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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: 06** | **Unit: SP** |
| **Revision Date: 29.06.2022** | **Dept: Mechanical** |

Doc: HI/SP/MAINT/12

A. Work activity information

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| **Sr. No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and Frequency: | Maintenance of PMD/SMD  8 hrs  occasionally |
| 2) | Location (s) where the work is carried out. | PMD /SMD |
| 3) | Who normally/occasionally carried out the task | Engineer in charge  Work men on the job |
| 4) | Who else may be affected by the work (For example visitors, subcontractors, the public) | Production Engineer  Contractor workmen taken on labour supply |
| 5) | a)Has the personnel trained for performing the task  b) Any special training required | Yes (Past Experience)  No |
| 6) | Is the written system of work mandatory? If yes state the procedure no. | WI/SP/MAINT/ 12 |
| 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, | crane hydra hoist |
| 9) | Any electrically operated hand tools are used | No |
| 10) | Manufacturer’s or supplier’s instructions for operation and maintenance plant machinery and powered hand tools are available or not: | Yes |
| 11) | Chain blocks tools and shackles such as wire rope, hydraulic jack etc are used. | Yes |
| 12) | What materials are handled? Size, shape, surface character and weight of materials that may be handled: | Irregular shape mostly structures, gear box and motor  Approximately max 4T |
| 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)  2 mt height approximately |
| 14) | Services used Eg: compressed air, oxygen, acetylene,  LPG gas, hydraulic oil, welding electrode for welding | Welding machine & LPG gas for cutting set ,Hydraulic jack |
| 15) | Physical form of substances encountered during the work (For example fume, gas, vapour, liquid, dust/powder, solid): | Solid & dust, heat |
| 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: | 1. On 14.09.2014 at around 13.00 pm near PMD while heating bearing, the container having oil caught fire and the same was extinguished with the help of Fire extinguisher. 2. On 16.10.2014 at 14:00 hrs smoke  came out from welding machine no. 6 which was being used by SP Mech. at PMD.Immediately welding machine was switched off. |

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

[**Hazards identified**](file://Mgr_maint/qehs/ohsas/5%20hazard%20identifaiction%20and%20risk%20assesment%20master%20list/7%20RISK%20ASSESMENT/RA%20WIMAINT08.xls)

**Mechanical hazard**

1. Inhaling of dust.
2. Fall of material.
3. Fire/Heat hazard.
4. Exposure to excessive noise.
5. Failure of sling, chain pulley block, improper hooks welding, hoist, crane.
6. Fall of a person.
7. Entrapping between tyres & drum

**Electrical hazard**

1. Electrical shock in welding,

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| **Prepared By:**  **Mechanical In charge Sinter plant** | **Reviewed By:**  **HOD Mechanical Maintenance PID-2** |
| **Signature:** | **Signature:** |
| **Date: 29.06.2022** | **Date: 29.06.2022** |