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|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------|---------------|-----------|---|
|    | Medupi Power Station<br>Supply and Delivery Boiler Tubes Protection Shields Spares Specific Baseline Risk Assessment |                                                                          | Document Identifier                           | 240-163369189 | Rev       | 3 |
|                                                                                       |                                                                                                                      |                                                                          | Effective Date                                |               | 01-Apr-21 |   |
|                                                                                       |                                                                                                                      |                                                                          | Review Date                                   |               | Mar-28    |   |
|                                                                                       |                                                                                                                      |                                                                          |                                               |               |           |   |
| MEDUPI POWER STATION IDENTIFIED HAZARDS AND RISK FOR PROJECT BASELINE RISK ASSESSMENT |                                                                                                                      |                                                                          |                                               |               |           |   |
| LIST OF ACTIVITIES                                                                    |                                                                                                                      | HAZARD                                                                   | RISK                                          |               |           |   |
| Driving activities                                                                    |                                                                                                                      | Speeding                                                                 | Accident – fatality                           |               |           |   |
| Driving activities                                                                    |                                                                                                                      | Uneven road/floor surfaces                                               | Accident – fatality                           |               |           |   |
| Driving activities                                                                    |                                                                                                                      | Wild animals                                                             | Accident – collision                          |               |           |   |
| Driving activities                                                                    |                                                                                                                      | Driving under the influence of alcohol                                   | Vehicle accident                              |               |           |   |
| Driving activities                                                                    |                                                                                                                      | Substance abuse                                                          | Vehicle accident                              |               |           |   |
| Use of cell phone while driving                                                       |                                                                                                                      | Community unrest/strikes                                                 | Damage to property incidents                  |               |           |   |
| Driving activities                                                                    |                                                                                                                      | Incompetent driver/operator                                              | Property damages incidents                    |               |           |   |
| Driving activities                                                                    |                                                                                                                      | Incompetent driver                                                       | Collision with other vehicles                 |               |           |   |
| Driving activities                                                                    |                                                                                                                      | Use of cell phone while driving                                          | Accident – fatality                           |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Manual handling                                                          | Musculoskeletal Disorder                      |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Unsecured load or package                                                | Damage to the load                            |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Unsecured load or package                                                | Load falling onto body parts causing injuries |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Sharp edges                                                              | Finger cuts injuries                          |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Spillage                                                                 | Environmental contravention/ slip and fall    |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Pinch Point                                                              | Hand and finger injuries                      |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Lifting heavy object/Use of incorrect lifting techniques                 | Masco                                         |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Dust( ash from ash silos)                                                | Respiratory disease                           |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Hazard from nature                                                       | Snake, spider and babon attack                |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Poor visibility                                                          | Trip and fall - injury                        |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Lone working                                                             | Medical condition and animal attacks          |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Lifting of heavy stock                                                   | Body injuries                                 |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Wearing dark clothing while off loading and walking around the warehouse | Hit by mobile equipment (Lifting Equipment)   |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Poor ergonomics                                                          | Musculoskeletal Disorder                      |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Bullying and Harrassment                                                 | Effects on mental Health                      |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | High Ambient temperatures                                                | Fatigue and body exhaustion                   |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      | Uneven surfaces                                                          | Trip and fall - injury                        |               |           |   |
| Offloading and storage activities                                                     |                                                                                                                      |                                                                          |                                               |               |           |   |

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