

|   |  |                      |             |
|---|--|----------------------|-------------|
| <b>RISK ASSESSMENT TITLE / TASK</b>       | Preventing the spreading of Communicable Diseases (COVID-19) |                      |             |
| <b>PROJECT NAME</b>                       | Balwin – Mooikloof mega City                                 | <b>START DATE</b>    | 23 Nov 2020 |
| <b>RISK ASSESSMENT REFERENCE NO</b>       | COVID19-01   | <b>END DATE</b>      |             |
| <b>REVISION STATUS</b>                    | 01   | <b>REVISION DATE</b> | 2020-12-30  |
| <b>BRIEF DESCRIPTION OF WORK/ACTIVITY</b> | CONSTRUCTION WORK  |                      |             |

| REQUIRED AND EXISTING CONTROL MEASURES   | Available |    | Adequate |    | REMARKS                                |
|--|-----------|----|----------|----|--|
|  | Yes       | No | Yes      | No |  |
| Scope of Work (logical steps on how the task will be performed)                      | X         |    |          |    |  |
| Procedures: (WI / SOP / Vendor Spec)   | X         |    |          |    |  |
| Training, Induction, Competency Certificates, Specific Training / Other Instructions | X         |    |          |    |  |
| Special permits required (specify)   | X         |    |          |    |  |
| Equipment / Tool Registers / Others (specify)  | X         |    |          |    |  |
| Other  | X         |    | X        |    | Screening Questionnaire & Thermometers |

| PROBABILITY LEGEND       |  | CONSEQUENCE / INJURY / LOSS |   | RANKING               |          |          |          |          |   |   |
|--------------------------|--|-----------------------------|---|-----------------------|----------|----------|----------|----------|---|---|
| <b>A</b>                 | Has happened                                       | <b>5</b>                    | Fatality or permanent disability or > R 1,000,000   |                       | <b>A</b> | <b>B</b> | <b>C</b> | <b>D</b> |   |   |
| <b>B</b>                 | Quite possible to happen (Happen during last year) | <b>4</b>                    | Major Injury or > R 500,000 < R 1,000,000           | <b>5</b>              | 24       | 22       | 19       | 15       |   |   |
| <b>C</b>                 | Could Happen (No record of recent occurrence)      | <b>3</b>                    | Average Lost time Injury or > R 250,000 < R 500,000 | <b>4</b>              | 21       | 18       | 14       | 10       |   |   |
| <b>D</b>                 | Not likely to happen                               | <b>2</b>                    | Minor Injury or < R 250,000                         | <b>3</b>              | 17       | 13       | 9        | 6        |   |   |
| <b>PROB:</b> Probability |  | <b>CON:</b> Consequence     |   | <b>1</b>              | 12       | 8        | 5        | 3        |   |   |
| <b>HIGH RISK = 17-24</b> |  | <b>MEDIUM RISK = 7-15</b>   |   | <b>LOW RISK = 1-6</b> |          | <b>1</b> | 7        | 4        | 2 | 1 |

|                                      |  |
|--------------------------------------|--|
| <b>BASIC PPE REQUIRED FOR TASK</b>   | <input type="checkbox"/> <b>HARD HAT</b> <input type="checkbox"/> <b>OVERALL</b> <input type="checkbox"/> <b>EAR PROTECTION</b> <input type="checkbox"/> <b>DUST MUSK</b> <input type="checkbox"/> <b>SAFETY GLASSES</b><br><input type="checkbox"/> <b>SAFETY FOOTWEAR</b> <input type="checkbox"/> <b>GLOVES</b> <input type="checkbox"/> <b>SAFETY VEST</b> |
| <b>ADDITIONAL REFERENCES TO TASK</b> | <input type="checkbox"/> <b>METHOD STATEMENT</b> <input type="checkbox"/> <b>MSDS</b> <input type="checkbox"/> <b>PLANNED TASK OBSERVATION</b> <input type="checkbox"/> <b>SAFE WORK PROCEDURE</b> <input type="checkbox"/> <b>WORK INSTRUCTION</b>  |

| Step No                                      | Task / Equipment  | Potential Hazards  | Risks   | Existing/Current Controls   | Current Risk |     |         | Controls to Mitigate Risk  | Residual Risk |     |         |
|--|---|--|---|---|--------------|-----|---------|--|---------------|-----|---------|
|  | List task/activity steps  | Potential dangers that could cause harm. List the potential hazards  | Potential Risks due to Hazard   | Controls already in place to mitigate the hazard. List controls   | PROB         | CON | Ranking | It the risk is not tolerable, establish further controls to mitigate/prevent   | PROB          | CON | Ranking |
| <b>Transporting of employees to the site</b> |   |  |   |   |              |     |         |  |               |     |         |
| 1  | Use unauthorized-, inexperienced and newly qualified drivers when transporting workers using national roads | <ul style="list-style-type: none"> <li>No inspections are done</li> <li>Use of unroadworthy vehicles</li> <li>Speeding due to reckless driving</li> <li>Tiredness and fatigue</li> <li>Accidents</li> <li>Not all incidents or accidents being reported</li> <li></li> </ul> | <ul style="list-style-type: none"> <li>Fatalities</li> <li>Damages to property</li> <li>Legal liability claims</li> </ul> | <ul style="list-style-type: none"> <li>All drivers to be appointed with required competencies</li> <li>All drivers to be medical fit. Medical surveillance to be done, registered occupational nurse</li> <li>Induction training to all drivers</li> <li>Drivers to be aware of vehicle capabilities</li> <li>Follow the rules of the road</li> <li>Checklists to be completed</li> <li>Report defects immediately</li> <li>Follow vehicle maintenance program</li> </ul> | A            | 5   | 24      | <ul style="list-style-type: none"> <li>Contractor to check the validity of all competencies and certificates</li> <li>Keep proof of induction on file</li> <li>DSTI's/SOP</li> <li>Check registration of service provider</li> <li>Supervisor to sign off checklists as per organization procedures</li> </ul> | B             | 4   | 18      |

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|---------|---|--|--|--|--------------|-----|---------|--|---------------|-----|---------|
|         | List task/activity steps  | Potential dangers that could cause harm. List the potential hazards  | Potential Risks due to Hazard  | Controls already in place to mitigate the hazard. List controls  | PROB         | CON | Ranking | If the risk is not tolerable, establish further controls to mitigate/prevent   | PROB          | CON | Ranking |
| 2       | <ul style="list-style-type: none"> <li>Overloading of vehicles causing limited space</li> </ul>                 | <ul style="list-style-type: none"> <li>Spreading of communicable diseases by: <ul style="list-style-type: none"> <li>- Coughing</li> <li>- Sneezing</li> <li>- Sharing surfaces</li> <li>- Personal Interaction</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Occupational illnesses</li> </ul> | <ul style="list-style-type: none"> <li>Induction training</li> <li>Drivers to follow the rules of the road</li> <li>Drivers to be aware of vehicles capabilities/ capacities</li> <li>Follow government instructions when transporting people in different types of vehicles</li> <li>Use only pre-sanitized vehicles</li> <li>All workers to practice social distancing (1,5 m apart)</li> <li>Vehicle to be well ventilated</li> <li>Provide hand sanitizer.</li> <li>Issued PP</li> </ul> | A            | 5   | 24      | <ul style="list-style-type: none"> <li>Training/DSTI's/ Toolbox talks</li> <li>Enforce the use of PPE</li> <li>Consider shift arrangements if possible</li> </ul>  | B             | 3   | 13      |
| 3       | <ul style="list-style-type: none"> <li>Insufficient access</li> </ul>   | <ul style="list-style-type: none"> <li>Slip and fall</li> </ul>  | <ul style="list-style-type: none"> <li>Injuries</li> </ul>               | <ul style="list-style-type: none"> <li>Provide sufficient access utilizing a fixed ladder</li> <li>Follow ladder safety instructions</li> <li>Daily inspections/ Checklists</li> <li>Report defects immediately</li> <li>Issue correct PPE</li> </ul>  | B            | 3   | 13      | <ul style="list-style-type: none"> <li>Enforce the use of PPE</li> <li>Supervisor to sign of daily checklists</li> </ul>   | C             | 2   | 5       |
| 4       | <ul style="list-style-type: none"> <li>Climbing in and out of vehicle touching contaminated surfaces</li> </ul> | <ul style="list-style-type: none"> <li>Spreading of communicable diseases <ul style="list-style-type: none"> <li>- Coughing</li> <li>- Sneezing</li> <li>- Sharing surfaces</li> <li>- Personal Interaction</li> </ul> </li> </ul>     | <ul style="list-style-type: none"> <li>Infections</li> </ul>             | <ul style="list-style-type: none"> <li>Regular cleaning and disinfection of vehicles</li> <li>Contractor to ensure sanitizer is available</li> <li>Issued PPE</li> </ul>   | A            | 3   | 17      | <ul style="list-style-type: none"> <li>Regular inspections on hygiene products</li> <li>Regular cleaning of the vehicle with an alcohol-based sanitizer</li> </ul> | B             | 3   | 13      |

| Step No                                   | Task / Equipment  | Potential Hazards  | Risks  | Existing/Current Controls   | Current Risk |     |         | Controls to Mitigate Risk   | Residual Risk |     |         |
|---|---|--|--|---|--------------|-----|---------|---|---------------|-----|---------|
|   | List task/activity steps  | Potential dangers that could cause harm. List the potential hazards  | Potential Risks due to Hazard  | Controls already in place to mitigate the hazard. List controls   | PROB         | CON | Ranking | If the risk is not tolerable, establish further controls to mitigate/prevent  | PROB          | CON | Ranking |
| <b>Testing (Thermal) of all employees</b> |   |  |  |   |              |     |         |   |               |     |         |
| 1   | <ul style="list-style-type: none"> <li>No testing equipment and/ or PPE available to employees</li> </ul>       | <ul style="list-style-type: none"> <li>Spreading of communicable diseases by infected persons <ul style="list-style-type: none"> <li>- Coughing</li> <li>- Sneezing</li> <li>- Sharing surfaces</li> <li>- Personal Interaction</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Occupational illnesses</li> </ul> | <ul style="list-style-type: none"> <li>Induction training</li> <li>All workers to follow instructions on social distancing</li> <li>Contractor to ensure all testing equipment is available</li> <li>All equipment to be in working condition</li> <li>Issue of correct PPE</li> <li>Training in the use of PPE</li> <li>Contractor to ensure all workers are tested</li> </ul> | A            | 5   | 24      | <ul style="list-style-type: none"> <li>Avoid using sub-standard equipment</li> <li>Enforce the use of PPE</li> <li>Full-time supervision</li> </ul>   | B             | 3   | 13      |
| 2   | <ul style="list-style-type: none"> <li>Employees returning from areas with high levels of infections</li> </ul> | <ul style="list-style-type: none"> <li>Spreading of communicable diseases by infected persons <ul style="list-style-type: none"> <li>- Coughing</li> <li>- Sneezing</li> <li>- Sharing surfaces</li> <li>- Personal Interaction</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Occupational illnesses</li> </ul> | <ul style="list-style-type: none"> <li>Limit movement of workers on site</li> <li>Training to all personnel</li> <li>Provide sanitizer for regular use</li> <li>Practice social distancing</li> <li>PPE</li> </ul>  | A            | 5   | 24      | <ul style="list-style-type: none"> <li>Encourage to wash hands regularly</li> <li>Monitoring employees for any changes in the health condition</li> <li>Introduce designated area for self-isolation if experience symptoms whilst at work</li> </ul> | B             | 3   | 13      |
| 3   | <ul style="list-style-type: none"> <li>Employees purposely not adhere to instructions</li> </ul>                | <ul style="list-style-type: none"> <li>Spreading of communicable diseases by infected persons <ul style="list-style-type: none"> <li>- Coughing</li> <li>- Sneezing</li> <li>- Sharing surfaces</li> <li>- Personal Interaction</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Occupational illnesses</li> </ul> | <ul style="list-style-type: none"> <li>Induction training</li> <li>Record keeping</li> <li>Follow organizational procedures</li> </ul>  | A            | 5   | 24      | <ul style="list-style-type: none"> <li>Supervision</li> </ul>   | B             | 3   | 13      |
| 4   | <ul style="list-style-type: none"> <li>Personnel not trained on how to conduct tests</li> </ul>                 | <ul style="list-style-type: none"> <li>Incorrect gathering/ implementation of data can allow persons to spread the virus</li> </ul>  | <ul style="list-style-type: none"> <li>Occupational illnesses</li> </ul> | <ul style="list-style-type: none"> <li>Contractor to ensure all users received the necessary training</li> <li>Follow the instruction manual</li> <li>Sufficient equipment made available</li> <li>All equipment must be calibrated in advance if necessary</li> </ul>  | B            | 4   | 18      | <ul style="list-style-type: none"> <li>Supervision</li> <li>Training</li> <li>Keep records of calibration.</li> </ul>   | C             | 4   | 14      |

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|---|---|---|--|--|--------------|-----|---------|--|---------------|-----|---------|
|   | List task/activity steps  | Potential dangers that could cause harm. List the potential hazards   | Potential Risks due to Hazard  | Controls already in place to mitigate the hazard. List controls  | PROB         | CON | Ranking | If the risk is not tolerable, establish further controls to mitigate/prevent   | PROB          | CON | Ranking |
| <b>Induction training for all employees</b> |   |   |  |  |              |     |         |  |               |     |         |
|   | <ul style="list-style-type: none"> <li>Not all employees/ visitors received induction training</li> </ul> | <ul style="list-style-type: none"> <li>Lack of knowledge to keep social distancing</li> <li>Spreading of communicable diseases by:               <ul style="list-style-type: none"> <li>- Coughing</li> <li>- Sneezing</li> <li>- Sharing surfaces</li> <li>- Personal Interaction</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Fatalities</li> <li>Serious Injuries</li> <li>Damages</li> <li>Occupational diseases</li> </ul> | <ul style="list-style-type: none"> <li>All employees to complete an attendance register</li> <li>No person allowed on site without induction training</li> <li>New/ Revised Risk assessments and SOP's to be included</li> <li>Task-specific training</li> <li>Employees to follow all instructions</li> <li>Emergency - and evacuation procedure to be included</li> <li>Follow government instructions on social distancing (1.5m)</li> <li>Arrange gathering into a smaller group</li> <li>Provide PPE</li> </ul> | B            | 5   | 22      | <ul style="list-style-type: none"> <li>Full-time supervision</li> <li>Attendance registers to be kept on file</li> <li>Contractor to ensure all safety documents/ and policies are discussed</li> <li>Enforce the use of PPE</li> </ul>            | C             | 4   | 14      |
|   |   | <ul style="list-style-type: none"> <li>Unauthorized entering to the site</li> </ul>   | <ul style="list-style-type: none"> <li>Fatality</li> <li>Serious injuries</li> <li>Damages</li> </ul>                                  | <ul style="list-style-type: none"> <li>Access control</li> <li>Designated parking areas</li> <li>Nominated person to accompany visitors on site</li> <li>Complete training register</li> <li>Accountability for visitors</li> <li>Demarcate and display warning signs</li> <li>Only allows urgent visits</li> <li>Restrict access to high-risk areas</li> <li>Wiping all equipment handled by visitors</li> <li>Provide PPE</li> </ul>   | B            | 5   | 22      | <ul style="list-style-type: none"> <li>Trained personnel to managed access control</li> <li>Safety equipment and registers to be mainly handled by an access control officer</li> <li>Straw to be used when blowing into a breathalyser</li> </ul> | C             | 4   | 14      |

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|---|--|--|--|--|--------------|-----|---------|--|---------------|-----|---------|
|   | List task/activity steps   | Potential dangers that could cause harm. List the potential hazards  | Potential Risks due to Hazard  | Controls already in place to mitigate the hazard. List controls  | PROB         | CON | Ranking | If the risk is not tolerable, establish further controls to mitigate/prevent   | PROB          | CON | Ranking |
| <b>Sanitizing of all areas and machines on site</b> |  |  |  |  |              |     |         |  |               |     |         |
| 13  | <ul style="list-style-type: none"> <li>Employees entering working areas and using plant, equipment and vehicles without being pre-sanitized</li> </ul> | <ul style="list-style-type: none"> <li>Spreading of communicable diseases by: <ul style="list-style-type: none"> <li>- Coughing</li> <li>- Sneezing</li> <li>- Sharing surfaces</li> <li>- Personal Interaction</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Occupational illnesses</li> </ul> | <ul style="list-style-type: none"> <li>Regular cleaning of working areas</li> <li>No person to use equipment, plant, vehicles unless sanitized and disinfected</li> <li>Pre-start</li> <li>Operators to clean and sanitize hands, keys and mechanisms</li> <li>Operators to wear gloves</li> <li>Keep sanitizer in machines/ vehicle</li> <li>Induction training for all cleaning staff</li> <li>Identified and concentrate more on high touched points</li> <li>Pre-cleaning surfaces</li> <li>Contractor to provide approved products</li> <li>Follow manufacturers' instructions</li> <li>Never mix cleaning products unless recommended</li> <li>Cleaning staff to be issued with correct PPE</li> </ul> | B            | 4   | 18      | <ul style="list-style-type: none"> <li>Training staff in preventative measures of spreading the virus</li> <li>Training on the two-step process</li> <li>Cleaning facilities twice a day</li> <li>Follow government guidelines on combatting COVID-19</li> <li>Displaying of printed media in popular areas on-site and notice board</li> <li>Consider adequate facilities to wash hands and sanitize</li> <li>Toolbox talks</li> <li>Regular disinfection of all related areas on-site including eating areas/ locker rooms of employees</li> </ul> | C             | 4   | 14      |

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|--------------------------------|--|--|--|---|--------------|-----|---------|---|---------------|-----|---------|
|                                | List task/activity steps   | Potential dangers that could cause harm. List the potential hazards  | Potential Risks due to Hazard  | Controls already in place to mitigate the hazard. List controls   | PROB         | CON | Ranking | If the risk is not tolerable, establish further controls to mitigate/prevent  | PROB          | CON | Ranking |
|                                | <ul style="list-style-type: none"> <li>Incorrect handling of HCS</li> </ul>              | <ul style="list-style-type: none"> <li>Exposure to fumes</li> <li>Skin contact</li> </ul>  | <ul style="list-style-type: none"> <li>Respiratory problems</li> <li>Chemical burns</li> </ul> | <ul style="list-style-type: none"> <li>Working area to be well ventilated</li> <li>Training in MSDS</li> <li>Trained First Aiders and stocked first aid kit.</li> <li>Labelling of containers and stored in the designated store</li> <li>Display warning signs</li> <li>Report spillages</li> <li>PPE</li> </ul>   | C            | 3   | 9       | <ul style="list-style-type: none"> <li>Full-time supervision</li> <li>Enforce the use of PPE</li> </ul>   | D             | 1   | 1       |
| <b>Distancing of employees</b> |  |  |  |   |              |     |         |   |               |     |         |
|                                | <ul style="list-style-type: none"> <li>No social distancing between personnel</li> </ul> | <ul style="list-style-type: none"> <li>Spreading of communicable diseases by: <ul style="list-style-type: none"> <li>Coughing</li> <li>Sneezing</li> <li>Sharing surfaces</li> <li>Personal Interaction</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Infections</li> </ul>                                   | <ul style="list-style-type: none"> <li>Follow government instructions on social distancing</li> <li>Avoid forming crowds</li> <li>Limit groups when having meetings</li> <li>Frequent cleaning of high touched surfaces</li> <li>Stand one (1) step back from desks</li> <li>Do not touch face (mouth, nose, eyes) when touching high touched surfaces</li> <li>Avoid interaction with neighbouring activities</li> </ul> | A            | 3   | 17      | <ul style="list-style-type: none"> <li>Supervision</li> <li>Training</li> <li>Arrange a video conference for meetings, if possible.</li> <li>Arrange for breaks to be in smaller groups.</li> <li>Adopting working from home if possible</li> </ul> | B             | 3   | 13      |