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| A picture containing drawing  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:3** | **Unit: PP2** |
| **Revision Date: 05.08.2023** | **Dept.: MECHANICAL** |

A. Work activity information: FRP LINE LEAKAGE ARRESTING

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| **Sr.No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and Frequency: | FRP line leakage arresting  1-3 hrs  As and when required |
| 2) | Location (s) where the work is carried out. | plant area |
| 3) | Who normally/occasionally carried out the task | Engineer in charge  Maintenance fitter/technician on the job |
| 4) | Who else may be affected by the work (For example visitors, subcontractors, the public) | None |
| 5) | a)Has the personnel trained for performing the task  b) Any special training required | Yes  No |
| 6) | Is the written systems of work mandatory. If yes state the procedure no. | **VL/IMS/PP2/MECH/WI/16** |
| 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, | F-15 Crane |
| 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: | Nil |
| **Sr.No.** | **Details** |  |
| 11) | Chain block, tools and shackles such as wire rope, hydraulic jack etc are used. | 1T chain block, Sling, D-shackle |
| 12) | What materials are handled? Size, shape, surface character and weight of materials that may be handled: | FRP pipes, valves, flanges  Irregular  Approx 300 kg max |
| 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)  1 Mt height approximately max |
| 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, vapour, liquid, dust/powder, solid): | Solid |
| 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: |  |

**Hazards identified**

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

**Hazard identification:**

Mechanical Hazard Fall of material, hammer, tools, slinged items, bolts, etc.

Trapping between two objects,

Entanglement

Failure of sling, D shackle, chain pulley block

Skidding of person due to poor housekeeping,

Back pain while handling heavy load and improper posture

Physical Hazard Water Pressure

Suffocation

Electrical Hazard Electric Shock

Human behavior improper housekeeping

Non use of PPEs

Alcoholism

Improper body positioning

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| --- | --- |
| **Prepared By:** Engineer– Operation – PP | **Reviewed By: Head - Power** |
| **Signature:** | **Signature:** |
| **Date: 05.08.2023** | **Date: 05.08.2023** |