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|  | |  |  | | --- | --- | | **Departmental Use Only** | | | **Revision No: 04** | **Unit: Met-coke Division** | | **Revision Date: 15-09-2023** | **Dept.: Mechanical** |   **A Work Activity Information**   |  |  |  | | --- | --- | --- | | **Sr.No.** | **Details** | **Remark** | | 1) | **Task being carried out, their duration and frequency:** | Inspection & Maintenance of Vibrating Screen, 2-4 hrs, Daily, Fortnightly, Monthly, Quarterly, Yearly | | 2) | **Location (s) where the work is carried out.** | CSP, Plant 6-7 | | 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/37** | | 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, vulcanizing 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.  Nil – vulcanizing machine.  Both machines are checked by electrical and certified before usage. | | 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:** | Irregular shaped. Mostly structures like gear boxes, drums, rollers, bearing, motors, structural members etc  Different weights. | | 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.  0 - 25 kgs (max)by hand  2 – 50 mtr | | 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?** | Fatality due to entrapment of person in tail drum during operation dt. 3rd Sep. 2017;  On 30.01.2023 at around 10.35 a.m. Mr. Aswanesh K (Vaaman Safety officer) was moving towards GCP from Mechanical maintenance office for signing the confined space permit of SILO No#7, All of a sudden one piece of the coke fell just 1 feet distance to the right-hand side of him. Conveyor number CB#1 which is approx.12 meters height from the ground.  On 3rd Feb 2023, at around 11:45hrs, On CB1 conveyor welding work was going on at the height. During this process, the splatters from welding activity fell on the OFC cable tray below the conveyor and OFC cable caught fire. The fire was immediately extinguished with the help of fire extinguisher.  On 07.02.2023 While safety round at Coke bunker area at around 10:00 am it was notice that MCK team of four member found working on CB 11 chute plate cutting job by standing on CB 11 without any isolation,supervision and even without pulling the pull chord ,work stopped and informed Vedanta site in charge about the incident and briefed the crew members about the consequences of the same. | |  |

**B Hazard Identification**

1 Mechanical Hazard – Trapping, Impact, Falling

2 Electrical -shock

3 Chemical hazard – DUST, TEMPERATURE

4 Human behaviours- Improper housekeeping, Non-use of PPE, Alcoholism, Height phobia

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| **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** |