Occupational Health and Safety Baseline risk assessment

Project/Dept:		Scope of Risk Assessment:	GOU		PROJECTS	Next Review Date:	
Unique identifier	240-70044602						
Date:		Prepared by:		Authorised by:	Name: Signed:______________________ Date:______________________	Revision:	0
						Revision date:	

Refer to Occupational Health and Safety Risk assessment procedure 32-520

1: List activity | 2: Hazard identification | 3: Risk identification | 4: Assess & Analyse Risks | 4: Evaluate Risk | 5: Reduce & Eliminate Risk

List activity	Hazard nr	Hazard Identification	Risk Nr	Exposed group/employees	Risk Owner	Exposure patterns	Associated risk	Risk type	Conditions(Normal/Abnormal)	Cause(s) of the risk	What are the Consequences?	First determine Consequence and then the Likelihood of that Consequence: Consequence	Likelihood	Risk Priority Rating
List specific activities to be performed taking into consideration the equipment to be used, the personnel involved in the task	n	A hazard is anything that is likely to lead to an event that will have an adverse impact on achieving an objective. A hazard can pose more than one risk	#	Who is exposed to the hazard i.e. Employees, visitors, members of the public, etc.	Who is accountable for making sure the controls and monitors are: - in place, - implemented, - regularly reviewed for effectiveness	The frequency and duration the person/group is exposed to the hazard e.g. Daily for 3 hrs	A physical event occurs in relation to the hazard	Safety or health	Indicate Yes or No. These short-term changes to conditions that could not be reasonably anticipated e.g. Emergencies	What causes the risk to come into effect?	What is the expected adverse impact on the objective?			
Driving of vehicles	1	Driving on public roads	1	Exposed group/employees	Company Owner	Daily	Involved in accident	Safety	Normal	Not adhering to the speed limit,Not paying attention, not farmialr with the road,making use of cellphone, distractions, exposed to unsafe behavours, congested roads, Pedestrians and live stock, Taxi and Truck on the road, Civil unrest. Negligent driving	Fatalities,Injuries, Property damage	4	3	II
	2	Overspeeding of vehicles		Exposed group/employees	Company Owner	Daily	Risk of personnel being injured by overspeeding vehicles. Drivers losing control of vehicles. Damaging injury to third parties	Safety	Normal	Not adhering to speed limit by drives	Fatalities,injuries to driver and pedestrians or property damage	4	3	II
	3	Driving without safety belt buckled up		Exposed group/employees	Company Owner	Daily	Severe Injuries when involved in an Accident	Safety	Normal	Not adhering to life saving rules	Fatality or severe Injuries	4	3	II
	4	Reverse Parking of vehicles at basement parking lot.		Exposed group/employees	Company Owner	Daily	Risk of vehicle collision, risk of vehicles colliding with parking lot support stands	Safety	Normal	Faillure of drivers to observe before parking	property damage	1	3	III
	5	Personnel movement and vehicle within the premises		Exposed group/employees	Company Owner	Daily	Personnel are at risk of being bumped by a vehicle or an Accident	Safety	Normal	Faillure of observation by drivers and pedesetrians and unavailability of pedestrian crossings	minor injuries and property damage	3	3	II
	6	Driving	2	Exposed group/employees	Company Owner	Daily	Vehicle incidents	Safety	Normal	Not paying attention, risk assement not done, not farmialr with the road,wet roads, making use of cellphone,driver fatique distractions, exposed to unsafe behavours, Less rest periods, Taxi and Truck, Pedestrians and live stock. Negligence and wreckless driving	Injuries, Property damage	4	3	II
Working in the field	7	Bees	18	Exposed group/employees	Company Owner	Daily	Bee stings	Health	Normal	**Employees with Anaphylaxis for bee stings are especially at high risk**	Allergic reaction ie. pain, redness. swelling, itching, sweating, anxiety, dizziness or fainting. Possible fatality.	3	2	III
	8	Snakes	19	Exposed group/employees	Company Owner	Daily	Snake bites	Health	Normal	Working in the field, vegetation & weather condition	Shock, fever, fainting, rapid pulse and breathing difficulties and worse case fatality.	3	2	III
	9	Wet or slippery or uneven surfaces	20	Exposed group/employees	Company Owner	Daily	Slip, Trip & Fall on wet floors or uneven surfaces	Safety	Normal	Weather conditions,not paying attention & un even surface	Injury	3	3	II
Storage of Material	1	Light material - Stay Rods, Earth Spikes, Insulators Bolts & Nuts, Vibration Dempers, Meterboxes, Distribution boxes, Fuse carriers, Fuse holders, T-Jointa, Lugs, Ferrules, Thimbles, Dead-end Grip, Stay insulators, Fuse Links, Bird Diverters, Foot Plates, Strut Brackets, Binding Straps, Meters, etc.	188	Exposed group/employees	Company Owner	Daily	Injury	Safety	NO	Handling of Material - No Supervision	Possible Fatality,Lost time injury and back injuries	2	3	II
	2	Compressor, Jackhammer, Pruner, Chain Saw, Portable Electrical Equipment, Spade & Picks, Compactors, Vehicles, Office Equipment, etc.	189	Exposed group/employees	Company Owner	Daily	Injury	Safety	NO	Incorrect Handling of Tools - No Supervision, Improper use of PPE, Man Handling of tools	Possible Fatality,Lost time injury and back injuries	4	3	II
Storage of tools	1	Oil, Petrol, Diesel, Thinners, Paint etc.	190	Exposed group/employees	Company Owner	Daily	Burning/ Asphyxiation	Health	NO	Fire fightng equpment available, Regular inspection of equipment, Training of Fire Fighting, MSDS (Material Safety Data Sheet)	Lost time injury, Medical injury and environmental impact	4	2	III
Storage of flammables	2	Litter,general construction and maintenance waste	191	Exposed group/employees	Company Owner	Daily	ground-, air-, water pollution - environmental risk	Health	no	Not following safe working procedures, staff not properly trained, bad housekeeping	Damage to people and the enivronment	2	3	III
Storage of Waste	3	Hazardous waste	192	Exposed group/employees	Company Owner	Daily	ground-, air-, water pollution - environmental risk	Health	no	Not following safe working procedures, staff not properly trained, bad housekeeping	Damage to people and the enivronment	2	3	III
	4	Oil contaminated soil and materials	193	Exposed group/employees	Company Owner	Daily	ground-, air-, water pollution - environmental risk	Health	no	Not following safe working procedures, staff not properly trained, bad housekeeping	Damage to people and the enivronment	2	3	III
	5	Disposal of printer ink and cartidges	194	Exposed group/employees	Company Owner	Daily	ground-, air-, water pollution - environmental risk	Safety	no	Not following safe working procedures, staff not properly trained, bad housekeeping	Damage to people and the enivronment	2	3	III
	6	Herbicides and contaminated containers	195	Exposed group/employees	Company Owner	Daily	ground-, air-, water pollution - environmental risk	Health	no	Not following safe working procedures, staff not properly trained, bad housekeeping	Damage to people and the enivronment	4	3	III
	7	Mercury containing lamps and tubes	196	Exposed group/employees	Company Owner	Daily	ground-, air-, water pollution - environmental risk	Health	no	Not following safe working procedures, staff not properly trained, bad housekeeping	Damage to people and the enivronment	4	3	III
	8	Asbestos waste	197	Exposed group/employees	Company Owner	Daily	ground-, air-, water pollution - environmental risk, lung related illness.	Health	no	Not following safe working procedures, staff not properly trained, bad housekeeping	Damage to people and the enivronment	2	3	III
	9	Poisonous Substances	199	Exposed group/employees	Company Owner	Daily	Poisoning of the body, irritation to skin & eyes	Health	NO	Not wearing PPE (Gloves & Face Mask)	LTI or Medical	4	3	II
Herbicide Application	22	Environmental Hazard	200	Exposed group/employees	Company Owner	Daily	Damage to the environment	Safety	NO	Wrong Product & incorrect application	Damaging Fauna & Flora	1	3	III
EXCAVATION by machinery - digging of holes, trenches	23	Diesel fumes and dust	2	Exposed group/employees	Company Owner	Daily	Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, injuries	4	2	III
	24	Moving machinery eg. Swinging boom	3	Exposed group/employees	Company Owner	Daily	Staff struck by moving machinery	Safety	NO	Operation of the machine, No Supervision, Inadequate risk assessment	Possible Fatality,Lost time injury and back injuries	4	3	II
	25	Noise	4	Exposed group/employees	Company Owner	Daily	Staff exposed to excessive noise	Health	NO	Operation of the machine	NIHL	4	2	III
	26	Excavation	5	Exposed group/employees	Company Owner	Daily	Excavation collapse, Staff falling into excavations, Machine falling into excavation	Safety	NO	No proper supervision, NoShoring of excavation, Improper barrication	Possible fatalities - Back injuries	5	4	I
	27	Loading / off- loading of the machine,	6	Exposed group/employees	Company Owner	Daily	Equipment falling on staff, other equipment	Safety	NO	Inadequate Supervision, Not following safe work procedure, Staff not properly trained, Inadequate risk assessment.	Possible property damage - Injury to staff	4	3	II
	28	Underground services	7	Exposed group/employees	Company Owner	Daily	Damage to services/ property - Electrocution	Safety	NO	Way leave not up to date	Possible fatalities - Injury to staff	5	4	I
	29	Repetitive work	8	Exposed group/employees	Company Owner	Daily	Carpal tunnel syndrome	Health	NO	No Regular breaks	Hand injuries	3	2	III
EXCAVATION by Hands - digging of holes, trenches	30	Improper use of hand tools	9	Exposed group/employees	Company Owner	Daily	Damaged hand tools	Safety	NO	No regular inspection of tools, Incorrect hand tools,	Hand injuries, Broken bones	2	3	III
	31	Trenches collapsing		Exposed group/employees	Company Owner	Daily	Injuries	Safety	NO	No boxing and shoring of excavation	Lost Time Injuries / Fatalaties	5	4	I
	32	Open trenches	10	Exposed group/employees	Company Owner	Daily	Excavation collapse, Staff falling into excavations,	Safety	NO	No proper supervision, NoShoring of excavation, Soil structure,	Possible fatalities - Back injuries	5	2	II
	33	Underground services	11	Exposed group/employees	Company Owner	Daily	Damage to services/ property - Electrocution	Safety	NO	Way leave not up to date	Possible fatalities - Injury to staff	5	4	I
JACKHAMMER - digging of holes, braking up of rocks or stones, pavements	34	Vibration	13	Exposed group/employees	Company Owner	Daily	Hand body vibration	Health	NO	Operation of the machine	Injuries	2	1	IV
	35	Flying debris	14	Exposed group/employees	Company Owner	Daily	Lower Respiratory diseases - Eye injury	Safety	NO	Operation of the machine, Not making use of PPE	Injuries	2	3	III
	36	Diesel fumes and dust	15	Exposed group/employees	Company Owner	Daily	Air pollution - Lung irritation	Health	NO	Operation of the machine, Not making use of PPE	Injuries	2	3	III
			16	Exposed group/employees	Company Owner	Daily	Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, Lost time injury	4	2	III
	37	Awkward posture	17	Exposed group/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Safety	NO	No Regular breaks	Injuries	2	2	IV

Hazard nr	Existing Controls	RCE Risk Control Effectiveness	Additional Controls or Tasks Aimed at improving Existing Controls	First determine Consequence and then the Likelihood of that Consequence: Consequence	Likelihood	Risk Priority Rating	Monitoring Mechanisms	Control Owner	Legal and Other Requirements	Initial Target Date	Revised Target Date	Current Status	Independent Verification (i.e. Confirmation that the objectives have been met): Date Done:	By whom:	Comments
n	Include: - Preventative Controls (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and - Reactive Controls (controls implemented to reduce the immediate impact of the risk occurring)		Include: - Preventative Controls (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and - Reactive Controls (controls implemented to reduce the immediate impact of the risk occurring)				How we know if we are succeeding. Include comments on effectiveness. This may include i.e. measurements, inspections, supervision where necessary.	Person allocated the responsibility for implementing the agreed controls	Where relevant, list the relevant legislative and or Eskom requirements that prescribe the control.	Once a date has been agreed to, this can not be changed	Used if, for any reason, a Target Date is revised. Use the Comments field to explain.	Pending, In Progress, Complete	Date Done:	By whom:	
1	Staff driving vehicles to have national driver's license and Eskom driver's evaluation permit, vehicles in roadworthy condition, only transport authorised staff in vehicle, pre-trip checks,and obeying of all traffic laws, Adherence to life saving rules and drive Cam.Discuss in safety meetings	P	To adhere to the existing controls	4	3	II	Vehicle Inspections	Employer	National Road Safety Act. ESKOM Procedure 32-93 (Vehicle and driver safety management) . ESKOM Procedure 36-588 (Vehicle safety and transportation management) , Life saving rules						
2	Drivers to adhere to company rules and srtrictly drive at required speed limits on the premises.Driving assessment and Behaviour observations.valid drivers permit and eskom driving permit		Securities to monitor movement of vehicles and report overspeeding of vehicles.monitoring of speeding fines.wreckless drivers to be accompanied by Manager/supervisor	1	3	III	Report on speed violations	Employer	Eskom Procedure and National Traffic Regs						
3	Life Saving Rules.		Adherence to National Traffic Rules	4	3			Employer							
4	Drivers to ensure good observation is maintained. request assistance if required.		Drivers to switch on headlights to improve visibility when necessary.Request assistance if required.	1	3	III	Incident Stats	Employer							
5	Drivers and pedestrians to ensure good observation is maintained, adherence to pedestrian crossings and speed limits		Improve signage ,communication to staff and visibility of pedestrian crossing.adhering to speed limits	1	3	III		Employer							
6	Staff driving vehicles to have national driver's license and Eskom driver's evaluation permit, vehicles in roadworthy condition, only transport authorised staff in vehicle, pre-trip checks,and obeying of all traffic laws, adherence to life saving rules.	P	To adhere to the existing controls	3	2	III	Incident records	Employer	National Road Safety Act. ESKOM Procedure 32-93 (Vehicle and driver safety management) . ESKOM Procedure 36-588 (Vehicle safety and transportation management) , Life saving rules						
7	Individuals to be aware of their status regarding allergies and inform rest of group. In the case of a bee sting, make use of a first aider.	P	Employees to confirm for bee allergies	2	2	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) 85 of 1993 Section: 14 GENERAL DUTIES of EMPLOYER Subsection: (a) - (d) read with Section: 21 GENERAL PROHIBITIONS Subsection: (c)			In Progress			
8	Leave snakes alone. Always be aware of your surroundings. Stay out of tall grass unless you wear thick leather boots.Keep hands and feet out of areas you cannot see. It is very important to try and note what the snake looked like (colour, size etc).... to assist Medical Services or treating physician to establish what anti-venom to administer	P	Employees to be tested for allergies	2	4	III		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) 85 of 1993 Section: 14 GENERAL DUTIES of EMPLOYER Subsection: (a) - (d) read with Section: 21 GENERAL PROHIBITIONS Subsection: (c)			In Progress			
9	Obey barricades & sign posting, PPE to be worn, be aware of where you are stepping, clean up spills immediately, Safety talks & Risk Assesment	P	Awareness	2	2	IV	Records	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) section 8 (1): Employer shall provide and maintain as far as is reasonably practocable a			In Progress			
1	Training/authorisation. correct lifting equipment. Supervision, Q52 Critical Task Procedure. Critical Task Training. Observations. pre-job brief. SHE talks. Inspection certificate. Use of Vehicle Mounted Crane	P	Maintain existing controls	2	1	IV		Employer	(EPC 32-247, EPC 32-245, EPC 32-249, DPC 34-350, DPC 34-2200, DPC 34-350)						
2	Training/authorisation. correct lifting equipment. Supervision, Q52 Critical Task Procedure. Critical Task Training. Observations. pre-job brief. SHE talks. Inspection certificate. Use of Vehicle Mounted Crane	P	Maintain existing controls	2	1	IV	Inventory, inspections,	Employer	(EPC 32-247, EPC 32-245, EPC 32-249, DPC 34-350, DPC 34-2200, DPC 34-350)						
1	Firefighting training, regular inspection of fire fighting equipment, Supervision	P	Maintain existing controls	2	1	IV	Inventory	Employer	(EPC 32-247, EPC 32-245, EPC 32-249, DPC 34-350, DPC 34-2200, DPC 34-350)						
2	Waste management training, Safe working procedures, applicable PPE, medical surveilance	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
3	Waste management training, Safe working procedures, applicable PPE, medical surveilance	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
4	Waste management training, Safe working procedures, applicable PPE, medical surveilance	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
5	Waste management training, Safe working procedures, applicable PPE, medical surveilance	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
6	Waste management training, Safe working procedures, applicable PPE, medical surveilance	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
7	Waste management training, Safe working procedures, applicable PPE, medical surveilance	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
8	Waste management training, Safe working procedures, applicable PPE, medical surveilance	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
9	Wearing PPE (Gloves & Face Mask)	F	Maintain existing controls, use appropriate decanting device	1	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
22	Only purchace approved products, provide sufficient training.	F	Maintain existing controls.	1	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
23	Fire fighting equipment available, Regular inspection of equipment, Training of staff	P	Maintain existing controls	2	1	IV	Inspection register	Employer	Environmental Regulations for Workplaces 9 and SANS 10400						
24	Keep safe working space around the machine, Supervision,proper risk assessment and Training of staff	P	Maintain existing controls	2	1	IV	Inspection register	Employer	Construction Regulations 21						
25	Supervision, Training, Hearing protection devices, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Noise Induced Hearing Loss Regulations 6(1) and 7(1)						
26	Excavate to natural angle of repose - Excavation shored/braced, Sides of excavation fenced off, Supervision.	P	Staff to be trained on excavation work, Appointment of Excavation Supervisors	2	1	IV	Supervision	Employer	Construction Regulations 11						
27	Keep safe working space around the machine, Supervision, Training of staff	P	Maintain existing controls	2	1	IV	Supervision	Employer	Section 8						
28	Way leave	P	Maintain existing controls	2	1	IV	Supervision	Employer	Construction Regulations 11						
29	Regular breaks	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
30	Safaty Talks, Correct PPE for the job, use of correct tools for the job, tools to be in good condition, pre-job brief,.Use "hand free" approach Regular inspection of hand tools, PPE	P	Maintain existing controls	2	1	IV	Inspection register	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
31	Excavate to natural angle of repose - Excavation shored/braced, Sides of excavation fenced off, Training on excavation work, Supervision.	p	Maintain existing controls, Medical surveillances, Appoint Excavation Supervisor	2	1	IV	Register, Observations	Employer	Construction Regulations 8 (2)						
32	Excavate to natural angle of repose - Excavation shored/braced, Sides of excavation fenced off, Training on excavation work, Supervision.	P	Excavation Supervisor, Assistant Supervisor	2	1	IV	Inspection, Supervision	Employer	Construction Regulations 11						
33	Way leave	P	Maintain existing controls	2	1	IV	Supervision	Employer	Construction Regulations 11						
34	Rotation of jackhammer operator, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	IV	Inspections, Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
35	Eye protection,Q25 Dust masks	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
36	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision	Employer	Hazardous Chemical Substance Regulations 7						
36	Fire fighting equipment available - Regular inspection of equipment, Training on the use of the equipment	P	Maintain existing controls	2	1	IV	Inspection register	Employer	Environmental Regulations for Workplaces 9 and SANS 10400						
37	Regular breaks	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						

II	II	I	I	I

Yes	Safety	1	1	F	I
No	Health	2	2	P	II
		3	3	I	III
		4	4	Ti	IV

Consequences						
	6	II	II	I	I	I
	5	III	II	II	I	I
	4	IV	III	II	I	I
	2	IV	IV	III	II	II
	1	IV	IV	III	III	III
		#####	#####	#####	#####	#####
		Likelihood				

Yes	Safety	1	1	F	I
No	Health	2	2	P	II
		3	3	I	III
		4	4	Ti	IV
		5	5	N	
		6			

	38	Underground services	18	Exposed group/employees	Company Owner	Daily	Damage to services/ property - Electrocution	Safety	NO	No proper way leave, Using incorrect tools	Possible fatalities - Injury to staff	5	2	II	Way leave	P	Maintain existing controls	2	1	IV	Supervision	Employer	Construction Regulations 11						
	17	Noise	19	Exposed group/employees	Company Owner	Daily	Staff exposed to excessive noise	Health	NO	Operation of the machine, Not making use of PPE	NIHL	4	2	III	Supervision, Training, Hearing protection devices, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Noise Induced Hearing Loss Regulations 6(1) and 7(1)						
COMPRESSOR (diesel) - supply jackhammer with air	18	Hot compressor exhaust	20	Exposed group/employees	Company Owner	Daily	Burns injuries,	Safety	NO	Not	Lost time injury	4	2	IV	Proper personal protective equipment	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	19	Heavy lifting	21	Exposed group/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	No Regular breaks, Not assisting one another	Lost time injury	4	2	III	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	20	Diesel fumes	22	Exposed group/employees	Company Owner	Daily	Air pollution - Lung irritation	Health	NO	Making use of unserviced equipment	Lost time injury	4	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P	Maintain existing controls	2	1	IV	Inspections	Employer	Hazardous Chemical Substance Regulations 7						
			23	Exposed group/employees	Company Owner	Daily	Fire	Safety	NO	Faulty equipment, lack of propre maintenance	Damage to equipment and structures, injuries	4	2	III	Fire fighting equipment available - Regular inspection of equipment, Training on the use of the equipment	P	Maintain existing controls	2	1	IV	Inspections	Employer	Environmental Regulations for Workplaces 9 and SANS 10400						
	21	Explosion / or rupture of the compressor - Pipe bursting	24	Exposed group/employees	Company Owner	Daily	Possible property damage - Fatalities, Amputation, Fractures	Safety	NO	Faulty equipment, lack of proper maintenance	Possible fatalities - Injury to staff	5	1	III	Regular inspections and pressure testing of air receivers, Regular inspection of pipes	P	Maintain existing controls	2	1	IV	Inspections	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	22	Noise	25	Exposed group/employees	Company Owner	Daily	Staff exposed to excessive noise	health	NO	Operation of the machine	NIHL	4	2	III	Supervision, Training, Hearing protection devices, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Noise Induced Hearing Loss Regulations 6(1) and 7(1)						
Generators (petrol)- Providing portable power for drilling and lighting at night / day time	23	Heavy lifting	26	Exposed group/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	No Regular breaks, Not assisting one another	Injuries	4	2	III	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	24	Petrol fumes	27	Exposed group/employees	Company Owner	Daily	Air pollution - Lung irritation		NO	Making use of unserviced equipment	Injuries	2	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P	Maintain existing controls	2	1	IV	Inspections	Employer	Hazardous Chemical Substance Regulations 7						
				Exposed group/employees	Company Owner	Daily	Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, Lost time injury	4	2	III	Fire fighting equipment available - Regular inspection of equipment, Training on the use of the equipment	P	Maintain existing controls	2	1	IV	Inspections	Employer	Environmental Regulations for Workplaces 9 and SANS 10400						
	25	Noise	28	Exposed group/employees	Company Owner	Daily	Staff exposed to excessive noise		NO	Operation of the machine	NIHL	4	2	III	Supervision, Training, Hearing protection devices, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Noise Induced Hearing Loss Regulations 6(1) and 7(1)						
Compactors (diesel /petrol) - For compacting sand after laying cables/ planting poles	26	Vibration	29	Exposed group/employees	Company Owner	Daily	Hand body vibration	Safety	NO	Operation of the machine	Injuries	2	1	IV	Rotation of compactor operator, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	IV	Inspections, Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	27	Diesel/Petrol Fumes, Dust	30	Exposed group/employees	Company Owner	Daily	Air pollution - Lung irritation		NO	Making use of unserviced equipment	Lost time injury	2	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P	Maintain existing controls	2	1	IV	Inspections	Employer	Hazardous Chemical Substance Regulations 7						
			31	Exposed group/employees	Company Owner	Daily	Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, Lost time injury	4	2	III	Fire fighting equipment available - Regular inspection of equipment, Training on the use of the equipment	P	Maintain existing controls	2	1	IV	Inspections	Employer	ERW 9 and SANS 10400						
	28	Awkward posture	32	Exposed group/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort		NO	Operation of the machine	Lost time injury	4	2	IV	Regular breaks	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	29	Flying debris	33	Exposed group/employees	Company Owner	Daily	Lower Respiratory diseases - Eye injury	Safety	NO	Operation of the machine	Lost time injury	4	3	III	Eye protection, Dust masks	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	30	Heavy lifting	34	Exposed group/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	Not assisting one another	Lost time injury	4	2	III	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	31	Lifting heavy equipment	35	Exposed group/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	Not assisting one another	Lost time injury	4	4	I	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
Vehicle Mounted cranes (diesel) loading and off loading, equipment and planting of poles	32	Loading / off- loading of the equipment	36	Exposed group/employees	Company Owner	Daily	Equipment falling on staff, other equipment	Safety	NO	Not services cranes, Inadequate inspection of lifting equipment, Incorrect rigging	Possible property damage - Injury to staff	4	4	I	Keep safe working space around the machine, Supervision, Training of staff	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	33	Working from man cage (Bucket) / Working at a fall risk position	37	Exposed group/employees	Company Owner	Daily	Falling from heights	Safety	NO	No proper guard rails around working platforms, Not using Safety harness,	Serious injuries, fatalities,	5	4	I	Legal certificate, Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness,	P	Maintain existing controls	2	1	IV	Supervision, Observations	Employer	Construction Regulation 8: (Fall Protection). Working at Height Procedure 32-418.						
	34	Working from man cage (Bucket) / Falling objects	38	Exposed group/employees	Company Owner	Daily	Objects falling on staff, other equipment	Safety	NO	People standing underneath the bucket, Hand tools not secured,	Possible property damage - Injury to staff	5	4	I	Proper PPE, Keep working area underneath operator safe. Make sure safe working loads of tool and equipment (conductors, slings ext.). Visual inspections before use. Proper training, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision, Observations	Employer	Construction Regulation 8: (Fall Protection). Working at Height Procedure 32-418.						
	33	Working close to live electrical apparatus	39	Exposed group/employees	Company Owner	Daily	Burn wounds - Electrocution	Safety	NO	No training of operator, encroaching safety clearance	Serious injuries/fatalities	5	4	I	Proper PPE, Supervision, Proper training, authorisation for operator, relevant certificate for the aerial bucket, medical surveillances	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	34	Unauthorised personnel operating lifting equipment	40	Exposed group/employees	Company Owner	Daily	Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees	Safety	NO	No training, Unauthorised personel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage	5	4	I	Training/authorisation. correct lifting equipment. Supervision, Q52 Critical Task Procedure. Critical Task Training. Observations. pre-job brief. SHE talks. Inspection certificate	P	Maintain existing controls	2	1	IV	Supervision	Employer	Driven Machinery Regulation 18: (Lifting Machines and Lifting Tackles						
	35	Diesel fumes	41	Exposed group/employees	Company Owner	Daily	Air pollution - Lung irritation		NO	Operation of the machine	Lost time injury	4	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision	Employer	Hazardous Chemical Substance Regulations 7						
			42	Exposed group/employees	Company Owner	Daily	Fire	Safety	NO	No training of operator, encroaching safety clearance	Damage to equipment and structures, Lost time injury	4	2	III	Fire fighting equipment available, Regular inspection of equipment, Training of staff	P	Maintain existing controls	2	1	IV	Supervision	Employer	ERW 9 and SANS 10400						
	36	Loading and off loading, equipment	41	Exposed group/employees	Company Owner	Daily	Equipment falling on staff, other equipment	Safety	NO	Not services cranes, Inadequate inspection of lifting equipment, Incorrect rigging,	Possible property damage - Injury to staff	4	4	I	Keep safe working space around the machine, Supervision, Training of staff	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	37	Unauthorised personnel operating lifting equipment	38	Exposed group/employees	Company Owner	Daily	Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees	Safety	NO	Lifting machine not lock-out	Serious injuries/fatalities, property damage	5	4	I	Unauthorised use of lifting machines prohibited. Safety talks.	P	Maintain existing controls	2	1	IV	Supervision, Observations	Employer	Driven Machinery Regulation 18: (Lifting Machines and Lifting Tackles						
Aerial platforms (Cherry Picker) - Lifting people / working on Power lines and 11KV network	37	Working at heights	42	Exposed group/employees	Company Owner	Daily	Falling from heights	Safety	NO	No proper guard rails around working platforms, Not using Safety harness,	Serious injuries, fatalities,	5	4	I	Legal certificate, Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness,	P	Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	Construction Regulation 8: (Fall Protection). Working at Height Procedure 32-418.						
	38	Falling objects	43	Exposed group/employees	Company Owner	Daily	Objects falling on staff, other equipment	Safety	NO	People standing underneath the bucket, Hand tools not secured,	Possible property damage - Injury to staff	5	4	I	Proper PPE, Keep working area underneath operator safe. Make sure safe working loads of tool and equipment (conductors, slings ext.). Visual inspections before use. Proper training, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision	Employer	Construction Regulation 8: (Fall Protection). Working at Height Procedure 32-418.						
	39	Close proximity with live apparatus	44	Exposed group/employees	Company Owner	Daily	Staff exposed to live electrical equipment	Safety	NO	Encroaching within prescribed safety clearance,	Possible property damage, Serious injury, fatalities	5	4	I	Proper PPE, Supervision, Proper training, authorisation for operator, relevant certificate for the aerial bucket, medical surveillances	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	40	Noise	45	Exposed group/employees	Company Owner	Daily	Staff exposed to excessive noise	Health	NO	Operation of the machine, In adequate maintenance, not using PPE	NIHL	4	2	III	Supervision, Training, Hearing protection devices, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Noise Induced Hearing Loss Regulations 6(1) and 7(1)						
Chain Saw / pruners (petrol) - Bush clearing and cutting away branches.	41	Vibration	46	Exposed group/employees	Company Owner	Daily	Hand body vibration	Health	NO	Operation of the machine	Lost time injury	4	1	IV	Rotation of operator, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	42	Flying debris, Saw dust	47	Exposed group/employees	Company Owner	Daily	Lower Respiratory diseases - Eye injury	Safety	NO	Operation of the machine, Not using correct PPE,	Lost time injury	4	3	III	Special Safety boots, Face shileds, Ear protection,Eye protection, Dust masks, gloves	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	43	Petrol fumes	48	Exposed group/employees	Company Owner	Daily	Air pollution - Lung irritation	Health	NO	Making use of unserviced equipment, If the petrol mix is not correct	Respiratory discomfort or complications	2	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	44		49	Exposed group/employees	Company Owner	Daily	Fire	Safety	NO	No proper maintenance, Petrol leaks	Damage to equipment and structures, Lost time injury	4	2	III	Fire fighting equipment available, Regular inspection of equipment, Training of staff	P	Maintain existing controls	2	1	IV	Inspection	Employer	ERW 9 and SANS 10400						
	45	Awkward posture	50	Exposed group/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No Regular breaks, Incorrect posture	Lost time injury	4	2	IV	Regular breaks	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	46	Heavy lifting	51	Exposed group/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	No regular breaks, No clearing your work area	Lost time injury	4	2	III	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	47	Noise	52	Exposed group/employees	Company Owner	Daily	Staff exposed to excessive noise	Health	NO	Operation of the machine, maintanance of the machine, No supervision, No training,	NIHL	4	2	III	Supervision, Training, Hearing protection devices, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Noise Induced Hearing Loss Regulations 6(1) and 7(1)						

Brush cutters (petrol) -for pruning and bush cutting	48	Vibration	53	Exposed group/employees	Company Owner	Daily	Hand body vibration	Health	NO	Operation of the machine	Lost time injury	4	1	IV	Rotation of operator, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	49	Awkward posture	54	Exposed group/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regualr breaks	Lost time injury	2	2	IV	Regular breaks	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	50	Heavy lifting	55	Exposed group/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	No regular breaks, No clearing your work area	Lost time injury	4	2	III	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	51	Flying debris, Saw dust	56	Exposed group/employees	Company Owner	Daily	Lower Respiratory diseases - Eye injury		NO	Operation of the machine, not using PPE	Lost time injury	4	3	III	Eye protection, Dust masks	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	52	Petrol fumes	57	Exposed group/employees	Company Owner	Daily	Air pollution - Lung irritation	Health	NO	No proper maintenance, Petrol leaks	Lost time injury	4	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	53		58	Exposed group/employees	Company Owner	Daily	Fire	Safety	NO	No proper maintenance, Petrol leaks	Damage to equipment and structures, Lost time injury	4	2	III	Fire fighting equipment available, Regular inspection of equipment, Training of staff	P	Maintain existing controls	2	1	IV	Inspections	Employer	ERW 9 and SANS 10400						
	54	Noise	59	Exposed group/employees	Company Owner	Daily	Staff exposed to excessive noise	Health	NO	Lack of proper maintenance	NIHL	4	2	III	Supervision, Training, Hearing protection devices, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	NIHLR 6(1) and 7(1)						
Electrical/ Hydraulic and battery Drilling machine - drilling holes on wooden poles, steel and concrete walls	55	Vibration	60	Exposed group/employees	Company Owner	Daily	Hand body vibration	Health	NO	Operation of the machine	Lost time injury	4	1	IV	Rotation of operator, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	IV	Supervision, Medical Suivellance	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	56	awkward posture,	61	Exposed group/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury	4	2	IV	Regular breaks	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	57	Flying debris, Dust	62	Exposed group/employees	Company Owner	Daily	Lower Respiratory diseases - Eye injury	Safety	NO	Operation of the machine, not using PPE	Lost time injury	4	3	III	Eye protection, Dust masks	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	58	Heavy lifting	63	Exposed group/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	Not assisting one another	Lost time injury	4	2	III	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	59	Using defective electrical drilling machines	64	Exposed group/employees	Company Owner	Daily	Electrocution	Safety	NO	No supervision, Lack of maintenance, no propre training	Possible fatalities - Lost time injury	5	4	I	Routine maintenance of equipment	P	Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	60	Driving on uneven terrain	65	Exposed group/employees	Company Owner	Daily	Whole body vibration, vehicle accident,	Health	NO	Driving of vehicles	Possible fatalities - Lost time injury - Damage to vehicle	4	3	II	Valid drivers licence, Pre and post trip inspections, regular breaks, Life saving rules, Dangerous goods training, Defensive driving, PDP, Driver with a co driver	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
Driving of heavy vehicles (code 14/10/08) for transporting of construction, normal day to day material. Pulling of trailer for the excavator /4X 4 LDV - utility vehicle, transporting of people/ material and responding to faults.	61	Long hours driving	66	Exposed group/employees	Company Owner	Daily	Fatigue, vehicle accident	Safety	NO	No Regualar breaks, Maintenance of vehicle, Driving alone	Possible fatalities - Lost time injury - Damage to vehicle	5	3	II	Valid drivers licence, regular rest stops	P	Maintain existing controls	2	1	IV	Inspections	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	62	Diesel, Petrol and Oil spills	67	Exposed group/employees	Company Owner	Daily	Ground, air and water pollution - lung irritation	Health	NO	Lack of proper maintenance	Environmental damage, lost time injury	4	3	III	Pre trip inspections, Maintanace of vehicle,	P	Maintain existing controls	2	1	IV	Inspections	Employer	Hazardous Chemical Substance Regulations 7						
				Exposed group/employees	Company Owner	Daily	Fire	Safety	NO	Lack of proper maintenance, Pipe burst, Vehivle accidents	Damage to equipment and structures, Lost time injury	4	2	III	Fire fighting equipment available, Regular inspection of equipment, Training of staff	P	Maintain existing controls	2	1	IV	Inspections	Employer	ERW 9 and SANS 10400						
	63	Using Public Roads	68	Exposed group/employees	Company Owner	Daily	Property damage, Injury to staff	Safety	NO	Not adhering to traffic rules, inadequate driver training, lack of maintenance of vehicles, Not adhering to life saving rules	Possible fatalities - Lost time injury - Damage to vehicle/property	4	3	II	Valid drivers licence, Pre and post trip inspections, PDP, Life saving rules	P	Maintain existing controls	2	1	IV	Incident register/coida reports/ annexure 1 forms	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	64	Defective / broken hand tools	69	Exposed group/employees	Company Owner	Daily	Hand injuries, cuts and bruises , electrocution, fractures, Injuries, Fatalities	Safety	NO	No regular inspection of tools, Incorrect hand tools,	Lost time injuries	4	3	III	Medical surveillance, training, regular inspections, PPE	P	Maintain existing controls	2	1	IV	Inspections	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
Using of hand tools - day to day task e.g connect and disconnect customers etc.	65	Live electricity	70	Exposed group/employees	Company Owner	Daily	Electrocution	Safety	NO	Incorrect and handling of tools, Inproper storage of tools	Possible fatalities - Lost time injury	5	4	I	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P	Maintain existing controls	2	1	IV	Inspections	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	66	Working at heights	71	Exposed group/employees	Company Owner	Daily	Falling from heights	Safety	NO	Not using FAS, Not medically fit,	Serious injuries, fatalities,	5	4	I	Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	67	Tools falling from heights	72	Exposed group/employees	Company Owner	Daily	Objects falling on staff, other equipment	Safety	NO	Tools not secured	Possible property damage - Injury to staff	5	4	I	Proper PPE, Keep working area underneath operator safe. Proper training, medical surveillance.	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	68	Noise	73	Exposed group/employees	Company Owner	Daily	Staff exposed to excessive noise	Health	NO	Operation of the manchine, Incorrect / lack of PPE, No supervision, no training, incorrect use.	NIHL	4	2	III	Supervision, Training, Hearing protection devices, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Noise Induced Hearing Loss Regulations 6(1) and 7(1)						

Using of Angle grinders - Cutting of steel, stone and bricks	69	Vibration	74	Exposed group/employees	Company Owner	Daily	Hand body vibration	Health	NO	Operation of the machine, not properly maintained,	Lost time injury	4	1	IV	Rotation of operator, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	IV	Inspections	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	70	Flying debris, Grinding Dust	75	Exposed group/employees	Company Owner	Daily	Lower Respiratory diseases - Eye injury	Safety	NO	Making use of the machine, Not using PPE	Lost time injury	4	4	II	Eye protection, Dust masks	P	Maintain existing controls	2	1	IV	Supervision, Inspections	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	71	Awkward posture	76	Exposed group/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury	4	2	IV	Regular breaks	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	72	Heavy equipment	77	Exposed group/employees	Company Owner	Daily	Amputation, Fractures, Back, shoulder neck, feet injuries, Blisters.	Safety	NO	Not using correct PPE	Lost time injury	4	4	II	Leather Gloves, Overall,- Safety Boots, Keep working area safe, Proper handling technique and training,	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
Using of Big Bolt cutters- cutting of conductors/ steel bars.	73	Falling Objects	78	Exposed group/employees	Company Owner	Daily	Objects falling on staff, other equipment	Safety	NO	Not staying clear of person working overhead	Possible property damage - Injury to staff	5	4	I	Proper PPE, Keep working area underneath operator safe. Proper training, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	74	Cutting lose ends of conductor	79	Exposed group/employees	Company Owner	Daily	Head, hand, arm and eye injuries	Safety	NO	Not staying clear of person working overhead	Injury to staff	3	4	II	Training, correct PPE, Control cable ends	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	75	Falling of tools from elevated positions	80	Exposed group/employees	Company Owner	Daily	Head injuries, Fractures, Hand, arm and eye injuries, property damage	Safety	NO	Tools not secured	Possible property damage - Injury to staff	5	4	I	Proper PPE, Keep working area underneath operator safe. Proper training, medical surveillance.	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
Use of Lifting gear / Kitos/ Turfor	76	Heavy equipment.	81	Exposed group/employees	Company Owner	Daily	Amputation, Fractures, Back, shoulder neck, feet injuries, Blisters.	Safety	NO	Lack of maintenance	Lost time injury	3	4	II	Leather Gloves, Overall, Safety Boots, Keep working area safe, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	77	Equipment under tension/strain	82	Exposed group/employees	Company Owner	Daily	Equipment failure	Safety	NO	Lack of maintemnance, Not conducting routine inspections, No test certificates, Not using correct tools for the task at hand	Fatalities, Head injuries, Fractures, Hand, arm and eye injuries, Equipment falling on people in working area	3	5	II	Proper PPE, Keep safe working space around the operator. Keep working area underneath operator safe. Make sure safe working loads of tool and equipment (conductors, slings ext.). Regular testing of equipment. Visual inspections before use. Proper training, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	78	Defective lifting gears.	83	Exposed group/employees	Company Owner	Daily	Equipment failure	Safety	NO	Lack of maintemnance, Not conducting routine inspections, No test certificates, Not using correct tools for the task at hand	Fatalities, Head injuries, Fractures, Hand, arm and eye injuries, Equipment falling on people in working area	3	5	II	Proper PPE, Keep safe working space around the operator. Keep working area underneath operator safe. Make sure safe working loads of tool and equipment (conductors, slings ext.). Regular testing of equipment. Visual inspections before use. Proper training, medical surveillance.	P	Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	79	Breaking of conductors ,slings and poles under tension.	84	Exposed group/employees	Company Owner	Daily	Possible property damage. Injury to staff	Safety	NO	Using incorrect equipment, Inadequate training, Inadequate supervision	Fatalities, Head injuries, Fractures, Hand, arm and eye injuries, Equipment falling on people in working area	3	5	II	Proper PPE, Keep safe working space around the operator. Keep working area underneath operator safe. Make sure safe working loads of tool and equipment (conductors, slings ext.). Regular testing of equipment. Visual inspections before use. Proper training, medical surveillance		Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	82	Ultra violet ARC	87	Exposed group/employees	Company Owner	Daily	Arc eyes. Inhaling off hazardous fumes	Health	NO	Lack of proper ventilation, not using PPE, Inadequate training, Lack of supervision	Lost time injury	3	4	II	Wear welding gloves. Wear welding helmet. Medical surveillances on people that uses it regularly. Only authorised people. Training. Working area to shielded off		Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	General Safety Regulation 9						
Welding using welding machines	83	Welding creating heat	88	Exposed group/employees	Company Owner	Daily	Burn wounds		NO	Conducting welding activites	Lost time injury	3	4	II	Wear welding gloves. Wear welding helmet. Wear welding apron. Only authorised people. Training. Working area to shielded off	P	Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	General Safety Regulation 9						
	84	Defective welding machines	89	Exposed group/employees	Company Owner	Daily	Electrocution	Safety	NO	Lack of proper mainenance	Possible fatalities - Lost time injury	3	4	II	Regular inspections of welding machine, cabling and clamps	P	Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	General Safety Regulation 9						
	85	Welding fumes	90	Exposed group/employees	Company Owner	Daily	Lower Respiratory diseases.		NO	Lack of proper ventilation, not using PPE, Inadequate training, Lack of supervision, lack of training	Lost time injury	2	3	III	Work in ventilated area. Medical surveillances on people that uses it regularly. Only authorised operators. Training.	P	Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	General Safety Regulation 9						
	86	Damaged power leads and incorrect earthing	91	Exposed group/employees	Company Owner	Daily	Electrical shock . Burning from hot metals and tools.	Safety	NO	Lack of proper maintenance	Lost time injury	2	4	III	Regular inspections of welding machine, cabling and clamps	P	Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	General Safety Regulation 9						
	93	Arc flash	98	Exposed group/employees	Company Owner	Daily	Burn wounds	Safety	NO	No training of operator, encroaching safety clearance	Possible fatalities - Injury to staff	4	4	I	Supervision - Proper PPE, Proper training and authorisation	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
High voltage operating (11Kv - 132 Kv) 1. linking / safety testing and earthing in substations and on lines. 2. Opening and closing of the breakers. 3. Opening and closing of line links. 4. Inspection of the HV yard. 5. Maintenance and fault repairs of electrical equipment 6. Loading and off loading equipment or material (ladders, tool boxes, generators etc) 7. Climbing of ladders and structures	94		99	Exposed group/employees	Company Owner	Daily	Fire	Safety	NO	Lack of proper maintenance, Pipe burst, Vehivle accidents	Damage to equipment and structures, Lost time injury	4	2	III	Fire fighting equipment available - Regular inspection of equipment - Training of staff	P	Maintain existing controls	2	1	IV		Employer	ERW 9 and SANS 10400						
	95	Walking on uneven terrain	100	Exposed group/employees	Company Owner	Daily	Staff falling/tripping	Safety	NO	Environment	Lost time injury	4	3	II	Obey barricades & sign posting, PPE to be worn, be aware of where you are stepping, clean up spills immediately, Safety talks,	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	96	Awkward positions	101	Exposed group/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regualr breaks	Lost time injury	3	4	II	Regular breaks	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	97	Falling equipment	102	Exposed group/employees	Company Owner	Daily	Objects falling on staff, other equipment	Safety	NO	Not staying clear of person working overhead	Possible property damage - Injury to staff	5	4	I	Proper PPE, Keep working area underneath operator safe. Proper training, medical surveillance.	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	98	Working at heights	103	Exposed group/employees	Company Owner	Daily	Falling from heights	Safety	NO	No proper guard rails around working platforms, Not using Safety harness,	Serious injuries, fatalities,	5	4	I	Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	99	Loading / off- loading of the equipment	104	Exposed group/employees	Company Owner	Daily	Equipment falling on staff, other equipment	Safety	NO	Not services cranes, Inadequate inspection of lifting equipment, Incorrect rigging	Possible property damage, Injury to staff	4	4	I	Keep safe working space around the machine, Supervision, Training of staff	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	100	Climbing of ladders and structures	105	Exposed group/employees	Company Owner	Daily	Staff falling from ladders or structures	Safety	NO	Working at heights, steps of ladder	Serious injuries, fatalities	3	5	II	Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P	Maintain existing controls	2	1	IV		Employer	General Safety Regulation 13A						
	101	Electrical contact	106	Exposed group/employees	Company Owner	Daily	Electrocution	Safety	NO	MAKING CONTACT WITH LIVE EQUIPMENT	Possible fatalities, Lost time injury	5	4	I	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	102	Electrical equipment failure	107	Exposed group/employees	Company Owner	Daily	Electrocution. Burn wounds. Fire.	Safety	NO	Lack of maintenance	Possible fatalities, Lost time injury	4	5	II	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	103	Working in hot weather conditions	108	Exposed group/employees	Company Owner	Daily	Staff becoming ill, heat stroke	Health	NO	Sun rays	Lost time injury	4	3	III	Regular breaks, Availability of adequate water	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	104	Working in cold weather conditions	109	Exposed group/employees	Company Owner	Daily	Staff becoming ill	Health	NO	Cold, Wet weather conditions	Lost time	4	3	III	Regular breaks, PPE	P	Maintain existing controls	2	1	IV		Employer	OCcupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	105	Heavy equipment.	110	Exposed group/employees	Company Owner	Daily	Amputation, Fractures, Back, shoulder neck, feet injuries, Blisters.	Safety	NO	No regular breaks, No clearing your work area .Operation of the machine, not using PPE	Lost time injury	4	4	II	Leather Gloves, Dusk Mask, Overall, Safety Boots, Keep working area safe, Proper lifting technique and training, medical surveillances.	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	106	Unauthorised personnel operating high voltage equipment	111	Exposed group/employees	Company Owner	Daily	Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees	Safety	NO	No training, Unauthorised personel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage	5	4	I	Supervision, Disciplinary action, Proper training and authorisation	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	107	Oil spill	112	Exposed group/employees	Company Owner	Daily	Ground, air and water pollution	Health	NO	Lack of maintenace, Faulty equipment	Environmental damage	3	4	II	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	108	Unauthorised / untrained personnel operating high voltage equipment	113	Exposed group/employees	Company Owner	Daily	Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees	Safety	NO	No training, Unauthorised personel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage	5	4	I	Supervision, Disciplinary action, Proper training and authorisation	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	109	Loading / off- loading of the equipment	114	Exposed group/employees	Company Owner	Daily	Equipment falling on staff, other equipment	Safety	NO	Not services cranes, Inadequate inspection of lifting equipment, Incorrect rigging	Possible property damage - Injury to staff	4	4	I	Keep safe working space around the machine, Supervision, Training of staff	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	110	Noise from transformer	115	Exposed group/employees	Company Owner	Daily	Staff exposed to excessive noise	Health	NO	Not making use of PPE	NIHL	4	4	II	Supervision, Training, Hearing protection devices medical surveillance	P	Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	111	Arc flash	116	Exposed group/employees	Company Owner	Daily	Burn wounds		NO	No training	Possible fatalities - Injury to staff	4	4	I	Supervision - Proper PPE, Proper training and authorisation	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	112		117	Exposed group/employees	Company Owner	Daily	Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, Lost time injury	4	2	III	Fire fighting equipment available - Regular inspection of equipment - Training of staff	P	Maintain existing controls	2	1	IV		Employer	ERW 9 and SANS 10400						

Low voltage Operating (Under 1000volts) 1, safety testing and earthing in substations and on lines. 2, Opening and closing of Circuit breakers. 3, Inspection of the LV equipment. 4, Maintenance and fault repairs of electrical equipment 5, Loading and off loading equipment or material (ladders, tool boxes, generators etc) 6, Climbing of ladders and structures ,	113	Awkward positions	118	Exposed group/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regualr breaks	Lost time injury	4	4	II	Regular breaks	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	114	Working at heights	119	Exposed group/employees	Company Owner	Daily	Falling from heights	Safety	NO	No proper guard rails around working platforms, Not using Safety harness,	Serious injuries, fatalities,	5	4	I	Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	115	Working in hot weather conditions	120	Exposed group/employees	Company Owner	Daily	Staff becoming ill, heat stroke	Health	NO	Sun rays	Lost time injury	4	3	III	Regular breaks, Availability of adequate water	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	116	Working in cold weather conditions	121	Exposed group/employees	Company Owner	Daily	Staff becoming ill	Health	NO	Cold, Wet weather conditions	Lost time	4	3	III	Regular breaks, PPE	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	117	Faulty electrical equipment	122	Exposed group/employees	Company Owner	Daily	Electrocution	Safety	NO	Lack of maintenace	Possible fatalities - Lost time injury	5	4	I	Regular service, maintenance and inspection of equipment	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	118	Falling equipment	123	Exposed group/employees	Company Owner	Daily	Objects falling on staff, other equipment	Safety	NO	Not staying clear of person working overhead	Possible property damage - Injury to staff	5	4	I	Proper PPE, Keep working area underneath operator safe. Proper training, medical surveillance	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	119	Heavy lifting	124	Exposed group/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Health	NO	No Regular breaks, Not assisting one another	Lost time injury	4	5	I	Regular breaks - Safety shoes	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	120	Electrical equipment failure	125	Exposed group/employees	Company Owner	Daily	Electrocution. Burn wounds. Fire.	Safety	NO	Lack of maintenance	Possible fatalities, Lost time injury	4	5	II	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	121	Hydraulic oil and diesel spills	126	Exposed group/employees	Company Owner	Daily	Ground, air and water pollution - lung irritation	Health	NO	Lack of maintenace, faulty equipment	Environmental damage, lost time injury	4	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P	Maintain existing controls	2	1	IV		Employer	Hazardous Chemical Substance Regulations 7
Live work Medium Voltage (11Kv - 33Kv) 1, Inspection of the live electrical equipment . 2, Maintenance and fault repairs of live electrical equipment 3, Loading and off loading equipment or material (ladders, tool boxes, generators etc) 4, Climbing of ladders and structures , 5, Working from the live line aerial device.			127	Exposed group/employees	Company Owner	Daily	Fire	Safety	NO	Lack of maintenace, faulty equipment	Damage to equipment and structures, Lost time injury	4	2	III	Fire fighting equipment available - Regular inspection of equipment - Training of staff	P	Maintain existing controls	2	1	IV		Employer	ERW 9 and SANS 10400
	122	Unauthorised / untrained personnel operating high voltage equipment	128	Exposed group/employees	Company Owner	Daily	Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees	Safety	NO	No training, Unauthorised personel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage	5	4	I	Supervision, Disciplinary action, Proper training and authorisation	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	123	Noise from the truck	129	Exposed group/employees	Company Owner	Daily	Staff exposed to excessive noise	Health	NO	Operation of the truck, lack of maintanance of the truck	NIHL	4	2	III	Supervision, Training, Hearing protection devices medical surveillance	P	Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	Noise Induced Hearing Loss Regulations 6(1) and 7(1)
	124	Extreme hot conditions.	130	Exposed group/employees	Company Owner	Daily	Staff becoming ill, heat stroke	Health	NO	Sun rays	Lost time injury	4	3	III	Regular breaks, Availability of adequate water	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	125	Live electricity	131	Exposed group/employees	Company Owner	Daily	Electrocution	Safety	NO	Incorrect and handling of tools, Inproper storage of tools	Possible fatalities - Lost time injury	5	4	I	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	126	Diesel fumes and dust	132	Exposed group/employees	Company Owner	Daily	Air pollution - Lung irritation	Health	NO	Operation of the machine, Not making use of PPE	Lost time injury	4	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P	Maintain existing controls	2	1	IV		Employer	Hazardous Chemical Substance Regulations 7
	127		133	Exposed group/employees	Company Owner	Daily	Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, Lost time injury	4	2	III	Fire fighting equipment available - Regular inspection of equipment	P	Maintain existing controls	2	1	IV		Employer	ERW 9 and SANS 10400
	128	Loading / off- loading of the equipment	134	Exposed group/employees	Company Owner	Daily	Equipment falling on staff, other equipment	Safety	NO	Not services cranes, Inadequate inspection of lifting equipment, Incorrect rigging	Possible property damage - Injury to staff	4	4	I	Keep safe working space around the machine, Supervision, Training of staff	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	129	Electrical equipment failure	135	Exposed group/employees	Company Owner	Daily	Electrocution. Burn wounds. Fire.	Safety	NO	Lack of maintenance	Possible fatalities, Lost time injury	5	4	I	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	130	Electrical contact	136	Exposed group/employees	Company Owner	Daily	Electrocution	Safety	NO	MAKING CONTACT WITH LIVE EQUIPMENT	Possible fatalities - Lost time injury	5	4	I	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	131	Walking on uneven terrain	137	Exposed group/employees	Company Owner	Daily	Staff falling/tripping	Safety	NO	Environment	Lost time injury	4	3	II	Obey barricades & sign posting, PPE to be worn, be aware of where you are stepping, clean up spills immediately, Safety talks,	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	132	Working at heights	138	Exposed group/employees	Company Owner	Daily	Falling from heights	Safety	NO	No proper guard rails around working platforms, Not using Safety harness,	Serious injuries, fatalities,	5	4	I	Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	133	Faulty electrical equipment	139	Exposed group/employees	Company Owner	Daily	Electrocution	Safety	NO	Lack of maintenace	Possible fatalities - Lost time injury	5	4	I	Regular service, maintenance and inspection of equipment	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	134	Awkward positions	140	Exposed group/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regualr breaks	Lost time injury	4	4	II	Regular breaks	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	135	Falling equipment.	141	Exposed group/employees	Company Owner	Daily	Injury to personnel and property damage	Safety	NO	Not staying clear of person working overhead	Inj	5	4	I		P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	136	Arc flash	142	Exposed group/employees	Company Owner	Daily	Burn wounds	Safety	NO	No training	Possible fatalities - Injury to staff	4	4	I		P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	137	Unauthorised personnel operating live work on high voltage equipment	143	Exposed group/employees	Company Owner	Daily	Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees	Safety	NO	No training, Unauthorised personel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage	5	4	I	Supervision, Disciplinary action, Proper training and authorisation	P	Maintain existing controls	2	1	IV		Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
Live work Low Voltage (Under 1000 Volts) 1, Replace faulty pre paid meters - live. 2, Connecting new customer to existing live lines. 3, Making and breaking live connections.	138	Unauthorised / untrained personnel operating high voltage equipment	144	Exposed group/employees Exposed group/employees Exposed group/employees	Company Owner Company Owner Company Owner	Daily Daily Daily	Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees		NO	No training, Unauthorised personel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage	3	5	II	Supervision, Disciplinary action, Proper training and authorisation	P	Maintain existing controls	2	1	IV		Employer Employer Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)
	139	Noise from the truck	145	Exposed group/employees	Company Owner	Daily	Staff exposed to excessive noise	Health	NO	Operation of the truck, lack of maintanance of the truck	NIHL	4	2	III	Supervision, Training, Hearing protection devices medical surveillance	P	Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer	
	140	Extreme hot conditions	146	Exposed group/employees	Company Owner	Daily	Staff becoming ill, heat stroke	Health	NO	Sun rays	Lost time injury	4	3	III	Regular breaks, Availability of adequate water	P	Maintain existing controls	2	1	IV		Employer	
	141	Heavy lifting,	147	Exposed group/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Health	NO	No regular breaks, No clearing your work area	Lost time injury	4	4	II	Regular breaks, Safety shoes	P	Maintain existing controls	2	1	IV		Employer	
	142	Electrical contact	148	Exposed group/employees	Company Owner	Daily	Electrocution	Safety	NO	MAKING CONTACT WITH LIVE EQUIPMENT	Possible fatalities - Lost time injury	5	4	I	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P	Maintain existing controls	2	1	IV		Employer	
	143	Electrical equipment failure	149	Exposed group/employees	Company Owner	Daily	Electrocution. Burn wounds. Fire.	Safety	NO	Lack of maintenance	Possible fatalities, Lost time injury	4	5	II	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorisation. Mental alertness and physical ability.	P	Maintain existing controls	2	1	IV		Employer	
	144	Walking on uneven terrain	150	Exposed group/employees	Company Owner	Daily	Staff falling/tripping	safety	NO	Environment	Lost time injury	4	3	II	Obey barricades & sign posting, PPE to be worn, be aware of where you are stepping, clean up spills immediately, Safety talks,	P	Maintain existing controls	2	1	IV		Employer	
	145	Awkward positions	151	Exposed group/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regualr breaks	Lost time injury	4	4	II	Regular breaks	P	Maintain existing controls	2	1	IV		Employer	
	146	Falling equipment	152	Exposed group/employees	Company Owner	Daily	Objects falling on staff, other equipment	Safety	NO	Not staying clear of person working overhead	Possible property damage - Injury to staff	5	4	I	Proper PPE, Keep working area underneath operator safe. Proper training, medical surveillance	P	Maintain existing controls	2	1	IV		Employer	
	147	Faulty electrical equipment	153	Exposed group/employees	Company Owner	Daily	Electrocution	Safety	NO	Lack of maintenace	Possible fatalities - Lost time injury	5	4	I	Regular service, maintenance and inspection of equipment	P	Maintain existing controls	2	1	IV		Employer	Electrical Machinery Regulation 8: (Portable Electric Tools).
	148	Working at heights	154	Exposed group/employees	Company Owner	Daily	Falling from heights	Safety	NO	No proper guard rails around working platforms, Not using Safety harness,	Serious injuries, fatalities,	5	4	I	Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P	Maintain existing controls	2	1	IV		Employer	Construction Regulation 8: (Fall Protection). Working at Height Procedure 32-418.
	149		155	Exposed group/employees	Company Owner	Daily	Air pollution - Lung irritation	Health	NO	Operation of the machine, Not making use of PPE	Lost time injury	4	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P	Maintain existing controls	2	1	IV		Employer	

	150	Diesel fumes and dust	156	Exposed group/employees	Company Owner	Daily	Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, Lost time injury	4	2	III	Fire fighting equipment available - Regular inspection of equipment	P	Maintain existing controls	2	1	IV		Employer							
	151	Unauthorised personnel operating live work on high voltage equipment	157	Exposed group/employees	Company Owner	Daily	Property/lifting equipment damage, Serious injuries/fatalities to by bystanders/employees	Safety	NO	No training, Unauthorised personel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage	5	4	I	Supervision, Disciplinary action, Proper training and authorisation	P	Maintain existing controls	2	1	IV		Employer							
	153	Awkward position	158	Exposed group/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regualr breaks	Lost time injury	3	4	II	Regular breaks	P	Maintain existing controls	2	1	IV		Employer							
Planting of poles by hand	154	Underground electrical cables and other underground services	159	Exposed group/employees	Company Owner	Daily	Damage to services/ property - Electrocution	Safety	NO		Possible fatalities - Injury to staff	3	4	II	Way leave	P	Maintain existing controls	2	1	IV		Employer							
	155	Lifting heavy poles	160	Exposed group/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Health	NO	Not assisting one another	Lost time injury	4	2	III	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	IV		Employer							
	156	Dust	161	Exposed group/employees	Company Owner	Daily	Air pollution - Lung irritation	Health	NO	Impact of poles on the ground	Lost time injury	2	3	III	Dust mask, Proper PPE, medical surveillance	P	Maintain existing controls	2	1	IV		Employer							

Planting of poles using cranes	157	Noise	162	Exposed group/employees	Company Owner	Daily	Staff exposed to excessive noise	Health	NO	Truck iddling	NIHL	4	2	III	Supervision, Training, Hearing protection devices medical surveillance	P	Maintain existing controls	2	1	IV	Supervision/ Medical Surveillance Measurements	Employer							
	158	Diesel fumes and dust	163	Exposed group/employees	Company Owner	Daily	Air pollution - Lung irritation	Health	NO	Operation of the machine, Not making use of PPE	Lost time injury	4	3	III	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P	Maintain existing controls	2	1	IV		Employer							
				Exposed group/employees	Company Owner	Daily	Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, Lost time injury	4	2	III	Fire fighting equipment available - Regular inspection of equipment	P	Maintain existing controls	2	1	IV		Employer							
	159	Awkward position	164	Exposed group/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regualr breaks	Lost time injury	4	4	II	Regular breaks	P	Maintain existing controls	2	1	IV		Employer							
	160	Defective / broken hand tools	165	Exposed group/employees	Company Owner	Daily	Hand/foot injuries, cuts and bruises	safety	NO	No regular inspection of tools, Incorrect hand tools,	Lost time injury	4	3	III	Regular inspections of hand tools - PPE	P	Maintain existing controls	2	1	IV		Employer							
Falling of heavy pole	161	Awkward position	166	Exposed group/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury	4	5	II	Regular breaks	P	Maintain existing controls	2	1	IV		Employer							
	162	Dust	167	Exposed group/employees	Company Owner	Daily	Air pollution - Lung irritation	Health	NO	Impact of poles on the ground	Lost time injury	4	3	III	Dust mask - Proper PPE - medical surveillance	P	Maintain existing controls	2	1	IV		Employer							
	163	Heavy lifting	168	Exposed group/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Health	NO	No regular breaks, No clearing your work area	Lost time injury	4	5	II	Regular breaks - Safety shoes	P	Maintain existing controls	2	1	IV		Employer							
Handling; Climbing and working on ladders	164	Awkward position	169	Exposed group/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regualr breaks	Lost time injury	4	4	II	Regular breaks	P	Maintain existing controls	2	1	IV		Employer							
	165	Working at height	170	Exposed group/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Health	NO	No proper guard rails around working platforms, Not using Safety harness,	Lost time injury	4	4	II	Regular breaks - Safety shoes	P	Maintain existing controls	2	1	IV		Employer	Construction Regulation 8: (Fall Protection Plan). Working at Height Procedure 32-418.						
	166	Fall from height	171	Exposed group/employees	Company Owner	Daily	Fractures, Back, shoulder neck, feet injuries,	Health	NO		Lost time injury	4	4	II	Leather Gloves - Dusk Mask - Overall - Safety Boots - Keep working area safe - Proper lifting technique and training - medical surveillances.	P	Maintain existing controls	2	1	IV		Employer							
	167	Awkward position	172	Exposed group/employees	Company Owner	Daily	Falling objects or personnel falling off scaffold	Safety	NO	No regualr breaks	Serious injuries, fatalities,	5	4	I	Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P	Maintain existing controls	2	1	IV		Employer							
Erecting and working on scaffolds				Exposed group/employees	Company Owner	Daily																Employer	Construction Regulation 8: (Fall Protection Plan). Working at Height Procedure 32-418.						
		Working at height	173	Exposed group/employees	Company Owner	Daily	Wet or slippery scaffold. Falling, slipping and tripping on or from the scaffold	Safety	NO	No proper guard rails around working platforms, Not using Safety harness,	injuries and possible fatalities	4	4	II	Regular breaks - Safety shoes	P	Maintain existing controls	2	1	IV		Employer							
		Heavy lifting	174	Exposed group/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort		NO	No regular breaks, No clearing your work area	injuries and possible fatalities	4	2	III	Regular breaks	P	Maintain existing controls	2	1	IV		Employer							
	168	Insects	175	Exposed group/employees	Company Owner	Daily	Insects bites	Health	NO	Insects in area	Experience burning, pain, itching, rediness, headache, rash, nausea, vomiting	3	3	II	OPERATIONAL CONTROL: Individuals to be aware of their status regarding allergies. Seek immediate emergency care for treatment. Treatment may include: Wash the area well with soap and water. Apply a cold or ice pack wrapped in a cloth, or a cold, wet washcloth to the site. Protect against infection. Give acetaminophen for pain. Elevate the site if the bite occured on an arm or leg (to help prevent swelling). PROGRAMME: SHE talks, OE, medical surveillance and situational awereness.	P	Maintain existing controls	2	1	IV		Employer	OHSACT 8(1) Employer shall provide and maintain, as far as reasonably practicable, a working environment that is safe and without risk to the health of his employees.						
Working in the field	169		176	Exposed group/employees	Company Owner	Daily	Bee Stings	Health	NO	Bee's in the area	Allergic reactions, swelling,itching, sweating, dizziness, fainting and possible fatality.	3	3	II	Safety talks, Risk assessment, Situational awareness, Individuals to be aware of their status. Share status to their collegues, Medical siuvellannce	P	Maintain existing controls	2	1	IV		Employer	OHSACT 8(1) Employer shall provide and maintain, as far as reasonably practicable, a working environment that is safe and without risk to the health of his employees.						
	170	Bit by Snakes/dogs	177	Exposed group/employees	Company Owner	Daily	Snake bites	Safety	NO	Snakes/dogs in the area	Shock, fever, fainting, rapid pulse and breathing difficulties and worse case fatality.	3	3	II	Call for emergency assistance immediately. While waiting for emergency assistance: Wash the bite with soap and water. Immobilize the bitten area and keep it lower than the heart. Cover the area with a clean, cool compress or a moist dressing to minimize swelling and discomfort. Monitor breathing and heart rate. Remove all rings, watches, and constrictive clothing, in case of swelling. Note the time of the bite so that it can be reported to an emergency room physician if needed. Do not apply a tourniquet. Leave snakes alone. Always be aware of your surroundings. Stay out of tall grass unless you wear thick leather boots.Keep hands and feet out of areas you cannot see. SHE talks. It is very important to try and note what the snake looked like (colour, size etc).... to assist Medical Services or treating physician to establish what anti-venom to administer.	P	Maintain existing controls	2	1	IV		Employer	OHSACT 8(1) Employer shall provide and maintain, as far as reasonably practicable, a working environment that is safe and without risk to the health of his employees.						
	171	Wet or slippery or uneven surfaces	178	Exposed group/employees	Company Owner	Daily	Slipping on wet floors or uneven surfaces	Safety	NO	Weather conditions	Injury	4	3	II	Obey barricades & sign posting, PPE to be worn, be aware of where you are stepping, clean up spills immediately, Safety talks,		Maintain existing controls	2	1	IV		Employer							
	193	Uncontrolled usage	201	Exposed group/employees	Company Owner	Daily	Injuries - Cuts, bruises & wounds	Safety	NO	Failure to correctly operate, inspections and not wearing correct PPE	LTI or Medical	4	2	III	Use equipment as per safe working instructions, Wear correct PPE	F	Maintain existing controls, On Job Observations	1	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
USING PORTABLE ELECTRICAL TOOLS	194	Damaged cords & equipment	202	Exposed group/employees	Company Owner	Daily	Electrical shocks	Safety	NO	No proper maintenance & inspections	Fatality, LTI or Medical	5	3	II	Periodical Inspections & Maintenance	F	Maintain existing controls	1	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	195	Using non-calibrated tools	203	Exposed group/employees	Company Owner	Daily	Damaging Equipment, Injuries	Safety	NO	Not calibrating equipmenmt on time as per schedule or due date		5	3	II	Periodical Inspections & Maintenance	F	Maintain existing controls	1	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	196	Rotating and moving Machinary	204	Exposed group/employees	Company Owner	Daily	Damaging Equipment, Injuries	Safety	NO	Failure to correctly operate and not wearing correct PPE	LTI or Medical	4	3	II	Use equipment as per safe working instructions, Wear correct PPE	F	Maintain existing controls	1	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	8	Physical material handling		Exposed group/employees	Company Owner	Daily	Equipment falling on staff, other equipment	H&S	NO	Weight and awkward material to handle	Possible property damage, Injury to staff	4	3	II	Keep safe working space around the machine, Supervision, Training of staff	P	Maintain existing controls	2	1	IV	Capturing and monitoring incidents and reported near misses	Employer	OHSACT 8(1) Employer shall provide and maintain, as far as reasonably practicable, a working environment that is safe and without risk to the health of his employees.						
Stringing and Tensioning of conductors	9	Pinching of fingers between Trestle and conductor drun		Exposed group/employees	Company Owner	Daily	Hand and arm injuries	Health	NO	Poor engineering /design	Strains / sprains/leg/ back injuries	4	3	II	Redesign the brake mechanism on the conductor drum and Trestle.	P	Maintain existing controls	2	2	IV	Capturing and monitoring incidents and reported near misses	Employer	OHSACT 8(1) Employer shall provide and maintain, as far as reasonably practicable, a working environment that is safe and without risk to the health of his employees.						
	10	Working at height		Exposed group/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Health	NO	Working from a fall risk position and in awkward positions.	Lost time injury/Fatality	5	3	II	Inspect FAS before use,hook up to suitable anchor point.	P	Maintain existing controls	2	1	IV	Planned task observations and Behavioral Observations	Employer	Construction Regulation 8: (Fall Protection Plan). Working at Height Procedure 32-418.						
	11	Fall from height		Exposed group/employees	Company Owner	Daily	Fractures, Back, shoulder neck, feet injuries,	Health	NO	Working from a fall risk position and in awkward positions.	Lost time injury/Fatality	5	3	II	Leather Gloves - Overall - Safety Boots -Hardhat - Proper training - medical surveillances.	P	Maintain existing controls	2	1	IV	Planned task observations and Behavioral Observations	Employer	Construction Regulation 8: (Fall Protection Plan). Working at Height Procedure 32-418.						
	12	Walking on uneven terrain		Exposed group/employees	Company Owner	Daily	Staff falling/tripping	Health	NO	Environment	Lost time injury	4	3	II	PPE to be worn, be aware of where you are stepping, Safety talks,	P	Maintain existing controls	2	1	IV	Capturing and monitoring incidents and reported near misses	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	13	Equipment under tension/strain		Exposed group/employees	Company Owner	Daily	Equipment failure	H&S	NO	Lack of maintemnance, Not conducting routine inspections, No test certificates, Not using correct tools for the task at hand	Fatalities, Head injuries, Fractures, Hand, arm and eye injuries, Equipment falling on people in working area	5	3	II	Proper PPE, Keep safe working space around the operator. Keep working area underneath operator safe. Make sure safe working loads of tool and equipment (conductors, slings ext.). Regular testing of equipment. Visual inspections before use. Proper training, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision, Inspection	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
	14	Repetative motion		Exposed group/employees	Company Owner	Daily	Arm and joint injuries	Safety	NO	Awkward position/Fatigue	Arm and joint injuries	3	3	II	Take regular breaks and share the workload.	P	Maintain existing controls	2	1	IV	Supervision	Employer	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)						
Workiing with climbing irons	15	Working at a fall risk position		Exposed group/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot, leg injuries	Safety	NO	Lack of Training,no Supervision, inadequate risk assessment	Lost time injury	4	4	I	Regular breaks - Safety shoes	P	Maintain existing controls, medical surveillances.	2	1	IV	Observations	Employer	Construction Regulation 8: (Fall Protection Plan). Working at Height Procedure 32-418.						