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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:05** | **Unit: PID-2** |
| **Revision Date: 14.04.2022** | **Dept.: MECHANICAL** |

A. Work activity information

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| **Sr.No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and frequency: | Maintenance of Blower  30 min to 8 Hrs  Monthly |
| 2) | Location (s) where the work is carried out. | Blower House |
| 3) | Who normally/occasionally carries out the task? | Company workmen ,contract workmen  Maintenance engineers |
| 4) | Who else may be affected by the work? (For example visitors, subcontractors , the public) | Production, electrical and instrumentation engineers.  contract workmen and company workmen |
| 5) | a)Has the personnel been trained for performing the task?  b) Any special training required? | YES( On job training)  NO |
| 6) | Is the written system of work mandatory? If yes, state the procedure no. | **VL/IMS/PID2/BF3/WI/14** |
| 7) | Is the work permit required for the task? | YES  However no work permit is required for routine inspection / checking |
| 8) | Plant and machinery that may be used:  Eg : crusher, conveyor, crane, heavy earthing equipment, Truck etc, | Hydra, EOT CRANE |
| 9) | Are any electrically operated hand tools used? | Grinding machine, Drilling M/C |
| 10) | Are the manufacturer’s or supplier’s instructions for operation and maintenance of plant machinery and powered hand tools, available? | Yes |
| **Sr.No.** | **Details** | **Remark** |
| 11) | Are any chain blocks, tools and tackles such as wire ropes, hydraulic jacks etc used? | chain block, D shackles, Wire rope slings & belt is used, if required. |
| 12) | What material is normally handled? Size, shape, surface character and weight of materials that may be handled: | Irregular shaped. Mostly structures like gear boxes, bearing, motors, structural members etc  Weights vary from 05 kg to 250 kg |
| 13) | Is the material required to be moved by hand? If yes, distance and heights of the place where materials have to moved, by hand. | 0 - 25 kgs (max)by hand  2 – 50 mtr |
| 14) | Services used e.g.: compressed air, oxygen, acetylene,  LPG gas, hydraulic oil, welding electrodes. . | Compressed air for cleaning job.  Welding machine  Oxy / LPG gas, welding electrodes |
| 15) | Physical form of substances encountered during the work (For example fumes, gas, vapours, liquid, dust/powder, solid): | Solid & dust |
| 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 reviewed for compliance to statutory requirement? | Factory Act 1948 and Goa Factory rule 1985 – SRR/16 |
| 18) | What is the data 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

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| **Mechanical Hazard** |
| 1.Getting trapped between two objects |
| 2. Fall of material like hammer, tools, slinged items, bolts, wedges, rollers, etc. |
| 2. Fall of rotating body like coupling |
| 3. Fall of person off the platform |
| 4. Entanglement in between drums, belts, rollers, etc. |
| 5. Impact of moving / slung items. |
| 6. Getting cuts, due to sharp edges, while working. |
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| **Electrical Hazard** |
| 1. Electrical shock |
| **Chemical hazard** |
| 1. Oil splashing in eyes  2. CO poisoning |

**Physical Hazard**

1. Fire

**Human Behavior**

1. Workmen under influence of alcohol
2. Violation of procedure
3. Not wearing PPE’s
4. Not concentrating while working
5. Horseplay

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