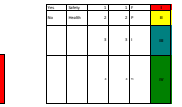
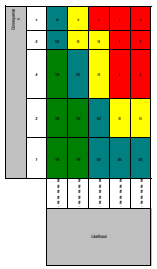
Occupational Health and Safety Baseline risk assessment

Project/Dept:		Scope of Risk Assessment:	GOU	PROJECTS	Next Review Date:	Unique Identifier:	030-T0006800
Date:	Prepared by:	Authorised by:	Name: Signed: Date:			Revision: 0 Revision date:	

Refer to Occupational Health and Safety Risk assessment procedure 32-526

1: List activity	2: Hazard identification				3: Risk identification				4: Assess & Analyse Risks					5: Evaluate Risk						6: Reduce & Eliminate Risk								
Line activity	Hazard ref	Hazard Identification	Risk ID	Exposed groups/employees	Risk Owner	Exposure patterns	Associated risk	Risk type	Safety or health	Condition(Normal or Abnormal)	Cause(s) of the risk	Adverse the Consequence?	What is the expected adverse impact on the objective?	Consequence	Likelihood	Risk Rating	Existing Controls	Additional Controls or Tools, Aimed at improving Existing Controls	Will the Controls be Effective?	Consequence	Likelihood	Risk Rating	Monitoring Mechanisms	Control Owner	Legal and Other Requirements	Initial Target date	Revised Target Date	Control Status	Independent Verification (i.e. Confirmation that the Objectives have been met)			Comments
Driving of vehicles	1	Driving on public roads	1	Exposed groups/employees	Company Owner	Daily	Involved in accident	Safety	Normal		Not adhering to the speed limit,Not adhering to safe driving rules, Not the road making use of cellphone, distractions, exposed to unsafe behaviours, Lack of concentration, Pedestrians and taxi drivers, Taxi and Taxis on the road, Civil unrest, Negligent driving		Fatalities,injuries, Property damage	4	3	II	Staff driving vehicles to have national driver's licence and Eskom driver's evaluation permit, vehicles in roadworthy condition, only transport authorised staff in vehicle, parring criteria,and obeying of all traffic laws, adherence to life saving rules and drive Cum Discuss to safety meetings																
	2	Overspeeding of vehicles		Exposed groups/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 drivers		Fatalities,injuries to driver and pedestrians or property damage	4	3	II	Drivers to adhere to company rules and toiricity drive at required speed limits on the premises,Driving assessment and Behaviour observations, valid drivers permit and eskom driving permit																
	3	Driving without safety belt buckled up		Exposed groups/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	Life Saving Rules.		Adherence to National Traffic Rules	4	3	II		Employee								
	4	Reverse Parking of vehicles at basement parking lot		Exposed groups/employees	Company Owner	Daily	Risk of vehicle collision, risk of vehicles colliding with parking lot support stands	Safety	Normal		Failure of drivers to observe before parking		property damage	1	3	III	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	Employee								
	5	Personnel movement and vehicle within the premises.		Exposed groups/employees	Company Owner	Daily	Personnel are at risk of being bumped by a vehicle or an Accident	Safety	Normal		Failure of observation by drivers and pedestrians and unavailability of pedestrian crossings		minor injuries and property damage	3	3	II	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		Employee								
	6	Driving	2	Exposed groups/employees	Company Owner	Daily	Vehicle incidents	Safety	Normal		Not paying attention, risk assessment not done, not familiar with the road,wet roads, staking up of cellphone, distractions, exposed to unsafe behaviours, Lack of concentration, Pedestrians and taxi drivers, Taxi and Taxis on the road, Civil unrest, Negligent driving		Injuries, Property damage	4	3	II	Staff driving vehicles to have national driver's licence and Eskom driver's evaluation permit, vehicles in roadworthy condition, only transport authorised staff in vehicle, parring criteria,and obeying of all traffic laws, adherence to life saving rules.		To adhere to the existing controls	3	3	III	Incident records	Employee	National Road Safety Act, ESKOM Procedure 32-910 (Vehicle and driver safety management) ESKOM Procedure 36-568 (Vehicle safety and transportation management), Life saving rules.							
Working in the field	7	Bees	18	Exposed groups/employees	Company Owner	Daily	Bee stings	Health	Normal		Employees with Anaphylaxis to bee stings are especially at high risk.		Allergic reaction ie: pain, redness, swelling, itching, sweating, anxiety, dizziness or fainting. Possible fatality	1	2	III	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		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) 85 of 1993 Section 10 GENERAL DUTIES of EMPLOYERS Subsection (e) 85 read with Section 23 GENERAL DUTIES of EMPLOYERS Subsection (e)				In Progress				
	8	Snakes	19	Exposed groups/employees	Company Owner	Daily	Snake bites	Health	Normal		Working in the field, vegetation & weather condition		Shock, fever, fainting, rapid pulse and breathing difficulties and severe cute fatality	3	2	III	Grass cutters alone: Always be aware of your surroundings. Stay out of long grass. Wear boots and long pants when you are in the veld. If you are alone, you cannot risk it. It is very important to try and note what the snake looked like (colour, size etc)... In severe Medical Emergencies or treating physician re-establish what and where to administer	P	Employees to be tested for allergies	2	2	III		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) 85 of 1993 Section 10 GENERAL DUTIES of EMPLOYERS Subsection (e) 85 read with Section 23 GENERAL DUTIES of EMPLOYERS Subsection (e)				In Progress				
	9	Wet or slippery or uneven surfaces	20	Exposed groups/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	Obey barricades & sign passing, PPE to be worn, be aware of where you are stepping, clean up spills immediately, Safety talks & Risk Assessment	P	Analysis1	3	2	IV	Records	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) section 8 (c) Employer shall provide and maintain as far as is reasonably practicable a				In Progress				
Storage of Material	1	Light material - Slip Rails, Multi Spikes, Insulators Bolts & Nuts, Vibration Dampers, Marker balls, Danger Plate, Phase Plates, Conductor holders, T-Jokrts, Lugs, Ferrules, Thimbles, Snap-end Grip, Stay insulators, Pure Tin, Binding Wire, Danger & Phase Plates, Stool Brackets, Binding Straps, Mallets, etc.	198	Exposed groups/employees	Company Owner	Daily	Injury	Safety	NO		Handling of Material - No Supervision		Possible Fatality,Lost time injury and back injuries	2	3	II	Training/authorization ,correct lifting equipment, Supervision, QSI Critical Task Procedure. Critical Task Training, Observations, pre-job brief, SHE talks, Inspection certificate. Use of Vehicle Mounted Crane	P	Maintain existing controls	2	3	IV		Employee	(EPC 32-167, EPC 32-525, EPC 32-535, DPC 32-350, DPC 32-2200, DPC 32-350)								
	2	Complexion, Jackhammers, Pavers, Chain Saw, Portable Generators, Compressors, Drills, Pliers, Compactors, Vehicles, Office Equipment, etc.	199	Exposed groups/employees	Company Owner	Daily	Injury	Safety	NO		Incorrect Handling of Tools - No Supervision, Incorrect Use of Tools, Poor Housekeeping, Poor Handling of tools		Possible Fatality,Lost time injury and back injuries	4	3	II	Training/authorization ,correct lifting equipment, Supervision, QSI Critical Task Procedure. Critical Task Training, Observations, pre-job brief, SHE talks. Inspection certificate. Use of Vehicle Mounted Crane	P	Maintain existing controls	3	1	IV	Inventory, Inspections,	Employee	(EPC 32-167, EPC 32-525, EPC 32-535, DPC 32-350, DPC 32-2200, DPC 32-350)								
Storage of tools	1	Oil, Petrol, Diesel, Thinners, Paint etc.	190	Exposed groups/employees	Company Owner	Daily	Burning/ Asphyxiation	Health	NO		Fire fighting equipment available, Regular inspection of equipment, Training of Fire Fighting, SASOL Material Safety Data Sheet		Lost time injury, Medical injury and environmental impact	4	2	III	Fire fighting training, regular inspection of fire fighting equipment, Supervision	P	Maintain existing controls	3	1	IV	Inventory	Employee	(EPC 32-167, EPC 32-525, EPC 32-535, DPC 32-350, DPC 32-2200, DPC 32-350)								
Storage of flammables	2	Litter,general carelessness and maintenance waste	191	Exposed groups/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 environment	2	3	III	Waste management training, Safe working procedures, applicable PPE, medical surveillance	P	Maintain existing controls	2	1	IV		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)								
Storage of Waste	3	Hazardous waste	192	Exposed groups/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 environment	2	3	III	Waste management training, Safe working procedures, applicable PPE, medical surveillance	P	Maintain existing controls	2	1	IV		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)								
	4	Oil contaminated soil and materials	193	Exposed groups/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 environment	2	3	III	Waste management training, Safe working procedures, applicable PPE, medical surveillance	P	Maintain existing controls	2	1	IV		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)								
	5	Disposal of poison ink and cartridges	194	Exposed groups/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 environment	2	3	III	Waste management training, Safe working procedures, applicable PPE, medical surveillance	P	Maintain existing controls	2	1	IV		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)								
	6	Herbicides and contaminated containers	195	Exposed groups/employees	Company Owner	Daily	ground-, air-, water pollution- environmental risk	Health	no		Not following safe working procedures, staff not properly trained, bad housekeeping	4	Damage to people and the environment	4	3	III	Waste management training, Safe working procedures, applicable PPE, medical surveillance	P	Maintain existing controls	2	1	IV		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)								
	7	Mercury containing lamps and tubes	196	Exposed groups/employees	Company Owner	Daily	ground-, air-, water pollution- environmental risk	Health	no		Not following safe working procedures, staff not properly trained, bad housekeeping	4	Damage to people and the environment	4	3	III	Waste management training, Safe working procedures, applicable PPE, medical surveillance	P	Maintain existing controls	2	1	IV		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)								
	8	Asbestos waste	197	Exposed groups/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 environment	2	3	III	Waste management training, Safe working procedures, applicable PPE, medical surveillance	P	Maintain existing controls	2	1	IV		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)								
	9	Poisonous Substances	198	Exposed groups/employees	Company Owner	Daily	Poisoning of the body, irritation to skin & eyes	Health	NO		Not wearing PPE (Gloves & Face Mask)		LTI or Medical	4	1	II	Wearing PPE (Gloves & Face Mask)	P	Maintain existing controls, use appropriate decanting device	1	1	IV	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)								
Herbicide Application	22	Environmental Hazard	200	Exposed groups/employees	Company Owner	Daily	Damage to the environment	Safety	NO		Wrong Product & incorrect application		Damaging Fauna & Flora	1	3	III	Only purchase approved products, provide sufficient training.	P	Maintain existing controls	1	1	IV	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)								
EXCAVATION by machinery - digging of holes, trenches	23	Diesel fumes and dust	2	Exposed groups/employees	Company Owner	Daily	Fire	Safety	NO		Making use of unsanctioned equipment		Damage to equipment and structures, injuries	4	2	III	Fire fighting equipment available. Regular inspection of equipment, Training of staff	P	Maintain existing controls	2	1	IV	Inspection register	Employee	Environmental Regulations for Workplaces, 2003 (GN R1031)								
	24	Moving machinery eg. Dumping truck	3	Exposed groups/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	Keep safe working space around the machine. Supervision,proper risk assessment and Training of staff	P	Maintain existing controls	2	1	IV	Inspection register	Employee	Construction Regulations 21								
	25	Noise	4	Exposed groups/employees	Company Owner	Daily	Staff exposed to excessive noise	Health	NO		Operation of the machine		NIHL	3	2	II	Supervision, Training, Hearing protection devices, medical surveillance	P	Maintain existing controls	2	1	IV	Supervision, Medical Surveillance (Audiometrics)	Employee	Noise Induced Hearing Loss Regulations 4(1) and 7(1)								
	26	Excavation	5	Exposed groups/employees	Company Owner	Daily	Excavation collapse, Staff falling into excavations, Machine falling into excavation	Safety	NO		No proper supervision, facilitating of excavation, improper barricades		Possible fatalities - Back injuries	5	4	I	Excavate to natural angle of repose - Excavation shored/cased, Sides of excavation fenced off, Supervision	P	Staff to be trained on excavation work, Appointment of Excavation Supervisor	3	1	IV	Supervision	Employee	Construction Regulations 11								
	27	Loading / off- loading of the machine,	6	Exposed groups/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	Keep safe working space around the machine, Supervision, Training of staff	P	Maintain existing controls	3	1	IV	Supervision	Employee	Section 8								
	28	Underground services	7	Exposed groups/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	Way leave	P	Maintain existing controls	2	1	IV	Supervision	Employee	Construction Regulations 11								
	29	Repetitive work	8	Exposed groups/employees	Company Owner	Daily	Carpal tunnel syndrome	Health	NO		No Regular breaks		Hand injuries	3	2	II	Regular breaks	P	Maintain existing controls	2	1	IV	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)								
EXCAVATION by Hands - digging of holes, trenches	30	Improper use of hand tools	9	Exposed groups/employees	Company Owner	Daily	Damaged hand tools	Safety	NO		No regular inspection of tools, incorrect hand tools,		Hand injuries, Broken bones	2	3	II	Safety Talks, Correct PPE for the job, use of correct tools for the job, tools to be in good condition, pre-job brief. Use "hand line" approach Regular inspection of hand tools, PPE	P	Maintain existing controls	2	1	IV	Inspection register	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)								
	31	Trenches collapsing		Exposed groups/employees	Company Owner	Daily	Injuries	Safety	NO		No Sloing and Shoring of excavation		Lost Time Injuries / Fatalities	5	4	I	Excavate to natural angle of repose - Excavation shored/cased, Sides of excavation fenced off, Training on excavation work, Supervision.	P	Maintain existing controls, Medical surveillances, Appoint Excavation Supervisor	2	1	IV	Inspection, Observations	Employee	Construction Regulations 8 (2)								
	32	Open trenches	10	Exposed groups/employees	Company Owner	Daily	Excavation collapse, Staff falling into excavations,	Safety	NO		No proper supervision, facilitating of excavation, Not shoe/tank,		Possible fatalities - Back injuries	5	2	II	Excavate to natural angle of repose - Excavation shored/cased, Sides of excavation fenced off, Training on excavation work, Supervision.	P	Excavation Supervisor, Assistant Supervisor	2	1	IV	Inspection, Supervision	Employee	Construction Regulations 11								
	33	Underground services	11	Exposed groups/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	Way leave	P	Maintain existing controls	2	1	IV	Supervision	Employee	Construction Regulations 11								
	34	Vibration	13	Exposed groups/employees	Company Owner	Daily	Hand/ body vibration	Health	NO		Operation of the machine		Injuries	2	1	IV	Rotation of jackhammer operator, Proper lifting technique and training, medical surveillances,	P	Maintain existing controls	2	1	IV	Inspections, Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)								
	35	Flying debris	14	Exposed groups/employees	Company Owner	Daily	Lower Respiratory diseases - Eye injury	Safety	NO		Operation of the machine, Not making use of PPE		Injuries	2	3	III	Eye protection (2)% Dust masks	P	Maintain existing controls	2	1	IV	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)								
	36	Diesel fumes and dust	15	Exposed groups/employees	Company Owner	Daily	Air pollution - lung irritation	Health	NO		Operation of the machine, Not making use of PPE		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	Supervision	Employee	Hazardous Chemical Substance Regulations 7								
			16	Exposed groups/employees	Company Owner	Daily	Fire	Safety	NO		Making use of unsanctioned 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	3	1	IV	Inspection register	Employee	Environmental Regulations for Workplaces, 2003 (GN R1031)								
JACKHAMMERR - digging of holes, trenches, up of kerbs, pavements	37	Awkward posture	17	Exposed groups/employees	Company Owner	Daily	Back, shoulder neck, feet injuries,Musculoskeletal	Safety	NO		No Regular breaks		Injuries	2	2	IV	Regular breaks	P	Maintain existing controls	2	1	IV	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)								




Consequence
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Likelihood

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Bush cutters (petrol) Ig paving and bush cutting	89	Vibration	53	Exposed groups/employees	Company Owner	Daily	Hand body vibration	Health	NO	Operation of the machine	Lost time injury	4	1	M	Rotation of operator, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
	89	Awkward posture	54	Exposed groups/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regualr breaks	Lost time injury	2	2	M	Regular breaks	P	Maintain existing controls	2	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
	90	Heavy lifting	55	Exposed groups/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	No regular breaks, No chnaing your work area.	Lost time injury	4	2	M	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances.	P	Maintain existing controls	2	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
	91	Flying debris, Saw dust	56	Exposed groups/employees	Company Owner	Daily	Lower Respiratory diseases - Eye injury		NO	Operation of the machine, not using PPE	Lost time injury	4	3	H	Eye protection, Dust masks	P	Maintain existing controls	2	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
	92	Petrol fumes	57	Exposed groups/employees	Company Owner	Daily	Air pollution - lung irritation	Health	NO	No proper maintenance. Petrol leaks	Lost time injury	4	3	H	Supervision and regular breaks, dust mask, Proper PPE, proper training and authorization, medical surveillance	P	Maintain existing controls	2	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
	93		58	Exposed groups/employees	Company Owner	Daily	Fire	Safety	NO	No proper maintenance. Petrol leaks.	Damage to equipment and structures, Lost time injury	4	3	H	Fire fighting equipment available, Regular inspection of equipment, Training of staff	P	Maintain existing controls	2	1	M	Inspections	Employee	RPW 9 and SANS 10400											
	94	Noise	59	Exposed groups/employees	Company Owner	Daily	Staff exposed to excessive noise	Health	NO	Lack of proper maintenance	NIHL	4	2	M	Supervision, Training, Hearing protection devices, medical surveillance	P	Maintain existing controls	2	1	M	Supervision, Medical Surveillance and Noise Measurements	Employee	NIHLR 6(1) and 7(1)											
Electric/oil Hydraulic and battery hedge trimmers, drills, holes on vertical plain, steel and concrete walls	95	Vibration	60	Exposed groups/employees	Company Owner	Daily	Hand body vibration	Health	NO	Operation of the machine	Lost time injury	4	1	M	Rotation of operator, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	M	Supervision, Medical Surveillance	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
	96	awkward posture,	61	Exposed groups/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury	4	2	M	Regular breaks	P	Maintain existing controls	2	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
	97	Flying debris, Dust	62	Exposed groups/employees	Company Owner	Daily	Lower Respiratory diseases - Eye injury	Safety	NO	Operation of the machine, not using PPE	Lost time injury	4	3	H	Eye protection, Dust masks	P	Maintain existing controls	2	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
	98	Heavy lifting	63	Exposed groups/employees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Safety	NO	Not stretching ove anotther	Lost time injury	4	2	M	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
	99	Using defective electrical drilling machines	64	Exposed groups/employees	Company Owner	Daily	Electrocution	Safety	NO	No supervision, Lack of maintenance, no proper training	Possible fatalities - Lost time injury	5	4	T	Routine maintenance of equipment	P	Maintain existing controls	3	1	M	Supervision, Inspection	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
	60	Driving on uneven terrain	65	Exposed groups/employees	Company Owner	Daily	Whole body vibration, vehicle accident,	Health	NO	Driving of vehicles.	Possible fatalities - Lost time injury - Damage to vehicle	4	3	H	Valid drivers licence, Pre and post trip inspections, regular breaks, Life saving rules, Dangerous goods training, Defensive driving, PDP, Driver with Love Brain	P	Maintain existing controls	3	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
Driving of heavy vehicles (code 10/14/08) to transporting of construction materials, Operating of TLB, Pulling of trailer by the excavator 100 LCV - Driving vehicles transporting of workers, transporting of responding to faults	61	Long hours driving	66	Exposed groups/employees	Company Owner	Daily	Fatigue, vehicle accident	Safety	NO	No Regular breaks, Maintenance of vehicle, Driving alone	Possible fatalities - Lost time injury - Damage to vehicle	5	3	H	Valid drivers licence, regular rest stops	P	Maintain existing controls	3	1	M	Inspections	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
	62	Diesel, Petrol and Oil spills	67	Exposed groups/employees	Company Owner	Daily	Ground, air and water pollution - lung irritation	Health	NO	Lack of proper maintenance	Environmental damage, lost time injury	4	3	H	Pre-trip inspections, Maintenance of vehicle.	P	Maintain existing controls	3	1	M	Inspections	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) - Hazardous Chemical Substance Regulations 1											
				Exposed groups/employees	Company Owner	Daily	Fire	Safety	NO	Lack of proper maintenance. Pipe burst, Vehicle accidents	Damage to equipment and structures, Lost time injury	4	2	M	Fire fighting equipment available, Regular inspection of equipment, Training of staff	P	Maintain existing controls	3	1	M	Inspections	Employee	RPW 9 and SANS 10400											
	63	Using Public Roads	68	Exposed groups/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	H	Valid drivers licence, Pre and post trip inspections, PDP, Life saving rules	P	Maintain existing controls	3	1	M	Incident Register/Loss reports/ Property Damage / Injury	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
	64	Defective / broken hand tools	69	Exposed groups/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	H	Medical surveillance, training, regular inspections, PPE	P	Maintain existing controls	3	1	M	Inspections	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
Using of hand tools - dag (x day/ week e.g.connect and disconnect customers etc.	65	Live electricity	70	Exposed groups/employees	Company Owner	Daily	Electrocution	Safety	NO	Incorrect and handling of tools, Improper storage of tools	Possible fatalities - Lost time injury	5	4	T	Proper PPE, Regular testing of equipment, Proper training, medical surveillance. Authorization, Mental alertness and physical ability.	P	Maintain existing controls	3	1	M	Inspections	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
	66	Working at heights	71	Exposed groups/employees	Company Owner	Daily	Falling from heights	Safety	NO	Not using FAS, Not medically fit,	Serious injuries, fatalities,	5	4	T	Safe working platforms, Supervisor, Training of staff, Safety harnesses, Medical certificate of fitness	P	Maintain existing controls	3	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
	67	Tools falling from heights	72	Exposed groups/employees	Company Owner	Daily	Objects falling on staff, other equipment	Safety	NO	Tools not secured	Possible property damage injury to staff	5	4	T	Proper PPE, Keep working area underneath operator safe. Proper training medical surveillance.	P	Maintain existing controls	3	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)											
	68	Noise	73	Exposed groups/employees	Company Owner	Daily	Staff exposed to excessive noise	Health	NO	Operation of the machine, Lack of maintenance, no supervision, no training, excceed use	NIHL	4	2	M	Supervision, Training, Hearing protection devices, medical surveillance	P	Maintain existing controls	2	1	M	Supervision, Medical Surveillance and Noise Measurements	Employee	Noise Induced Hearing Loss Regulations 6(1) and 7(1)											

Using of Angle grinders - Cutting off bolts, stone and bricks	69	Vibration	74	Exposed groups/employees	Company Owner	Daily	Hand body vibration	Health	NO	Operation of the machine, not properly maintained.	Lost time injury	4	1	M	Rotation of operator, Proper lifting technique and training, medical surveillance.	P	Maintain existing controls	2	1	M	Inspections	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	70	Flying debris, Grinding Dust	75	Exposed groups/employees	Company Owner	Daily	Lower Respiratory diseases - Eye injury	Safety	NO	Making use of the machine. Not using PPE	Lost time injury	4	3	H	Eye protection, Dust masks	P	Maintain existing controls	3	1	M	Supervision, Inspections	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	71	Awkward posture	76	Exposed groups/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury	4	2	M	Regular breaks	P	Maintain existing controls	2	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	72	Heavy equipment	77	Exposed groups/employees	Company Owner	Daily	Amputation, Fractures, Back, shoulder neck, feet injuries, Blisters.	Safety	NO	Not using correct PPE	Lost time injury	4	3	H	Leather Gloves, Overall, Safety Boots, Keep working area safe, Proper handling technique and training.	P	Maintain existing controls	3	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
Using of Big Bolt cutter- Cutting off bolts, stone and bars.	73	Falling Objects	78	Exposed groups/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	H	Proper PPE, Keep working area underneath operator safe. Proper training, medical surveillance.	P	Maintain existing controls	5	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	74	Cutting tool-ends of conductor	79	Exposed groups/employees	Company Owner	Daily	Head, hand, arm and eye injuries.	Safety	NO	Not staying clear of person working overhead	Injury to staff	3	4	H	Training, correct PPE, Control cable ends	P	Maintain existing controls	3	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	75	Falling of tools from elevated positions	80	Exposed groups/employees	Company Owner	Daily	Head injuries, Fractures, Head, arm and eye injuries, property damage	Safety	NO	Tools not secured	Possible property damage - Injury to staff	5	4	H	Proper PPE, Keep working area underneath operator safe. Proper training, medical surveillance.	P	Maintain existing controls	5	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
Use of Lifting gear / Knott Turfal	76	Heavy equipment.	81	Exposed groups/employees	Company Owner	Daily	Amputation, Fractures, Back, shoulder neck, feet injuries, Blisters.	Safety	NO	Lack of maintenance	Lost time injury	3	4	H	Leather Gloves, Overall, Safety Boots, Keep working area safe, Proper lifting technique and training, medical surveillance.	P	Maintain existing controls	3	1	M	Supervision, Inspection	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	77	Equipment under tension/strain	82	Exposed groups/employees	Company Owner	Daily	Equipment failure	Safety	NO	Lack of maintenance. 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	H	Proper PPE, Keep safe working space around the operator. Keep working area underneath operator safe. Make sure safe working loads of load and equipment (crabs/cars, slings ect.). Regular testing of equipment. Visual inspections before use. Proper training, medical surveillance	P	Maintain existing controls	3	1	M	Supervision, Inspection	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	78	Defective lifting gears.	83	Exposed groups/employees	Company Owner	Daily	Equipment failure	Safety	NO	Lack of maintenance. 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	H	Proper PPE, Keep safe working space around the operator. Keep working area underneath operator safe. Make sure safe working loads of load and equipment (crabs/cars, slings ect.). Regular testing of equipment. Visual inspections before use. Proper training, medical surveillance	P	Maintain existing controls	3	1	M	Supervision, Inspection	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	79	Breaking of conductors ,slings and poles under tension.	84	Exposed groups/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	H	Proper PPE, Keep safe working space around the operator. Keep working area underneath operator safe. Make sure safe working loads of load and equipment (crabs/cars, slings ect.). Regular testing of equipment. Visual inspections before use. Proper training, medical surveillance		Maintain existing controls	3	1	M	Supervision, Inspection	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	80	Ultra violet ARC	97	Exposed groups/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	H	Wear welding gloves. Wear welding helmet. Medical surveillances on people that work it regularly. Only authorised people. Training. Working area to shielded off	P	Maintain existing controls	3	1	M	Supervision, Inspection	Employee	General Safety Regulation 9													
Welding using welding machines	81	Welding creating heat	98	Exposed groups/employees	Company Owner	Daily	Burn wounds.		NO	Conducting welding activities	Lost time injury	3	4	H	Wear welding gloves. Wear welding helmet. Wear welding apron. Only authorised people. Training. Working area to shielded off	P	Maintain existing controls	3	1	M	Supervision, Inspection	Employee	General Safety Regulation 9													
	82	Defective welding machines	99	Exposed groups/employees	Company Owner	Daily	Electrocution	Safety	NO	Lack of proper maintenance	Possible fatalities - Lost time injury	3	4	H	Regular inspections of welding machine, cabling and clamps	P	Maintain existing controls	3	1	M	Supervision, Inspection	Employee	General Safety Regulation 9													
	83	Welding fumes.	90	Exposed groups/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	M	Work in ventilated area. Medical surveillances on people that uses it regularly. Only authorised operators. Training.	P	Maintain existing controls	2	1	M	Supervision, Inspection	Employee	General Safety Regulation 9													
	84	Damaged power leads and incorrect earthing	91	Exposed groups/employees	Company Owner	Daily	Electrical shock - Burning from hot metals and tools.	Safety	NO	Lack of proper maintenance	Lost time injury	2	4	M	Regular inspections of welding machine, cabling and clamps	P	Maintain existing controls	2	1	M	Supervision, Inspection	Employee	General Safety Regulation 9													
	85	Arc flash	96	Exposed groups/employees	Company Owner	Daily	Burn wounds	Safety	NO	No training off operator, excessching safety clearance	Possible fatalities - Injury to staff	4	4	H	Supervision - Proper PPE, Proper training and authorisation	P	Maintain existing controls	3	1	M		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	86		92	Exposed groups/employees	Company Owner	Daily	Fire	Safety	NO	Lack of proper maintenance. Poor fuels. Vehicle accidents	Damage to equipment and structures, Lost time injury	4	2	M	Fire fighting equipment available - Regular inspection of equipment - Training of staff	P	Maintain existing controls	2	1	M		Employee	ERW 9 and SANS 10400													
High voltage operating 11Kv - 132 Kv	87	Walking on uneven terrain	100	Exposed groups/employees	Company Owner	Daily	Staff falling/tripping	Safety	NO	Environment	Lost time injury	4	3	H	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	3	1	M		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	88	Awkward positions	101	Exposed groups/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury	3	4	H	Regular breaks	P	Maintain existing controls	3	1	M		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	89	Falling equipment	102	Exposed groups/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	H	Proper PPE, Keep working area underneath operator safe. Proper training, medical surveillance.	P	Maintain existing controls	4	1	M		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	90	Working at heights	103	Exposed groups/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	H	Safe working platforms, Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P	Maintain existing controls	3	1	M		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	91	Loading / off- loading of the equipment	104	Exposed groups/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	H	Keep safe working space around the machine, Supervision, Training of staff	P	Maintain existing controls	3	1	M		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	92	Climbing of ladders and structures	105	Exposed groups/employees	Company Owner	Daily	Staff falling from ladders or structures	Safety	NO	Working at heights, steps of ladder	Serious injuries, fatalities	3	5	H	Supervision, Training of staff, Safety harnesses, Medical certificates of fitness	P	Maintain existing controls	3	1	M		Employee	General Safety Regulation 13													
	93	Electrical conduct	106	Exposed groups/employees	Company Owner	Daily	Electrocution	Safety	NO	MAKING CONTACT WITH LIVE EQUIPMENT	Possible fatalities, Lost time injury	5	4	H	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorization. Mental alertness and physical ability.	P	Maintain existing controls	4	1	M		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	94	Electrical equipment failure	107	Exposed groups/employees	Company Owner	Daily	Electrocution. Burn wounds. Fire.	Safety	NO	Lack of maintenance	Possible fatalities, Lost time injury	4	5	H	Proper PPE, Regular testing of equipment. Proper training, medical surveillance. Authorization. Mental alertness and physical ability.	P	Maintain existing controls	4	1	M		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	95	Working in hot weather conditions	108	Exposed groups/employees	Company Owner	Daily	Staff becoming ill, heat stroke	Health	NO	Sun rays	Lost time injury	4	3	M	Regular breaks, Availability of adequate water	P	Maintain existing controls	3	1	M		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	96	Working in cold weather conditions	109	Exposed groups/employees	Company Owner	Daily	Staff becoming ill	Health	NO	Cold, Wet weather conditions.	Lost time	4	3	M	Regular breaks, PPE	P	Maintain existing controls	3	1	M		Employee	OCcupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	97	Heavy equipment.	110	Exposed groups/employees	Company Owner	Daily	Amputation, Fractures, Back, shoulder neck, feet injuries, Blisters.	Safety	NO	No regular breaks, No viewing your surroundings when using the machine, not using PPE	Lost time injury	4	4	H	Leather Gloves, Dust Mask, Overall, Safety Boots, Keep working area safe, Proper lifting technique and training, medical surveillances.	P	Maintain existing controls	3	1	M		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	98	Unauthorised personnel operating high voltage equipment	111	Exposed groups/employees	Company Owner	Daily	Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees	Safety	NO	No training, Unauthorised personnel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage	5	4	H	Supervision, Disciplinary action, Proper training and authorisation	P	Maintain existing controls	3	1	M		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	99	Oil spill	112	Exposed groups/employees	Company Owner	Daily	Ground, air and water pollution	Health	NO	Lack of maintenance. Faulty equipment	Environmental damage	3	4	H	Supervision and regular breaks, dust mask. Proper PPE, proper training and authorisation, medical surveillance	P	Maintain existing controls	3	1	M		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	100	Unauthorised / untrained personnel operating high voltage equipment	113	Exposed groups/employees	Company Owner	Daily	Property/lifting equipment damage, Serious injuries/fatalities to bystanders/employees	Safety	NO	No training, Unauthorised personnel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage	5	4	H	Supervision, Disciplinary action, Proper training and authorisation	P	Maintain existing controls	3	1	M		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	101	Loading / off- loading of the equipment	114	Exposed groups/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	H	Keep safe working space around the machine, Supervision, Training of staff	P	Maintain existing controls	3	1	M		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	102	Noise from transformer	115	Exposed groups/employees	Company Owner	Daily	Staff exposed to excessive noise	Health	NO	Not making use of PPE	NIHL	4	4	H	Supervision, Training, Hearing protection devices. medical surveillance	P	Maintain existing controls	3	1	M	Supervision, Medical surveillance Measurements	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	103	Arc flash	116	Exposed groups/employees	Company Owner	Daily	Burn wounds		NO	No training	Possible fatalities - Injury to staff	4	4	H	Supervision - Proper PPE, Proper training and authorisation	P	Maintain existing controls	3	1	M		Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)													
	104		117	Exposed groups/employees	Company Owner	Daily	Fire	Safety	NO	Making use of unserviced equipment	Damage to equipment and structures, Lost time injury	4	2	M	Fire fighting equipment available - Regular inspection of equipment - Training of staff	P	Maintain existing controls	2	1	M		Employee	ERW 9 and SANS 10400													

	190	Diesel fumes and dust	196	Exposed groupemployees	Company Owner	Daily	Fire	Safety	NO	Making use of unsecured equipment	Damage to equipment and structures, Lost time injury	4	2	8	Fire fighting equipment available - Regular inspection of equipment	P	Maintain existing controls	2	1	M		Employee							
	191	Unauthorised personnel operating bar work on high voltage equipment	197	Exposed groupemployees	Company Owner	Daily	Property/tifting equipment damage, Serious injuries/fatalities to by bystanders/employees	Safety	NO	No training, Unauthorised personnel, No Supervision, Not following Safe work procedures	Serious injuries/fatalities, property damage	5	4	7	Supervision, Disciplinary action, Proper training and authorisation	P	Maintain existing controls	2	1	M		Employee							
	192	Awkward position	198	Exposed groupemployees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury	3	4	5	Regular breaks	P	Maintain existing controls	2	1	M		Employee							
Planting of poles by hand	193	Underground electrical cables and other underground services	199	Exposed groupemployees	Company Owner	Daily	Damage to sewerer/ property - Electrocution	Safety	NO		Possible fatalities - Injury to staff	3	4	5	Way leave	P	Maintain existing controls	2	1	M		Employee							
	195	Lifting heavy poles	160	Exposed groupemployees	Company Owner	Daily	Fatigue, Back, shoulder, neck, foot injuries	Health	NO	Not assisting one another	Lost time injury	4	2	8	Safety Boots, Gloves, Regular breaks, Proper lifting technique and training, medical surveillances	P	Maintain existing controls	2	1	M		Employee							
	196	Dust	161	Exposed groupemployees	Company Owner	Daily	Air pollution - Lung irritation	Health	NO	Impact of poles on the ground	Lost time injury	2	3	6	Dust mask, Proper PPE, medical surveillance	P	Maintain existing controls	2	1	M		Employee							

Planting of poles using rams	197	Noise	193	Exposed groups/employees	Company Owner	Daily	Staff exposed to excessive noise	Health	NO	Truck idelling	NIHL	4	2	M	Supervision, Training, Hearing protection devices medical surveillance	P	Maintain existing controls	2	1	M	Supervision Medical Surveillance Maintenance	Employee																	
	198	Diesel funnel refill duct	193	Exposed groups/employees	Company Owner	Daily	Air pollution - Lung irritation	Health	NO	Ovestion of the machine. Not making use of PPE	Lost time injury	4	3	H	Supervison and regular breaks, dust mask, Proper PPE, proper training and authorisation, medical surveillance	P	Maintain existing controls	3	1	M		Employee																	
	199	Awkward position	193	Exposed groups/employees	Company Owner	Daily	Fire	Safety	NO	Making use of unsupervised equipment	Damage to equipment and structures, Lost time injury	4	2	M	Fire fighting equipment available - Regular inspection of equipment	P	Maintain existing controls	2	1	M		Employee																	
	200	Defective / broken hand tools	193	Exposed groups/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury	4	4	H	Regular breaks	P	Maintain existing controls	2	1	M		Employee																	
Felling of heavy poles	201	Awkward position	193	Exposed groups/employees	Company Owner	Daily	Handfoot injuries, cuts and bruises	Safety	NO	No regular inspection of tools, Incorrect hand tools,	Lost time injury	4	3	H	Regular inspections of hand tools - PPE	P	Maintain existing controls	2	1	M		Employee																	
	202	Dust	197	Exposed groups/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regular breaks	Lost time injury	4	5	H	Regular breaks	P	Maintain existing controls	4	1	M		Employee																	
	203	Heavy lifting	198	Exposed groups/employees	Company Owner	Daily	Air pollution - Lung irritation	Health	NO	Impact of poles on the ground	Lost time injury	4	3	H	Dust mask - Proper PPE - medical surveillance	P	Maintain existing controls	3	1	M		Employee																	
Handling Climbing and working on ladders	204	Awkward position	199	Exposed groups/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	H	Regular breaks - Safety shoes	P	Maintain existing controls	2	1	M		Employee																	
	205	Awkward position	199	Exposed groups/employees	Company Owner	Daily	Back, shoulder neck, feet injuries/discomfort	Health	NO	No regualr breaks	Lost time injury	4	4	H	Regular breaks	P	Maintain existing controls	3	1	M		Employee																	
	206	Working at height	170	Exposed groups/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	H	Regular breaks - Safety shoes	P	Maintain existing controls	3	1	M		Employee	Construction Regulation 8 (Fall Protection Plan), Working at Height Procedure 32-010,														
	190	Fall from height	171	Exposed groups/employees	Company Owner	Daily	Fractures, Back, shoulder neck, feet injuries,	Health	NO		Lost time injury	4	4	H	Leather Gloves - Dust Mask - Overall - Safety Boots - Keep working area safe - Proper lifting technique and training - medical surveillances.	P	Maintain existing controls	3	1	M		Employee																	
Erecting and working on scaffolds	167	Awkward position	172	Exposed groups/employees	Company Owner	Daily	Falling objects or personnel falling off scaffold	Safety	NO	No regualr breaks	Serious injuries, fatalities,	5	4	E	Safe working platforms. Supervision. Training of staff, Safety harnesses, Medical certificates of fitness	P	Maintain existing controls	3	1	M		Employee	Construction Regulation 8 (Fall Protection Plan), Working at Height Procedure 32-010,														
				Exposed groups/employees	Company Owner	Daily																Employee																	
		Working at height	173	Exposed groups/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	H	Regular breaks - Safety shoes	P	Maintain existing controls	3	1	M		Employee																	
		Heavy lifting	174	Exposed groups/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	H	Regular breaks	P	Maintain existing controls	3	1	M		Employee																	
Working in the field	168	Insects	175	Exposed groups/employees	Company Owner	Daily	Insects bites	Health	NO	Insects in area	Experience burning, pain, biting, redness, headache, rash, injuries, earning	3	3	H	OPERATIONAL CONTROL: Individuals to be aware of their status regarding allergies. Seek immediate emergency care for treatment. Remove the bee sting as soon as possible by scraping with a credit card, a blade or non-pack exaggerate a cloth, or a coin, wet washcloth to the site. Protect against infection. Give acetaminophen for pain. Elevate the size of the bite occurred to an arm or leg (to help prevent swelling). PROGNOSIS: SHE talks, Medical surveillance and occupational awareness.	P	Maintain existing controls	3	1	M		Employee	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.														
	169		176	Exposed groups/employees	Company Owner	Daily	Bee Stings	Health	NO	Bee's in the area	Allergic reactions, swelling &/may, sweating/ dizziness, fainting and possible fatality.	3	3	H	Safety talks, Risk assessment, Situational awareness, Individuals to be aware of their status. Share status to them colleagues, Medical surveillance	P	Maintain existing controls	3	1	M		Employee	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 groups/employees	Company Owner	Daily	Snake bites	Safety	NO	Snakes/dogs in the area	Shock, fever, fainting, signs nausea and breathing difficulties and worse case fatality.	3	3	H	Call for emergency assistance immediately. While waiting for emergency assistance: Wash the bite with soap and water. Immobilize the bitten arm or leg with a splint. Remove rings or other tight items in case swelling occurs. Position victim so that the bite is lower than the heart. Monitor breathing and heart rate. Remove all rings, watches, and constrictive clothing. Do not apply ice to the bite. Do not cut the bite. It can be reported to an emergency room physician if needed. Do not apply a tourniquet. Lower victims alone. Always be aware of your surroundings. Be alert for snakes, dogs and other animals in the area. Avoids Areas/ bends and feel 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 personnel in providing the correct treatment. Medical surveillance to establish what anti-venom to administer.	P	Maintain existing controls	3	1	M		Employee	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 groups/employees	Company Owner	Daily	Slipping on wet floors or uneven surfaces	Safety	NO	Weather conditions	Injury	4	3	H	Obey barricades & sign posting, PPE to be worn, be aware of where you are stepping, clean up spills immediately. Safety talks,		Maintain existing controls	3	1	M		Employee																	
	180	Uncontrolled usage	201	Exposed groups/employees	Company Owner	Daily	Injuries - Cuts, bruises & wounds	Safety	NO	Failure to correctly operate, inspect/note and not wearing correct PPE	LTI or Medical	4	2	M	Use equipment as per safe working instructions, Wear correct PPE	P	Maintain existing controls, On Job Observations	1	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)														
USING PORTABLE ELECTRICAL TOOLS	184	Damaged cords & equipment	202	Exposed groups/employees	Company Owner	Daily	Electrical shocks	Safety	NO	No proper maintenance & inspections	Fatality, LTI or Medical	5	3	H	Periodical Inspections & Maintenance	P	Maintain existing controls	1	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)														
	186	Using non-calibrated tools	203	Exposed groups/employees	Company Owner	Daily	Damaging Equipment, injuries	Safety	NO	Not calibrating equipment on time as per schedule or due date		5	3	H	Periodical Inspections & Maintenance	P	Maintain existing controls	1	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)														
	185	Rotating and moving Machinery	201	Exposed groups/employees	Company Owner	Daily	Damaging Equipment, injuries	Safety	NO	Failure to correctly operate and not wearing correct PPE	LTI or Medical	4	3	H	Use equipment as per safe working instructions, Wear correct PPE	P	Maintain existing controls	1	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)														
	8	Physical material handling		Exposed groups/employees	Company Owner	Daily	Equipment falling on staff, other equipment	H&S	NO	Weight and awkward material to handle	Reocider property damage, Injury to staff	4	3	H	Keep safe working space around the machine, Supervison, Training of staff	P	Maintain existing controls	2	1	M	Capturing and monitoring incidents and reported near misses	Employee	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 Tensile and conductor drum		Exposed groups/employees	Company Owner	Daily	Hand and arm injuries	Health	NO	Poor engineering design	Strains / sprains/ fing/ fiacts injuries	4	3	H	Redesign the brake mechanism on the conductor drum and Tensile.	P	Maintain existing controls	2	2	M	Capturing and monitoring incidents and reported near misses	Employee	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 groups/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	H	Inspect PAS before use,hook up to suitable anchor point.	P	Maintain existing controls	3	1	M	Planned task observations and Behavioral Observations	Employee	Construction Regulation 8 (Fall Protection Plan), Working at Height Procedure 32-010,														
	11	Fall from height		Exposed groups/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	H	Leather Gloves - Overall - Safety Boots Headhat - Proper training - medical surveillances.	P	Maintain existing controls	2	1	M	Planned task observations and Behavioral Observations	Employee	Construction Regulation 8 (Fall Protection Plan), Working at Height Procedure 32-010,														
	12	Walking on uneven terain		Exposed groups/employees	Company Owner	Daily	Staff fitting/tripping	H&S	NO	Environment	Lost time injury	4	3	H	PPE to be worn, be aware of where you are stepping, Safety talks,	P	Maintain existing controls	3	1	M	Capturing and monitoring incidents and reported near misses	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)														
	13	Equipment under tension/strain		Exposed groups/employees	Company Owner	Daily	Equipment failure	H&S	NO	Lack of maintenance, Not conducting routine inspections, No Risk assessment, Not using correct tools for the task, at hand	Fatalities, Head injuries, Fractures, Hand, arm and eye injuries, Damage to property or people in working area	5	3	H	Proper PPE, Keep safe working space around the operator, Keep working area underneath operator safe. Make sure safe working loads of tool and equipment are not exceed, Do not use damaged tools, Proper inspections before use, Proper training, medical surveillance	P	Maintain existing controls	3	1	M	Supervision, Inspection	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)														
	14	Repetetive motion		Exposed groups/employees	Company Owner	Daily	Arm and joint injuries	Safety	NO	Awkward position/Fatigue	Arm and joint injuries	3	3	H	Take regular breaks and share the workload.	P	Maintain existing controls	2	1	M	Supervision	Employee	Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)														
Working with climbing slicks	15	Working at a fall risk position		Exposed groups/employees	Company Owner	Daily	Fatigue. Back, shoulder, neck, feet, leg injuries	Safety	NO	Lack of Training,no Supervision, inadequate risk assessment	Lost time injury	4	4	H	Regular breaks - Safety shoes	P	Maintain existing controls, medical surveillances.	2	1	M	Observations	Employee	Construction Regulation 8 (Fall Protection Plan), Working at Height Procedure 32-010,														