

Occupational Health and Safety Baseline

Business/Operating unit:	
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Date:		
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Refer to Occupational Health and Safety Risk

<i>List activity</i>	<i>Hazard Identification</i>	<i>Associated risk</i>	<i>Risk type</i>	<i>What are the possible consequences?</i>
List specific activities to be performed taking into consideration the equipment to be used, the personnel involved in the task.	Anything with potential to cause of harm. Note: A hazard can pose more than one risk.	A chance that injury , ill health or damage could occur as a result of uncontrolled hazard.	Safety or health	Consider the worse case scenario without controls?

Crane operations	1) Adverse Weather Conditions 2)Crane movements	1) Flooding and Falling loads, 2) Boom Failure; tipping over and dropped loads	Safety	Fatality and damage to property
Lifting & Rigging	1) Lifting equipment	1) Load falling	Safety	fatalities and Property damage
Working at heights	Heights/ elevated position	1) personel Falling From Heights	Safety	fatalities
Electrical Installations	Electricity	1)Electrocution	Safety	fatalities and Property damage
Commisioning activities	1)electricity	1)Explosions, Electrocution,	Safety	Fatality and property damage
Hot work	1)gases& fumes	1)inhalation	Safety	Fatality and property damage

Working in open spaces and on structures	Adverse weather conditions lightning,	1)lightning strikes	Safety	Fatalities and property damage
Working in confined space	1)hazardous atmosphere and substances	1)Asphyxiation & Oxygen Enrichment, Airborne Combustable dust/vapours	Safety	Fatality and property damage
Transportation of Materials	1) improper stacking/securing of loads 2)uneven roads 3) mode of transportation	falling materials /loads; spillage	Safety	Fatality and property damage
Manual handling	(1) heavy loads	(1) Dropped/falling loads, pinch points	Safety	Injuries And Property damage
Drilling	Drill rig/bits	1)Flying debris 2) Dust inhalation 3) Noise exposure	Safety	LTI and cases
***Driving	1)Motor Vehicle, Buses & Taxis	1 & 2)motor vehicle accidents	Safety	Multiple Fatalities and Property damage

**Office hazards	1)hot water from hydroboiler	1) Contact with hot boiler or spilled with hot water	Safety	LTI, Section 24 and property damage
***Office and site wide hazards	COVID-19 Pandemic	1)Human to human transmission through droplets; 2)transmission through contaminated surface	Health	Fatalities & illness
Night work	1) night conditions	1)poor illumination	Safety	fatalities and property damage
***Use of lifts and elevators	Equipment operation at heights	1) brake failure; equipment dropping; strong winds; equipment running out of control	Safety	fatalities and property damage
***Site-wide lighting	Poor lighting/ visibility on construction areas	Trip and fall,	Health	LTI
**Opening and Closing of doors	vehicles and facility doors	Struck by and pinch point	Safety	LTI

ne risk assessment template

		Next Review Date (every 2 years):	Template identifier:
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Authorised by:	Name:	Document identifier	
	Designation:	Revision number:	1
	Signed:	Revision date:	31-May-24
	Date:		

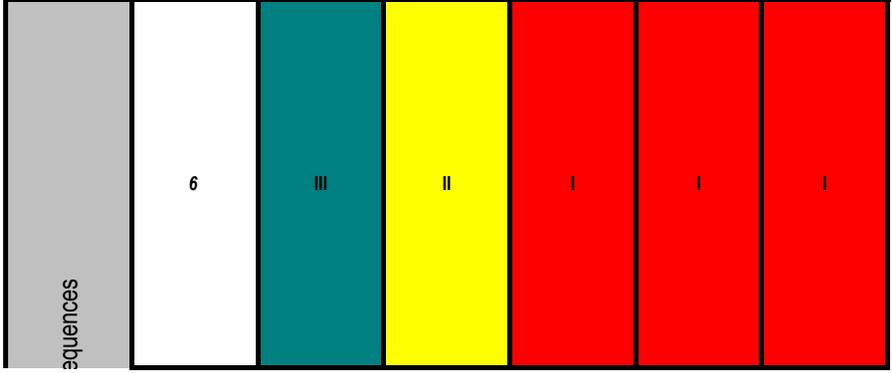
Assessment procedure 32-520

<i>Existing Controls</i>				<i>Control Owner</i>	<i>Legal and Other Requirements</i>
Include: - <u>Preventative Controls</u> (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and - <u>Reactive Controls</u> (controls implemented to reduce the immediate impact of the risk occurring) Elimination Substitution Engineering controls Administrative controls Personal protective equipment (PPE)	Consequence	Likelihood	Risk Priority Rating	RCE Risk Control Effectiveness	Person allocated the responsibility for implementing the agreed controls Where relevant, list the relevant legislative and or Eskom requirements that prescribe the control.

<p>1) Weather Monitoring.</p> <p>2) Training and awareness , inspections and maintenance, compliance to legislation and eskom procedures, Contractors Safe work procedures, Barricading, Warning Signals and rigging study/plan.</p> <p>3) Conduct DSTI for all crane activities</p>	5	C	II	Fully effective	Ingula Execution Team and SHE Manager	SHE Specification Section 35, OHSAct. Eskom level procedures 39 -98
<p>1 & 2) Competency and supervsion, inspections and maintenance, DSTI, adherence to SWP.</p>	5	C	II	Fully effective	Ingula Execution Team	SHE Specification Section 35, OSH Act. Eskom Standard 39-98 .
<p>1) FAS Competency and fall protection and prevention systems, medical survailance provision of appropriate PPE</p> <p>2) Site inspections; fall protection and prevention systems</p> <p>3)competency, inspections and maintenance</p>	5	C	II	Mostly effective	Ingula Execution Team	IPSS SHE Specification , OSH Act (sec 8 & CR 10). Eskom Standard 32-418 ;SANS 10085
<p>1)competency,training and Awareness ,adherence to life saving rule 1 & 5,appropriate PPE,signages</p> <p>2) inspections and maintenance, security measures</p> <p>3)Signage, adherence to life saving rule 1 & 5; competency,training and Awareness,fire restraining electrical boards.</p>	4	B	III	Fully effective	Ingula Execution Team	IPSS SHE Specification , OSH Act Eskom Regulation 36-681; Eskom Standard 240-62196227; life saving rule procedure
<p>1))competency,training and Awareness ,adherence to life saving rule 1 & 5,appropriate PPE,signages</p> <p>2)signages,Training and awareness; inspections , Eskom Procedures,compliance to Legislation, Contractors Safe work Procedures & Supervision</p>	5	B	III	Fully effective	Ingula Execution Team	IPSS SHE Specification 40, OSH Act , Eskom Regulation 36-681; Eskom Standard 240-62196227.
<p>1)proper ventilation, use of PPE</p> <p>2)routine inspections,flashback arrestors,competency,</p> <p>3)routine inspections, good housekeepingcable management,use of lanyard on hoses</p> <p>4)use of appropriate PPE,use of welding screens,fire watch,hot work permit</p>	5	B	II	Mostly effective	Ingula Execution Team	IPSS SHE Specification , OSH Act , Eskom Regulation 36-681; Eskom Standard 240-62196227.

<ul style="list-style-type: none"> 1) Weather monitoring 2) controlled access point 3) competency 	6	B	I	Fully effective	Ingula Execution Team	IPSS SHE Specification , OSH Act , Eskom Regulation 36-681; Eskom Standard 240-62196227.
<ul style="list-style-type: none"> 1)artificial ventilation, environmetal monitoring 2)maintennce, safe work procedures 3) inspection prior entry 4) procedures 5) maintenance and inspections 6) adequate ventilation & ppe 7)hearing protection 8)training and awareness 	5	A	II	Fully effective	Ingula Execution Team	0
<ul style="list-style-type: none"> 1) regular inspection; training and awareness 2) road maintenance and inspection 3) competency and vehicle maintenance 	5	C	II	Fully effective	Ingula Execution Team	IPSS SHE Specification , OSH Act , Eskom Regulation 36-681; Eskom Standard 240-62196227.
<ul style="list-style-type: none"> (1) SWP, buddy systems, pallet/dunnage, Assistance lifting (mechanical), (2) Rotation of team, SWP (3) Proper stacking and storage, good housekeeping, supervision, proper access/egress (4) Inspections, maintenance, proper body position (away from the line of fire) 	4	C	II	Fully effective	Ingula Execution Team	0
<ul style="list-style-type: none"> (1) SWP, Dust suppression and screens 2) dust suppression and proper PPE 3) Proper PPE 	4	A	III	Fully effective	Ingula Execution Team	0
<ul style="list-style-type: none"> 1) Vehicle Training & campaigns, inspections and servicing of vehicles, substance abuse programme, licence renewal 2) Routine road maintenance and monitoring 3) SAP2MOVE, traffic management procedures 	6	B	I	Fully effective	Ingula Execution Team	IPSS SHE Specification , Tracffic Management Plan; National Traffic Act

1) Awareness and maintenance 2) Illumination survey, ergonomic configuration and maintenance 3) training and awareness	4	B	III	Mostly effective	Ingula Execution Team	OHS Act and Environmental and Facilities regulations
1) Encourage work from home if possible, mandatory wearing of protective mask in public, washing of hands with soap, sanitiser with at least 70% alcohol, social distancing, control access gates, daily screening and taking body temperature, promote hygiene	5	E	I	Mostly effective	Ingula Execution Team	Occupational health and safety measures in workplace (COVID-19 (C19 OHS), Disaster Management Regulation
1) additional lighting	5	B	II	Fully effective	Ingula Execution Team	OHS Act and Environmental and Facilities regulations
1) competency, inspections and maintenance; Weather monitoring and SWP and load limit signages	5	C	II	Mostly effective	Ingula Execution Team	OHS Act and lift, escalators & passenger conveyor regulations
DSTI, Mobile lights,	4	B	IV	Mostly effective	Ingula Execution Team	OHS Act and Environmental and Facilities regulations
Inspections, Awareness, warning signages	4	C	II	Mostly effective	Ingula Execution Team	OHS Act, Facilities regulations and Construction Regulation 23, Kusile SHE Specification



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	2	IV	IV	III	II	II











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R	Safety	1	A	Fully effective	I
N	Health	2	B	Mostly effective	II
		3	C	Mostly ineffective	III
		4	D	None	IV
		5	E		
		6			