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| 2                        | Manual Loading and Offloading - Manual Handling (Ergonomics)                                   | 1.Improper manual loading and off loading procedure<br>2. Nip & Pinch Points<br>3. Poor Communication<br>4. Slipping & Tripping Hazards<br>5. Employee handling materials / equipment that is to heavy to lift<br>6. Materials / equipment or tools falling                                                                                                                                                              | <table><tr><td>1. Health &amp; safety (I)</td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>2. Cost (C)</td><td></td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>60%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>2</td><td></td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>40%</td></tr><tr><td>4. Environment (E)</td><td></td><td></td><td>1</td><td>1</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>20%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>45%</td></tr></table>   | 1. Health & safety (I) | 3 |     | 3   | 1 | 5   | 125  | 5 | 5 | 75  | 60%  | 2. Cost (C) |  |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 60% | 3. Productivity (P) |  | 2 |  | 2 | 1 | 5 | 125 | 5 | 5 | 40% | 4. Environment (E) |  |  | 1 | 1 | 1 | 5 | 125 | 5 | 5 | 20% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 45% | Mandatory or as per requirement | Signage Posted at Designated Storage Areas     | 1. Manual handling / lifting Safe work Procedure and Risk Assessment to be communicated to all workers on site. (Keep proof of communication in safety file)<br>2. Workers assisting each other to lift must communicate with each other to ensure safe lifting and lowering of items.<br>3. Before offloading or handling any materials, equipment or tools, ensure walkways are clear and free from tripping hazards.<br>4. Workers to assist each other if intended load to be lifted exceeds 25kg (per person).<br>5. Workers / Supervisors to ensure materials, equipment and tools are secure when offloading.<br>6. When manual lifting the correct procedure must be used, workers to lift loads using their legs and not their back.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Principal Contractor |
| 1. Health & safety (I)   | 3                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                      | 5 | 125 | 5   | 5 | 75  | 60%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |                     |  |   |  |   |   |   |     |   |   |     |                    |  |  |   |   |   |   |     |   |   |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 2. Cost (C)              |                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                          | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                      | 1 | 5   | 125 | 5 | 5   | 60%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |                     |  |   |  |   |   |   |     |   |   |     |                    |  |  |   |   |   |   |     |   |   |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 3. Productivity (P)      |                                                                                                | 2                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2                      | 1 | 5   | 125 | 5 | 5   | 40%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |                     |  |   |  |   |   |   |     |   |   |     |                    |  |  |   |   |   |   |     |   |   |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 4. Environment (E)       |                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                      | 1 | 5   | 125 | 5 | 5   | 20%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |                     |  |   |  |   |   |   |     |   |   |     |                    |  |  |   |   |   |   |     |   |   |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| Total Average Risk Value |                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                        |   |     |     |   |     | 45%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |                     |  |   |  |   |   |   |     |   |   |     |                    |  |  |   |   |   |   |     |   |   |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 3                        | Lifting Operations - (includes truck crane, mobile crane, Lifting Machinery as per DMR 18(11)) | 1. Incompetent Operator<br>2. Unsafe Lifting Machine (Substandard)<br>3. Man - Machine interface<br>4. Defecting Lifting equipment(slings, chains, ropes etc.)<br>5. Incorrect lifting equipment used for specific operations<br>6. Uneven surfaces<br>7. Surrounding structures and other machinery or equipment<br>8. Incompetent Rigger<br>9. Inclement Weather (high winds, lightning)<br>10. Poor ground conditions | <table><tr><td>1. Health &amp; safety (I)</td><td>5</td><td></td><td>5</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>125</td><td>100%</td></tr><tr><td>2. Cost (C)</td><td></td><td></td><td>4</td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>80%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>60%</td></tr><tr><td>4. Environment (E)</td><td></td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>40%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>70%</td></tr></table> | 1. Health & safety (I) | 5 |     | 5   | 1 | 5   | 125  | 5 | 5 | 125 | 100% | 2. Cost (C) |  |  | 4 | 4 | 1 | 5 | 125 | 5 | 5 | 80% | 3. Productivity (P) |  | 3 |  | 3 | 1 | 5 | 125 | 5 | 5 | 60% | 4. Environment (E) |  |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 40% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 70% | Mandatory or as per requirement | Warning Signage to be Posted at Lifting area   | 1. Only appointed competent operator will be authorised to operate lifting machinery (Competency must be valid)<br>2. Lifting Machine must be inspected before use, and finding to be recorded on checklist, any deviations must be recorded and reported to supervisor.<br>3. Load test certificate and maintenance schedule (Service history) must be available and valid for the lifting machine to be used<br>4. All lifting equipment must be inspected before use and findings to be recorded on a checklist, any deviations must be recorded and reported to supervisor. Load test for all lifting equipment must be valid and available on site.<br>5. Appointed / competent rigger to indicate the correct lifting equipment to be used. Rigger to use a whistle as communication method when lifting is taking place to warn surrounding areas.<br>6. Operator to inspect work area before work, to identify any unsafe ground conditions or uneven surfaces, Operator to ensure outrigger are used with base plates to level the lifting machine.<br>7. Lifting operations will not be allowed in windy conditions or when raining.<br>8. SWP & Risk assessment to be communicated to all involved with lifting operations<br>9. Lifting area to be barricaded with solid barricading and warning signage to be posted. No other work operations will be allowed in close vicinity with the lifting operations<br>10. Ensure 3 point contact when climbing on and off the lifting machine<br>11. Lifting equipment to be clearly and conspicuously marked with the maximum mass load (MML) that it is designed to carry safely. When the MML varies with the conditions of use, the table of maximum loads should be used by the driver/operator;<br>12. Lifting equipment be fitted with a brake or other applicable device capable of holding the MML. This brake or device must automatically prevent the downward movement of the load when the lifting power is interrupted; | Principal Contractor |
| 1. Health & safety (I)   | 5                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                      | 5 | 125 | 5   | 5 | 125 | 100% |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |                     |  |   |  |   |   |   |     |   |   |     |                    |  |  |   |   |   |   |     |   |   |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 2. Cost (C)              |                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                          | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4                      | 1 | 5   | 125 | 5 | 5   | 80%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |                     |  |   |  |   |   |   |     |   |   |     |                    |  |  |   |   |   |   |     |   |   |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 3. Productivity (P)      |                                                                                                | 3                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3                      | 1 | 5   | 125 | 5 | 5   | 60%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |                     |  |   |  |   |   |   |     |   |   |     |                    |  |  |   |   |   |   |     |   |   |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 4. Environment (E)       |                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2                      | 1 | 5   | 125 | 5 | 5   | 40%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |                     |  |   |  |   |   |   |     |   |   |     |                    |  |  |   |   |   |   |     |   |   |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| Total Average Risk Value |                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                        |   |     |     |   |     | 70%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |                     |  |   |  |   |   |   |     |   |   |     |                    |  |  |   |   |   |   |     |   |   |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 4                        | Exposure of underground services                                                               | 1. Underground water lines<br>2. Underground Electrical cables<br>3. Manual Excavations<br>4. Machine Excavations                                                                                                                                                                                                                                                                                                        | <table><tr><td>1. Health &amp; safety (I)</td><td>5</td><td></td><td>5</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>125</td><td>100%</td></tr><tr><td>2. Cost (C)</td><td></td><td></td><td>4</td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>80%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>60%</td></tr><tr><td>4. Environment (E)</td><td></td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>40%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>70%</td></tr></table> | 1. Health & safety (I) | 5 |     | 5   | 1 | 5   | 125  | 5 | 5 | 125 | 100% | 2. Cost (C) |  |  | 4 | 4 | 1 | 5 | 125 | 5 | 5 | 80% | 3. Productivity (P) |  | 3 |  | 3 | 1 | 5 | 125 | 5 | 5 | 60% | 4. Environment (E) |  |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 40% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 70% | Mandatory or as per requirement | Warning Signage to be Posted at excavated area | 1. Scanning devices to be used prior any excavation issues in order to determine live services and avoid electrocution or damage to existing water lines.<br>2. Drawings can be used to identify any underground services (If drawings are available)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Principal Contractor |
| 1. Health & safety (I)   | 5                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                      | 5 | 125 | 5   | 5 | 125 | 100% |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |                     |  |   |  |   |   |   |     |   |   |     |                    |  |  |   |   |   |   |     |   |   |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 2. Cost (C)              |                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                          | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4                      | 1 | 5   | 125 | 5 | 5   | 80%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |                     |  |   |  |   |   |   |     |   |   |     |                    |  |  |   |   |   |   |     |   |   |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 3. Productivity (P)      |                                                                                                | 3                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3                      | 1 | 5   | 125 | 5 | 5   | 60%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |                     |  |   |  |   |   |   |     |   |   |     |                    |  |  |   |   |   |   |     |   |   |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 4. Environment (E)       |                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2                      | 1 | 5   | 125 | 5 | 5   | 40%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |                     |  |   |  |   |   |   |     |   |   |     |                    |  |  |   |   |   |   |     |   |   |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| Total Average Risk Value |                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                        |   |     |     |   |     | 70%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |                     |  |   |  |   |   |   |     |   |   |     |                    |  |  |   |   |   |   |     |   |   |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |

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| 5                      | Mechanical and Hand Excavations/Backfilling       | <div>1. Unsuitable ground conditions for excavation work that may lead to excavation collapse</div> <div>2. Man machine interaction,</div> <div>3.Dust generation</div> <div>4. Noise generation (especially during rock breaking)</div> <div>5. Unbarricaded excavations/trenches</div> <div>6. Damage to existing services during excavations</div> <div>7. Oil spillages causing ground contamination</div> <div>8. Incompetent Operator</div> <div>9. Substandard Machinery used for excavation.</div> <div>10. Unsafe / self-made hand tools used</div> <div>11. Working in direct sun / Heat stress</div> | <table><tr><td>1. Health &amp; safety (I)</td><td>5</td><td></td><td></td><td>5</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>125</td><td>100%</td></tr><tr><td>2. Cost (C)</td><td></td><td></td><td>4</td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>4. Environment (E)</td><td></td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr></table> <div>Total Average Risk Value</div> <div>75%</div> | 1. Health & safety (I) | 5 |   |     | 5 | 1 | 5   | 125  | 5 | 5 | 125 | 100% | 2. Cost (C) |  |  | 4 | 4 | 1 | 5 | 125 | 5 | 5 | 100 | 80% | 3. Productivity (P) |  | 3 |  | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | 4. Environment (E) |  |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | Mandatory or as per requirement | Warning Signage to be Posted at excavated area<br>Unauthorised entry Prohibited | <div>1. Shore/brace excavations to prevent caving/falling in and provide access ladder. Soil dumped at least 1m away from edge of excavation and no material to be kept closer to the edge of excavation.</div> <div>2. Traffic control to be managed to prevent collision of mobile plant as well as collision with personnel.</div> <div>3. Dust suppression methods to be used when required and employees to be provided with dust masks when required.</div> <div>4. In residential areas noisy activities to be conducted at timings specified by laws.</div> <div>5. Excavations guarded/barricaded/lighted after dark in public areas and when there is no work conducted. All excavations are subject to daily inspections by a competent appointed person. Excavations must be kept open to the minimum, do not leave open for long periods.</div> <div>6. Scanning devices to be used to identify underground services prior excavation works, in order to prevent cable damage and possible electrocution.</div> <div>7. Spill kit to be used for any Chemical spillages on site.</div> <div>8. Only competent / Appointed operators authorised to operate machinery (must have valid Competency, medical and PDP)</div> <div>9. Machinery must be inspected before use, findings to be recorded on a checklist, any deviations must be recorded and reported to a supervisor. Service / maintenance schedule / history must be available for the specific machinery.</div> <div>10. SWP &amp; Risk Assessment to be communicated to all workers involved.</div> <div>11. All hand tools must be inspected and recorded on a checklist. NO SELF-MADE tools will be allowed.</div> <div>12. Workers working in direct sun / heat must take regular water breaks to ensure they stay hydrated</div> <div>13. Excavation work must be carried out under the supervision of a competent person who has been appointed in writing.</div> <div>14. Before excavation work begins the stability of the ground must be evaluated.</div> <div>15. Every excavation must be provided with means of access that must be within 6 meters of any employee within the excavation at any time. Should ladders be utilized for this purpose they should be duly secured</div> <div>16. Only workers declared medically fit are allowed to work inside an excavation, Proof of Medical must be valid and available on site.</div>         | Principal Contractor |
| 1. Health & safety (I) | 5                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5                      | 1 | 5 | 125 | 5 | 5 | 125 | 100% |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 2. Cost (C)            |                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                      | 1 | 5 | 125 | 5 | 5 | 100 | 80%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 3. Productivity (P)    |                                                   | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3                      | 1 | 5 | 125 | 5 | 5 | 75  | 60%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 4. Environment (E)     |                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                      | 1 | 5 | 125 | 5 | 5 | 75  | 60%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 6                      | Construction vehicles and mobile Plant operations | <div>1. Construction vehicles not roadworthy</div> <div>2. Employees transport facilities not roadworthy</div> <div>3. Mobile plant used in the project unsafe or substandard</div> <div>4. Intoxicated operator</div> <div>5. Vehicles left unattended when not operated</div> <div>6. Speeding</div> <div>7. Overloading vehicles or Plant</div>                                                                                                                                                                                                                                                              | <table><tr><td>1. Health &amp; safety (I)</td><td>4</td><td></td><td></td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>2. Cost (C)</td><td></td><td></td><td>4</td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>4. Environment (E)</td><td></td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr></table> <div>Total Average Risk Value</div> <div>65%</div>  | 1. Health & safety (I) | 4 |   |     | 4 | 1 | 5   | 125  | 5 | 5 | 100 | 80%  | 2. Cost (C) |  |  | 4 | 4 | 1 | 5 | 125 | 5 | 5 | 100 | 80% | 3. Productivity (P) |  | 3 |  | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | 4. Environment (E) |  |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | Mandatory or as per requirement | Speed Limit Signage and Heavy Vehicle Movement Signage to be posted on site     | <div>1. All construction vehicles and mobile plant have to comply with Construction regulations and Driven Machinery Regulations. Other construction vehicles used must have a valid roadworthy certificate</div> <div>2. Employees to be transported to and from work in a safe manner, never to be carried at the back of bakkies and trucks.</div> <div>3. Mobile plant operating on site to fully comply with CR 23. Maintenance / Service history must be available on site and Used in accordance with their design and intention for which they were designed</div> <div>4. Random alcohol and drug tests to be introduced and maintained</div> <div>5. Ensure vehicles are isolated when not in operation, Construction vehicles and mobile plant left unattended after hours adjacent to roads and areas where there is traffic movement must be fitted with lights, reflectors or adequate barricades to prevent moving traffic from a sudden emergency, or to come into contact with the parked construction vehicles and mobile plant. In addition construction vehicles and mobile plant left unattended after hours must be parked with all buckets, booms etc. full lowered, the emergency brakes engaged and, where necessary, the wheels chocked, the transmission in neutral and the motor switched off and the ignition key removed and stored safely.</div> <div>6. Operators to drive according to the required speed limit on site and on public roads.</div> <div>7. All drivers must be appointed and must have a valid drivers license and PDP/Competency certificate</div> <div>8. Vehicles or plant not to exceed the prescribed weight limit of the plant or vehicle.</div> <div>9. Construction Vehicle to be Fitted with adequate signaling devices to make movement safe including reversing: Fitted with two head and two tail lights that is in good working condition whilst operating under poor visibility conditions.</div> <div>10. No loose tools, material etcetera is allowed in the driver and/or operators compartment/cabin nor in the compartment in which any other persons are transported.</div> <div>11. The construction site must be organized to facilitate the movement of construction vehicles and mobile plant in such a manner that pedestrians and other vehicles are not endangered. Traffic routes to be suitable, sufficient in number and adequately demarcated.</div> | Principal Contractor |
| 1. Health & safety (I) | 4                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                      | 1 | 5 | 125 | 5 | 5 | 100 | 80%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 2. Cost (C)            |                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                      | 1 | 5 | 125 | 5 | 5 | 100 | 80%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 3. Productivity (P)    |                                                   | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3                      | 1 | 5 | 125 | 5 | 5 | 75  | 60%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 4. Environment (E)     |                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                      | 1 | 5 | 125 | 5 | 5 | 50  | 40%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |

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| 7                        | Hot works (Grinding, Cutting, Welding, Drilling, Flame cutting, Soldering) | <div>1. Incompetent employees conducting hot works</div> <div>2. Improper storage of welding material</div> <div>3. Hot works conducted in view of employees</div> <div>4. Unsafe/ damaged equipment used</div> <div>5. Sparks</div> <div>6. Fire</div> <div>7. Hot work near flammable materials</div> <div>8. Unsecured / unsafe storage of cylinders</div> <div>9. Substandard PPE used</div> <div>10. Overhead Hot work operations</div> <div>11. Hot works in wet conditions</div> <div>12. Incorrect Discs used when cutting</div> <div>13. No Guards in Place when cutting / Grinding.</div> <div>14. Incorrect fittings used when connecting pipes to cylinders</div> <div>15. Gauges not working on cylinders</div> <div>16. No fire fighting equipment or fire fighter available</div> <div>17. Hot work area not barricaded</div> | <table><tr><td>1. Health &amp; safety (I)</td><td>4</td><td></td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>2. Cost (C)</td><td></td><td>4</td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>4. Environment (E)</td><td></td><td>2</td><td></td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>50</td><td>40%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>65%</td></tr></table>   | 1. Health & safety (I) | 4 |     | 4   | 1 | 5   | 125  | 5 | 5 | 100 | 80%  | 2. Cost (C) |  | 4 | 4 | 1 | 5 | 125 | 5 | 5 | 100 | 80%  | 3. Productivity (P) |  | 3 |  | 3 | 1 | 5 | 125 | 5 | 75  | 60% | 4. Environment (E) |  | 2 |  | 2 | 1 | 5 | 125 | 5 | 50 | 40% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 65% | Mandatory or as per requirement | Warning Signage to be posted at Designated Hot work area                                                     | <div>1. Only competent workers with the required skills and knowledge will be appointed to operate such machinery like grinders, welding machines, cutting torch etc.</div> <div>2. Gas cylinders when used to be safely stored and to be secured, when not in use, in a cool place, upright position and locked store room.</div> <div>3. All hot works to be conducted in an enclosed place away from public and employees conducting other activities. Welding screens to be placed at welding areas and solid barricading used to close off areas</div> <div>4. All equipment used for Hot works must be inspected before use, all findings to be recorded on a checklist and any deviation must be recorded and reported to a supervisor, all guards must be in place and correct blades/ discs or drill bits to be used.</div> <div>5. If conducting hot works near flammable materials or the bush, spark containment must be used, for example fire blankets, welding screens and wetting the areas with water.</div> <div>6. Fire extinguishers must be placed near areas where hot works are conducted, and a trained competent appointed fire fighter to be available onsite.</div> <div>7. SABS approved PPE to be issued and used on site. Task specific PPE is required for Hot work activities, for example welding helmet, face shield when cutting, safety glasses, dust masks, welding apron etc.</div> <div>8. No Overhead Hot works will be allowed, if Hot work is required at height it should be done from a approved scaffold or MEWP. Then the area below should be barricaded to prevent workers from entering that area.</div> <div>9. Hot work will not be allowed in wet conditions, electrical cables must be made safe and free from water.</div> <div>10. All cylinders used onsite must be fitted with the correct fittings and clamps when connecting the hoses. All gauges must be in good working condition.</div> <div>11. All new vessels must be checked for leaks, leaking vessels should NOT be used. Equipment must be identified/numbered and entered into a register.</div>                                                                                                                                                                                                              | Principal Contractor |
| 1. Health & safety (I)   | 4                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5   | 5 | 100 | 80%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |     |     |                    |  |   |  |   |   |   |     |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 2. Cost (C)              |                                                                            | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5   | 5 | 100 | 80%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |     |     |                    |  |   |  |   |   |   |     |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 3. Productivity (P)      |                                                                            | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                      | 1 | 5   | 125 | 5 | 75  | 60%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |     |     |                    |  |   |  |   |   |   |     |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 4. Environment (E)       |                                                                            | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                      | 1 | 5   | 125 | 5 | 50  | 40%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |     |     |                    |  |   |  |   |   |   |     |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| Total Average Risk Value |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |   |     |     |   |     | 65%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |     |     |                    |  |   |  |   |   |   |     |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 8                        | Limited recourses to conduct all task                                      | <div>1. Contractual non compliance</div> <div>2. Schedule and cost over run on project</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <table><tr><td>1. Health &amp; safety (I)</td><td>1</td><td></td><td>1</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>25</td><td>20%</td></tr><tr><td>2. Cost (C)</td><td></td><td>4</td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>4</td><td></td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>4. Environment (E)</td><td></td><td>1</td><td></td><td>1</td><td>1</td><td>5</td><td>125</td><td>5</td><td>25</td><td>20%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>50%</td></tr></table>   | 1. Health & safety (I) | 1 |     | 1   | 1 | 5   | 125  | 5 | 5 | 25  | 20%  | 2. Cost (C) |  | 4 | 4 | 1 | 5 | 125 | 5 | 5 | 100 | 80%  | 3. Productivity (P) |  | 4 |  | 4 | 1 | 5 | 125 | 5 | 100 | 80% | 4. Environment (E) |  | 1 |  | 1 | 1 | 5 | 125 | 5 | 25 | 20% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 50% | Mandatory or as per requirement |                                                                                                              | <div>1. Client to ensure that contractor is well aware of current scope definition as well as the requirements stipulated in the tender specifications.</div> <div>2. Contractor to ensure compliance on set specifications from client</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Principal Contractor |
| 1. Health & safety (I)   | 1                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5   | 5 | 25  | 20%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |     |     |                    |  |   |  |   |   |   |     |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 2. Cost (C)              |                                                                            | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5   | 5 | 100 | 80%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |     |     |                    |  |   |  |   |   |   |     |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 3. Productivity (P)      |                                                                            | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                      | 1 | 5   | 125 | 5 | 100 | 80%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |     |     |                    |  |   |  |   |   |   |     |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 4. Environment (E)       |                                                                            | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                      | 1 | 5   | 125 | 5 | 25  | 20%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |     |     |                    |  |   |  |   |   |   |     |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| Total Average Risk Value |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |   |     |     |   |     | 50%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |     |     |                    |  |   |  |   |   |   |     |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 9                        | Scaffolding                                                                | <div>1. Unsafe scaffold materials used</div> <div>2. Offloading and Loading of scaffold material.</div> <div>3. Incompetent scaffold erectors</div> <div>4. Incompetent scaffold Inspector</div> <div>5. Substandard scaffold, not as per SANS 10085</div> <div>6. Uneven surfaces / Unstable surfaces</div> <div>7. Inclement weather conditions</div> <div>8. Unsafe access</div> <div>9. Unsafe stacking and storage of scaffold materials</div> <div>10. Stacking and storage of materials on top of scaffold platform</div> <div>11. Overhead Powerlines</div> <div>12. Unsafe / damaged safety harnesses used</div>                                                                                                                                                                                                                    | <table><tr><td>1. Health &amp; safety (I)</td><td>5</td><td></td><td>5</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>125</td><td>100%</td></tr><tr><td>2. Cost (C)</td><td></td><td>5</td><td>5</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>125</td><td>100%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>4. Environment (E)</td><td></td><td>2</td><td></td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>50</td><td>40%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>75%</td></tr></table> | 1. Health & safety (I) | 5 |     | 5   | 1 | 5   | 125  | 5 | 5 | 125 | 100% | 2. Cost (C) |  | 5 | 5 | 1 | 5 | 125 | 5 | 5 | 125 | 100% | 3. Productivity (P) |  | 3 |  | 3 | 1 | 5 | 125 | 5 | 75  | 60% | 4. Environment (E) |  | 2 |  | 2 | 1 | 5 | 125 | 5 | 50 | 40% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 75% | Mandatory or as per requirement | Scaffold must be tagged - Safe to use or unsafe to use. Scaffold inspection Signage to be posted on scaffold | <div>1. No damaged or unsafe scaffold materials allowed to be used for erecting of scaffold.</div> <div>2. Workers to assist each other when lifting and handling of scaffold materials, gloves must be worn to prevent pinch point on hand and fingers.</div> <div>3. Only appointed / competent scaffold erector to erect and dismantle scaffold, Proof of competency must be valid and available on site.</div> <div>4. Only appointed / competent scaffold inspector to inspect and approve scaffold, Proof of competency must be valid and available on site.</div> <div>5. Scaffold must be erected by competent person as per SANS 10085 standard. Scaffold must then be inspected by a competent inspector and record all findings on a checklist, deviations must be recorded and reported to scaffold supervisor.</div> <div>6. Ground must be inspected stability before scaffold can be erected. If ground is stable scaffold can be erected, base jacks must be used to level the scaffold.</div> <div>7. All scaffold work must be stopped when its raining due to the slippery surface, scaffold work can only continue if scaffold is dry and scaffold supervisor / inspector has inspected scaffold and approved it.</div> <div>8. Stacking of materials on scaffold will only be allowed with the approval of the scaffold supervisor, after inspecting the height and weight of stacked materials. All materials must be removed daily on end of shift.</div> <div>9. All scaffold materials must be stacked neatly in a safe manner</div> <div>10. NO scaffold work will be allowed near overhead powerlines.</div> <div>11. SWP &amp; Risk Assessment for scaffold work must be communicated to relevant and all involved with scaffold work.</div> <div>12. All safety harnesses must be inspected before use, all findings must be recorded on a checklist, any deviations must be recorded and reported to supervisor. COC for harness must be available in safety file.</div> <div>13. Workers must be trained on the usage of safety harnesses and working at height. (Proof of competency must be available)</div> <div>14. All workers working on scaffold must be medically fit (proof of valid medical must be available in the form of annexure 3. Medical must include fit for work at height.</div> | Principal Contractor |
| 1. Health & safety (I)   | 5                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5   | 5 | 125 | 100% |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |     |     |                    |  |   |  |   |   |   |     |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 2. Cost (C)              |                                                                            | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5   | 5 | 125 | 100% |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |     |     |                    |  |   |  |   |   |   |     |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 3. Productivity (P)      |                                                                            | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                      | 1 | 5   | 125 | 5 | 75  | 60%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |     |     |                    |  |   |  |   |   |   |     |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 4. Environment (E)       |                                                                            | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                      | 1 | 5   | 125 | 5 | 50  | 40%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |     |     |                    |  |   |  |   |   |   |     |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| Total Average Risk Value |                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |   |     |     |   |     | 75%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |     |     |                    |  |   |  |   |   |   |     |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |

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|------------------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---|-----|---|---|-----|------|---|---|-----|------|-------------|--|---|---|---|---|-----|---|---|-----|------|---------------------|---|--|---|---|---|-----|---|---|-----|-----|--------------------|--|---|---|---|---|-----|---|---|----|-----|---------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 10                     | Stacking and storage of material & Housekeeping | 1. Unstable stacking of goods / materials / Unsafe Stacking Procedures<br>2. Stacking & Storage area not identified and demarcated<br>3. Pinch Points<br>4. Environmental contamination from spillages<br>5. Snakes<br>6. No clear walkways at stacking and storage areas<br>7. Unauthorised entry<br>8. Poor waste removal<br>9. Unstable Aggregate or Sand | <table><tr><td>1. Health &amp; safety (I)</td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>2. Cost (C)</td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>3. Productivity (P)</td><td>2</td><td></td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td>4. Environment (E)</td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr></table> <div>Total Average Risk Value</div> <div>55%</div>      | 1. Health & safety (I) | 3 |     | 3 | 1 | 5   | 125  | 5 | 5 | 75  | 60%  | 2. Cost (C) |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75  | 60%  | 3. Productivity (P) | 2 |  | 2 | 1 | 5 | 125 | 5 | 5 | 50  | 40% | 4. Environment (E) |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | Mandatory or as per requirement | Signage Posted at Designated Storage area - Unauthorised entry prohibited | 1. Sufficient space of stacking of material to be provided, housekeeping to be maintained and cleaning of areas to be maintained.<br>2. Stacking and storage areas must be barricaded to prevent unauthorised entry<br>3. All contaminated ground must be removed and disposed at a registered waste facility.<br>4. Workers to be aware of snakes, toolbox talks to be done for the awareness of snakes in surrounding area, If snakes are found on site, a snake handler must be contacted to remove snakes safely.<br>5. All walkways at stacking and storage area must be kept clean and free from tripping hazards<br>6. Waste must be removed on a regular basis to a registered waste facility, proof must be kept in the safety file on site.<br>7. Housekeeping on site must be done on a daily basis, all rubble must be removed and placed at the designated waste area.<br>8. Aggregate or soil should be stacked at a reasonable height and not close to any machinery or equipment.<br>9. The principal contractor to ensure that:<br>- A competent person is appointed in writing to supervise all stacking and storage on a construction site;<br>- The height of any stack does not exceed 3 times the base unless stepped back at least half the depth of a single container at least every fifth tier or the approval of an inspector of the Department of Labour has been obtained to build the stacks higher with the aid of a machine. (The operator of the machine must be protected against items falling from overhead or off the stack and no items may overhang); | Principal Contractor |
| 1. Health & safety (I) | 3                                               |                                                                                                                                                                                                                                                                                                                                                              | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                      | 5 | 125 | 5 | 5 | 75  | 60%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |   |  |   |   |   |     |   |   |     |     |                    |  |   |   |   |   |     |   |   |    |     |                                 |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 2. Cost (C)            |                                                 | 3                                                                                                                                                                                                                                                                                                                                                            | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                      | 5 | 125 | 5 | 5 | 75  | 60%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |   |  |   |   |   |     |   |   |     |     |                    |  |   |   |   |   |     |   |   |    |     |                                 |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 3. Productivity (P)    | 2                                               |                                                                                                                                                                                                                                                                                                                                                              | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                      | 5 | 125 | 5 | 5 | 50  | 40%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |   |  |   |   |   |     |   |   |     |     |                    |  |   |   |   |   |     |   |   |    |     |                                 |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 4. Environment (E)     |                                                 | 3                                                                                                                                                                                                                                                                                                                                                            | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                      | 5 | 125 | 5 | 5 | 75  | 60%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |   |  |   |   |   |     |   |   |     |     |                    |  |   |   |   |   |     |   |   |    |     |                                 |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 11                     | Offloading construction Materials               | 1. Tip truck reversing over personnel.<br>2. Vehicle to vehicle collisions<br>3. Man machine interaction,<br>4. Exposure to dust<br>5. Incompetent Operator<br>6. Unauthorised to offload<br>7. Incorrect plant used for offloading                                                                                                                          | <table><tr><td>1. Health &amp; safety (I)</td><td>4</td><td></td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>2. Cost (C)</td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>3. Productivity (P)</td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>4. Environment (E)</td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr></table> <div>Total Average Risk Value</div> <div>60%</div>     | 1. Health & safety (I) | 4 |     | 4 | 1 | 5   | 125  | 5 | 5 | 100 | 80%  | 2. Cost (C) |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75  | 60%  | 3. Productivity (P) | 3 |  | 3 | 1 | 5 | 125 | 5 | 5 | 75  | 60% | 4. Environment (E) |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | Mandatory or as per requirement |                                                                           | 1. Trucks to be equipped with reverse sirens.<br>2. Draft, implement and maintain a proper traffic management plan.<br>3. Exert dust suppression as far as reasonable. Ensure that the correct/adequate PPE is supplied and employees have received training on the use of them.<br>4. Flag Person to be available to direct traffic onsite.<br>5. Correct Plant to be used to offload different materials<br>6. Plant operator to be appointed with valid competencies to be available on site<br>7. Suppliers of materials must be authorised to offload materials, All workers, visitors or suppliers must be INDUCTED for the specific site.<br>8. All offloading of construction materials or equipment must be Supervised and Authorised by Appointed Construction Manager.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Principal Contractor |
| 1. Health & safety (I) | 4                                               |                                                                                                                                                                                                                                                                                                                                                              | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                      | 5 | 125 | 5 | 5 | 100 | 80%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |   |  |   |   |   |     |   |   |     |     |                    |  |   |   |   |   |     |   |   |    |     |                                 |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 2. Cost (C)            |                                                 | 3                                                                                                                                                                                                                                                                                                                                                            | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                      | 5 | 125 | 5 | 5 | 75  | 60%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |   |  |   |   |   |     |   |   |     |     |                    |  |   |   |   |   |     |   |   |    |     |                                 |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 3. Productivity (P)    | 3                                               |                                                                                                                                                                                                                                                                                                                                                              | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                      | 5 | 125 | 5 | 5 | 75  | 60%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |   |  |   |   |   |     |   |   |     |     |                    |  |   |   |   |   |     |   |   |    |     |                                 |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 4. Environment (E)     |                                                 | 2                                                                                                                                                                                                                                                                                                                                                            | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                      | 5 | 125 | 5 | 5 | 50  | 40%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |   |  |   |   |   |     |   |   |     |     |                    |  |   |   |   |   |     |   |   |    |     |                                 |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 12                     | Working near overhead powerline                 | 1. Sagging KV line<br>2. Roof inclining near the KV LINE<br>3. Scaffolding erected close to the KV Line<br>4. Untrained employees working near the KV line<br>5. Construction Vehicles or plant operations near overhead powerlines                                                                                                                          | <table><tr><td>1. Health &amp; safety (I)</td><td>5</td><td></td><td>5</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>125</td><td>100%</td></tr><tr><td>2. Cost (C)</td><td></td><td>5</td><td>5</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>125</td><td>100%</td></tr><tr><td>3. Productivity (P)</td><td>4</td><td></td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>4. Environment (E)</td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr></table> <div>Total Average Risk Value</div> <div>80%</div> | 1. Health & safety (I) | 5 |     | 5 | 1 | 5   | 125  | 5 | 5 | 125 | 100% | 2. Cost (C) |  | 5 | 5 | 1 | 5 | 125 | 5 | 5 | 125 | 100% | 3. Productivity (P) | 4 |  | 4 | 1 | 5 | 125 | 5 | 5 | 100 | 80% | 4. Environment (E) |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | Mandatory or as per requirement |                                                                           | 1. Only approved authority employees to work near overhead power line.<br>2. Allowed distance to work near overhead powerline to be determined by relevant authorities including Eskom thereafter employees to be made aware of the hazards and risks associated<br>3. No scaffolding to be erected close to the overhead powerline<br>4. No Construction vehicles to be operated within 10m of overhead powerlines, unless declared safe by Competent Authority<br>5. Safe working Procedure and Risk Assessment must be communicated to those employees exposed to working near overhead powerlines<br>6. Trained and Competent Spotters / Flag person must be present at ALL times when plant is operational near overhead powerlines.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Principal Contractor |
| 1. Health & safety (I) | 5                                               |                                                                                                                                                                                                                                                                                                                                                              | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                      | 5 | 125 | 5 | 5 | 125 | 100% |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |   |  |   |   |   |     |   |   |     |     |                    |  |   |   |   |   |     |   |   |    |     |                                 |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 2. Cost (C)            |                                                 | 5                                                                                                                                                                                                                                                                                                                                                            | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                      | 5 | 125 | 5 | 5 | 125 | 100% |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |   |  |   |   |   |     |   |   |     |     |                    |  |   |   |   |   |     |   |   |    |     |                                 |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 3. Productivity (P)    | 4                                               |                                                                                                                                                                                                                                                                                                                                                              | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                      | 5 | 125 | 5 | 5 | 100 | 80%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |   |  |   |   |   |     |   |   |     |     |                    |  |   |   |   |   |     |   |   |    |     |                                 |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |
| 4. Environment (E)     |                                                 | 2                                                                                                                                                                                                                                                                                                                                                            | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                      | 5 | 125 | 5 | 5 | 50  | 40%  |   |   |     |      |             |  |   |   |   |   |     |   |   |     |      |                     |   |  |   |   |   |     |   |   |     |     |                    |  |   |   |   |   |     |   |   |    |     |                                 |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |

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|--------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---|-----|---|---|-----|-----|---|---|-----|-----|-------------|--|---|---|---|---|-----|---|---|----|-----|---------------------|--|---|---|---|---|-----|---|---|----|-----|--------------------|--|---|---|---|---|-----|---|---|----|-----|--------------------------|--|--|--|--|--|--|--|--|--|-----|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 13                       | Use of portable electrical tools and hand tools<br>(Including use of Portable lights) | 1. Unsafe, sub-standard and/or defective equipment used<br>2. Untrained employees using portable electrical tools                                       | <table><tr><td>1. Health &amp; safety (I)</td><td>4</td><td></td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>2. Cost (C)</td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>4. Environment (E)</td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>60%</td></tr></table> | 1. Health & safety (I) | 4 |     | 4 | 1 | 5   | 125 | 5 | 5 | 100 | 80% | 2. Cost (C) |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | 3. Productivity (P) |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | 4. Environment (E) |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 60% | Mandatory or as per requirement | <p>1. Portable electrical tools and equipment includes every unit that takes electrical power from a 15 ampere plug point and is moved around for use in the workplace i.e. drills, saws, grindstones, portable lights, etcetera. In addition electrical appliances such as fridges, hotplates, heaters, etcetera must be inspected regularly but at least on a weekly basis and maintained to the same standards as portable electrical tools and appliances.</p> <p>2. The use, inspection and maintenance of portable electrical tools and equipment must be governed by the following:</p> <ul style="list-style-type: none"><li>- Regular inspections by a competent person appointed in writing;</li><li>- Inspection results must be recorded in a register;</li><li>- Only competent authorised persons are allowed to use portable electrical tools and equipment; and</li><li>- The correct protective equipment is worn/used whilst operating portable electrical tools and equipment.</li></ul> <p>3. These equipment -</p> <ul style="list-style-type: none"><li>- Must be maintained in good condition at all times to prevent an electrical shock to the user;</li><li>- The main source should incorporate an earth leakage protection device or receive power through a double wound transformer or be double insulated and clearly marked as such; and</li><li>- All equipment must be fitted with a switch to allow for safe and easy starting and stopping.</li></ul> <p>4. The following requirements to be applied with when portable lights are utilized (such as for illumination at stop-go points at night):</p> <ul style="list-style-type: none"><li>- Must be fitted with a robust non-hygroscopic non-conducting handle;</li><li>- Metal parts which may become live must be protected against contact;</li><li>- The lamp must be protected by a strong guard;</li><li>- The cable lead-in must withstand rough handling;</li><li>- A register be kept for each piece of equipment with findings of regular inspections undertaken to evaluate the condition of these lights;</li><li>- Inspections must be undertaken that concentrate on at least the plug, cord, switch, guard and any obvious faults; and</li><li>- When used in wet/damp/metal container conditions, it must be protected.</li></ul> <p>5. Risk Assessment and Safe working Procedure for the operation of task specific Portable electrical tools must be communicated to those operating and exposed to hazards when using portable electrical tools</p> | Principal Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |
| 1. Health & safety (I)   | 4                                                                                     |                                                                                                                                                         | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 100 | 80% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |
| 2. Cost (C)              |                                                                                       | 3                                                                                                                                                       | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |
| 3. Productivity (P)      |                                                                                       | 3                                                                                                                                                       | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |
| 4. Environment (E)       |                                                                                       | 2                                                                                                                                                       | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |
| Total Average Risk Value |                                                                                       |                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |   |     |   |   |     | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |
| 14                       | Illumination during night works                                                       | 1. Personal injury due to poor illumination at night<br>2. Damage to equipment<br>3. Unauthorised Work at Night                                         | <table><tr><td>1. Health &amp; safety (I)</td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>2. Cost (C)</td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td>4. Environment (E)</td><td></td><td>1</td><td>1</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>25</td><td>20%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>40%</td></tr></table>  | 1. Health & safety (I) | 3 |     | 3 | 1 | 5   | 125 | 5 | 5 | 75  | 60% | 2. Cost (C) |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | 3. Productivity (P) |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | 4. Environment (E) |  | 1 | 1 | 1 | 5 | 125 | 5 | 5 | 25 | 20% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 40% | Mandatory or as per requirement | <p>1. Proper illumination to be available during night works</p> <p>2. If any Work requires to be conducted at night sufficient lighting should be supplied.</p> <p>3. All activities to be conducted at night must be approved by Construction Manager with guidance from competent Safety Professional</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Principal Contractor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |
| 1. Health & safety (I)   | 3                                                                                     |                                                                                                                                                         | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |
| 2. Cost (C)              |                                                                                       | 2                                                                                                                                                       | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |
| 3. Productivity (P)      |                                                                                       | 2                                                                                                                                                       | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |
| 4. Environment (E)       |                                                                                       | 1                                                                                                                                                       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 25  | 20% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |
| Total Average Risk Value |                                                                                       |                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |   |     |   |   |     | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |
| 15                       | Use and Storage of flammables                                                         | 1. Unsafe use and/or storage of flammables could result in fires or explosions<br>2. Unsafe stacking and Storage of flammable could result in spillages | <table><tr><td>1. Health &amp; safety (I)</td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>2. Cost (C)</td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td>4. Environment (E)</td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>55%</td></tr></table>  | 1. Health & safety (I) | 3 |     | 3 | 1 | 5   | 125 | 5 | 5 | 75  | 60% | 2. Cost (C) |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | 3. Productivity (P) |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | 4. Environment (E) |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 55% | Mandatory or as per requirement | Flammable material storage area must have warning signs (No Smoking, Flammable materials)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <p>1. The principal contractor to ensure that:</p> <ul style="list-style-type: none"><li>- No person is required or permitted to work in a place where there is the danger of fire or an explosion due to flammable vapors being present unless adequate precautions is taken</li><li>- Flammables stored on a construction site are stored in a well-ventilated, reasonably fire-resistant container, cage or room that is kept locked with consistent access control measures in place and sufficient fire fighting equipment installed and fire prevention methods practiced for example proper housekeeping;</li><li>- Containers (including empty containers) to be kept closed to prevent fumes/vapors from escaping and accumulating in low lying areas</li><li>- Welding and other flammable gases to be stored segregated as to the type of gas and empty and full cylinders</li></ul> <p>2. All flammable materials / containers must be clearly marked/labelled</p> | Principal Contractor |
| 1. Health & safety (I)   | 3                                                                                     |                                                                                                                                                         | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |
| 2. Cost (C)              |                                                                                       | 3                                                                                                                                                       | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |
| 3. Productivity (P)      |                                                                                       | 2                                                                                                                                                       | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |
| 4. Environment (E)       |                                                                                       | 3                                                                                                                                                       | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |
| Total Average Risk Value |                                                                                       |                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |   |     |   |   |     | 55% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |

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|--------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---|-----|---|---|-----|-----|---|---|-----|-----|-------------|--|---|---|---|---|-----|---|---|-----|-----|---------------------|---|--|---|---|---|-----|---|---|----|-----|--------------------|--|---|---|---|---|-----|---|---|----|-----|--------------------------|--|--|--|--|--|--|--|--|--|-----|---------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 16                       | Hazardous Chemical Substances                           | 1.Improper storage of chemicals, transportation and handling<br>2. Unsafe use and/or storage of flammables could result in fires<br>3. Spilled chemical substances may also impact negatively on the health of employees and negative implications for the environment including legal and claim exposures.<br>4. Health hazards when ingesting, inhaling or skin contact with HCS | <table><tr><td>1. Health &amp; safety (I)</td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>2. Cost (C)</td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>3. Productivity (P)</td><td>2</td><td></td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td>4. Environment (E)</td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>55%</td></tr></table>   | 1. Health & safety (I) | 3 |     | 3 | 1 | 5   | 125 | 5 | 5 | 75  | 60% | 2. Cost (C) |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75  | 60% | 3. Productivity (P) | 2 |  | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | 4. Environment (E) |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 55% | Mandatory or as per requirement | Hazardous Chemical Substance storage area must have warning signs (No Smoking, Hazardous or Flammable materials) | 1. The principal contractor to ensure that:<br>- Employees receive the necessary information and training to be able to use, handle and store hazardous chemical substances safely<br>- The risk assessments required in terms of Construction Regulation 9 include employee exposure to hazardous chemical substances and that the necessary measures be taken to protect persons from being detrimentally affected by hazardous chemical substances present or used in the workplace, This Risk Assessment must be communicated to all employees exposed to HCS.<br>- Suppliers provide the necessary information in the form of material safety data sheets regarding hazardous chemical substances required to ensure the safe use, handling and storage of these substances, This MSDS must be available on site and communicated to employees exposed to the HCS.<br>- An up-to-date list is kept on site of hazardous chemical substances stored and used together with the material safety data sheet of the said hazardous chemical substances<br>- Hazardous chemical substances containers be clearly marked as to the contents and main hazardous category e.g. "Flammable" or "Corrosive"<br>- No person eats or drinks in a hazardous chemical substances workplace;<br>- Hazardous chemical substances waste is disposed of safely in terms of hazardous waste disposal requirements at a registered facility.<br>2. HCS to be properly stored in a cool locked store room or storage area<br>3. Employees handling hazardous chemical substance to be trained. Possible preventive measures to be put in place in order to prevent harm to employees. PPE to be used when necessary. | Principal Contractor |
| 1. Health & safety (I)   | 3                                                       |                                                                                                                                                                                                                                                                                                                                                                                    | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 2. Cost (C)              |                                                         | 3                                                                                                                                                                                                                                                                                                                                                                                  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 3. Productivity (P)      | 2                                                       |                                                                                                                                                                                                                                                                                                                                                                                    | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 4. Environment (E)       |                                                         | 3                                                                                                                                                                                                                                                                                                                                                                                  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| Total Average Risk Value |                                                         |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |   |     |   |   |     | 55% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 17                       | Lack of communication between various parties involved. | 1. Instructions not adequately followed through<br>2. Information not transmitted as supposed to<br>3. Schedule slippage due to rework                                                                                                                                                                                                                                             | <table><tr><td>1. Health &amp; safety (I)</td><td>2</td><td></td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td>2. Cost (C)</td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td>3. Productivity (P)</td><td>2</td><td></td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td>4. Environment (E)</td><td></td><td>1</td><td>1</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>25</td><td>20%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>35%</td></tr></table>   | 1. Health & safety (I) | 2 |     | 2 | 1 | 5   | 125 | 5 | 5 | 50  | 40% | 2. Cost (C) |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50  | 40% | 3. Productivity (P) | 2 |  | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | 4. Environment (E) |  | 1 | 1 | 1 | 5 | 125 | 5 | 5 | 25 | 20% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 35% | Mandatory or as per requirement |                                                                                                                  | 1.Implement and ensure a proper communication system between various parties involved.<br>2. Site meetings to be conducted on set intervals including integration between various parties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Principal Contractor |
| 1. Health & safety (I)   | 2                                                       |                                                                                                                                                                                                                                                                                                                                                                                    | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 2. Cost (C)              |                                                         | 2                                                                                                                                                                                                                                                                                                                                                                                  | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 3. Productivity (P)      | 2                                                       |                                                                                                                                                                                                                                                                                                                                                                                    | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 4. Environment (E)       |                                                         | 1                                                                                                                                                                                                                                                                                                                                                                                  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 25  | 20% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| Total Average Risk Value |                                                         |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |   |     |   |   |     | 35% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 18                       | Temporary structure (Temporary works)                   | 1. Inadequate designs<br>2. Incompetent formwork erectors and inspectors<br>3. Temporary structure collapse due to poor design<br>4. Unsafe access to elevated areas<br>5. Poor stacking and storage of Form work materials<br>6. Manual handling<br>7. Pinch points<br>8. Work at Fall Positions                                                                                  | <table><tr><td>1. Health &amp; safety (I)</td><td>4</td><td></td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>2. Cost (C)</td><td></td><td>4</td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>3. Productivity (P)</td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>4. Environment (E)</td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>70%</td></tr></table> | 1. Health & safety (I) | 4 |     | 4 | 1 | 5   | 125 | 5 | 5 | 100 | 80% | 2. Cost (C) |  | 4 | 4 | 1 | 5 | 125 | 5 | 5 | 100 | 80% | 3. Productivity (P) | 3 |  | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | 4. Environment (E) |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 70% | Mandatory or as per requirement | Areas where temporary structures are erected or demolished must be barricaded with warning signage posted        | 1. A contractor to appoint a temporary works designer in writing, to design, inspect and approve the erected temporary works.<br>2. Temporary works to be carried out under the supervision of a competent person appointed in writing.<br>3. To be erected by competent persons.<br>4. Temporary structure to be inspected by a competent person immediately, before, during and after the placement of concrete. After inclement weather or any other imposed load and at least on a daily basis until the temporary works has been removed and results recorded in a register.<br>5. All temporary works to be carried out as per Construction regulations 12.<br>6. Temporary work structures to be so designed, erected, supported, braced and maintained that they will be able to support any vertical or lateral loads that may be applied.<br>7. No load to be imposed onto a structure that the structure is not designed to carry.<br>8. Temporary work to be erected in accordance with the structural design drawings for such temporary work and if there is any uncertainty, the designer must be consulted before proceeding with the erection/use of the temporary work.<br>9. The foundation or base upon which the temporary work is erected to be able to bear the weight and keep the structure stable.<br>10. Employees erecting temporary work to be trained in the safe work procedures for the erection, moving and dismantling of the temporary work.<br>11. Safe access and emergency escape to be provided for employees.<br>12. Only employees trained to work at height with a valid medical fitness to work allowed to erect temporary works                          | Principal Contractor |
| 1. Health & safety (I)   | 4                                                       |                                                                                                                                                                                                                                                                                                                                                                                    | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 100 | 80% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 2. Cost (C)              |                                                         | 4                                                                                                                                                                                                                                                                                                                                                                                  | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 100 | 80% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 3. Productivity (P)      | 3                                                       |                                                                                                                                                                                                                                                                                                                                                                                    | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| 4. Environment (E)       |                                                         | 3                                                                                                                                                                                                                                                                                                                                                                                  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |
| Total Average Risk Value |                                                         |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |   |     |   |   |     | 70% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |

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|------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---|---|-----|---|---|-----|------|---|---|-----|------|-------------|--|--|---|---|---|---|-----|---|---|-----|------|---------------------|--|---|--|---|---|---|-----|---|---|----|-----|--------------------|--|---|--|---|---|---|-----|---|---|----|-----|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 19                     | Working on Heights (Work in fall risk positions)                                 | <div>1. Inadequate fall protection<br/>2. Employees not medically fit to work at height<br/>3. Workers not trained to work at height<br/>4. Falling objects<br/>5. Workers falling<br/>6. Inadequate / unsafe or damaged fall prevention equipment used<br/>7. Inclement Weather</div> | <table><tr><td>1. Health &amp; safety (I)</td><td>5</td><td></td><td></td><td>5</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>125</td><td>100%</td></tr><tr><td>2. Cost (C)</td><td></td><td></td><td>5</td><td>5</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>125</td><td>100%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>4. Environment (E)</td><td></td><td>2</td><td></td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr></table> <div>Total Average Risk Value</div> <div>75%</div> | 1. Health & safety (I) | 5 |   |     | 5 | 1 | 5   | 125  | 5 | 5 | 125 | 100% | 2. Cost (C) |  |  | 5 | 5 | 1 | 5 | 125 | 5 | 5 | 125 | 100% | 3. Productivity (P) |  | 3 |  | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | 4. Environment (E) |  | 2 |  | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | Mandatory or as per requirement | <div>1. Designate a competent person to be responsible for the preparation of a fall protection plan.<br/>2. Ensure that the Fall protection plan is implemented, amended and maintained. - FPP must be developed by a competent / appointed person, proof of competency must be available on site.<br/>3. Take steps to ensure continued adherence to the fall protection plan.<br/>4. The fall protection plan must include but not limited: A Risk assessment of all work carried out from a fall risk position, procedures and methods used to address all the risks identified.<br/>5. Appointed 16 (2) to ensure that employees comply with Construction regulations 10 Fall protection.<br/>6. As far as is practicable, any person working in a fall risk position will work from a stable platform, ladder or other device that is at least as safe as if he or she is working at ground level and whilst working in this position be wearing suitable fall arrest equipment to prevent the person falling from the platform, ladder or other device utilized. This fall arrest equipment will be, as far as is possible, secured to a point away from the edge over which the person might fall and the lanyard must be of such a length and strength that the person will not be able to move over the edge. Alternatively any platform, slab, deck or surface forming an edge over which a person may fall may be fitted with suitable guard rails at two different heights as prescribed in SANS 10085 code of practice for the design, erection, use and inspection of access scaffolding.<br/>7. Employees working at height must be provided with a full body harness that will be worn and attached above the wearer's head at all times and the lanyard must be fitted with a shock absorbing device or the person must be attached to a fall arrest system that is approved by the Client.<br/>8. If no edge protection is not practicable or employee does not have a secured / approved anchor point for a lifeline a suitable catch net, which is able to sustain the weight of at least the average person working in a fall risk position, will be erected<br/>9. Employees working in a fall risk position will be trained to do this safely and without risk to their or other person's health and safety. Proof of competency must be available in safety file<br/>10. Where work on roofs is carried out, the risk assessment must take into account the possibility of persons falling through fragile material and openings in the roof.<br/>11. physical and psychological fitness of employees working fall risk positions (Medical fitness to work at height) must be valid and available on site.<br/>12. FPP, Risk Assessment and Safe working Procedures must be communicated to all workers working in a fall risk position.</div> | Principal Contractor |
| 1. Health & safety (I) | 5                                                                                |                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5                      | 1 | 5 | 125 | 5 | 5 | 125 | 100% |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |   |  |   |   |   |     |   |   |    |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |
| 2. Cost (C)            |                                                                                  |                                                                                                                                                                                                                                                                                        | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                      | 1 | 5 | 125 | 5 | 5 | 125 | 100% |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |   |  |   |   |   |     |   |   |    |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |
| 3. Productivity (P)    |                                                                                  | 3                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                      | 1 | 5 | 125 | 5 | 5 | 75  | 60%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |   |  |   |   |   |     |   |   |    |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |
| 4. Environment (E)     |                                                                                  | 2                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                      | 1 | 5 | 125 | 5 | 5 | 50  | 40%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |   |  |   |   |   |     |   |   |    |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |
| 20                     | Exposure to poisonous / Venomous or other dangerous animals, reptiles or insects | <div>1. Venomous snakes, insects / spiders in bushes, stacking areas and other confined spaces<br/>2. Poisonous insects<br/>3. Insects, reptiles and other animal bites, stings that causes allergic reactions</div>                                                                   | <table><tr><td>1. Health &amp; safety (I)</td><td>4</td><td></td><td></td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>2. Cost (C)</td><td></td><td></td><td>4</td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>2</td><td></td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td>4. Environment (E)</td><td></td><td>2</td><td></td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr></table> <div>Total Average Risk Value</div> <div>60%</div>   | 1. Health & safety (I) | 4 |   |     | 4 | 1 | 5   | 125  | 5 | 5 | 100 | 80%  | 2. Cost (C) |  |  | 4 | 4 | 1 | 5 | 125 | 5 | 5 | 100 | 80%  | 3. Productivity (P) |  | 2 |  | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | 4. Environment (E) |  | 2 |  | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | Mandatory or as per requirement | <div>1. The principal contractor to ensure that the following are duly adhered to:<br/>- the emergency procedure to be expanded to provide for the effective treatment of employees or other persons visiting exposed to bites or stings from poisonous animals and insects, i.e. the contact details of the nearest medical unit that could treat employees exposed to bites or stings be obtained and arrangements be made with this service provider on the procedures to be followed to ensure swift response when required;<br/>- confirmation to be obtained or made available from the nearest medical unit that they have anti venom reserved to treat employees or other persons visiting that may be exposed to snake bites or scorpion stings;<br/>- competent / appointed first aiders to be available to facilitate the treatment of employees or other persons visiting exposed to stings or bites;<br/>- the potential exposure posed by poisonous or venomous animals or insects and awareness thereof to be discussed with all employees as part of the toolbox talks and general awareness training and other persons visiting as part of the pre-site visit induction process<br/>2. If Snakes are located on site contact snake handler to assist with removal of the snake. Do not attempt to remove snake if not trained.<br/>3. Emergency contacts to be freely available on site and in safety file.</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Principal Contractor |
| 1. Health & safety (I) | 4                                                                                |                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                      | 1 | 5 | 125 | 5 | 5 | 100 | 80%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |   |  |   |   |   |     |   |   |    |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |
| 2. Cost (C)            |                                                                                  |                                                                                                                                                                                                                                                                                        | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                      | 1 | 5 | 125 | 5 | 5 | 100 | 80%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |   |  |   |   |   |     |   |   |    |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |
| 3. Productivity (P)    |                                                                                  | 2                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                      | 1 | 5 | 125 | 5 | 5 | 50  | 40%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |   |  |   |   |   |     |   |   |    |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |
| 4. Environment (E)     |                                                                                  | 2                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                      | 1 | 5 | 125 | 5 | 5 | 50  | 40%  |   |   |     |      |             |  |  |   |   |   |   |     |   |   |     |      |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |   |  |   |   |   |     |   |   |    |     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |



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| 22                       | Working in Confined spaces                            | 1. Poor ventilation<br>2. Gasses present<br>3. Poor visibility<br>4. Employees unfit to work in confined spaces                                                                                                                               | <table><tr><td>1. Health &amp; safety (I)</td><td>4</td><td></td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>2. Cost (C)</td><td></td><td>4</td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>3. Productivity (P)</td><td>2</td><td></td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td>4. Environment (E)</td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>60%</td></tr></table> | 1. Health & safety (I) | 4 |     | 4 | 1 | 5   | 125 | 5 | 5 | 100 | 80% | 2. Cost (C) |  | 4 | 4 | 1 | 5 | 125 | 5 | 5 | 100 | 80% | 3. Productivity (P) | 2 |  | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | 4. Environment (E) |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 60% | Mandatory or as per requirement | Confined Spaces must be barricaded with warning signage posted (Entry Prohibited or No Unauthorised entry) | <p>1. Principal Contractor to ensure confined space works comply to the following</p> <p><b>- Ventilation</b></p> <p>a) The confined space to be opened and allowed to ventilate for at least 15 minutes before entering the manhole. All open manholes to be barricaded and manned at all times.</p> <p>A gas monitor to be lowered to the bottom of the confined space with a rope to test the presence of any toxic/flammable gas. If any gas is detected, the space to be force ventilated by means of a blower for at least 15 minutes where after the air should be tested again. Under no circumstances may any space be entered while there is a toxic/flammable gas present.</p> <p>After the undertaking of the necessary work, the person in charge of the activities to confirm that all the employees are accounted for.</p> <p><b>- Entering a confined space</b></p> <p>a) When entering a confined space, the person entering the space to wear a safety harness and fully operational gas detector. A lifeline should be attached to the safety harness and a person on the surface should be in continuous contact with the person in the confined space. At least one person on the surface to be trained in basic first-aid (level 1) with proof of such training as well as a fully equipped first aid box available on site.</p> <p>b) No person shall remain within a confined space for a period of more than one hour at a time. A minimum of 5 minute rest periods on the surface to be taken after this period before re-entering.</p> <p>c) Should the alarm sound on the gas monitor, all employees to exit the confined space and the immediate area should also be evacuated immediately. The area to be properly ventilated and re-tested before re-entering the confined space. Professional support should be called for if necessary.</p> <p>d) Employees to be provided with flameproof lighting when entering a confined space with the possibility of flammable gases. No naked lights, smoking or unprotected electrical apparatus which may cause sparks, shall be permitted in any confined space or in its vicinity.</p> <p><b>- Training</b></p> <p>a) All employees that have to enter a confined space to be formally trained and confirmed competent before being required to enter such areas (new employees to complete this training and be declared competent before allowed to work in a confined space).</p> <p>b) Refresher courses to be attended by employees at least once every 2 years or immediately if new methodologies or equipment are adopted or acquired.</p> <p>c) Continuous onsite training (Safety moments / toolbox talks) and support by supervisory staff to be undertaken and enforced where required</p> <p>d) Competent person to conduct continues gas monitoring of confined spaces</p> <p>2. Task Specific Risk Assessment / Safe working Procedure and Method Statement for Work activities in Confined space to be communicated to relevant employees.(Proof of communication to be available in safety file)</p> | Principal Contractor |
| 1. Health & safety (I)   | 4                                                     |                                                                                                                                                                                                                                               | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 100 | 80% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| 2. Cost (C)              |                                                       | 4                                                                                                                                                                                                                                             | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 100 | 80% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| 3. Productivity (P)      | 2                                                     |                                                                                                                                                                                                                                               | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| 4. Environment (E)       |                                                       | 2                                                                                                                                                                                                                                             | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| Total Average Risk Value |                                                       |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |   |     |   |   |     | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| 23                       | Public health & safety and Pedestrians access to site | 1. Unsafe pedestrian access<br>2. Injuries to by standing public or pedestrians<br>3. Public personal belongings or property damages                                                                                                          | <table><tr><td>1. Health &amp; safety (I)</td><td>4</td><td></td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>2. Cost (C)</td><td></td><td>4</td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>3. Productivity (P)</td><td>2</td><td></td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td>4. Environment (E)</td><td></td><td>1</td><td>1</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>25</td><td>20%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>55%</td></tr></table> | 1. Health & safety (I) | 4 |     | 4 | 1 | 5   | 125 | 5 | 5 | 100 | 80% | 2. Cost (C) |  | 4 | 4 | 1 | 5 | 125 | 5 | 5 | 100 | 80% | 3. Productivity (P) | 2 |  | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | 4. Environment (E) |  | 1 | 1 | 1 | 5 | 125 | 5 | 5 | 25 | 20% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 55% | Mandatory or as per requirement |                                                                                                            | <p>1. The principal contractor will be responsible for ensuring that non-employees affected by the construction work are made aware of the dangers likely to arise from said construction work as well as the precautionary measures to be observed to avoid or minimize those dangers. This includes among others:</p> <ul style="list-style-type: none"><li>- Non- employees entering the site for whatever reason;</li><li>- The surrounding community;</li><li>- Public bystanders</li></ul> <p>2. Appropriate signage must be posted to this effect and all employees on site must be instructed to ensure that non-employees are protected at all times.</p> <p>3. All non-employees entering the site must receive site applicable induction into the hazards and risks and the control measures for these.</p> <p>4. Safe demarcated walkway to be erected / conducted or displayed for visitors</p> <p>5. Pedestrian crossings to be conducted and utilized</p> <p>6. No Construction work near public vehicles.</p> <p>7. Construction area must be barricaded (No Danger tape) or fenced to prevent Public from entering work area.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Principal Contractor |
| 1. Health & safety (I)   | 4                                                     |                                                                                                                                                                                                                                               | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 100 | 80% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| 2. Cost (C)              |                                                       | 4                                                                                                                                                                                                                                             | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 100 | 80% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| 3. Productivity (P)      | 2                                                     |                                                                                                                                                                                                                                               | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| 4. Environment (E)       |                                                       | 1                                                                                                                                                                                                                                             | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 25  | 20% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| Total Average Risk Value |                                                       |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |   |     |   |   |     | 55% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| 24                       | Steel work (Steel fixing / steel reinforcing)         | 1. Manual handling and lifting of rebar at ground level and to elevated level.<br>2. Transportation of rebar on trailers<br>3. Sharp & pointed objects<br>4. Cutting of Rebar - causing sparks and fire<br>5. Use of unsafe or damaged pliers | <table><tr><td>1. Health &amp; safety (I)</td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>2. Cost (C)</td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td>3. Productivity (P)</td><td>2</td><td></td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td>4. Environment (E)</td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>45%</td></tr></table>   | 1. Health & safety (I) | 3 |     | 3 | 1 | 5   | 125 | 5 | 5 | 75  | 60% | 2. Cost (C) |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50  | 40% | 3. Productivity (P) | 2 |  | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | 4. Environment (E) |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 45% | Mandatory or as per requirement |                                                                                                            | <p>1. Employees to be provided with proper walkways during steel erection and never to walk on erected rebar</p> <p>2. Workers to be supplied with the required PPE for Steel fixing and cutting of steel rebar.</p> <p>3. Truck drivers to ensure loads are sufficiently secured before transporting materials to site</p> <p>4. Workers to ensure to use correct lifting procedure when lifting steel rebar. SWP for manual handling / ergonomics to be communicated to workers.</p> <p>5. Cutting of Steel rebar to be conducted in a designated safe hot work area.</p> <p>6. All tools and equipment to be used must be inspected and registered on a checklist, deviations must be recorded and reported to appointed supervisor.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Principal Contractor |
| 1. Health & safety (I)   | 3                                                     |                                                                                                                                                                                                                                               | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| 2. Cost (C)              |                                                       | 2                                                                                                                                                                                                                                             | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| 3. Productivity (P)      | 2                                                     |                                                                                                                                                                                                                                               | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| 4. Environment (E)       |                                                       | 2                                                                                                                                                                                                                                             | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |
| Total Average Risk Value |                                                       |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |   |     |   |   |     | 45% |   |   |     |     |             |  |   |   |   |   |     |   |   |     |     |                     |   |  |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |

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|--------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---|-----|---|---|-----|-----|---|---|-----|-----|-------------|--|---|---|---|---|-----|---|---|----|-----|---------------------|--|---|---|---|---|-----|---|---|----|-----|--------------------|--|---|---|---|---|-----|---|---|----|-----|--------------------------|--|--|--|--|--|--|--|--|--|-----|---------------------------------|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 25                       | Emergency Preparedness<br>(Fire Prevention, First aid) | 1. Inadequate emergency Planning could result in the inability to effectively respond to emergencies<br>2. Inadequate first-aid arrangements could impact negatively of the ability to respond to first-aid injuries or to stabilize injured employees or other persons that may require advanced health care.<br>3. Inadequate fire prevention and protection measures may impact negatively on the ability to fight fires | <table><tr><td>1. Health &amp; safety (I)</td><td>4</td><td></td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>2. Cost (C)</td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>4. Environment (E)</td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>60%</td></tr></table> | 1. Health & safety (I) | 4 |     | 4 | 1 | 5   | 125 | 5 | 5 | 100 | 80% | 2. Cost (C) |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | 3. Productivity (P) |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | 4. Environment (E) |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 60% | Mandatory or as per requirement | Signage required for Location of First Aid Kit, First Aider on site, Location of Fire Fighting Equipment | <b>Emergency Preparedness</b><br>1. The principal contractor to appoint a competent person to act as emergency controller and/or coordinator.<br>2. The principal contractor to conduct an emergency identification exercise and establish what emergencies (such as health, safety, environmental, third party or community related actions etcetera) could possibly develop. Contractor must then develop detailed contingency plans and emergency procedures, taking into account any emergency plan that the project/site may have in place.<br>3. The principal contractor and the other contractors must hold regular practice drills of contingency plans and emergency procedures to test them and familiarize employees with them. Emergency evacuation points must be available and signage displayed<br><b>First - Aid</b><br>1. The principal contractor to provide first-aid equipment and have qualified first-aiders on site as required by General Safety Regulation 3 of the OHSACT.<br>2. The contingency plan of the principal contractor to include arrangements for the speedy and timeously transportation of injured and/or ill person(s) to a medical facility or getting emergency medical support to person(s) who may require it.<br>3. The principal contractor to have firm arrangements with his contractors in place regarding the responsibility of these contractor's first-aid arrangements as well as treatment of injured and/or ill employees.<br><b>Fire Prevention and Protection</b><br>The principal contractor to ensure that<br>a) Sufficient and suitable storage of flammables is provided;<br>b) employees are trained in the use of the fire fighting equipment and know how to attempt to extinguish a fire; ( these employees must be appointed and proof of competency to be available on site.<br>c) A sufficient number of employees are appointed and trained to act as an emergency team to deal with fires and other emergencies;<br>d) Employees are informed regarding emergency evacuation procedures and escape routes this must be included in the induction of all workers and visitors.<br>e) Emergency escape routes are kept clear at all times and clearly marked;<br>f) Roll call is held after evacuation to account for all employees and to ensure that no-one including visitors and disabled persons have been left behind;<br>g) A clearly audible siren or alarm is fitted and regularly tested. If this is not practicable to the site , other method of warning employees must be used, for example whistles. | Principal Contractor |
| 1. Health & safety (I)   | 4                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 100 | 80% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| 2. Cost (C)              |                                                        | 3                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| 3. Productivity (P)      |                                                        | 3                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| 4. Environment (E)       |                                                        | 2                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| Total Average Risk Value |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |   |     |   |   |     | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| 26                       | Site security and public protection                    | 1. Public gaining access to the construction site.<br>2. Theft<br>3. Vandalism                                                                                                                                                                                                                                                                                                                                              | <table><tr><td>1. Health &amp; safety (I)</td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>2. Cost (C)</td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>4. Environment (E)</td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>55%</td></tr></table>  | 1. Health & safety (I) | 3 |     | 3 | 1 | 5   | 125 | 5 | 5 | 75  | 60% | 2. Cost (C) |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | 3. Productivity (P) |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | 4. Environment (E) |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 55% | Mandatory or as per requirement | Construction Signage to be available at Site entrance / gate.                                            | 1. Principal contractor to ensure the project is secure at all times. Access control to be maintained and no unauthorised entry to be permitted to the project.<br>2. When there are no activities on site and no personnel conducting works. The Project has to be left in a safe manner that the public can't gain access and that all hazards are attended to prior vacating the site.<br>3. Security should be available due to valuable materials and equipment that might be stored on site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Principal Contractor |
| 1. Health & safety (I)   | 3                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                             | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| 2. Cost (C)              |                                                        | 3                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| 3. Productivity (P)      |                                                        | 3                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| 4. Environment (E)       |                                                        | 2                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| Total Average Risk Value |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |   |     |   |   |     | 55% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| 27                       | Ablution facilities                                    | 1. Inadequate provision of welfare facilities may have negative implications on the health of employees and other persons as well as the environment                                                                                                                                                                                                                                                                        | <table><tr><td>1. Health &amp; safety (I)</td><td>2</td><td></td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td>2. Cost (C)</td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>1</td><td>1</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>25</td><td>20%</td></tr><tr><td>4. Environment (E)</td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr><tr><td colspan="10">Total Average Risk Value</td><td>35%</td></tr></table>  | 1. Health & safety (I) | 2 |     | 2 | 1 | 5   | 125 | 5 | 5 | 50  | 40% | 2. Cost (C) |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | 3. Productivity (P) |  | 1 | 1 | 1 | 5 | 125 | 5 | 5 | 25 | 20% | 4. Environment (E) |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | Total Average Risk Value |  |  |  |  |  |  |  |  |  | 35% | Mandatory or as per requirement | Signage required for Men / Ladies bathroom / Changeroom and designated sheltered eating area             | <b>Toilets</b><br>a) Principal Contractor to provide toilets for each sex as required in terms of the National Building Regulations and Construction Regulation 30.<br>b) Chemical toilets are allowed only if they are cleaned on a regular basis by registered contracted company. Toilets have to be provided at a ratio of at least 1 toilet per 30 employees<br><b>Eating facility / area</b><br>Principal Contractor to provide some form of eating facility sheltered from the sun, wind and rain must be provided.<br><b>Living accommodation</b><br>Where the site is in a remote location and transport to home is not readily available, reasonable and suitable living accommodation must be provided after obtaining of the necessary permission from authorities and adhering to requirements such as Bylaws of the local municipality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Principal Contractor |
| 1. Health & safety (I)   | 2                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| 2. Cost (C)              |                                                        | 2                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| 3. Productivity (P)      |                                                        | 1                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 25  | 20% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| 4. Environment (E)       |                                                        | 2                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                      | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |
| Total Average Risk Value |                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |   |     |   |   |     | 35% |   |   |     |     |             |  |   |   |   |   |     |   |   |    |     |                     |  |   |   |   |   |     |   |   |    |     |                    |  |   |   |   |   |     |   |   |    |     |                          |  |  |  |  |  |  |  |  |  |     |                                 |                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                      |

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|----|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 28 | Safe guarding / Dealing with existing Structures                                            | 1. Damage to existing services and structures.                                                                                                                                                                                                                                                                                                                                                                                      | <div>1. Health &amp; safety (I)</div> <div>2. Cost (C)</div> <div>3. Productivity (P)</div> <div>4. Environment (E)</div> | <div>3</div> <div>3</div> <div>2</div> <div>2</div> | <div>3</div> <div>3</div> <div>2</div> <div>2</div> | <div>1</div> <div>1</div> <div>1</div> <div>1</div> | <div>5</div> <div>5</div> <div>5</div> <div>5</div> | <div>125</div> <div>125</div> <div>125</div> <div>125</div> | <div>5</div> <div>5</div> <div>5</div> <div>5</div> | <div>5</div> <div>5</div> <div>5</div> <div>5</div> | <div>75</div> <div>75</div> <div>50</div> <div>50</div>   | <div>60%</div> <div>60%</div> <div>40%</div> <div>40%</div> | Mandatory or as per requirement | 1. Ensure identification off all existing services and structures before commencing with site establishment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Principal Contractor |
| 29 | Installation of fence                                                                       | 1. Transportation and handling of fence. (Poor Ergonomics)<br>- Offloading of fence poles and heavy wire rolls<br>2. Use of ladders<br>3. Use of scaffolding<br>4. Contact with underground services/ electricity<br>5. Fencing collapses on employees or surrounding property<br>6. Mixing and pouring of concrete<br>7. Use of unsafe / damaged tools.                                                                            | <div>1. Health &amp; safety (I)</div> <div>2. Cost (C)</div> <div>3. Productivity (P)</div> <div>4. Environment (E)</div> | <div>4</div> <div>4</div> <div>3</div> <div>2</div> | <div>4</div> <div>4</div> <div>3</div> <div>2</div> | <div>1</div> <div>1</div> <div>1</div> <div>1</div> | <div>5</div> <div>5</div> <div>5</div> <div>5</div> | <div>125</div> <div>125</div> <div>125</div> <div>125</div> | <div>5</div> <div>5</div> <div>5</div> <div>5</div> | <div>5</div> <div>5</div> <div>5</div> <div>5</div> | <div>100</div> <div>100</div> <div>75</div> <div>50</div> | <div>80%</div> <div>80%</div> <div>60%</div> <div>40%</div> | Mandatory or as per requirement | 1. Rolls of fence to be transported mechanically.<br>2. Proper PPE and suitable hand gloves to be provided to employees involved.<br>3. Ladders to be inspected by a competent person appointed in writing and to be well positioned and secure when in use. No wooden ladders to be used.<br>4. Tools to be inspected daily before work start Faulty tools to be repaired or removed from site immediately<br>5. Drawings / plans or Underground scans must be available for areas to be excavated to identify any underground services like electrical cables, water or sewer lines.<br>6. All fence poles to be inserted into the ground as per drawing requirements and to be secured with Concrete.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Principal Contractor |
| 30 | Concrete Works<br>Concrete Mixing and Pouring (Manually and Mixer) and use of Concrete Pump | 1. Concrete spillages<br>2. Use of hand tools<br>3. Oil spillages<br>4. Dust generation<br>5. Incompetent operators<br>6. Miscommunication between operator and flagman<br>7. Mixer operating near excavation<br>8. Incompetent Concrete Pump Operator<br>9. Unsafe operation or control of Concrete Pump - Hoses / pipes moving around uncontrolled<br>10. Inhaling of Cement dust and skin contact with wet cement (cement Burns) | <div>1. Health &amp; safety (I)</div> <div>2. Cost (C)</div> <div>3. Productivity (P)</div> <div>4. Environment (E)</div> | <div>4</div> <div>4</div> <div>3</div> <div>2</div> | <div>4</div> <div>4</div> <div>3</div> <div>2</div> | <div>1</div> <div>1</div> <div>1</div> <div>1</div> | <div>5</div> <div>5</div> <div>5</div> <div>5</div> | <div>125</div> <div>125</div> <div>125</div> <div>125</div> | <div>5</div> <div>5</div> <div>5</div> <div>5</div> | <div>5</div> <div>5</div> <div>5</div> <div>5</div> | <div>100</div> <div>100</div> <div>75</div> <div>50</div> | <div>80%</div> <div>80%</div> <div>60%</div> <div>40%</div> | Mandatory or as per requirement | 1. Concrete mixers to be regularly serviced in order to prevent breakdown leading to oil spillages. Spot checks to be done prior each shift.<br>2. All hand tools to be inspected by a competent person.<br>3. When concrete is being poured, concrete spillages to be prevented and plastic sheet to be placed on the ground when spillages cannot be prevented.<br>4. Concrete washout area to be created where concrete run off will be discharged.<br>5. A flagman must be well trained in order for him to be able to provide proper signals thus preventing employees being hit by a mixer.<br>6. Operators to be well trained and no unauthorized employees must operate the mixer.<br>7. Only Competent / Appointed operator to operate concrete Pump, Ready-mix Truck. Competency must be valid and available<br>8. Dust mask must be provided to employees handling cement as a last resource when dust cannot be controlled. If exposed to cement dust for long periods a breathing apparatus must be used. Workers exposed to Dry Cement or Wet Cement must be supplied with the minimum required PPE/Overalls, Gumboots, Safety Boots, PVC Gloves, Safety Glasses, Earplugs, if exposed to wet cement rain coats can be used.<br>9. Concrete ready-mix truck, Concrete Pump Truck and Concrete Mixers must keep a safe distance from excavation edges, when pouring into excavation flagman have to be more vigilant and a regular toolbox talks must be held.<br>10. Task specify risk assessment and safe working procedures for all activities must be developed and communicated.<br>11. Housekeeping must be done after each pour, concrete waste should be disposed at designated waste areas, Concrete Mixers, Ready-mix truck and Concrete Pump trucks to be cleaned after each use.<br>12. All plant or equipment used for concrete works must be inspected before use and findings recorded on a checklist, deviations must be reported to Construction manager / Supervisor | Principal Contractor |

|                        |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |   |   |     |   |   |     |     |   |   |     |     |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |
|------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---|---|-----|---|---|-----|-----|---|---|-----|-----|-------------|--|--|---|---|---|---|-----|---|---|-----|-----|---------------------|--|---|--|---|---|---|-----|---|---|----|-----|--------------------|--|--|---|---|---|---|-----|---|---|----|-----|---------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 31                     | Temporary electrical equipment/ installations                                                          | 1. Illegal connections Unsafe electrical installations could result in employees and other persons being electrocuted with subsequent injuries or even fatalities as well as asset damage due to fire<br>2. Sub standard equipment<br>3. Poor cable management<br>4. Incompetent Installer<br>5. Unauthorised Access to DB's                                                                                                                                             | <table><tr><td>1. Health &amp; safety (I)</td><td>4</td><td></td><td></td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>2. Cost (C)</td><td></td><td></td><td>3</td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>4. Environment (E)</td><td></td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr></table> <div>Total Average Risk Value60%</div>  | 1. Health & safety (I) | 4 |   |     | 4 | 1 | 5   | 125 | 5 | 5 | 100 | 80% | 2. Cost (C) |  |  | 3 | 3 | 1 | 5 | 125 | 5 | 5 | 75  | 60% | 3. Productivity (P) |  | 3 |  | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | 4. Environment (E) |  |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | Mandatory or as per requirement | DB's Must be numbered. Warning signage posted at DB / No Unauthorised entry         | 1. Any electrical work undertaken as part of the project, including the installation of temporary electricity for construction use shall be in accordance with Construction Regulation 24 and the Electrical Installation Regulations<br>2. The principal contractor to ensure that:<br>- Existing services are to be located and clearly marked before construction commences and during the progress thereof;<br>- Electrical installations and -machinery are sufficiently robust to withstand normal working conditions on site;<br>- Temporary electrical installations must be inspected at least once per week by a competent person and a record of the inspections kept on the occupational health and safety file;<br>3. Electrician with a Wireman's License must install, commission and inspect all electrical installations. Employee to be authorised, competent and appointed. COC must be available for electrical connections done.<br>4. All DB's to be locked. Key register to be established and proof of key use to be evident.<br>5. Lock out procedure to be communicated to all employees exposed.<br>6. Task Specific Risk assessments to be communicated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Principal Contractor |
| 1. Health & safety (I) | 4                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4                      | 1 | 5 | 125 | 5 | 5 | 100 | 80% |   |   |     |     |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |
| 2. Cost (C)            |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                      | 1 | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |
| 3. Productivity (P)    |                                                                                                        | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                      | 1 | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |
| 4. Environment (E)     |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                      | 1 | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |
| 32                     | Construction Trades<br>Painting<br>Tiling<br>Paving<br>Brickwork<br>Plastering<br>Ceiling / roof works | 1. Exposed to Work at height (From Ladders, Scaffold and MEWP)<br>2. Use, control and storage of HCS (Paint, Thinner, Silicon, Tile adhesive, Cement, Bonding agents)<br>3. Use/operating of Small plant / equipment ( Compactor, Brick cutter, Concrete Mixer, Tile cutter, Grinders, Skill Saw / jigsaw)<br>4. Dust<br>5. Vibrations<br>6. Noise<br>7. Use of unsafe hand tools and portable electrical tools<br>8. Tools, equipment or materials falling from heights | <table><tr><td>1. Health &amp; safety (I)</td><td>4</td><td></td><td></td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>2. Cost (C)</td><td></td><td></td><td>4</td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>4. Environment (E)</td><td></td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr></table> <div>Total Average Risk Value65%</div> | 1. Health & safety (I) | 4 |   |     | 4 | 1 | 5   | 125 | 5 | 5 | 100 | 80% | 2. Cost (C) |  |  | 4 | 4 | 1 | 5 | 125 | 5 | 5 | 100 | 80% | 3. Productivity (P) |  | 3 |  | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | 4. Environment (E) |  |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | Mandatory or as per requirement |                                                                                     | 1. All tools, machinery or equipment used in the different trades must be safe to use and be inspected on a daily or weekly basis, all findings must be recorded on a checklist and reported to Construction Manager / Supervisor.<br>2. Workers operating Small plant or Machinery must be appointed and must have the required skills and knowledge on operating certain plant or machinery. These operators must be medically fit.<br>3. Workers exposed to work at height , must have a valid medical fitness and work at height training.<br>4. Scaffold, Ladders and MEWP must be inspected before use. Scaffold erector, Scaffold Inspector, Ladder Inspector and MEWP operator must be appointed with valid competencies<br>5. Workers must be supplied with the CORRECT minimum required PPE for each specific task.<br>6. Workers exposed to long periods of vibrations and Noise must take regular breaks or workers to be changed regularly.<br>7. All trades specific Risk Assessments and Safe working procedures must be communicated to the relevant exposed workers. Proof of communication must be kept.<br>8. Supervisor / Construction Manager to ensure NO overhead activities from different trades or simultaneous operations from different contractor overhead.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Principal Contractor |
| 1. Health & safety (I) | 4                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4                      | 1 | 5 | 125 | 5 | 5 | 100 | 80% |   |   |     |     |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |
| 2. Cost (C)            |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                      | 1 | 5 | 125 | 5 | 5 | 100 | 80% |   |   |     |     |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |
| 3. Productivity (P)    |                                                                                                        | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                      | 1 | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |
| 4. Environment (E)     |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                      | 1 | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |
| 33                     | Demolition work - (Demolition of Buildings)                                                            | 1. No Competent person appointed to supervise all demolition of building works<br>2. Unsafe removal / demolition of walls / structures<br>3. Dust<br>4. Falling debris / bricks / walls<br>5. Public entering demolition work area<br>6. Incompetent TLB operator<br>7. TLB used to demolish structure not in good condition<br>8. Structural integrity compromised                                                                                                      | <table><tr><td>1. Health &amp; safety (I)</td><td>4</td><td></td><td></td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>2. Cost (C)</td><td></td><td></td><td>4</td><td>4</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>100</td><td>80%</td></tr><tr><td>3. Productivity (P)</td><td></td><td>3</td><td></td><td>3</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>75</td><td>60%</td></tr><tr><td>4. Environment (E)</td><td></td><td></td><td>2</td><td>2</td><td>1</td><td>5</td><td>125</td><td>5</td><td>5</td><td>50</td><td>40%</td></tr></table> <div>Total Average Risk Value65%</div> | 1. Health & safety (I) | 4 |   |     | 4 | 1 | 5   | 125 | 5 | 5 | 100 | 80% | 2. Cost (C) |  |  | 4 | 4 | 1 | 5 | 125 | 5 | 5 | 100 | 80% | 3. Productivity (P) |  | 3 |  | 3 | 1 | 5 | 125 | 5 | 5 | 75 | 60% | 4. Environment (E) |  |  | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50 | 40% | Mandatory or as per requirement | Construction Warning signages to be posted to indicate demolition work taking place | 1. All Demolition work to be carried out under the supervision of a competent person who has been appointed in writing.<br>2. A detailed structural engineering survey of the structure to be demolished to be carried out and a method statement on the procedure to be followed in demolishing the structure to be developed by a competent person, before any demolition to be commenced.<br>3. As demolishing progresses the structural integrity of the structure to be checked at intervals as determined in the method statement by the appointed competent person in order to prevent any premature or uncontrolled collapse<br>4. Steps to be taken to ensure that where a structure is being demolished:<br>- precautions are taken to prevent the collapse of the structure when any frame, support or reinforcement is cut or removed;<br>- no employee is required or allowed to work under unsupported overhanging material; and<br>- the stability of an adjacent building, must not be compromised.<br>- Demolition area to be barricaded with warning signages posted to warn and prevent the public and the employees to enter the work area<br>- All employees, operators working inside the demarcated demolition area must wear the required PPE<br>- The location and nature of any existing services such as water, electricity, gas etcetera to be established before any demolition is commenced with and any service that may be affected by the demolition must be protected and made safe for employees and other persons.<br>5. Demolished structure / debris to be removed from site<br>6. All tools, equipment or plant used to demolish a structure must be inspected before use and findings recorded on a checklist.<br>7. Method Statement and Issue based Risk Assessment must be communicated to all relevant parties | Principal Contractor |
| 1. Health & safety (I) | 4                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4                      | 1 | 5 | 125 | 5 | 5 | 100 | 80% |   |   |     |     |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |
| 2. Cost (C)            |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                      | 1 | 5 | 125 | 5 | 5 | 100 | 80% |   |   |     |     |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |
| 3. Productivity (P)    |                                                                                                        | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                      | 1 | 5 | 125 | 5 | 5 | 75  | 60% |   |   |     |     |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |
| 4. Environment (E)     |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                      | 1 | 5 | 125 | 5 | 5 | 50  | 40% |   |   |     |     |             |  |  |   |   |   |   |     |   |   |     |     |                     |  |   |  |   |   |   |     |   |   |    |     |                    |  |  |   |   |   |   |     |   |   |    |     |                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |

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|----|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------|---|---|---|---|---|---|-----|---|---|-----|---------------------------------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 34 | Asbestos handling and removal<br>(If applicable) | 1. Inhalation of Asbestos fibers.<br>2. Improper Asbestos removal<br>3. Incompetent person conducting removal | 1. Health & safety (I)   | 4 |   |   | 4 | 1 | 5 | 125 | 5 | 5 | 100 | 80%                                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                  |
|    |                                                  |                                                                                                               | 2. Cost (C)              |   |   |   | 5 | 1 | 5 | 125 | 5 | 5 | 125 | 100%                                  |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                  |
|    |                                                  |                                                                                                               | 3. Productivity (P)      |   | 3 |   | 3 | 1 | 5 | 125 | 5 | 5 | 75  | 60%                                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                  |
|    |                                                  |                                                                                                               | 4. Environment (E)       |   |   | 2 | 2 | 1 | 5 | 125 | 5 | 5 | 50  | 40%                                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                  |
|    |                                                  |                                                                                                               |                          |   |   |   |   |   |   |     |   |   |     |                                       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                  |
|    |                                                  |                                                                                                               | Total Average Risk Value |   |   |   |   |   |   |     |   |   |     |                                       | 70% |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                  |
|    |                                                  |                                                                                                               |                          |   |   |   |   |   |   |     |   |   |     | Mandatory or<br>as per<br>requirement |     | 1. Risk Assessment and Method statement for Handling of Asbestos to be communicated to the relevant exposed employees.<br>2. Only registered Contractor will be allowed to removed and dispose Asbestos at a registered (designated ) facility - Proof of disposal must be kept on record<br>3. If Asbestos is noticed on site Department of Labour must be informed.<br>4. Only workers with the required task specific PPE will be allowed to handle and remove Asbestos<br>5. Other simultaneously operations in the direct vicinity of Asbestos must be halted / stopped until asbestos has been removed. | Principal Contractor<br>& Registered<br>Competent Asbestos<br>removal contractor |