


















Project		COVID-19 Construction Sites		Evaluator Name		Thulani Bukhosini		<div style="text-align: center;"> <b>BASELINE RISK ASSESSMENT</b>   <b>S34-BRA-0001 00</b> </div>																																																																																																													
Compiled By		DBSA-IDD-SHEQ		Signature																																																																																																																	
Date of Assessment		04 June 2020		Responsible Manager																																																																																																																	
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PROBABILITY INDEX	5	Almost certain to inevitable	SEVERITY INDEX INJURY/DISEASE (I)	5	Fatal	SEVERITY INDEX PRODUCTION (P)	5	No production	SEVERITY INDEX ENVIRONMENT (E)	5	Permanent effects	SEVERITY INDEX COST (C)	5	> R500 000	FREQUENCY INDEX	5	Hazard permanently present	PROBABILITY VALUE X SEVERITY VALUE X FREQUENCY VALUE /125 = TOTAL SCORE (%)																																																																																																			
	4	Probable		4	Permanent to Slight Disability		4	Loss of 1 month or more production		4	Long term 2 years		4	R100 000 - R499 999		4	Hazard arises every week																																																																																																				
	3	Improbable		3	14 Days with complete recovery		3	Loss of 1 week of production		3	Med - 6 months to 1 year		3	R10 000 - R99 999		3	Hazard arises every month																																																																																																				
	2	Less than even chance		2	Medical attention 14 Days with complete recovery		2	Loss of 1 days's production		2	Short term - 1 day to 6 months		2	R1 000 - R9 999		2	Hazard arises every year																																																																																																				
	1	High improbable		1	First aid only		1	Loss of 1 man shift		1	Insignificant effect		1	R0 - R999		1	Hazard arises every 5 years																																																																																																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <b>Risk Value</b>  <table border="1"> <tr><td>A</td><td>80 - 100%</td><td>Very High Risk</td></tr> <tr><td>B</td><td>60 - 79%</td><td>High Risk</td></tr> <tr><td>C</td><td>40 - 59%</td><td>Medium Risk</td></tr> <tr><td>D</td><td>20 - 39%</td><td>Lower Risk</td></tr> <tr><td>E</td><td>0 - 19%</td><td>Low Risk</td></tr> </table> </div> <div style="width: 80%;"> <b>PPE Requirement &amp; Safety Signs</b>  <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">A </div> <div style="text-align: center;">B </div> <div style="text-align: center;">C </div> <div style="text-align: center;">D </div> <div style="text-align: center;">E </div> <div style="text-align: center;">F </div> <div style="text-align: center;">G </div> <div style="text-align: center;">H </div> <div style="text-align: center;">I </div> <div style="text-align: center;">J </div> <div style="text-align: center;">K </div> <div style="text-align: center;">L </div> <div style="text-align: center;">M </div> <div style="text-align: center;">N </div> <div style="text-align: center;">O </div> </div> </div> </div>																		A	80 - 100%	Very High Risk	B	60 - 79%	High Risk	C	40 - 59%	Medium Risk	D	20 - 39%	Lower Risk	E	0 - 19%	Low Risk																																																																																					
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1	Site Preparation - Disinfecting Facilities (offices, bathrooms/toilets, eating areas) , ensuring sufficient handwashing stations and or hand sanitizing stations, Procuring of sufficient amount of required PPE.			1) Handling of chemicals to clean surfaces (Health Hazards) Eye contact with splashing chemicals, skin irritations and even burns from strong chemicals used to clean, dizziness and nausea from inhaling of hazardous chemicals 2) Dust 3) Touching of surfaces, door handles and materials that might have been contaminated with Covid - 19		Exposure (close contact) to a person with confirmed or suspected COVID-19 or getting in contact with surfaces that might have been contaminated could lead to severe health effects and even fatality, and if not attended to or self isolation could lead to the spread of the virus.																																																																																																															

2	Travel to and from construction site	1) PSP's , contractor management and DBSA project teams traveling from 1 province to another. 2) Flights(domestic) / Airports 3) Teams traveling in big groups 4) Contaminated vehicle / transport / taxi's / busses 5) Pick up and drop off areas for public transport	<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>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>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> <p>Exposure (close contact) to a person with confirmed or suspected COVID-19 or getting in contact with surfaces that might have been contaminated could lead to severe health effects and even fatality, and if not attended to or self isolation could lead to the spread of the virus.</p> <p>Total Average Risk Value</p> <p>75%</p>	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)		5	5	1	5	125	5	5	125	100%	4. Environment (E)		2	2	1	5	125	5	5	50	40%	PPE requirements for traveling are not limited, but the following PPE must be considered - Dustmasks / respiratory protection and gloves	1) PSP's, Contractor management and DBSA project team to minimize travel to site. Work from home should be priority, meetings can be scheduled through available technology platforms. 2) Flights Will not be allowed until proven save by President of the Republic 3) Professional teams travelling to sites by vehicle will be limited to 2 persons, if 1 person drives/operate the vehicle and another person need to be seated at the back. If vehicle is a single cab, strictly only 1 person will be allowed in the vehicle. bus services and e-hailing services shall not carry more than 50% of the licensed capacity and taxi services shall not carry more than 70% of the licensed capacity 4) All Vehicles / public transport must be disinfected / sanitized before entering. Before entering public transport ensure to sanitize or wash your hands with soap, as soon as arrival on site ensure to wash your hands with soap or sanitize before entering the construction area. All employees 5) Pick up and drop off areas for public transport the employees and general public must ensure social distancing is adhered to. Do not sit or stand next to other people , keep at least a safe distance of between 1.5m and 2m.	Principal Contractor
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3	Security / Access Control to construction site	1) PSP's , contractor management and DBSA project teams visiting sites 2) Employees returning to sites 3) Material deliveries 4) Public / unauthorised persons entering construction sites 5) Employees / visitors / public / project team with confirmed positive Covid-19 or with flu-like symptoms entering sites 6) Employees gathering in groups at site laydown area or site entrance	<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>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>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> <p>Exposure (close contact) to a person with confirmed or suspected COVID-19 or getting in contact with surfaces that might have been contaminated could lead to severe health effects and even fatality, and if not attended to or self isolation could lead to the spread of the virus.</p> <p>Total Average Risk Value</p> <p>75%</p>	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)		5	5	1	5	125	5	5	125	100%	4. Environment (E)		2	2	1	5	125	5	5	50	40%	PPE must be supplied to all employees / visitors entering the site	1) PSP's, Contractor management and DBSA project team must ensure compliance to regulations and access procedures for the specific sites 2) All employees and visitors to the site must undergo general medical screening (Non-contract Thermometer) to take the persons temprature. Any employee or visitor with a temprature of 38' degrees shall not be allowed to enter the site. This person must immediately be isolated from other persons and must be revered to a nearby testing station. 3) All employees and visitors must complete travel declaration that must include travel to any possible hot spot areas. If traveled to any hot spot areas the person must first be medically declared safe / not positive for Covid-19 before allowed to entering the site. 4) All employees or visitors entering site with flu-like symptoms will not be allowed to enter the site. If employees or visitor do not declare they have flu-like symptoms and it is noticed by construction team or employees , criminal action will be taken against such person. 5) Deliveries to site must be handled with the same policy or procedure as for all employees and visitors on site. Employees handling the delivery or the offloading must ensure PPE requirements are met. 6) Social distancing to be implemented at site entrances, principal contractor to ensure procedure is implemeted and adhered to. 7) every worker to report whether they suffer from any of the following additional symptoms: body aches, loss of smell or loss of taste, nausea, vomiting, diarrhoea, fatigue, weakness or tiredness.	Principal Contractor
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4	Site specific Health and safety Induction	1) Large groups of employees to undergo induction 2) Induction not addressing procedures, risk assessment and information in relation with Covid-19 3) Inductions conducted in confined spaces 4) Inappropriate social distancing when conducting inductions 5) No control of amount of employees to be or that were inducted.	<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>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>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> <p>Exposure (close contact) to a person with confirmed or suspected COVID-19 or getting in contact with surfaces that might have been contaminated could lead to severe health effects and even fatality, and if not attended to or self isolation could lead to the spread of the virus.</p> <p>Total Average Risk Value</p> <p>75%</p>	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)		5	5	1	5	125	5	5	125	100%	4. Environment (E)		2	2	1	5	125	5	5	50	40%	PPE must be supplied to all employees / visitors entering the site	1) Current Health and Safety Inductions to be reviewed and amended to ensure information regarding procedures, safe working procedure and risk assessments address risk associated with Covid-19. 2) Inductions to be conducted in small groups not larger than 15 employees / visitors at a time. This Induction must be conducted in an open well ventilated area (like in the open air). 3) When conducted Induction all employees to comply to the social distancing requirements of having at least 1.5 m- 2m between each other. 4) Registers for all employees to be available and kept updatedwith the following information: - Age of Employees - Health status – (High risk immunocompromised) - Socio economic status/Unskilled Labour - Accommodation	Principal Contractor
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5	Site Facilities / Toilets / Hand wash Stations / Eating areas / Offices or boardrooms	<p>1) Bathrooms, toilets, hand wash stations, offices and eating areas surfaces contaminated and not cleaned on a regular basis throughout the duration of the day</p> <p>2) Insufficient amount of soap, hand sanitizer, cleaning materials</p> <p>3) Insufficient amount of Toilets (chemical and flushable toilets)</p> <p>4) Inappropriate social distancing at these mentioned areas</p> <p>5) Offices, eating area not well ventilated</p> <p>6) Site offices over populated (to many managers/supervisors sharing a office</p>	<p>1. Health &amp; safety (I) 4</p> <p>2. Cost (C) 4</p> <p>3. Productivity (P) 5</p> <p>4. Environment (E) 2</p> <p>Exposure (close contact) to a person with confirmed or suspected COVID-19 or getting in contact with surfaces that might have been contaminated could lead to severe health effects and even fatality, and if not attended to or self isolation could lead to the spread of the virus.</p>	<p>4 1 5 125 5 5 100 80%</p> <p>4 4 1 5 125 5 5 100 80%</p> <p>5 1 5 125 5 5 125 100%</p> <p>2 2 1 5 125 5 5 50 40%</p> <p><b>Total Average Risk Value</b></p> <p>75%</p>	Cloth masks and gloves are required at all times	Signages to be displayed location for Offices, Eating areas, Bathroom facilities	<p>1) Eating areas to be set up in such a way that the maximum number of persons who will use the area at any one time are able to maintain the required social distancing of 1 metre. Should this not be practicable, meal times are to be staggered on a rotational basis to avoid contact between persons. No communal drinking facilities at eating areas (shared cups etc.).</p> <p>The PC to provide adequate supplies of bottled water to all employees on site. Empty bottles to be disposed of as normal waste. Training and awareness to address procedures and the importance of good hygiene practice. Workers are required to stay on site once they have entered it and not use local shops.</p> <ul style="list-style-type: none"> <li>Break times should be staggered to reduce congestion and contact at all times.</li> <li>Workers should be asked to bring pre-prepared meals and refillable drinking bottles from home.</li> </ul> <p>2) Ablution facilities are an essential facility that must be available for workers across a site. Facilities are a high risk area and increased cleaning regimes are required to be introduced. A policy on how this will be done is required, that will cover both portable and permanent facilities. The following are considerations, which include, inter alia:</p> <ul style="list-style-type: none"> <li>Portable toilets to be provided at a 1:10 ratio</li> <li>Cleaners to continually clean and have a formal cleaning regime (checklist to be conducted and kept for records)</li> <li>Hand washing facilities (soap and water, paper towel) to be available where possible, and if not, to provide hand sanitizer</li> <li>Flush toilets preferably 1:15 unless increased cleaning regime present;</li> <li>Restrict the number of people using toilet facilities at any one time e.g. use a welfare attendant;</li> <li>Wash hands before and after using the facilities;</li> <li>Enhance the cleaning regimes for toilet facilities particularly door handles, locks and the toilet flush;</li> <li>Portable toilets should be avoided wherever possible, but where in use these should be cleaned and emptied more frequently;</li> <li>Provide suitable and sufficient rubbish bins for hand towels with regular removal and disposal that need to be managed as hazardous waste;</li> </ul>	Principal Contractor
6	Site inspections / visits and site meetings	<p>1) Coming into contact with infectious surfaces/ item/ individuals</p> <p>2) Inappropriate social distancing when meetings are held in container office</p> <p>3) Large group of Teams, managers, agent and client representatives visiting site and moving around on site</p> <p>4) Insufficient amount of PPE for visitors</p> <p>5) Procedures / Induction not followed</p> <p>6) Visitors not aware of Emergency procedures</p>	<p>1. Health &amp; safety (I) 4</p> <p>2. Cost (C) 4</p> <p>3. Productivity (P) 5</p> <p>4. Environment (E) 2</p> <p>Exposure (close contact) to a person with confirmed or suspected COVID-19 or getting in contact with surfaces that might have been contaminated could lead to severe health effects and even fatality, and if not attended to or self isolation could lead to the spread of the virus.</p>	<p>4 1 5 125 5 5 100 80%</p> <p>4 4 1 5 125 5 5 100 80%</p> <p>5 1 5 125 5 5 125 100%</p> <p>2 2 1 5 125 5 5 50 40%</p> <p><b>Total Average Risk Value</b></p> <p>75%</p>	All visitor must comply to the PPE requirements. If not, the visitors will not be allowed to enter the site	Signages at site entrance to indicate site office and rules	<p>1) Meeting areas/ preferably use technology (Skype, Zoom, Microsoft teams):</p> <p>The PC is to limit the number of employees at all activities to the minimum required to do the work in a safe manner. Where possible meetings must be held in open areas limited to essential personnel. Technological alternatives to be exploited for meeting attendance if possible.</p> <p>2) All visitors attending site meetings must undergo site induction were all procedures and rules are explained in relation with Covid-19 requirements.</p>	

7	Accommodation for contractor employees	1) Accommodation for employees over populated 2) Inappropriate social distancing practised within a house environment 3) Insufficient cleaning practises in the house (disinfecting of surfaces and laundry) 4) No handwash station or hand sanitizer available before entering the house 5) Employees bringing visitors/ family to the house	1. Health & safety (I) 2. Cost (C) 3. Productivity (P) 4. Environment (E)	4 5 2	4 4 2	1 1 1	5 5 5	125 125 125	5 5 5	5 5 5	100 100 125 50	80% 80% 100% 40%			1) Where accommodation is provided by the contractor/sub-contractor, factors to be considered in the procedure include, inter alia: • Density of occupants to allow for adequate social distancing (minimum 1.5m) in sleeping and dining quarters; • Restriction on the number of persons using the same sanitary/hygiene facilities; • Provision of dedicated crockery and cutlery for each occupant, together with a procedure for effective cleaning and safe storage of same and a prohibition on the sharing of utensils; • Dedicated facilities for safekeeping of personal belongings and abovementioned utensils for each person. Such facilities are to allow for total segregation of belongings and must be easy to sanitize. Provision of such facilities for safekeeping to be accompanied with a procedure for the use and sanitizing of the storage facility to reduce the risk of cross-contamination; • Facilities for accommodation provided by the contractor to have in place stringent procedures for personal hygiene, ongoing maintenance of sanitizing and social distancing, and • Additional rules to include a prohibition on the sharing of clothing, towels and other personal belongings, as well as the laundering of clothing for multiple persons at the same time. 2) Handwashing / Sanitizing stations to be available at contractor accommodation. Employees to ensure washing and disinfecting of hand before entering the accommodation. 3) Sealable bags provided to each person for keeping PPE requiring laundering, such as gloves and overalls, to ensure each person's PPE is contained and not cross contaminate other employees PPE.	Principal Contractor
8	Handling of tools, equipment and materials	1) Coming into contact with infectious surfaces/ item/ individuals	1. Health & safety (I) 2. Cost (C) 3. Productivity (P) 4. Environment (E)	4 5 2	4 5 2	1 1 1	5 5 5	125 125 125	5 5 5	5 5 5	100 100 50	80% 80% 100% 40%	Mandatory PPE required as per site requirements and Specific PPE required to ensure employees are protected in respect of Covid-19		1) All tools used by employees to be disinfected daily before and after use. 2) Materials handled by employees to be disinfected before handled by another employee. 3) Storage areas must be strictly controlled with handwash stations or sanitizer available before handling materials or tools. 4) Social distancing to be implemented within the storage area.	Principal Contractor
9	Construction Trades in close proximity (Brickwork, Plaster work, Steelfixing, Work from scaffold, Confined space activities, excavations, plumbing, tiling) (this list is not ultimate and is only as a guide)	1) Large group of employees working in close proximity of each other 2) Coming into contact with infectious surfaces/ item/ individuals	1. Health & safety (I) 2. Cost (C) 3. Productivity (P) 4. Environment (E)	4 5 2	4 5 2	1 1 1	5 5 5	125 125 125	5 5 5	5 5 5	100 100 50	80% 80% 100% 40%	Mandatory PPE required as per site requirements and Specific PPE required to ensure employees are protected in respect of Covid-19	PPE requirements signage to be displayed on site	1) Where it is not possible to maintain the required distance between workers due to the nature of the work activity, e.g. curb laying, confined working areas, rebar tying, preparing wire cages, the contractor will be required to implement, maintain and enforce a procedure to adequately protect such workers against potential infection with the corona virus. This includes but is not limited to: Providing adequate supplies of suitable PPE such as face masks, task specific gloves, safety glasses, disposable/additional coveralls; PPE used during multi-person activities to be exchanged immediately after the task is completed;	Principal Contractor

10	Training / Informations	1) Employees, visitors and communities in surrounding areas has a lack of knowledge in respect of Covid-19	<div> <div>1. Health &amp; safety (I)</div> <div>4</div> <div>4</div> <div>1</div> <div>5</div> <div>125</div> <div>5</div> <div>5</div> <div>100</div> <div>80%</div> </div> <div> <div>2. Cost (C)</div> <div></div> <div>4</div> <div>4</div> <div>1</div> <div>5</div> <div>125</div> <div>5</div> <div>5</div> <div>100</div> <div>80%</div> </div> <div> <div>3. Productivity (P)</div> <div>5</div> <div></div> <div>5</div> <div>1</div> <div>5</div> <div>125</div> <div>5</div> <div>5</div> <div>125</div> <div>100%</div> </div> <div> <div>4. Environment (E)</div> <div></div> <div>2</div> <div>2</div> <div>1</div> <div>5</div> <div>125</div> <div>5</div> <div>5</div> <div>50</div> <div>40%</div> </div> <div> <div>Exposure (close contact) to a person with confirmed or suspected COVID-19 or getting in contact with surfaces that might have been contaminated could lead to severe health effects and even fatality, and if not attended to or self isolation could lead to the spread of the virus.</div> <div>Total Average Risk Value</div> <div>75%</div> </div>		Training information to be displayed on site, at offices and at site entrances.	1) Toolbox talks to be conducted outdoors when possible in order for persons to maintain social distancing. Where inclement weather does not allow for this, toolbox talks to be conducted with smaller groupings of workers in a sheltered area large enough to maintain social distancing. 2) Regular training sessions to be held to ensure employees are updated on Covid-19 cases, information and control measures. 3) Awareness posters displayed on site and site entrances. 4) The Principal Contractor must provide workers with information that raises awareness in any form or manner, including where reasonably practicable leaflets and notices placed in conspicuous places in the workplace informing workers of the dangers of the virus, the manner of its transmission, the measures to prevent transmission such as personal hygiene, social distancing, use of masks, cough etiquette and where to go for screening or testing if presenting with the symptoms.	Principal Contractor
11	Waste disposals	1) Exposure to Group 4 Hazardous Biological Agent 2) Coming into contact with infectious items / PPE like dustmasks, gloves 3) Inappropriate disposal of worn PPE	<div> <div>1. Health &amp; safety (I)</div> <div>4</div> <div>4</div> <div>1</div> <div>5</div> <div>125</div> <div>5</div> <div>5</div> <div>100</div> <div>80%</div> </div> <div> <div>2. Cost (C)</div> <div></div> <div>4</div> <div>4</div> <div>1</div> <div>5</div> <div>125</div> <div>5</div> <div>5</div> <div>100</div> <div>80%</div> </div> <div> <div>3. Productivity (P)</div> <div>5</div> <div></div> <div>5</div> <div>1</div> <div>5</div> <div>125</div> <div>5</div> <div>5</div> <div>125</div> <div>100%</div> </div> <div> <div>4. Environment (E)</div> <div></div> <div>2</div> <div>2</div> <div>1</div> <div>5</div> <div>125</div> <div>5</div> <div>5</div> <div>50</div> <div>40%</div> </div> <div> <div>Exposure (close contact) to a person with confirmed or suspected COVID-19 or getting in contact with surfaces that might have been contaminated could lead to severe health effects and even fatality, and if not attended to or self isolation could lead to the spread of the virus.</div> <div>Total Average Risk Value</div> <div>75%</div> </div>	Specific PPE required for handling of chemicals / hazardous waste (PVC gloves, dustmasks, overalls or coveralls) Above and beyond the mandatory PPE for the site		1) Separate waste bins (must be labeled) for used PPE (gloves, masks) must be supplied by the principal contractor. Dustmasks and gloves to be disposed as hazardous waste  2) Waste must be disposed at a registered waste facility. (Proof of waste disposal must be kept for record keeping). 3) Employees handling waste must comply to the PPE requirements before handling such.	Principal Contractor
12	Medical Surveillance	1) Employees not medically fit to work 2) Employees with chronic conditions / Tuberculosis / HIV 3) Employees over the age of 50	<div> <div>1. Health &amp; safety (I)</div> <div>4</div> <div>4</div> <div>1</div> <div>5</div> <div>125</div> <div>5</div> <div>5</div> <div>100</div> <div>80%</div> </div> <div> <div>2. Cost (C)</div> <div></div> <div>4</div> <div>4</div> <div>1</div> <div>5</div> <div>125</div> <div>5</div> <div>5</div> <div>100</div> <div>80%</div> </div> <div> <div>3. Productivity (P)</div> <div>5</div> <div></div> <div>5</div> <div>1</div> <div>5</div> <div>125</div> <div>5</div> <div>5</div> <div>125</div> <div>100%</div> </div> <div> <div>4. Environment (E)</div> <div></div> <div>2</div> <div>2</div> <div>1</div> <div>5</div> <div>125</div> <div>5</div> <div>5</div> <div>50</div> <div>40%</div> </div> <div> <div>Exposure (close contact) to a person with confirmed or suspected COVID-19 or getting in contact with surfaces that might have been contaminated could lead to severe health effects and even fatality, and if not attended to or self isolation could lead to the spread of the virus.</div> <div>Total Average Risk Value</div> <div>75%</div> </div>			1) All employees on site undergo routine medical examinations specific to the work to be performed taking into account the hazard and risk exposures. This to address pre-employment examination, periodic examination as required, and exit examinations. 2) Where medical examinations are governed by legislation, the principal contractor to ensure the legislative requirements are complied with by all employees. 3) All the employees performing work on site are declared medically fit for the work they are to perform. 4) Employees are notified confidentially by the construction health and safety officer or other appropriate delegated person of the results and interpretation of their medical examinations and any abnormal findings, health conditions, referrals or recommendations made as well as any restrictions that may become evident from medical examinations. 5) In the event of referrals or recommendations for additional testing or consultation with health specialists, proof of action taken by the principal contractor to be maintained. Action taken could be a scheduled appointment with a specialist, an appointment for the additional testing etcetera. 6) Copies of valid medical certificates of fitness to be available in the occupational health and safety file. The requirements above to be founded on a duty of care towards employees to ensure employees are made aware of any health conditions or health restrictions which may have resulted from or may be aggravated by work activities on site or associated areas. The consultation, notification and communication with the employee to, with the employees' written consent, be made available upon request for verification by the client.	Principal Contractor

13	Emergency Procedures	<p>1) No emergency procedure addressing the handling of suspected infected employees.</p> <p>2) Inappropriate social distancing at emergency evacuation points</p> <p>3) Insufficient First Aid box content</p> <p>4) No Specific PPE available for first aiders to attend to injured employees</p>	<p><b>1. Health &amp; safety (I)</b> 4 4 1 5 125 5 5 100 80%</p> <p><b>2. Cost (C)</b> 4 4 1 5 125 5 5 100 80%</p> <p><b>3. Productivity (P)</b> 5 5 1 5 125 5 5 125 100%</p> <p><b>4. Environment (E)</b> 2 2 1 5 125 5 5 50 40%</p> <p>Exposure (close contact) to a person with confirmed or suspected COVID-19 or getting in contact with surfaces that might have been contaminated could lead to severe health effects and even fatality, and if not attended to or self isolation could lead to the spread of the virus.</p>	75%	Specific PPE required for first aiders to attend to injured employees	<p>Signages required to indicate the location of First Aid facilities, emergency evacuation route / location, emergency contacts</p> <p>1) An updated emergency plan is to be completed that is in line with the current Regulations of the National Disaster Management Act.</p> <p>a. First aid</p> <p>Extra gloves, and disinfectants are to be available, first aiders are to be issued with at least FFP2 masks should they be required to respond</p> <p>b. Evacuation plans</p> <p>Evacuation plans should consider social distancing.</p> <p>c. Isolation of potentially infected workers</p> <p>The emergency plan is to consider how anyone who arrives on site and displays any of the symptoms, or has a raised temperature.</p> <p>2) Emergency response plan must be developed, implemented and communicated for persons suspected of being infected with or exposed the virus. The procedure is to be applicable to all levels of management and supervision, employees and local labour.</p>	Principal Contractor
14	Social Distancing	<p>1) Large groups of employees in close proximity</p> <p>2) Employees working close to each other</p> <p>3) Site entrance / access</p> <p>4) Site facilities / ablutions / offices / eating areas</p>	<p><b>1. Health &amp; safety (I)</b> 4 4 1 5 125 5 5 100 80%</p> <p><b>2. Cost (C)</b> 4 4 1 5 125 5 5 100 80%</p> <p><b>3. Productivity (P)</b> 5 5 1 5 125 5 5 125 100%</p> <p><b>4. Environment (E)</b> 2 2 1 5 125 5 5 50 40%</p> <p>Exposure (close contact) to a person with confirmed or suspected COVID-19 or getting in contact with surfaces that might have been contaminated could lead to severe health effects and even fatality, and if not attended to or self isolation could lead to the spread of the virus.</p>	75%		<p>Principal contractor to ensure that the construction site and facilities are set up in such a way that it will be possible as far as is practicable to maintain the required social distancing of a minimum of 1 metre between persons when at work. Floor vinyls / markers can be used to indicate the correct spacing inbetween each other.</p> <p>1) Tasks that require more than 1 person to complete</p> <p>Where it is not possible to maintain the required distance between workers due to the nature of the work activity, the contractor will be required to implement, maintain and enforce a procedure to adequately protect such workers against potential infection with the corona virus.</p> <ul style="list-style-type: none"> <li>- Adequate supplies of suitable PPE such as face masks, task specific gloves, safety glasses, disposable/additional coveralls to be issued to employees;</li> <li>- The PPE used during multi-person activities to be exchanged and disposed as hazardous waste immediately after the task is completed;</li> <li>- Sealed bins to be provided for disposable PPE such as masks, disposable coveralls, disposable gloves, etc.;</li> <li>- Sealable bags provided to each person for keeping PPE requiring laundering, such as gloves and overalls, and</li> <li>- Sanitising/washing facilities provided for immediate sanitizing of hard hats, safety glasses, shoes, safety harnesses etc. on completion of multi-person tasks.</li> </ul> <p>All the above to be utilized when breaking for lunch or leaving the site, and before commencing with the next or new work activity.</p> <p>2) It must, as far as practicable, minimize the number of workers on at the workplace at any given time through rotation, staggered working hours, shift systems, remote working arrangements or similar measures in order to achieve social distancing.</p> <p>3) If it is not practicable to arrange work stations to be spaced at least one and a half metres apart, the employer must- arrange physical barriers to be placed between work stations or erected on work stations to form a solid physical barrier between workers while they are working;</p>	Principal Contractor
15	Health Hazards	<p>1) Handling of Hazardous chemical when Cleaning and disinfecting surfaces (skin, eye, inhaling)</p>	<p><b>1. Health &amp; safety (I)</b> 4 4 1 5 125 5 5 100 80%</p> <p><b>2. Cost (C)</b> 4 4 1 5 125 5 5 100 80%</p> <p><b>3. Productivity (P)</b> 5 5 1 5 125 5 5 125 100%</p> <p><b>4. Environment (E)</b> 2 2 1 5 125 5 5 50 40%</p> <p>1) Skin contact with hazardous chemicals could cause skin irritation and even burns (Dermatitis)</p> <p>2) Eye contact with chemicals splashing could cause serious eye burns and even temporary blindness</p> <p>3) Inhaling of chemical fumes could cause headache, dizziness and even nausea</p>	75%	Task Specific PPE require to handle hazardous chemicals	<p>Signage required at storage area for all hazardous chemicals / MSDS's must be available at storage area</p> <p>1) MSDS /SDS to be available for all chemicals used on site. MSDS / SDS to be communicated to all the exposed employees to ensure they gain the required knowledge on how to handle the specific hazardous chemicals safely.</p> <p>2) Employees that is required to deep clean facilities before start of project and daily is required to wear the required PPE ( Dustmask / respiratory protection, safety goggles, PVC gloves, overalls or coveralls).</p>	Principal Contractor
16	Early warning signs	<p>1) Employees and visitors with fever or flu-like symptoms not reported</p>	<p><b>1. Health &amp; safety (I)</b> 4 4 1 5 125 5 5 100 80%</p> <p><b>2. Cost (C)</b> 4 4 1 5 125 5 5 100 80%</p> <p><b>3. Productivity (P)</b> 5 5 1 5 125 5 5 125 100%</p> <p><b>4. Environment (E)</b> 2 2 1 5 125 5 5 50 40%</p> <p>Exposure (close contact) to a person with confirmed or suspected COVID-19 or getting in contact with surfaces that might have been contaminated could lead to severe health effects and even fatality, and if not attended to or self isolation could lead to the spread of the virus.</p>	75%	Reporting procedure to be posted on site	<p>1) Reporting procedures to be communicated to all employees and visitors entering the site.</p> <p>2) Encourage employees to report immediately if any symptoms arise.</p> <p>3) If a worker has been diagnosed with COVID-19, an employer must- inform the Department of Health and the Department of Employment and Labour; and investigate the cause including any control failure and review its risk assessment to ensure that the necessary controls and PPE requirements are in place.</p> <p>4) If the worker is already at work immediately-isolate the worker, provide the worker with a FFP1 surgical mask and arrange for the worker to be transported in a manner that does not place other workers or members of the public at risk either to be self-isolated or for a medical examination or testing.</p>	Principal Contractor

17	Pre - site entrance screening	1) Coming into contact with infectious individuals	<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>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>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> <p>Exposure (close contact) to a person with confirmed or suspected COVID-19 or getting in contact with surfaces that might have been contaminated could lead to severe health effects and even fatality, and if not attended to or self isolation could lead to the spread of the virus.</p>	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)	5		5	1	5	125	5	5	125	100%	4. Environment (E)		2	2	1	5	125	5	5	50	40%	Personnel conducting pre-entering screening to ensure they are fully compliant with PPE requirements	Screening of all employees entering the Construction site is vital in ensuring that all the DBSA Construction site remains COVID-19 free. The Principal contractors preventative control measures must include: 1) Travel declaration questionnaire must be completed by all security personnel, professional teams, client teams, principal contractor employees and contractors before entering the site gate. 2) Adequately train (directly or indirectly) identified employee/s to perform daily workplace COVID-19 symptom screening. The average normal body temperature is generally accepted as (37°C). 3) Provide compulsory medical screening equipment example: Non-contact Thermometers. 4) Provide prescribed personal protective equipment (PPE) to those assigned to perform the screening. Face Shields and masks will be made available to screening personnel. 5) All required items to operate safely must be available at the screening desk, these includes, hand sanitizers, pens for filling in registers and travel declaration questionnaire. Should employees or visitors fail the questionnaire to be completed they should not be allowed to enter site. 6) Any employee/team member displaying a temperature between 37.1°C and 37.9°C will be isolated and placed either next to the Security Guardhouse or in his/her vehicle until second temperature testing is done. 7) The employee/team member temperature will be taken again after 15 min. If the temperature has increased the person will be required to leave and go to the closest Clinic, access to site will be denied. 8) If the employee/team member temperature has decreased to an acceptable/normal level, access will be granted. 9) Any employee/team member with a temperature of 38°C or above will be denied access and will be required to leave immediately and be advised to visit a Doctor; 10) All cases where persons were denied access a detailed register kept on site of the date, name of contractor, name of employee, contact number. 11) Principal contractor should keep record of all such screening, and should an employee show any positive symptoms related to COVID-19, then such an employee must be isolated from other employees, provided with gloves and mask, and the Department of Health Hotline 0800 029 999 immediately contacted.	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)	5		5	1	5	125	5	5	125	100%																																								
4. Environment (E)		2	2	1	5	125	5	5	50	40%																																								

18	Procurement of PPE and Sanitizers, disinfectants and other measures	1) Insufficient amount of PPE available for all employees 2) No Soap, sanitizers or disinfectants available on site	<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>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>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> <p>Exposure (close contact) to a person with confirmed or suspected COVID-19 or getting in contact with surfaces that might have been contaminated could lead to severe health effects and even fatality, and if not attended to or self isolation could lead to the spread of the virus.</p>	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)	5		5	1	5	125	5	5	125	100%	4. Environment (E)		2	2	1	5	125	5	5	50	40%	Personnel conducting pre-entering screening to ensure they are fully compliant with PPE requirements	1) All required PPE must be available on site prior to start of work 2) Employees to be issued with a minimum of 2 overalls. 3) Material masks at least 2 per person to be issued to all employees on site. All employees, visitors on site must wear a dustmask or a material face mask. 4) Procedure for disposing of used PPE to be implemented, monitored and communicated to all employees and visitors. 5) Dustmasks and latex gloves to be disposed after each use and should not be used over a period of 1 day 6) Every employer must, free of charge, ensure that – there are sufficient quantities of hand sanitizer based on the number of workers or other persons who access the workplace at the entrance of, and in, the workplace which the workers or other persons are required to use and every employee who works away from the workplace, other than at home, must be provided with an adequate supply of hand sanitizer.	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%																																								
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