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|  | **VEDANTA LIMITED –**  **VALUE ADDED BUSINESS** | **Format No.:** | **FRMT/MR/10** |
| **INTEGRATED MANAGEMENT SYSTEM** | **Revision Date:** | **04.04.2023** |
| **HAZARD IDENTIFICATION** | **Revision No.:** | **02** |
| **Page No.:** | **1 of 3** |

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| **Departmental Use Only** | |
| **Revision No: 04** | **Unit: MCD** |
| **Revision Date: 04.04.2023** | **Dept.: MECH** |

**A Work Activity Information**

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| Sr.No. | **Details** | Remark |
| 1) | **Task being carried out, their duration and frequency:** | Predictive Maintenance of different battery machines-Tray cylinder changing, 6 hrs, once a year |
| 2) | **Location (s) where the work is carried out.** | Battery machines-HCM |
| 3) | **Who normally/occasionally carries out the task?** | Company employee operator |
| 4) | **Who else may be affected by the work? (For example visitors, subcontractors , the public)** |  |
| 5) |  |  |
| 6) | **Is the written system of work mandatory? If yes, state the procedure no.** | WI/Safety/4.9 C/01 for PPE and protocol |
| 7) | **Is the work permit required for the task?** |  |
| 8) | **Plant and machinery that may be used:**  **Eg : crusher, conveyor, crane, heavy earthing equipment, Truck etc,** | Crane, truck |
| 9) | **Are any electrically operated hand tools used?** | Portable electrical machines |
| 10) | **Are the manufacturer’s or supplier’s instructions for operation and maintenance of plant machinery and powered hand tools, available?** |  |
| Sr.No. | **Details** | Remark |
| 11) | **Are any chain blocks, tools and tackles such as wire ropes, hydraulic jacks etc used?** | Chain block, Wire rope slings, rope, webbing slings |
| 12) | **What material is normally handled? Size, shape, surface character and weight of materials that may be handled:** | Spares, Shape machined Round or irregular structures  Weighing upto 900 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.** | Yes, from ground to 1 mt height |
| 14) | **Services used e.g.: compressed air, oxygen, acetylene,**  **LPG gas, hydraulic oil, welding electrodes. .** | . Oxygen and Acetylene, Hydraulic oil |
| 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)** | Yes |
| 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?** | 1. i. Factories Act, 1948   ii. Goa Factories Rules, 1985  Yes. |
| 18) | **What is the data required to be monitored during the activity and the frequency of monitoring?** |  |
| 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?** |  |

**B Hazard Identification**

Physical Hazard : Pressure, electrical

Chemical Hazard : NIL

Mechanical Hazard : Contact, Entanglement, Falling

Ergonomics Hazard : Poor plant/ work area layout

Health Hazard : Exposure/ contact of oil to eye

Human behaviour aspect of operators:

* Alcoholism.
* Casual approach.
* Horse play.
* Non usage of PPE’s
* Improper Housekeeping
* Height Phobia

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| **Prepared By:**  **DM MECH MCD** | **Reviewed By:**  **HOD MECH MCD** |
| **Signature:** | **Signature:** |
| **Review Date: 04.04.2023** | **Review Date: 04.04.2023** |