


Provision Of Electrical Hoist Installation for Kendal Power Station

Occupational Health and Safety Baseline risk assessment template							
Business/Operating unit:	Kendal Power Station		SOW: Installation of Electric Hoist			Next Review Date (every 2 years):	Template identifier: 240-70044602
Date:	18-Nov-21		Authorised by:	Name: Gugulethu Xhanti		Document identifier	
				Designation: Project Manager		Revision number:	1
				Sign: 		Revision date:	31-May-24
				Date:19.11.2021			
Refer to Occupational Health and Safety Risk assessment procedure 32-520							
List activity	Hazard Identification	Associated risk	Risk type	What are the possible consequences?	Existing Controls	Control Owner	Legal and Other Requirements
List specific activities to be performed taking into consideration the equipment to be used, the personnel involved in the task.	Anything with potential to cause of harm. Note: A hazard can pose more than one risk.	A chance that injury , ill health or damage could occur as a result of uncontrolled hazard.	Safety or health	Consider the worse case scenario without controls?	Include: - <u>Preventative Controls</u> (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and - <u>Reactive Controls</u> (controls implemented to reduce the immediate impact of the risk occurring) Elimination Substitution Engineering controls Administrative controls Personal protective equipment (PPE)	Person allocated the responsibility for implementing the agreed controls	Where relevant, list the relevant legislative and or Eskom requirements that prescribe the control.
Driving	Motor Vehicle, Poor Road conditions and Pedestrians, Stray animals, pedestrians, Neckligent and reckless driving, failure to observe road safety rules, drive under the influence of alcohol drugs	Injury and property damage	Safety	Fatality,Property damage and injuries	Provision of common transport, Road safety campaign / aw areness, substance abuse programme and Road maintenance	Supervisor/Manager	SHE Specification, National Taffic Act, OHS Acts 85 of 1993, Disaster management act, Covid-19 management plan &policies
Contracting Covid-19	Overloaded employees vehicles, Non-compliance with COVID19 guideline, Sharing of facilities and hand tools, Failure to use or to provide disinfectants, Virus contaminated	Employees could be infected with COVID19 virus, Could be arrested or fined, Contracting COVID19 virus/death/ severe illness	Health	Severe illness, lung diseases, fatality	Social distancing (2m),Correct PPE to be w orn, Sanitize regularly, Wash hands w ith soap and water, Correct coughing / sneezing practices, Continuos monitoring of compliance to the COVID-19 regulations, all vehicles to have hand sanitisers, and can load a maximum capacity as stated on disaster management Alert levels lockdown r regulation updates	Supervisor/Manager	South African Covid-19 guidelines, NICD, WHO guidelines
Installation and load testing of boiler hoists	Noise	Exposure to noise	Health	Noise induced hearing loss	Communication (hazard awareness), Medical surveillance program, Training: General Safety, PPE (hearing)	Supervisor/Manager	OHS act, NIHL Reg 3-13, SANS 10083, procedure 32-136, Noise Induced Hearing loss Regulation S7
	Live Plant	Electricution	Safety	Injuries or death	Comply to PSR and wear correct PPE (Arc flash protection)	Supervisor/Manager	PSR, OHS act
	Dust	Exposure to Ash & Coal dust	Health	Nasal irritation, Occupational disease, Respiratory disease & silicosis	Communication (hazard aw areness), dust supresion, Dust surveys,medical surveillance,Training: General Safety, PPE, Toolbox talk	Supervisor/Manager	OHS act, procedure 32-136, OHSAct, Hazardous Chemical Substance Regulation Annexure 1 S36
	Illumination	Exposure to poor illuminated areas	Health	Slip, rip and fall Injuries, eye strain	Illumination survey, Communication (hazard aw areness), use of portable lights	Supervisor/Manager	OHS act, procedure 32-136, Environmental Regulation for w orkplace S3
	Manual Handling	Lifting of heavey object could result in Musculoskeletal disorder	Safety	Muscular skeletal diseases, Back injuries, muscle sprains	Provide egonomics aw areness training, correct lifting methods and techniques to be applied, BSO, pre-job briefing, toolbox talk	Site Manager/Supervisor	OSH Act, Ergnomics Regulation
	Moving Machinery	Exposure to moving machineries could lead to Caught betw een structures, entanglement r draw in by machinery or equipment, that w ill result in fatal injuries	Safety	Sever injuries or fatality	Machine guards on equipment. Warning signs are posted. Loose clothing is discouraged w hile on the plant. Aw renessess and induction should be conducted on employees	Site Manager/Supervisor	OHSAct, General Machinery Regulation S5
	Staircases	Ascending and Descending Stairs without adhering to three point contact, could lead to falling that w ill result in serious injuries	Safety	Injuries, Fractures	Communication (hazard aw areness three point contact), notices and signage, Guarding/barriers/rails	Supervisor/Manager	OHS Act, Environmental Regulation ofr w orkplace S9(d)
	Uneven surfaces, gratings, trenches	Slip, trip and fall, falling into an open trench if its not properly closed or defective could lead to injuries	Safety	Fracture, injuries, fatality	Communication (hazard aw areness),Guarding/barriers/rails , Training: General Safety,PPE, Signage and notices	Supervisor/Manager	OHSAct, Environmental Regulation ofr w orkplace S9(d), procedure 32-136
	Falling objects	Exposure to falling object could lead to severe injuries nor fatality	Safety	Injuries	PPE (Helmet), Pre task risk assesment, compliance to safe w orking procedures, On job training and aw areness, Barricading and signage	Supervisor/Manager	Environmental Regulation for w orkplace S6, General Safety Regulation S2B
Testing	Incorrect use of w orking tools	Exposure to Finch points and cuts as w ell as struck by the beam	Safety	Injuries	Use of right tool for the job, Aw areness training, inspection and maintenance of tools, Correct use of PPE	Supervisor/Manager	OHS Act, General Safety Regulation 8,
Lifting & Rigging	Rigging Weights	Improper rigging w ould lead to Load dropping, hoist Collapse and cause injuries	Safety	Fatality and major injuries	Conduct Induction, Site inspections and observations, Use of w ell maintainedand suitable lifting tackle (certified), Training: General Safety, Personal protective , competent rigger	Supervisor/Manager	OHS act, procedure 32-136, Driven Machinery Regulation S18(5),(10e)
Working at heights	Sub standard Scaffolding; sub standard PPE (safety harness); Loose/unsecured material	Falling From heights, Structural Collapse & Exposure to insufficient hooking facility	Safety	Injuries, fatality	Competent personnel in w orking at heights, Fall protection plan developer and rescue technician. Conduct induction, provided Fall protection plan and aw arness, Work at height training, Use of correct fall prevention Equipment (PPE) & Compliance to life saving rules, conduct risk assesment for w orking at heights	Supervisor/Manager	OHS act, Work at height procedure 32-418, OHS Act, General Safety Regulation S6, Construction Regulation S10
Transportation of Weights	Falling load	Improper stacking/securing of loads,uneven loads	Safety	Injuries, fatality	Inspections and observations, Pre task risk assesment, Communication (hazard aw areness), Training: General Safety	Supervisor/Manager	OHS act, procedure 32-136, OHS Act, Driven Machinery Regulation S18(5),(10e), Environmental Regulation for w orkplace S6, General Safety Regulation S2B
Loading & Offloading	Improper stacking and storage, improper lifting equipment , congested working area , unsecured load, heavy loads	Falling loads, back sprains, sw inging loads,	Safety	Injuries, fatality	Training and Aw areness , Site inspections and observations, Safe Work Procedures	Supervisor/Manager	OHS act, procedure 32-136, OHS Act, Driven Machinery Regulation S18(5),(10e), Environmental Regulation for w orkplace S6, General Safety Regulation S2B