023** |