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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: | Making of hydrous clay |
| 2) | Location (s) where the work is carried out. | Pug mill area |
| 3) | Who normally/occasionally carried out the task? | Contractors labors & 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. | Yes  VL/IMS/PID1/PROD/WI/14Tiii |
| 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, | Pug mill |
| 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: | 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: | Clay |
| 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 | Electric motor |
| 15) | Physical form of substances encountered during the work (For example fume, gas, vapour, liquid, dust/powder, solid): | Plastic clay powder & water |
| 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? | 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 27/12/2019, at around 12.30 hours, Mr. Shyamji (Gatepass No: 20800) with other 3 labours of Contractor M/s Mukund Parab were engaged in cleaning Pug mill no 1. The mill cleaning was performed to handover it to mechanical department for maintenance work. Since the clay was very hard a rod and hammer were used to clean the same. He was wearing all required PPE’s including hand gloves. While hammering the rod Mr Shyamji misjudge it and hammer hit the index finger of left hand. He then approached to Dispensary where first aid treatment was given and later, he resumed to work.

**Hazards identified**

1. Trapping
2. Fall of a person (Slipping)
3. Human Behavior -Nonuse of PPE
4. Human Behavior -Improper house keeping
5. Inadequate local lighting
6. Throwing clay at some other person
7. Electric shock
8. Dust generation
9. Jamming of fingers/hands
10. Loose clothing causing entangling in the roller.
11. Improper way of holding the chisel (close to striking point)

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