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|  | **VEDANTA LIMITED –**  **VALUE ADDED BUSINESS** | **Format No.:** | **FRMT/MR/10** |
| **INTEGRATED MANAGEMENT SYSTEM** | **Revision Date:** | **04.04.2023** |
| **HAZARD IDENTIFICATION** | **Revision No.:** | **02** |
| **Page No.:** | **1 of 1** |

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| **Departmental Use Only** | |
| **Revision No: 06** | **Unit: MCD** |
| **Revision Date: 04.04.2023** | **Dept.: MECH** |

**A Work Activity Information**

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| Sr.No. | **Details** | Remark |
| 1) | **Task being carried out, their duration and frequency:** | Bag House Bags changing  Duration - 12 hrs.  Frequency- 3 Times. |
| 2) | **Location (s) where the work is carried out.** | Ram Car-2, Charge Car-3, Coal crusher DES |
| 3) | **Who normally/occasionally carries out the task?** | Contract workmen: Fitter, Rigger, helper |
| 4) | **Who else may be affected by the work? (For example visitors, subcontractors , the public)** | Visitors |
| 5) | **a)Has the personnel been trained for performing the task?**  **b) Any special training required?** | Yes  No |
| 6) | **Is the written system of work mandatory? If yes, state the procedure no.** | Yes. WI/Mech/10 |
| 7) | **Is the work permit required for the task?** | No |
| 8) | **Plant and machinery that may be used:**  **Eg : crusher, conveyor, crane, heavy earthing equipment, Truck etc,** | Nil |
| 9) | **Are any electrically operated hand tools used?** | Nil |
| 10) | **Are the manufacturer’s or supplier’s instructions for operation and maintenance of plant machinery and powered hand tools, available?** | Nil |
| Sr.No. | **Details** | Remark |
| 11) | **Are any chain blocks, tools and tackles such as wire ropes, hydraulic jacks etc used?** | Spanner set |
| 12) | **What material is normally handled? Size, shape, surface character and weight of materials that may be handled:** | Filter bags, steel cage; Dia- 149 mm, 3600 mm long upto 5 kgs. |
| 13) | **Is the material required to be moved by hand? If yes, distance and heights of the place where materials have to moved, by hand.** | Yes, about 10 mts |
| 14) | **Services used e.g.: compressed air, oxygen, acetylene,**  **LPG gas, hydraulic oil, welding electrodes. .** | Compressed air |
| 15) | **Physical form of substances encountered during the work (For example fumes, gas, vapours, liquid, dust/powder, solid):** | Coal fines/ powder |
| 16) | **Content and recommendations of safety data sheets relating to substances used or encountered:**  **( this is applicable in case of chemical material)** | Nil |
| 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 reviewed for compliance to statutory requirement?** | 1. Factory act, Air pollution control rules 2. No |
| 18) | **What is the data 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?** | No |

**B Hazard Identification**

Physical Hazard : Pressure

Mechanical Hazard : Trapping/Crush, Cut/Impact, Contact, Entanglement, Ejection, Falling

Ergonomics Hazard : Insufficient work space

Health Hazard : Inhalation of coal dust

Human behaviour aspect of operators:

* Alcoholism.
* Casual approach.
* Horse play.
* Non usage of PPE’s
* Improper Housekeeping
* Height Phobia

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| **Prepared By: DM MECHANICAL**  **MCD** | **Reviewed By: HOD MECHANICAL MCD** |
| **Signature:** | **Signature:** |
| **Review Date: 04.04.2023** | **Review Date:04.04.2023** |