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| A picture containing graphics, font, graphic design, 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** |

**Rev No: 2**

Unit: PID 1

Date: 04.04.2022 Dept: ELECTRICAL

ELECT-10

Work activity information : **Cable laying at height.**

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| **Sr.No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and Frequency: | Cable laying at height  Duration: 08 hrs  Frequency: As and when required |
| 2) | Location (s) where the work is carried out. | All over the plant |
| 3) | Who normally/occasionally carried out the task | Contractor employees |
| 4) | Who else may be affected by the work (For example visitors, subcontractors, the public) | Subcontractor and visitors |
| 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/ELECT/22 |
| 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, | Nil |
| 9) | Any electrically operated hand tools are used | Nil |
| 10) | Manufacturer’s or supplier’s instructions for operation and maintenance plant machinery and powered hand tools are available or not: | NA |
| **Sr.No.** | **Details** |  |
| 11) | Chain block, tools and shackles such as wire rope, hydraulic jack etc are used. | Nil |
| 12) | What materials are handled? Size, shape, surface character and weight of materials that may be handled: | Cable upto the size of 3.5 C\*400 sqmm and weight depending on the length of the cable |
| 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. | Distance: 200 mts  Height: 10 mts |
| 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, vapour, liquid, dust/powder, solid): | Nil |
| 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 is reviewed for compliance to statutory requirement | IE rule 1956  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: | -Near miss case dated 25/01/04  -NMC dated 21/02/2005 cable got burnt due to fire of oily cotton cloth and grass  -NMC dated 10/11/2005 cable got burnt due to fire of grass  - NMC dated 20/01/2006 cable joint got burnt and grass caught fire.  NMC dated 08/11/2016 cable feeding supply to jetty pump panel had got damaged.  Incident dated 19/04/2017:Electrical Cable feeding supply to Administration building and laboratory caught fire due to cable failure behind admin building. Supply was immediately switched off. Flame due to burning of cable insulation was extinguished with the help of fire extinguisher. |

**Hazards identified**

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| **Prepared By:**  Senior Elect. Engineer | **Reviewed & Issued By:**  Management Representative | **Approved By:**  Head – Electrical & Instrumentation PID I |
| **Signature** | **Signature:** | **Signature:** |
| **Review Date: 04.03.2023** | **Review Date: 04.03.2023** | **Review Date: 04.03.2023** |