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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: AIR COMPRESSOR MAINTENANCE

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| **Sr.No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and Frequency: | Air Compressor Maintenance  Monthly |
| 2) | Location (s) where the work is carried out. | Compressor Room |
| 3) | Who normally/occasionally carried out the task | Mechanical technician/o&m engineer |
| 4) | Who else may be affected by the work (For example visitors, subcontractors, the public) | Sub contractors. |
| 5) | a)Has the personnel trained for performing the task  b) Any special training required | Yes.  Yes |
| 6) | Is the written systems of work mandatory. If yes state the procedure no. | **VL/IMS/PP2/MECH/WI/3** |
| 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, | NA |
| 9) | Any electrically operated hand tools are used | yes |
| 10) | Manufacturer’s or supplier’s instructions for operation and maintenance plant machinery and powered hand tools are available or not: | No |
| **Sr.No.** | **Details** |  |
| 11) | Chain block, 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: | Oil, spare part max = 50 kg. |
| 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. | Yes  6 to 10 Mts. |
| 14) | Services used Eg: compressed air, oxygen, acetylene,  LPG gas, hydraulic oil, welding electrode for welding | Yes. |
| 15) | Physical form of substances encountered during the work (For example fume, gas, vapour, liquid, dust/powder, solid): | Solid, liquid |
| 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 | NA  Yes.  (Air pr. Vessels )  Yes |
| 18) | What is the data (s) required to be monitored during the activity and the frequency of monitoring. | Maintenance History of Compressor is to be documented for every 1000Hrs. maintenance. |
| 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: | NO |

**Hazards identified**

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

[**Hazards identified**](http://sgl-panj-sp-01:8080/shama/INTIGRATED%20SYSTEM-SIL/QEHS%20SYSTEM/ALL%20DEPT%20MANUAL/MECH%20DM/qehs/ohsas/5%20hazard%20identifaiction%20and%20risk%20assesment%20master%20list/4%20RISK%20ASSESMENT/WIMAINT44%20MAINTENANCE%20OF%20PUMP.xls)

Physical hazard Noise, Temperature, Dust, water pressure

Mechanical hazard Trapping between objects, Entanglement between moving parts,

Slip and fall, fall of object

Electrical Hazard Electrocution

Human behavior Improper housekeeping, Non use of PPEs, Alcoholism, Overconfidence, negligence

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