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| Logo  Description automatically generated | **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: 03** | **Unit: Power plant 1** |
| **Revision Date: 07/08/2023** | **Dept.: MECHANICAL** |

1. **Work activity information: Certification & Inspection of cutting sets**

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| **Sr.No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and Frequency: | Certification & Inspection of cutting sets.  1- 2 hrs  Quarterly |
| 2) | Location (s) where the work is carried out. | Mechanical workshop, Plant work areas |
| 3) | Who normally/occasionally carried out the task | Work men on the job  Contractor workmen taken on labor supply |
| 4) | Who else may be affected by the work (For example visitors, subcontractors, the public) | Sub contractor workmen |
| 5) | a) Has the personnel trained for performing the task  b) Any special training required | Yes (On the Job training)  No |
| 6) | Is the written system of work mandatory? If yes state the procedure no. | WI/MECH/21 |
| 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, | 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 |
| 11) | Chain block, tools and shackles such as wire rope, hydraulic jack etc are used. | Nil |
| 12) | What materials are handled? Size, shape, surface character and weight of materials that may be handled: | Oxygen & Acetylene cylinders, Cutting set which include hoses, torch, flash back arrestor, gauges, etc. |
| 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 | Nil |
| 15) | Physical form of substances encountered during the work (For example fume, gas, vapor, 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 is reviewed for compliance to statutory requirement | Factory Act 1948 and Goa Factory rule 1985? SRR/16  Gas Cylinder Rules 2004? SRR/14 |
| 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: | Nil |

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

**Hazards identified**

1. Mechanical: Fall of tools, cylinder
2. Physical: trapping between two cylinders in stand.
3. Human error/human behavior: Non use of PPE,

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| **Prepared By:** Engineer– **MECHANICAL** – PP | **Reviewed By:** Head -Power |
| **Signature:** | **Signature:** |
| **Date: 07.08.2023** | **Date: 07.08.2023** |