Rev No: 1 Unit: BF3

Date: 11.03.2020 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: | Drill bit fabrication  2 hours  Every shift |
| 2) | Location (s) where the work is carried out. | PCM and Caste house DD |
| 3) | Who normally/occasionally carried out the task | NIL |
| 4) | Who else may be affected by the work (For example visitors, subcontractors, the public) | Contractor workmen, Production/Electrical Engineers , Visitors |
| 5) | a)Has the personnel trained for performing the task  b) Any special training required | Yes (Past experience)  No |
| 6) | Is the written system of work mandatory? If yes state the procedure no. | WI/BF3/19 |
| 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. | NO |
| 9) | Any electrically operated hand tools are used | NO |
| 10) | Manufacturer’s or supplier’s instructions for operation and maintenance plant machinery and powered hand tools are available or not: | NO |
| 11) | Chain block, tools and shackles such as wire rope, hydraulic jack etc are used. | NO |
| 12) | What materials are handled? Size, shape, surface character and weight of materials that may be handled: | Irregular shape  Approximately max 5T |
| 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. | 25 kgs by hand  2 mt height and 2 mt distance. |
| 14) | Services used Eg: compressed air, oxygen, acetylene,  LPG gas, hydraulic oil, welding electrode for welding | Yes. Welding electrode for welding  Oxygen, Acetylene, Compressed air, hydraulic oil |
| 15) | Physical form of substances encountered during the work (For example fume, gas, vapour, liquid, dust/powder, solid): | Solid, fumes, dust , graphite and nitrogen, liquid(oil) |
| 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  Yes |
| 18) | What is the data (s) required to be monitored during the activity and the frequency of monitoring. | Monitoring of noise level after every 3 months |
| 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. From the above activity information hazards are to be identified and recorded below using Appendix 'A' of SP/41

**HAZARDS IDENTIFIED**

**Physical Hazard**

1. Noise, vibration, pressure, temperature.
2. Burn injury.

**Mechanical Hazard**

1. Impingement of pipe
2. Fall of pipe or tools
3. Fall of sparks in eyes, body, ear etc
4. Hitting of drill bit pipe
5. Slippage of pipe while handling

**Electrical hazard**

1. Electric shock due to improper use of welding machine.

**Behavioral Hazards**

1. Alcoholism.
2. Non usage of PPE’s
3. Casual approach while working.
4. Non usage of correct tools.