Rev No: 03 Unit: BF3

Date: 28.02.2020 Dept: Maintenance

FORMAT FOR HAZARD IDENTIFICATION

A. Work activity information

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| **Sr.No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and Frequency: | Erection, dismantling and hook changing of roof sheets  8 hrs  Occasionally as per schedule |
| 2) | Location (s) where the work is carried out. | Blast Furnace and accessories , Administrative building , Canteen etc. |
| 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) | Production Department  Workmen working below nearby area |
| 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/24](file:///C:/Users/00052097/AppData/Local/departmental%20manual/11%20%20Work%20instruction/WIMAINT24%20CHANGING%20OF%20ROOF%20SHEETS.doc) |
| 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, | Hydra, truck |
| 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: | Yes |
| **Sr.No.** | **Details** | **Remark** |
| 11) | Chain block, tools and shackles such as wire rope, hydraulic jack etc are used. | 1” manilla rope, D-shackle, slings |
| 12) | What materials are handled? Size, shape, surface character and weight of materials that may be handled: | Irregular  Approximately max 20 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. | 20 kg by hand – pulley arrangement (tools & tackles)  25 mt height approximately |
| 14) | Services used Eg: compressed air, oxygen, acetylene,  LPG gas, hydraulic oil, welding electrode for welding | Oxygen, Welding electrode for welding |
| 15) | Physical form of substances encountered during the work (For example fume, gas, vapor, liquid, dust/powder, solid): | Solid & gases |
| 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 1948 and Goa Factory rules 1985-SRR/16  Hazardous waste Amendment Rules 2003  Yes |
| 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: | Incident 24/MECH/MAR/07 fall of sheet from height  Accident in Met coke due to failure of translucent sheet.  Incident 04/MECH/MAR/08 for fall of sheet in PCM  Incident 72/MECH/JAN/20 (dated 24.01.2020) for fall of sheet in PID 2 HMC shed |

2. From the above activity information hazards are to be identified and recorded below using Appendix 'A' of SP/41

[**Hazards identified**](file:///C:/Users/00052097/AppData/Local/Temp/Temp6_HIRA.zip/7%20RISK%20ASSESMENT/RA%20WIMAINT24.xls)

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| Mechanical Hazard |
| * Fall of person from height below 10 mtrs |
| * Fall of person from height above 10 mtrs - 30 mtrs |
| * Fall of material |
| Physical Hazard |
| * Inhaling asbestos powder during drilling. * Dust inhalation   **Electrical hazard**   * Electric shock while use of portable drill machine.   **Behavioral Hazards**   * Alcoholism. * Non usage of PPE’s * Casual approach while working. |
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