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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-54

Work activity information : **High Mast lighting tower lowering/hoisting, lighting maint, cable/wire rope replacement etc.**

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| **Sr.No.** | **Details** | **Remark** |
| 1) | Task being carried out, their duration and frequency: | High mast tower Hoisting/Lowering, Light fitting Maint, Cable/wire rope replacement of High mast tower.  Duration: 08hrs  Frequency: As and when required |
| 2) | Location (s) where the work is carried out. | High mast tower at all over the plant locations |
| 3) | Who normally/occasionally carries out the task? | Contractor Person, Electrician, Engineer. |
| 4) | Who else may be affected by the work? (For example visitors,subcontractors , the public) | Visitor , contractor/ Company employees |
| 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. | No |
| 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, | Telescopic Crane for erection of high mast tower |
| 9) | Are any electrically operated hand tools used? | Nil |
| 10) | Are the manufacturer’s or supplier’s instructions for operation and maintenance of plant machinery and powered hand tools, available? | Yes. |
| **Sr.No.** | **Details** | **Remark** |
| 11) | Are any chain blocks, tools and tackles such as wire ropes, hydraulic jacks etc used? | Wire rope sling, D-shackle |
| 12) | What material is normally handled? Size, shape, surface character and weight of materials that may be handled: | High Mast Tower & it’s accessories like cradle, cables, wire rope. Height of High mast is 30mts. |
| 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 , only light fittings |
| 14) | Services used e.g.: compressed air, oxygen, acetylene,  LPG gas, hydraulic oil, welding electrodes. . | Nil |
| 15) | Physical form of substances encountered during the work (For example fumes, gas, vapours, liquid, dust/powder, solid): | Dust |
| 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? | IE rule 1956  Yes, Ensure Periodic testing of telescopic crane before using |
| 18) | What is the data 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? | Nil |

**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** |