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| Logo  Description automatically generated | **VEDANTA LIMITED –**  **VALUE ADDED BUSINESS** | **Format No.:** | **FRMT/MR/10** |
| **INTEGRATED MANAGEMENT SYSTEM** | **Revision Date:** | **04.04.2022** |
| **HAZARD IDENTIFICATION** | **Revision No.:** | **02** |
| **Page No.:** | **1 of 1** |

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| **Departmental Use Only** | |
| **Revision No: 03** | **Unit: Power plant 1** |
| **Revision Date: 07/08/2023** | **Dept.: MECHANICAL** |

1. **Work activity information : Painting work.**

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| **Sr. No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and Frequency: | Painting work.  Duration – randomly |
| 2) | Location (s) where the work is carried out. | Plant boiler, STG and other Locations |
| 3) | Who normally/occasionally carried out the task | Contractor Workmen |
| 4) | Who else may be affected by the work (For example visitors, subcontractors, the public) | no |
| 5) | a)Has the personnel trained for performing the task  b) Any special training required | Yes |
| 6) | Is the written system of work mandatory. If yes state the procedure no. | WI/MAINT/05 |
| 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, | 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: | NA |
| 11) |  |  |
| 12) | What materials are handled? Size, shape, surface character and weight of materials that may be handled: | Paint can & ms rod,scaff folding pipe & clamps,scrapper |
| 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. | 50 mts & 40 mtr height |
| 14) | Services used Eg: compressed air, oxygen, acetylene,  LPG gas, hydraulic oil, welding electrode for welding | nil |
| 15) | Physical form of substances encountered during the work (For example fume, gas, vapor, liquid, dust/powder, solid): | -liquid |
| 16) | Content and recommendations of safety data sheets relating to substances used or encountered:  ( this is applicable in case of chemical material) | Factories Act |
| 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 | No incident |
| 18) | What is the data (s) required to be monitored during the activity and the frequency of monitoring. | Use of safety belt at height, disposal of painting can |
| 19) |  |  |

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

**Hazards identified**

1. **Mechanical hazard -**

Failure body harness safety belt due to improper clamping,

Falling of objects, tools and other material from height

Fall of person from height above 10 to 40 material handling heavy load and improper posture

Slipping/Rolling of trolley while loading/unloading, Sliding/rolling of the material from vehicle.

1. **Physical hazard**

Contact, Impact, trapping between two object,

1. **Human behaviours**

Non usage of PPE, hydra ooperator nature, alcoholism, casual approach.

Fire due to fall of sparks welding / gas cutting

Human behavior aspect of operators : Operator nature, alcoholism, casual approach & non usage of PPEs.

1. **Chemical hazard** - Fire & Explosion, CO monitor to be use while working in BFG system.

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| **Prepared By:** Engineer– MECHANICAL – PP | **Reviewed By:** Head -Power |
| **Signature:** | **Signature:** |
| **Date: 07.08.2023** | **Date: 07.08.2023** |