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| ***Suggestions for improvement of hazard management plan.*** | | | | | | |
| ***SL*** | ***Activity*** | ***Hazard code*** | ***Hazard*** | ***Mechanism/Risk factor*** | ***Hazard control procedure*** | ***Comment*** |
| *1* |  | *CHP-1* | *Collapse of CHP structure.* | *Hitting CHP structure with HEMM.*  *Falling of HEMM into crusher pit.* | *Training and sensitization of HEMM operator.*  *Installation of rear view camera and proximity alarm on HEMM.*  *Construction of berm of suitable strength and height around receiving pits and avoiding deployment of dozers for pit cleaning.* | *Many incidents were recently reported about HEMM hitting and damaging CHP structure.*  *Deformation on CHP structures due to HEMM impact can be easily seen. It is thus clear that this is a potent safety hazard with frequent occurrence and therefore must be addressed.* |
| *2* |  | *CHP-4* | *Fall of coal or other object form height from conveyor or other structures.* | *The design of conveyors pathways in phase-2 of dudhichua CHP is prone to slippage of material form sideways.*  *Pathway sides are wide open and uncontained.*  *Persons working in conveyors may slip out of conveyor and fall on ground.* | *Modification of conveyor deck structure to install containment along sideways of suitable height.* | *Conveyors at phase-2 reclaim section are at very high height of 20-50m. Falling of object or person from such height is a very high risk hazard. The existing structure imparts high probability to such incidents.* |
| *3* |  |  | *Transportation of pole. (Tubular/rail)*  *By*  *trailer: up to 30nos*  *truck: up to 8 nos*  *Dragging: 2 to 3 nos.* | *Untrained man*  *Unsupervised*  *Not loaded in proper way*  *Not tagged in proper way*  *Tagging rope has no proper strength.*  *Un specified vehicles are used.*  *Poor illumination.* |  |  |
| *4* | Operation of Overhead  Transmission Line  /equipment | ELC -1 | Electrocution of person from Overhead (OH)  Lines due to inadequate clearance | *Poor supervision, control and management.* |  |  |
| *5* | Operation & maintenance  work at Substation &  Switchyard | ELC-5 | Fire / Explosion | *Undersized conductors are used for connection.*  *Guarding over transformer is any conductor is passing over transformer.* |  |  |
| *6* | Operation and  maintenance at Substation  & switch yard | ELC-4 | Electrocution /burn /arc while working at  substation & Switchyard | *Breaker, other electrical equipment are not properly earthed.* |  |  |
|  | Working on Electrical  Poles /Towers/  Switchgears | ELC-3 | Electrocution - Shock/Burn while working  on poles/ towers/ switchgears | *Weather condition not considered during maintenance work.* |  |  |