|  |  |
| --- | --- |
| **Departmental Use Only** | |
| **Revision No: 04** | **Unit: MCD** |
| **Revision Date: 15.09.2023** | **Dept.: MECH** |

**A Work Activity Information**

|  |  |  |
| --- | --- | --- |
| **Sr.No.** | **Details** | **Remark** |
| 1) | **Task being carried out, their duration and frequency:** | Routine Maintenance & replacement of Coke Cutter, 2-4 hrs, Daily, Fortnightly, Monthly, Quarterly, Yearly |
| 2) | **Location (s) where the work is carried out.** | CSP |
| 3) | **Who normally/occasionally carries out the task?** | Company Technician & Contract workmen |
| 4) | **Who else may be affected by the work? (For example visitors, subcontractors , the public)** | Nil |
| 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.  **VL/IMS/MCD/WI/MECH/39** |
| 7) | **Is the work permit required for the task?** | Yes.  However no work permit is required for routine inspection / checking |
| 8) | **Plant and machinery that may be used:**  **Eg : crusher, conveyor, crane, heavy earthing equipment, Truck etc,** | Crane, wheel-loader, Hydra, tempo, truck mounted crane, man- basket, |
| 9) | **Are any electrically operated hand tools used?** | Welding machine, Grinding machine, |
| 10) | **Are the manufacturer’s or supplier’s instructions for operation and maintenance of plant machinery and powered hand tools, available?** | Yes - grinding machine. |
| 11) | **Are any chain blocks, tools and tackles such as wire ropes, hydraulic jacks etc used?** | Manila rope, cutting set, Spanner set, chain pulley block, hydraulic jack, belt slings |
| 12) | **What material is normally handled? Size, shape, surface character and weight of materials that may be handled:** | Roll (dia Approx 350mm) with segments. WeightApprox 1.5 MT. |
| 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 for Alignment in position. 100Mm Max |
| 14) | **Services used e.g.: compressed air, oxygen, acetylene,**  **LPG gas, hydraulic oil, welding electrodes. .** | Compressed oxygen, acetylene |
| 15) | **Physical form of substances encountered during the work (For example fumes, gas, vapours, liquid, dust/powder, solid):** | Gas, vapours, liquid, solid |
| 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?** | Factory Act 1948 and Goa Factory rule 1985 – SRR/16  Yes |
| 18) | **What is the data required to be monitored during the activity and the frequency of monitoring?** | Oxygen level, In/Out entry of all entrants In case of confined space |
| 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?** |  |

**B Hazard Identification**

Fall of Hot coke

flying of coke dust and fines

Slip due to Oil/ grease

Electrical shock

High Temperature

Impact, Entrapment, Entanglement, Slip, trip

Fall

Fire and explosion, fumes.

Poor workplace design

Inhalation of coal dust

"Human behaviour aspect:

• Alcoholism.

• Casual approach.

• Horse play.

• Non usage of PPE’s

• Improper Housekeeping

• Height Phobia"

|  |  |
| --- | --- |
| **Prepared By:**  Incharge Battery 1 Machine Mechanical Maintenance MCD | **Reviewed By:**  Head Mechanical Maintenance MCD |
| **Signature:** | **Signature:** |
| **Review Date:15.09.2023** | **Review Date:15.09.2023** |