



# health

Department:  
Health  
**PROVINCE OF KWAZULU-NATAL**

Baseline Risk Assessment: HARRY GWALA NURSING CAMPUS: REPLACEMENT OF PERIMETER FENCE. **Please note this is a baseline risk assessment not a detailed risk assessment of all anticipated activities on site and not in order of activities of the project. The Principal contractor will be required to compile a detailed risk assessment for the project.**

Main Activity	Sub activities	Hazards	Risks	Category			Control Measures	Responsible person
				Safety	Health	Environmental		
Site establishment	Vegetation clearing (Manual)	Snakes Insects Poisonous vegetation Extreme weather	Snake bites Insect bites Skin rashes. Death Heat & cold	Injuries	Skin infections Dust inhalation	Land pollution	Proper Risk assessment Method statements Adequate	Contractor

		conditions					supervision Training	
	Vegetation clearing (mechanical)	Snakes Insects Poisonous vegetation Extreme weather conditions Noise Dust Vibration Moving vehicles	Snake bites Insect bites Skin rashes. Death Heat & cold Dust	Injuries	Skin infections Dust inhalation	Land pollution	Proper Risk assessment Method statements Adequate supervision Training	Contractor
	Site office positioning	Manual handling Struck against material Struck by material Sharp edges	Muscular strains Hand injuries Cuts; abrasions Bruises Fractures	Injuries Fractures			Supervision HIRA Method statement Training proper	Contractor

		Tripping  Hidden services	electrocution				barricading  PPE  Service detection	
	Electrical connection to the site office	Electricity  Sharp edges  Poor working postures	Electrocution; death  Cuts  Muscular pains	Injuries  Electrocution			Supervision  HIRA  Method statement  Training  PPE	Contractor
	Water connection to site office	Sharp edges  Extreme weather conditions  Physical exertion  Poor working posture	Cuts  Heat stroke  Muscle strains  Back strains	Injuries  Body strains			Supervision  HIRA  Method statement  Training  PPE	Contractor

Site clearance	Manual cutting of trees	Hand tools Tree branches Insects Falls Snakes	Hand and body injuries Insect bites	Injuries Cuts Abrasions Fractures Snakes/insect bites	Skin rashes		Supervision HIRA Method statement Training PPE	Contractor
Removal of existing fence	Removal of wire	Hand tools Wire Nails Extreme weather conditions Ergonomic risks	Hand injuries	Injuries Cuts Heat exhaustion Body postures	Heat stress Heat rash		Supervision HIRA Method statement Training PPE	Contractor
	Removal of timber	Hand tools Hand held drilling machines  Extreme weather conditions	Hand injuries Noise Dust	Injuries	Noise induced hearing loss Dust inhalation		Supervision HIRA Method statement Training PPE	Contractor

New pole installation	Whole digging	Hand tools Awkward positions Extreme weather conditions	Hand and body injuries Body pains Heat Cold Dust	Injuries Pains	Heat exhaustion Dust inhalation		Supervision HIRA Method statement Training PPE	Contractor
	Fixing poles	Pole handling Hand held tools Cement mix	Hand and body injuries Body pains Heat Cold Dust	Injuries Pains	Heat exhaustion Dust inhalation		Supervision HIRA Method statement Training PPE	Contractor
Fence installation	Wire handling and breaking	Wire Hand tools Extreme weather conditions	Hand and body injuries Eye injuries Cuts	Injuries			Supervision HIRA Method statement	Contractor

			Bruises Cold/ hot weather				Training PPE	
	Wire stretching	Wire Hand tools Nails	Cuts Abrasions Pinched fingers Hot/Cold weather	Hand and body injuries		Poor house keeping  In adequate waste removal	Supervision HIRA Method statement Training PPE	Contractor
Installation of flood lights	Pole installation	Hand tools Manual handling Manual digging Dust Weather extremes	Injuries Awkward postures Lifting  Heat/cold	Hand injuries/bruise Musculoskeletal disorders	Respiratory irritation  Heat rash Cold hands		Supervision HIRA Method statement Training PPE Availability of portable water Medical certification	Contractor

	Light fitting	Hand tools Electricity Weather extremes	Injuries Awkward postures Working at heights Electricity Heat/cold	Hand injuries/bruise Musculoskeletal disorders Electric shock/burns	Respiratory irritation Electric shock/burns Heat rash Cold hands		Supervision HIRA Method statement Training PPE Availability of portable water Medical certification Electric isolation procedures Competency for electrical connections	Contractor
	Nearby public road	All activities	Run over by vehicles	Death			The contractor must ensure adequate barricading; where the activities are likely to interfere with the nearby road; the contractor	Contractor

							must make provisions to ensure road users are safe and are aware of such disturbances	
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