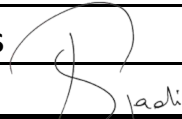
	MEDUPI POWER STATION CONSTRUCTION OF ASH DUMP FACILITY PROJECT SPECIFIC BASELINE RISK ASSESSMENT	Template Identifier	240-73416879	Rev	2
		Document Identifier	240-146140396	Rev	2
		Effective Date	01-Oct-19		
		Review Date	N/A		
MEDUPI POWER STATION IDENTIFIED HAZARDS AND RISK FOR PROJECT BASELINE RISK ASSESSMENT					
LIST OF ACTIVITIES	HAZARD	RISK			
Office Environment: General Adminstrative work; Office Furniture/Equipment	Microwave	Burns or Explosion,			
	Hydro boilers( Contact with steam, hot water)	Slip, Trip & Falls			
	IT cables	Slip, Trip & Falls			
	Slippery Floor/ Uneven Surfaces	Slip, Trip & Falls			
Incompetency while performing activities	Unskilled personnel /untrained workforce	Poor judgement which lead to injuries			
Communication of instructions and messages	Language barrier	Poor information / knowlegde transfer			
Labour and community unrest	Lack of access control	Site Instability, Violence and Property vandalism			
Security / Access Control	Lack of access control processes	Unauthorized entry and delaying access to site			
Transportation	Local taxi association	Denied access to work, Industrial instability and Project delays (work stoppage)			
	Commuting (Pool vehicles;private vehicles;staff buses/mini-buses/taxis)	Motor Vehicle accident (MVA)			
Excavation and trench	Excavations inocrrectly sloped	Sidewall collapse and cave in of excavations			
	Unbarricaded or shored & braced excavations	Employees or visitors can fall into excavations, excvations can collapse, Mobile machinery & vehicles can drive into excvations			
	Proper access and exit not provided for the excavations	Employees are unable to safely exit or enter excavations			
	Dust	Inhalation of dust			
	Excavations insufficiently barricaded	Employees & mobile machinery & plant may fall or drive into ineffectively barricaded excavations; Poorly visible during shifts			
Delivery & Offloading Liners from the Truck	Delivery trucks not escorted to site	Delivery vehicles can cause collisions with other mobile machinery, plant and vehicles			
	Employees standing in close proximity to the offloading activity	Employees can be struck by the forklift used to offload rolls of liners			
	Materials being delivered are unsafely stacked & secured on delibery trucks	Materials can roll off the delivery truck once off-loading commences in an uncontrolled manner			
Supervision of construction of Buildings, Structures, and Roads	Excavations & Trenches	Collapse of excavation (Engulfment)			
		Contact with underground services (electrocution/water leak-floods)			
		Access and egress			
		Ingress of material			
		Ingress of water			
		Person(s) falling into			
Supervision of concrete works	Sealing concrete/ curling	Sprayed sealing compound.			
	Pumping Concrete, concrete pouring pipe, chute, dried up mortar	Concrete splashing from the end hose, and direct contact body parts with wet concrete,			
Movement of Mobile Construction Equipment, Plant and Vehicles	Mobile Construction Equipment, Plant and Vehicles	Pedestrian accidents/incidents			

		Vehicle driving into the structure
		Construction Vehicles Collision
		Deviating from designated routes
		Mechanical Failure/ poor maintenace
		Driver incompetency
		Poor road conditions
		Fire
		Falling objects
Project management and supervision of blasting operations	Blasting	Misfiring
		Explosion
		Flying rocks
		Storage, Transportation & Handling of Explosives
Use of Hazardous Chemical Substances	Hazardous Chemical Substances <i>(refer to the Health Risk Assessment Report for the nature of chemicals)</i>	Fire/Explosions
		Burns
Pedestrains walking onsite	Pedestrains	Struck by vehicles
		Slip, Trip and Falls
		Adjacent Works
		Struck by falling objects
		Unauthorised access/areas
Housekeeping	Poor housekeeping	Slip, Trip and Falls
		Fire
		Falling objects
		Obstructed emergency routes/walk-ways
Manual handling	Sharp Edges	Cuts
	Heavy materials	Muscle and Bones strains (Hands and spinal)
Use of tools and Equipment (Electrical, Pneumatic and Hydraulic Power Tools)	Tools and Equipment	Unguarded moving parts
		Electric Shock
		Loose Clothing
		Incorrect storage (grinder wheels/disc)
		Use of incorrect tools (Grinder disc)
Driving, Grinding, Jack Hammering and Hand Drilling	Poor ergonomically designed work station	Musculoskeletal Disoders (MSDs)
Project management and supervision of cement works: mixing and cement breakage activities	Skin and eyes irritation	Skin Dermatitis and Temporary Blindness
Driving, Grinding, Jack Hammering and Hand Drilling	Segmental and Whole Body Vibration	Vibration White Finger (VWF), Hand Arm Vibration Syndrome (HAVS) and Whole Body Vibration
All Site Activities (Site & Office Environment)	Fly Ash dust	Hypersensitivity/irritation - Upper Tract Respiratory Problems (UTRP)
	Wild Animals (Snakes)	Viral infections, anaphylactic shock

Compiled By: Mapitsi Tladi

Senior Advisor OHS

Signature:  Date: 2025-01-28

Approved By: Tendani Mukhuba

Occupational Hygiene and Safety Manager

Signature:  Date: 2025-01-28