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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 : Gas cutting work**

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| **Sr. No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and Frequency: | Gas cutting work  Duration – 1-2hrs.  Frequency - Daily |
| 2) | Location (s) where the work is carried out. | Plant areas like boiler, stg etc., |
| 3) | Who normally/occasionally carried out the task | Company Employees & contractor workmen. |
| 4) | Who else may be affected by the work (For example visitors, subcontractors, the public) | no |
| 5) | Training, that personnel have received the task; | -yes |
| 6) | Written systems of work and/or permit to work procedures prepared for the task: | WI/MAINT/07 |
| 7) | Plant and machinery that may be used | , cutting set |
| 8) | Powered hand tools that may be used: | NA |
| 9) | Manufacturer’s or supplier’s instructions for operation and maintenance plant machinery and powered hand tools: | Yes |
| 10) | Size, shape, surface character and weight of materials that may be handled: | Cylinders, cutting sets, cutting object |
| 11) | Distance and heights of the place where materials have to move by hand.: | Upto 30 mts. |
| 12) | Services used (For example compressed air): | -NA |
| 13) | Substance used or encountered during the work.: | Lighter, cutting set, o2 & DA cylinders |
| 14) | Physical form of substances used or encountered (For example fume, gas, vapour, liquid, dust/powder, solid): | Gas, Solid |
| 15) | Content and recommendations of safety data sheets relating to substances used or encountered: | -no |
| 16) | Relevant acts, regulations and standards relating to the work being done, the plant and machinery used and the materials used or encountered: | Factories Act |
| 17) | Available monitoring data gained as a result of information from within and outside the organization, incident, accident and ill health experience associated with the work being done, equipment and substances used: | yes |
| 18) |  |  |
| 19) |  |  |

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

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**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,
4. Chemical : fire explosion, gas leak.

**Lost time injury Incident Note** - On Apr-2018 Mr. Anil Gas cutter of M/s Janson Engineering contractor workmen met an accident while shifting cylinder trolley with cylinder. Total four workmen allotted for shifting cylinder trolley, while during shifting due to lack of internal communication Mr. Anil trying to pull trolley alone by hardly and get twisted and her leg get fractured. This workman sends him to outside for treatment

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