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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** |

**Work activity information : Use of Insulating / ceramic wool / other hazardous material**

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| **Sr.No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and Frequency: | Use of Insulating / ceramic wool / other hazardous material  Duration : two month  Frequency : once in year. |
| 2) | Location (s) where the work is carried out. | Power plant boiler, turbine. |
| 3) | Who normally/occasionally carried out the task | Engineer in charge  Contractor workmen on job |
| 4) | Who else may be affected by the work (For example visitors, subcontractors, the public) | Workmen working nearby, sub contractors. |
| 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/20 |
| 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, | Truck for shifting of material, scrap material |
| 9) | Any electrically operated hand tools are used | Drill machine, |
| 10) | Manufacturer?s or supplier?s instructions for operation and maintenance plant machinery and powered hand tools are available or not: | available |
| 11) | Chain blocks 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: | Irregular shape  Approx 5 kgs 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. | Yes  10-30 mt above ground |
| 14) | Services used Eg: compressed air, oxygen, acetylene,  LPG gas, hydraulic oil, welding electrode for welding | No |
| 15) | Physical form of substances encountered during the work (For example fume, gas, vapor, liquid, dust/powder, solid): | Solid & dust powder |
| 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  No |
| 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 hazard- Falling of object, tools and other materials.
2. Electrical Hazard – Electric shock,
3. Physical Hazards - Contact heat, trapping in moving part
4. Human error/human behavior: Non use of PPE.
5. Chemical Hazards : Insulating material dust toxic to lungs, mucous membrane, fumes

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