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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:** | **15.04.2020** |
| **HAZARD IDENTIFICATION** | **Revision No.:** | **01** |
| **Page No.:** | **1 of 1** |

**Rev No: 03** Unit: NPPL

Date: **28.05.2020** Dept: MECHANICAL

A. Work activity information: **Grinding operation**

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| **Sr.No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and Frequency: | Grinding operating  Frequently |
| 2) | Location (s) where the work is carried out. | Power plant |
| 3) | Who normally/occasionally carried out the task | Engineer in charge  Maintenance fitter/welder on the job  Contractor workmen on job |
| 4) | Who else may be affected by the work (For example visitors, subcontractors, the public) | Workmen working nearby |
| 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. | WI/MAINT/NPP/38 |
| 7) | Is the work permit required for the task | Yes as per the area of the Job |
| 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 | Grinder |
| 10) | Manufacturer’s or supplier’s instructions for operation and maintenance plant machinery and powered hand tools are available or not: | Yes |
| **Sr.No.** | **Details** |  |
| 11) | Chain block, tools and shackles such as wire rope, hydraulic jack etc are used. | NA |
| 12) | What materials are handled? Size, shape, surface character and weight of materials that may be handled: | Structural members  Various shape  Weight may very upto 500 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. | 5 kg by hand (tools & tackles) |
| 14) | Services used Eg: compressed air, oxygen, acetylene,  LPG gas, hydraulic oil, welding electrode for welding | Grinding wheel |
| 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 | Nil  Yes |
| 18) | What is the data (s) required to be monitored during the activity and the frequency of monitoring. | Grinding wheel usage |
| 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: | Yes |

**Hazards identified**

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**Mechanical Hazard** Contact, Entanglement, Impact, Cut injury

**Physical Hazard** Electric shock

**Human behavior** Non use of PPEs, Alcoholism, overconfidence, Negligence, Height phobia

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| **Prepared By: Abraham Mathew** | **Reviewed By: Deepak Kudalkar** |
| **Signature:** | **Signature:** |
| **Date: 28.05.2020** | **Date: 28.05.2020** |