

	SCOPE OF WORK	Generation Kriel Power Station
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Title: KRIEL POWER STATION:
**INDUSTRIAL STATION CLEANING
 OF OUTSIDE PLANT AREAS
 INCLUDING OUTAGES**

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Area of Applicability: OPERATING AND OUTAGES

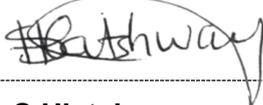
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1. Introduction

Kriel Power Station intends to enter a contract with a suitably qualified, experienced and established contractor with the capacity to execute the scope of work as listed below for a period of five years (60 months). It is important to note that the contractor must have an auditable track record in the field of providing similar services in the industrial cleaning environment.

2. Supporting Clauses

N/A

2.1 Scope

The scope covers industrial station cleaning on the outside plant including work at height on units (Boiler and Turbine Plant) at Kriel Power station. The purpose of the document is to provide detailed understanding of cleaning outside plant areas that's need to be cleaned.

This document is intended to be the input to the NEC Part 3: Scope of Work.

• GENERAL DESCRIPTION

Site establishment, planning, design, supervision, and execution of industrial cleaning of production plant at Kriel Power Station. Furnishing of all materials, equipment, tools, consumables, labour, chemicals and each expense necessary for the execution of industrial cleaning.

Provision of plant and services as may be necessary such as supply, erect, etc. of all mechanical structural, moving and other equipment to provide a complete service in terms of this scope of work.

In general, the applied cleaning methods should utilize mechanised cleaning machinery or vacuum plant, or equipment. To minimise dust in the plant manual cleaning methods such as dusting should be minimised at all costs only in those areas where use of mechanised cleaning machinery or vacuum plant, or equipment is not viable, can manually cleaning methods or water wash be applied. Cleaning plant / equipment must be highly reliable, robust, self-sustaining and not be dependent on prolonged recharging of its power sources.

-Contractor must be able to supply sufficient work force and resources to ensure full execution of the scope including semi-skilled workers (cleaners), Management staff, (site manager, senior supervisors, shift supervisor, safety officers), machines operators/drivers on 24 hours coverage.

NOTE: Eskom Kriel Power Station is a national key point, and all employees should pose a security clearance certificate. Eskom may at any time require recent security clearance certificate.

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- **Floor washing, scrubbing, and sweeping equipment.**

In house floors where accessible to be swept and scrubbed with mobile floor sweepers and scrubbers, inaccessible areas must be cleaned manually with manual tools and the dirt from these areas to be swept into the sweepers pathway and be removed immediately. **No piling is allowed.**

- **Basement floors washers.**

Given the amount of dirt that settles on these floors, Basement floors at 0ml may be water washed, using water hoses and industrial floor washing machines. Water hoses may only be connected to water points provided for floor washing. Should floor washing water be unavailable, alternatively sluice pumps water points connection may be utilised. Cleaning contractor is responsible for the provision of the hoses and the contractor may bring their own water storage tanks/containers like Jojo tanks for easy connections and accessibility.

NB. NO FIRE HYDRANT WATER TO BE USED FOR PLANT CLEANING OR WASHING WITHOUT PERMISSION / AUTHORISATION FROM FIRE RISK DEPARTMENT.

NB: Document unique identifier RSR0197 form obtained from fire department to be used for such requests and authorisation.

2.2 Normative/ Informative References

- **Normative References**

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

[1] ISO 9001:2015 Quality Management Systems

[2] Occupational Health and Safety Act (Osh Act; Act 85 of 93)

- **Informative References**

N/A

2.3 Applicability

This document shall apply to Kriel Power Station, contractor and Operating Support.

The scope will be executed on all Kriel Power Station Premises inside and outside of the Power Station.

2.4 Effective date

This document will be effective from November 2025 or the final signature above.

2.5 Definitions

N/A

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2.6 Abbreviations

ABBREVIATION	DESCRIPTION
SOW	Scope of Work
OSHA	Occupational Safety Health Act
SHEQR	Safety, Health, Environmental, Quality and Risk
PPE	Personal Protective Equipment
PTW	Permit To Work
IWH	Institute for Work at Heights
OEM	Original Equipment Manufacturer

2.7 Roles and Responsibilities

Contractor

- Contractor is responsible for executing the SOW as per task order.
- Ensure that all workers have appropriate P.P.E.
- Ensure all workers are familiar with the risk assessment, safety precautions and hazard.

Operating Support and Outages

- Operating Support and outages departments are responsible for drafting and ensure execution as per SOW.

2.8 Process for Monitoring

- Daily check sheet
- Pre-cleaning survey
- Post cleaning survey/assessments

2.9 Related/Supporting Documents

N/A

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3. Description of services

3.1 GENERAL SCOPE OF WORK (Daily Cleaning)

This description is for the cleaning, planning, site establishment, supervision and provision of industrial cleaning of the following areas for a period of sixty (60) months on twenty-four (24) hours coverage. Work at heights/rope access on specified areas and accredited or certificated with IWH.

This work force arrangement will apply for twenty-four hours a day, seven days a week including weekends and holidays.

DESCRIPTION OF THE *SERVICES* (SCOPE OF WORK)

NOTE: The contractor may at any time be instructed to perform cleaning activities on any areas within Kriel Power station boundaries at no additional costs to Eskom, the same resources must be utilized for additional scope within Kriel Power station boundaries from coal stock yard, Vaalpan dam or ash dams to outside plant and inside (boiler & turbine) plant areas or any area requested by the employer (Eskom). Below scope of work is a guideline for the scope which will be revised at any time as the need or demand of the station arise.

- **COAL STAITHES 1 & 2 INCLUDING 5A-5G CONVEYOR BELTS AND ASSOCIATED ASSEMBLIES.**
- **6A-6G INCLINE CONVEYOR BELTS INCLUDING INCLINE CONVEYOR MAGNETIC CHUTE AREA.**
- **6A-6G COAL BUNKERS AREA & CABINS**
- **UNIT 1-6 , 31ML COAL LUMPS CHUTE/DUMPING AREA**
- **UNIT 1-6 ASH PLANT AREA**
- **UNIT 1-6 MILLING PLANT BASEMENT AREA INCLUDING MILL REJECTS & SLUICE WAYS.**
- **UNIT 1-6 MILL INTERNALS**
- **ASH PUMP BASEMENT AREA INCLUDING ASH LINES PIPE TRENCHES AND SECTION LINES.**
- **UNIT 1-6 PRECIPITATORS, CONVEY LINES & BLOW POTS INCLUDING CLEARING OF DUST HANG UPS INSIDE THE PRECIPS (MACWABER PLANT).**
- **ROADS/ FLOOR CLEANING OF AREAS BETWEEN PRECIPS & BLOW TANKS, BETWEEN PRECIPS ASH PLANT AND THE MILLS USING A ROAD SWEEPER MACHINE.**
- **UNIT 1-6 TRANSFER SILO AREA & BLOW TANKS.**
- **MAIN SILO TOP ASH AND ASH CONDITIONING AREA.**
- **C W PUMP HOUSE (NORTH & SOUTH) INCLUDING SUMPS, VALVE PITS.**

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- **COOLING TOWER SCREENS AREA.**
- **COMPRESSOR HOUSE (BOTH DUST HANDLING & CONTROL AIR).**
- **ALL ROADS AND TRANSFORMER YARDS.**
- **ASH WATER SUPPLY PUMP HOUSE**
- **FUEL OIL PUMP HOUSE (NORTH & SOUTH).**
- **SO₃ ROOMS AND THE OFFLOADING AREA (TWO).**
- **LUBE OIL STORES INCLUDING THE TOPPING UP OF OIL DRUMS.**
- **BULK LUBE OIL PLANT**
- **ALL PARKING AREAS AND ROADS (TARRER, PAVED OR CEMENTED) INCLUDING KWANALA AND UP TO THE END OF THE SPORTS GROUNDS.**
- **REMOVAL OF OIL DRUMS TO MMD OIL STORAGE AREA**
- **UNIT 1-6 MILL DISTRIBUTION DAMPERS.**
- **ALL STATION SWITCHGEAR ROOMS**
- **MAIN STORES AND SURROUNDING (INCLUDING VAN DER MERWE YARD).**
- **HORTICULTURE YARD, OLD SIEMENS YARD AND SURROUNDINGS.**
- **ALL MOBILE BINS, CONCRETE BINS INCLUDING SORTING OUT OF ALL WASTE SKIPS AROUND THE STATION INCLUDING KWANALA.**
- **Vacuuming out of resin FROM the units CPP VESSELS (STATION) and offloading at WTP vessels INCLUDE CLEANING of vacuum truck tanker.**
- **Vacuum cleaning of water plant clarifiers, clarifier sumps, clarifier pipe trenched, north and south clarifiers.**
- **Vacuum Cleaning of water treatment and sewage plant Effluent sumps.**
- **Cleaning of vaalpan oil skimmer/separator plant.**
- **Vacuum cleaning and HP cleaning of vaalpan inlet tunnels, (silt trap) oil skimmer/separator compartments and channels.**
- **WATER TREATMENT PLANT AREAS, AROUND VESSELS, EFFLUENT SUMPS, TANKS, CLARIFIER (DEMIN, PORTABLE, FILTERED) BASEMENT AND SURROUNDING (INSIDE & OUTSIDE).**
- **SERVICE PUMPHOUSE, RAW WATER PUMPHOUSE, MATLA PUMPHOUSE AND SURROUNDING AREA.**
- **LIME PLANT (NORTH & SOUTH), EFFLUENT SUMPS, SLUDGE, TANKS, CW CLARIFIER BASEMENT AND ALL SURROUNDING.**

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- **Cleaning including HP cleaning of ash along the six ash lines from the station (Steinmuller bridge) all the way to the ash dams, ash along overland conveyors (18A/B) from the station (main silo basement) to ash dams/head pulley (slurry plant), including the overland conveyor belt drive house, slurry sump (vacuuming) and AWR sumps, ash on main silo complex ground floor and basement areas, cleaning on filter drains outlets from debris, ash conveying plant and equipment in accordance with OEM manual and ash dam facility at Kriel Power Station.**

Cleaning on Switchgear rooms or Restricted areas

Category 2 Personnel Protective Equipment clothing should be worn when cleaning on switchgear rooms. Supervisors should be authorized in terms of Operating Regulation for High Voltage System for access into switchgear rooms and on Plant safety Regulation.

Note: Eskom will provide arc flash clothing PPE for personnel working in restricted areas.

Work at Height Scope of Work

- ALL WORK ON ELEVATED AREAS SHOULD BE DONE BY TRAINED AND COMPETENT PERSONNEL WITH APPROVED CERTIFICATION E.G. (CERTIFIED BY INSTITUTE FOR WORKING AT HEIGHTS). SAFE WORKING PLATFORM OR SCAFFOLDING MAY BE ERECTED FOR SUCH ACTIVITIES AND THE PLATFORMS SHOULD BE APPROVED WITH GREEN TAG FOR SAFE USE. CONTRACTOR SHOULD COMPLY TO ESKOM LIFESAVING RULES FOR WORKING AT HEIGHT WHICH IS "HOOK-UP AT HEIGHT". Contractor should provide competent personnel for working at height whenever the service is needed. Contractor will perform work at height for all plant areas on outside plant and units.

Contractor and employees should ensure compliance to Eskom life saving rules at all time

Eskom lifesaving rules

- 1. Open, Isolate, Test, Earth, bond and/ or insulate before touch.**
- 2. Hook-up at height**
- 3. Buckle up.**
- 4. Be Sober**
- 5. Ensure you have a Permit to Work.**

NOTE: Pricing for scope of work.

NB: The pricing should make provision or also cater for the following additional payments by the contractor to their employees, or machinery. NO additional payments will be claimed from Eskom:

-Accredited industrial cleaning association, COIDA and department labour minimum wage/hourly rate or above for the contract duration.

-Overtime or additional payments for supervisors on cover cycle for any form of leave. (Appointed shift supervisor should work on cover if one is not available.)

- At least a minimum shift allowance or above minimum as pre-scribed by department of labour for shift workers.

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3.1.1 OPERATING SUPPORT STATION CLEANING SCOPE OF WORK

Price Data (Cleaning Operating Scope)

Item No.	Description	Unit	Qty	Rate (Rands)	Amount (Rands)	
100	PRELIMINARY & GENERAL					
101	Site Establishment	Sum	1			
102	Health & safety /safety File	Annually	5			
103	Medicals and security clearance	Annually	5			
104	PPE including for machinery, e.g HP machine ect	Annually	5			
105	Consumables PPE	Month	60			
106	Transport (shifts and day shifts)	Month	60			
107	Site administration clerk, Operational Cost (Office, printing, Telephone)	Month	60			
108	Site Manager	Monthly	60			
109	Supervisors (Day and Shifts)	Monthly	60			
110	Safety Officers	Month	60			
111	Site De-Establishment	Sum	1			
		SUB TOTAL				
200	CLEANING SERVICES AS PER WORKS INFORMATION AREAS					
201	(Coal Staithes 1) 5A-5D Conveyor belts area, floor around the conveyor belt including underneath the belt and structures including idlers ,water Pipes and fire extinguisher and the walls) .	Monthly	60			

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202	Coal staithe 1 5A-5D Tail-end tension carriage pulley, coal staithes structure and roofs.	Monthly	60		
203	(Coal Staithes 2) 5E-5G Conveyor belts area, floor around the conveyor belt including underneath the belt and structures including idlers, water Pipes and fire extinguisher and the walls).	Monthly	60		
204	Coal Staithe 2 5E-5G Tail-end tension carriage pulley, coal staithes structure and roofs. Coal staithes transformer bundwall areas.	Monthly	60		
205	(Coal Staithe 1)Cleaning of all coal conveyors 5A/6A-5D/6D transfer chutes including sumps areas (4 Sumps 2x3m each).	Monthly	60		
206	(Coal Staithe 2)Cleaning of all coal conveyors 5E/6E-5G/6G transfer chutes including sumps areas (3 Sumps 2x3m each)	Monthly	60		
207	6A-6G Incline coal conveyor belts magnetic chutes area (7 drive houses) including emptying of drums, all pulleys offloading chutes and structures.(Belts assemblies) underneath, Steel stairways, belt structures, Grated floor, idlers, and hand rails.	Monthly	60		
208	Cleaning of storage areas,mill balls, pumpshop, mobile cranes,transport vehicle parking area,civil area.	Monthly	60		
209	Coal bunker area, tripper car and chutes including cabins, hand rails, stairs and surrounding structures. (unit 1 -6 A-G Belts).	Monthly	60		
210	Removal of coal Lumps, stones and bricks at 31ML Bunker damping area (unit 1 -6 /A-G Belts)	Monthly	60		

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211	Unit 1-6 Ash plant floor area in front of all hoppers both rear and front. This includes walk ways to goods lifts including Ash plant 2ML-8ML including stairs and hand rails.	Monthly	60		
212	Unit 1- 6 pipe milling plant, mill rejects sluiceway, floor area, , gearbox area including lube oil system, PA fans including platform aboveground/floor, FD fans lube oil system, motors including platform above the ground.	Monthly	60		
213	Unit 1-6 Mill internal cleaning, mill access door area including mill top(work at height) and raw coal mill inlet ducting from feeder area. Unit 1-6 mill distribution dampers, dry dust/fly ash hoopers stairs to just below 15 ML.	Month	60		
214	Unit 1-6 Ash pump area, basement, blidge pump, from ash pump discharge and ash crushers area.	Month	60		
215	Unit 1-6 Section lines precipis ash lines trenches including section line up to pipe trenches.				
216	Unit 1- 6 pipe trenches, ash spillages & oil leaks next to the road up to steinmuller bridge (along the road).	Monthly	60		
217	Unit 1-6 Macwaber plant between precipis hoppers convey lines, and all roads around ash & dry dust.plant.Precipitator floors; areas between the precipis and the blow pots;Steel stairwells, including control panels, Hand rails .Grated floors.	Month	60		
218	Unit 1-6 blow tanks from top/roof (work at height).to bottom and underneath blow tanks.	Monthly	60		
219	Unit 1-6 precipis roof(work at height). ,DHP & control room/mimic panel roofs including on the transfer silo, main silo's, main stores or any dust pile-up on roofs.	Month	60		
220	Control and mimic panels, Switch and control (orange/grey) boxes, Telephone cubicles, Fire extinguishers, Control room structures and supports.	Monthly	60		

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221	Transfer Silo top/roofs (work at height).on dedusting fan blow tanks top & bottom including buffer air receiver's area.	Month	60		
222	ID fans, motor platform including Steel stairwells and handrails. Grated floors.	Month	60		
223	Unit 1-6 Main silo roof or de-dusting fan area including stairs and handrails to main silo bottom, bathroom roof including 5D/6D coal conveyor roof (work at height).	Month	60		
224	Ash conditioners area including on motor support, gearbox & coupling area stairs. Platforms and rails. main silo transformer bundwall area or any bundwall within work scope.	Month	60		
225	Compressor houses (dry dust)), air receivers, mobile diesel compressors (Inside & outside) including stairs, handrails and oil or diesel spillages.	Month	60		
226	Compressor houses (control air)),air receivers, mobile diesel compressors(inside & outside)including stairs and handrails. Dry dust dust compressor Pressurising fans area including stairs and handrails	Month	60		
227	CW pumps house, Floors, sumps, water spillages and oil spillages including stairs and handrail (all inside on both north & south pumphouse).Floor washing pumphouse, around CW pumphouses, valve pits stairs and handrails .CW pump transformer bundwall.	Month	60		
228	Cooling towers all round including screen areas. Around CW pumphouses, valve pits stairs and handrails Dust bins on both north & south sides.	Month	60		
229	Water treatment plant Floors,vessels,effluent sump, clarifier, (demin,portable,filtered) basement and all round(inside) including stairs and hand rail.	Month	60		
230	Water treatment plant and pipetrenches (outside) Tanks including cable trenches, pipe trenches, pits and	Month	60		

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	bandwalls and coal lab and sand filters area including Demin water tanks.				
231	Service pumphouse,raw water pumphouse, matla pumphouse and pumphouses surrounding areas.	Month	60		
232	Lime plant,(north and south),effluent sump/sludge,Tanks(Lime silo's) including, bandwalls.Floors and basements,CW clarify north and south Tanks including bandwalls.Floors and basements	Month	60		
233	OPS oil store, roof Floors, dip trays, Oil tanks and Oil spillage including topping-up of oil tanks and removing of oil drums to MMD oil storage area. This includes removal of oil drums all around the station to MMD oil storage area.	Month	60		
234	Bulk Lube oil plant, Floors, inside pumphouse, offloading area, bandwalls (80m3/70m3 tanks), Electric motors sump pump area including waste skips around pumphouse, Oil spillage and draining of 1m3 tank behind pumphouse.	Month	60		
235	(North fuel oil)Floors,inside pumphouse, offloading area, oil tanks & pipes,bandwall, sump pump area including skips around pumphouse north Oil spillage & Hand rails.	Month	60		
236	(South fuel oil)Floors,inside pumphouse, offloading area, oil tanks & pipes,bandwall, sump pump area including skips around pumphouse (south) Oil spillage & Hand rails.	Month	60		
237	(AWS)Floors in the pumphouse including the basement and area around the pumphouse.	Month	60		
238	All Station switchgear rooms, horticulture yard, old siemens yard area and surroundings.	Month	60		
239	Housekeeping in and outside the station all round.	Monthly	60		
240	(SO3)North and south sulphur spillages around offloading area, storage tank, sorting out of sulphur drums.	Month	60		
241	Main stores yard, including Van Der Merwe storage the area, Dust	Month	60		

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	bins/skips and Floors.Vacuuming of water.sludge.				
242	Roads and floors cleaning/sweeping using brooms/sweepers inside plant,areas between precipis plant unit 1-6.	Month	60		
243	Road & parking from main entrance gate, WTP, administrations block up to Soweto/secunda building.	Month	60		
244	Cleaning Road & parking from unit 1 - unit 6 (tuck shop/west /turbine side), ERI parking, Outages, transformer yard, south CW, OPS training up to steinmuller bridge.	Month	60		
245	Road & parking from 6A incline conveyor (east side), around procurement building, MMD workshop, MMD offices, transport, mills, main stores etc. up to steinmuller bridge.	Month	60		
246	All parking areas outside the station including, All tarred roads and Outside parking including Kriel surroundings, Kwanala, sports field upto the entrance stop sign at vaalpan road(Terred,paved or cemented).	Month	60		
247	All mobile dustbins (wheely bins), Concrete bins including sorting out of all waste skips around the station including kwanala & Kwanala grounds papers/plastics.(waste) from the station entrance stop sign.	Month	60		
248	Cleaning & vacuuming on station transformers fillets, cleaning transformer bund wall around the station.coal stock yard, or Maturation, Ash dams, Swartpan and Coal Stock Yard. Permit To Work were necessary.	Month	60		
249	Vacuuming / Cleaning of ash spillages on the Vaalpan plant inlet tunnel as per monthly PM.Housekeeping on vaalpan plant area. Vaalpan oil separator/skimmer compartments and channels	Month	60		
250	Cleaning of all station switchgear rooms or restricted areas.	Month	60		
251	Unit 1-6 main ash line from steinmuller bridge to south gate.	Month	60		

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252	Unit 1-6 Main ash line from south gate to mine coal conveyor belts, broken bridge, coal stock yard, roshcon bridge, crossover valves , ash dam 3 or slurry plant.	Month	60		
253	Cleaning on 18A and 18 B Overland conveyer belts structure / idlers, Main silo basement including floor, idlers, pulleys, main silo sump pump area to security fence (spike roller).	Month	60		
254	18A and 18 B Overland conveyer belts structure / idlers from security fence (spike roller) to drive house and head pulley area.	Month	60		
255	18A and 18 B Overland conveyer belts structure on drive house area including pulleys, slurry plant, floor area and idlers.	Month	60		
SUB TOTAL					
300	MACHINERY (Wet rate)	Unit	Qty	Rate (Rands)	Amount (Rands)
301	2 X Bobcats S450 skid-steer with tubeless tyres. (24 hours coverage)	Monthly	60		
302	1 X Diesel vacuum truck (10m3)- (24 hours coverage)	Monthly	60		
303	2 X Coscor tenants S20 Road Sweepers. (Day shift only)	Monthly	60		
SUB TOTAL					

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400	“AS AND WHEN REQUIRED MACHINERY”. The price on machinery should include Operators, spotters or assistants, breakdown, maintenance and diesel (wet rate) or any costs related to the running of the machinery. All machinery will be used daily including nights and weekend or holidays. Machinery, Operators, and related consumables should be available 24hours seven days a week. (N:B, All vacuuming and HP cleaning scope on as and when required will be done with vacuum truck and HP machine under item 302 & 304).				
	Description	Unit	Qty	Rate (Rands)	Amount (Rands)
401	Additional Bobcats S450 skid-steer with tubeless tyres.	Daily (24 hours)	300		
402	Internal vacuuming and cleaning of bulk fuel oil tanks as per attached scope of work Unique Identifier:240-109647530(work at height and on confined space). The costs should include transportation & disposal of waste. Disposal certificate should be submitted to the Contract Manager.	Per Tank	20		
403	Hire of 2 X Jack Hammers and cleaning execution of any plant area affected by hard as required including slurry sump.	Daily (24 hours)	200		
TOTAL Tender Rand Value (excluding VAT & CPA)					

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3.1.2 OUTAGE SCOPE OF WORK “(As and when required basis)”

100	PRELIMINARY & GENERAL	Unit	Quantity	Total
101	Outage Mobilisation	Per Outage	15	
102	Health & Safety File Medicals	Per Outage	15	
103	PPE	Per Outage	15	
104	Employees Police Clearance	Sum	15	
105	Transport (for all employees)	Daily	5920	
106	Consumables	Per Outage	15	
	Sub- Total			
200	NORMAL TIME	Unit	Quantity	Total
201	Supervisors	Hours	37760	
202	Safety officer	Hours	9440	
203	Quality Control Officer	Hours	9440	
204	Planner	Hours	9440	
205	General Workers	Hours	377600	
	Sub- Total			
300	WEEKDAYS AND SATURDAYS OVERTIME			
301	Supervisor	Hours	14160	
302	Site Manager	Hours	3540	
303	Safety officer	Hours	3540	
304	Quality Control Officer	Hours	3540	
305	General Workers	Hours	141600	
	Sub- Total			
400	SUNDAYS AND PUBLIC HOLIDAYS OVERTIME			
401	Supervisor	Hours	6592	
402	Site Manager	Hours	1648	
403	Safety officer	Hours	1648	
404	Quality Control Officer	Hours	1648	
405	General Workers	Hours	65920	
	Sub- Total			
	TOTAL-OUTAGE Excl. Vat			

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Operating Cleaning Personnel / Workers Hourly rates

The Eskom contractor manager will need the following information in case where additional resources are required (manpower) for execution of a scope.

Job Title Description

-Skilled worker- Refers to operators, assistant and drivers.

-Semi-skilled- Refer to general cleaners.

SUPERVISORS, SKILLED AND SEMI-SKILLED HOURLY RATES

Normal Hourly rates

Supervisor (hourly rate) =

Semi-Skilled Workers (hourly rate) =

Weekdays and Saturday hourly rates

Supervisor (hourly rate) =

Skilled Workers (hourly rate) =

Sundays and public holidays hourly rates

Supervisor (hourly rate) =

Semi-Skilled (hourly rate) =

3.2 ADDITIONAL REQUIREMENTS

The supplier must meet the following additional requirements:

The supplier must own the plant / equipment required for the execution of this scope and/or must have a valid lease agreement from the leaser for the duration of the contract NB. Lease agreement must also state the availability of all equipment to be rented. All equipment must be on site readily available before the contract start date and they must be kept on site (at Kriel Power Station) for the duration of the contract. All the equipment used must be maintained in good working order and must conform to statutory requirements.

Contractor must be able to supply sufficient work force, for seven days a week including weekends and holidays.

NB. The Services Manager may request additional work force depending on the need. Number of Supervisor's on site will be determined by the number of people on site as per safety requirements.

- Mobile heavy duty vacuum plant for vacuum cleaning, clearing of coal and ash spillage, emergency removal of fly ash from fabric filter plant emptying of sumps/drains, cleaning of pipe trenches, draining water where needed, etc. Unblocking pipelines and drains, cleaning hard settled ash, and station drains etc.

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- The contractor must have formal appointments as per SHEQ profile including a Quality Controller (QC).
- Contractor must comply with all Regulations applicable to Eskom i.e Fossil Fuel Firing Regulation (FFFR), Operating Regulation for High Voltage System (ORHVS) and Plant Safety Regulations (PSR), to supervise work and for access into all restricted areas contractor must have an authorised Responsible Person (RP) and Authorised Supervisor. Team leaders should be authorised in terms of PSR.
- Contractor must supply material for cleaning including solvent, detergents and degreasers (Suitable for normal and Fuel Oil).
- Contractor to supply lights and additional tools to carry out tasks e.g torches, DC lights, extensions, slings, harnesses etc ..
- Contractor to ensure that all cleaning tools are maintained in good in always working condition e.g PPE, shovels, brooms, feather dusters, Bins, Wheelbarrows, etc... and register of issuing & return must be updated at all time, good housekeeping in the storage area where all tools are kept must be maintained. Arc flash clothing will be provided by Eskom to team leaders for cleaning in switchgear rooms or were necessary.
- Contractor's overalls must be branded with company logo for easy identification.
- Contractor must provide proper PPE for work done on more dusty areas (Respirators & disposable overalls), wet areas (rain suites and gumboots) and hot areas (TST heat resistance suites and boots).
- A fee determined by Finance Department will be charged on the contractor for every contractor's employee lost gate pass permit.
- All equipment's, machinery and tools required carry out all the duties stipulated in the works information must always be available and be kept on site for easy access when needed.
- All equipment brought to site must be registered with Security and nobody is authorised to issue a removal permit for any equipment that has to leave site only the Services Manager or a person delegated by the Services Manager in his/her absence can issue such permit.
- The cleaning contractor must take note that Kriel Power Station has a duty to achieve or sustain position one on housekeeping challenge, thus the reliance will be on the contractor for Kriel Power Station to achieve this.
- The cleaning staff shall at all times be presentable and conduct themselves in accordance with Kriel Power Station accepted practices and comply with all Eskom's Life Saving Rules.
- The contractor must be able to handle and specialise in cleaning oil, ash and coal spillages and they must be registered to transport waste material.

The contractor should always be in possession of oil spill kit when cleaning oil tanks or cleaning minor and major oil spillages containing the following as a minimum:

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-Absorbent materials

Oil booms, Pads, Socks, Booms, Pillow/Cushions, Loose absorbents/granules.

-Personal Protective Equipment's

(a) Protective gloves
(b) Protective overalls
(c) Safety boots
(d) Safety goggles/eyewear
(e) Gum boots
(f) Rain coats
(g) Disposable overalls
(h) Reflectors
(i) Safety harness
(j) Arc flash clothing
(k) Dust Mask
(l) Ear plugs
(m) Hard hats

-Containment and clean-up tools

Sparkproof shovel and broom (plastic materials), Drain covers/plugs.

-Disposal Supplies

Heavy duty disposal bags and ties

3.3 Cleanliness

The objective of the industrial cleaning contract is to achieve and maintain clean and safe plant. The activities indicated in the outside plant cleaning scope are an employer's estimate of activities and time intervals needed to achieve clean plant. It remains the responsibility of the contractor to ensure that these estimates are sufficient and to adjust these estimates whenever necessary and ensure clean plant.

3.4 Amendment of scope of work or schedule

3.3.1 Eskom may at any time amend, alter the scope or extend the service and the contractor shall be obliged to execute such amendments.

3.3.2 Should such variation or amendment result in the contractor incurring additional cost, Eskom shall be obliged to compensate the contractor for the reasonable cost thereof. Should such a variation or amendment have the effect of a cost saving to the contractor. Then the contractor shall be obliged to pass a reasonable part of these costs on to Eskom.

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3.3.3 Should such modification or variation occur, then the modification must be confirmed in writing by Eskom, and the proposed contract be amended accordingly before payment will be affected.

3.5 Industrial cleaning philosophy

3.5.1 Industrial cleaning contractor should utilise mechanical cleaning methods only.

In those areas where mechanized cleaning is not possible or the installed plant and machinery does not allow for these, manual cleaning methods are to be applied. There is a station drive to reduce the consumption of water. In a case when the equipment of the supplier is defective or out of service for whatever reasons, the supplier will be expected to fix the equipment if possible or alternatively provide another one without affecting Eskom daily production.

3.5.2 The contractor should be able to submit a clear cleaning method statement

The method statement should also include the following in detail:

- The number of the people allocated to various plants
- Frequency of cleaning for each area of the plant.
- Industrial cleaning equipment that will be utilised for the areas including portable industrial vacuum plant.
- Quality control plan.
- Strategy for the cleaning of recurring water, dust, coal, ash and PF leaks.

Restricted areas, because of the dangers associated and regulatory requirements, will be cleaned under supervision of authorised persons only.

3.5.3 Due to the following challenges, excessive PF leaks; dry dust leaks; water leaks; oil leaks; ash and coal spillages, the contractor should ensure that such areas are cleaned twice per shift.

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3.6 Plant and equipment philosophy

The contractor should take note that Kriel Power Station will not be supplying the below stated equipment to the project/contract. However, cleanliness cannot be possible without the following machinery:

3.6.1 As part of this philosophy the following types of equipment will be taken into consideration.

Equipment's

- 1 X Diesel Vacuum Truck (10m³)
- 1 X HP Jetting machine (1000-1500bar).
- 2 X Bobcat.
- 2 X Road sweepers
- 1X Portable Submersive pump

Notwithstanding the following philosophies, the contractor *is* encouraged to propose improved methods over and above the indicated equipment philosophies.

Cleaning plant and equipment must be highly reliable, robust self-sustaining and not be dependent on prolonged recharging of its power-resources.

The contractor should take note that Kriel Power Station will not be supplying the below stated tools & consumables to the project/contract. However cleanliness cannot be possible without the following tools:

- Brooms, Mops and feather dusters
- Floor washing hoses pipes and hose Y-splitters/dividers (Blue hoses/Black hoses only). Use of red hoses is strictly prohibited as they are for only fire purpose only.
- Shovels
- Pick axe
- Wheelbarrows
- Safety harnesses
- Disposable overalls
- Confined space lights or torches
- Rubber squeezer
- Personal protective equipment.
- Portable Lights.
- Communication radios.
- Fire hydrant pipes (45mm X 30M HP Pipe (blue/black))
- Fire hydrant pipes (55mm X 30M HP Pipe (blue/black))

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NB: ALL THESE EQUIPMENTS ARE COMPULSORY.

NB: All required equipment shall always be kept on site and must be available 24/7 for the duration of the contract. In case of breakdowns Services Manager must be informed and replacement of such equipment must be arranged by the contractor if the equipment is going to be out of service for a prolonged period. In case of regular/scheduled service and maintenance, contractor must submit a service/maintenance schedule to the Services Manager in time for proper planning of activities. Failure to do so, this may lead to penalties being applied as per the NEC contract.

3.6.2 Consumables

N:B The *contractor* must supply all cleaning equipment, chemicals and consumables, which must be listed. Except as otherwise expressly provided herein, the *contractor* shall supply all labour, supervision, tools, equipment and consumable materials, and each and every item of expense necessary for the Performance of the work, which shall include but not limited to the scope defined in the specification of scope.

3.6.3 Resource requirements

All resource requirements will remain flexible to increase or decrease during the contract period with corresponding rate changes.
The resources shall be controlled by Eskom operating support managers and operating support contract supervisors.

3.6.4 Working hours

Cleaning activities on identified must be for twenty four hours on specified area.
There will be no compensation events.

Shift Workers (Seven days a week)

Morning Shift 07:00-19:00 (12 hours shift).

Night Shift 19:00-07:00 (12 hours shift).

Normal day workers (Monday –Friday)

07:00-16:15 (Monday to Thursday)

11:30-12:30(Lunch time)

07:00-12:30 (Friday)

No overtime or public holidays claims shall be made by the *contractor* or

Paid by Eskom. **Note: Contractor should cater for such costs on the pricing.**

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3.7 WORKS INFORMATION (SPECIFIC SCOPE OF WORK)

The following information and schedules only indicate the Employer's estimate of the cleaning activities and the time intervals to be carried out on the different type and areas of the plant. It remains the contractor's responsibility to ensure that the areas of the plant are kept clean.

MINIMUM INDUSTRIAL CLEANING FREQUENCY

Equipment to be Cleaned	Methods Frequency	Frequency	Remarks
Light fittings	Dust and damp clean	Daily	
Pumps	Water wash and remove oil, sweep and Damp clean.	1 x Daily	Take care when Cleaning Moving/rotating Plant
Gearboxes	Sweep, remove oil and grease Avoid direct water jets	1 x Daily	Take care when cleaning hot surfaces Moving/rotating
Gauges	Damp cloth and dusting	1 x weekly	Water wash and remove oil and
Valves	Water wash and remove oil and Grease, alternatively sweep and Damp clean	1 x weekly	Take care when Cleaning Moving/not on the rotating Plant
Drains	Vacuum clean, pick up all rubbish, Rubble, ash and clean	1 x weekly	
Oil tanks	Sweep, remove oil and grease and Damp clean	1 x weekly	No water or Detergent to Enter the tank
Fire extinguishers, Hydrants and hose Reels	Dust and damp clean	1 x weekly	
Dust bins	Empty into local rubbish container And clean	Daily	
Concrete Floors	Vacuum floor sweeping with Occasional water wash and sweep. Where floor sweepers cannot Access, water wash and sweep	Daily(Twice per shift)	

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Station switchgear rooms floor and closed panels.	Dusting, sweeping and mopping	Daily	
All floors within the scope.	Vacuum floor sweeping	Daily (twice per shift)	
	Occasional water wash and sweep where floor sweepers cannot access, water wash and sweep		
Grated floors	Dust, and pick up all rubbish, Rubble and discards	Daily	
Pedestals	Water wash and scrub Alternatively dust, scrub and clean	Daily	
Ash plant, milling plant, coal plant from coal staithes to bunkers, dry dust plant, fuel oil plant and skips.	Floor washing, vacuum suck and empty, sweeping, dusting and damp cloth. Keep different substances separate and dispose of according to requirement.	Per shift	
Pipe racks	Water wash and vacuum clean	Daily	
Concrete trenches	Sweep and vacuum clean	Weekly	
	Possible, alternatively dig out, HP clean, Sweep, dust and remove rubbish		
Trench grating	Pick up all rubbish, rubble, vacuuming and clean	Daily	
Motor casing	Sweep, damp cloth and clean	Weekly	
Structures	Sweep and clean	Weekly	Wear safety belts where required
Gutters, Structure and roof	Rubbish, rubble discards and clean	Monthly	
Walls	Water wash and scrub, Alternatively sweep, dust, damp Clean and scrub, doors in the plant	1 x weekly	
Concrete stairwells	Sweep and scrub	Daily	
Steel stairwells	Dust, sweep and pick up all rubbish, Rubble and discards	Daily	
Hand rails	Dust and damp clean	Daily	
Plant lube oil Tanks	Dust, sweep and pick up all rubbish, Rubble and discards, clean oil when necessary	1 weekly	Cleaning plant
Roads and parking's	Sweeping and washing.	Daily	

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COAL PLANT			
Coal Staithes 1 & 2			
EQUIPMENT TO BE CLEANED	METHODS	FREQUENCY	REMARKS
Conveyor belts	Sweep and wash using water hose pipe	Daily (per shift)	
Floors	Floor sweeping Floor washing with water hose pipe scraps and paper removal	Daily (per shift)	
Coal spillage	Sweep and dusting Wash using water hose pipe	Daily	
Pipes (fire extinguisher)	Dust Water sprinkle	Daily	
Sumps	As need be vacuum suck empty, Keep different substances Separate and dispose of According to requirements	Daily inspection	

INCLINE CONVEYOR BELTS 6A TO 6G			
Drive House			
EQUIPMENT TO BE CLEANED	METHODS	FREQUENCY	REMARKS
Steel stairwells	Dust, sweep and pick up all rubbish Rubble discards	Daily	
Hand rails	Dust and damp clean	Daily	
Grated floors	Dust and pick up all rubbish and Discards	Daily	
Bunker damping area	Remove stones Sweep floors	Daily	
Coal spillages	Sweep wash using brooms Water hose pipe on 5 belts and 6 belts(when required).	Daily When required	
Hand rails	Dust and damp clean	Daily	
Steel stairwells	Dust, sweep and pick up all rubbish, rubble discards	Daily	
Oil Tanks	Dust using vacuum cleaner or feather dusters	Daily	
Oil spillage	Remove with dryzit Clean using de-bone solution(oil cleaning solution)	Daily Daily When required	

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ASH PLANT			
DRY DUST PLANT		MAIN SILOS	
Place and equipment to be cleaned	Method	Frequency	Comments
Control and mimic panels	Dust, spot clean and dry polish. No water allowed	Daily	
Switch and control boxes	Dust and damp clean, no free water	Daily	
Telephone cubicles	Dust, damp clean and disinfect	Daily	
Fire extinguishers	Dust and clean	Daily	
Dust bins	Empty into local rubbish container and clean	Daily	
Control room structures and supports	Sweep and damp clean	Once a week	
Control room walls outside	Sweep, dust and damp clean	Once a week	
Silo roofs	Sweep, pick up dust and dispose with at ground level. Avoid dust clouds	Daily	
Ash conditioners	Water wash		
Electric motors	Sweep and damp clean using detergent/degreasing fluid, avoid direct water jets	Daily	
Ash tank platform	Dust water wash With water pipe	Daily	
Ash spillage	Sweep and water wash With water pipe	Daily	
Steel stairwells	Dust, sweep and pick up all rubbish, rubble discards	Twice a week	
Hand rails	Dust and damp clean	Daily	
Grated floors	Dust, and pick up all rubbish, rubble and discards	Daily	
Ash pipe trenches (unit 1-6)	Remove ash from the pipe trenches using shovels.	Daily	

TRANSFER SILOS, PRECIPITATORS AND CONTROL ROOMS			
Place and equipment to be cleaned	Method	Frequency	Comments
Silo roofs and blow tanks	Sweep, pick up dust and dispose at ground level. Avoid dust clouds.	Daily	
Steel stairwells	Dust, sweep and pick up all rubbish, rubble discards	Twice a week	
Hand rails	Dust and damp clean	Daily	
Grated floors	Dust, and pick up all rubbish, rubble and discards	Daily	
Precipitator floors; areas between the precips and the blow tanks; road	Floor washing with water hose pipe on the precips floors. Other areas to be swept with the sweeper.	Daily	

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between the precip and the ash plant.			
Ash spillage	Sweep clean with water hose pipe	Daily	

COMPRESSOR HOUSE

Place and equipment to be cleaned	Method	Frequency	Comments
Electric motors	Sweep and damp clean using detergent/degreasing fluid, not cleaning live components	Daily	
Floors	Floor washing Floor sweeping	Daily	

COOLING WATER PLANT

Place and equipment to be cleaned	Method	Frequency	Comments
Cooling towers screen areas.	Washing, Remove rubble	3X Weekly	
CW clarify north and south	Remove rubble ,wash the areas	2 X Weekly	

CW PUMP HOUSE

Place and equipment to be cleaned	Method	Frequency	Comments
Water pumps including sight glasses	Damp cloth	Daily	
Dust bins	Empty bins	Daily	
Floors	Scrab, sweep and wash	Daily	
Hand rails	Sweep and dusting	Daily	

WATER TREATMENT PLANT

Demineralized and CPP Plant

Place and equipment to be cleaned	Method	Frequency	Comments
Floors	Method removal dust, was the floors, Removal of scrap	Daily	

Clarifiers

Place and equipment to be cleaned	Method	Frequency	Comments
Tanks and bund area	Clean with water and remove debris	Weekly	

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Floors	Clean with water and remove debris	Weekly	
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Cable Trenches and Pits			
Place and equipment to be cleaned	Method	Frequency	Comments
Pit floors	Washing and removal of debris	Once a week	

AUXILIARY PLANT			
Oil Stores			
Place and equipment to be cleaned	Method	Frequency	Comments
Floors	Floor sweeping Floor washing using water pipe rinse With rubber squeeze Wipe oil with Dryzit	Daily	
Oil tanks	Dust and wipe with damp cloth using detergent/degreasing fluid.	Daily	
Oil spillage	Wipe with Dryzit Clean using de-bone solution (oil cleaning solution)	Daily	

Bulk Lube Oil Pump House			
Place and equipment to be cleaned	Method	Frequency	Comments
Floors	Sweep and damp clean using detergent/degreasing fluid, avoid direct water jets	Daily	
Electric motors casings	Dust and dap clean using detergent/degreasing fluid	weekly	
Oil spillage	Wipe with Dryzit Clean using de-bone solution	daily	

Bulk Fuel Oil Plant			
Place and equipment to be cleaned	Method	Frequency	Comments
Floors	Floor sweeping Floor washing using water pipe rinse with rubber squeeze Remove oil with Dryzit	Daily	
Oil spillage	Remove with Dryzit Clean using de-bone solution	Daily	
Hand rails	Dust and damp clean	Daily	

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Raw Water Pump House			
Place and equipment to be cleaned	Method	Frequency	Comments
Floors	Floor sweeping Floor washing using water pipe rinse with rubber squeeze wipe oil with dryzit	Twice a week	
Windows	Clean windows with window cleaning equipment	Twice a week	

ALL DUSTBINS			
Place and equipment to be cleaned	Method	Frequency	Comment
All mobile dustbins (Wheel bins) including sorting out of all waste skips.	Empty papers rags food containers and tins Empty flammable waste using mobile dust bins	Daily	

OUTSIDE PLANT			
Place and equipment to be cleaned	Method	Frequency	Comment
All parking areas	Sweep, pick up all rubbish, rubble and discards	Daily	
Outside parking		Daily	
All tarred roads		Daily	

ASW PUMP HOUSE			
Place and equipment to be cleaned	Method	Frequency	Comments
Floors	Sweep and scrub, remove all debris	Weekly	

CLEANING AND REMOVAL OF SPILLAGES			
Place and equipment to be cleaned	Method	Frequency	Comments
Any Spillage	Remove all the spillages	When required	

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SPILLAGES			
Outside Plant			
Place and equipment to be cleaned	Method	Frequency	Comments
Ash spillage	Anywhere in the station	When required	
Oil spillage	The way each spillage needs	When required	
Coal spillage	To be removed	When required	
Dirty oil drums	To be taken to oil stores	When required	
Dams			
Vaalpan	Housekeeping	Monthly	
High Effluent Dam	Housekeeping	When required	
Swartpan Dam	Housekeeping	When required	
Maturation pond	Oil spillage, dirty oil drums, debris	When required	
Coal stock yard dam	Oil spillage, dirty oil drums, debris	When required	
Sewerage Plant	Housekeeping	When required	

MAIN STORES including Van Der Merwe storage area			
Place and equipment to be cleaned	Method	Frequency	Comments
Dust bins	Emptying	Daily	
Floors	Washing	Daily	
Equipment, materials at stores	Dusting	Daily	

3.8 STANDARD SHEQ REQUIREMENTS TO ALL ENTERING AND PERFORMING WORK ON ESKOM HOLDINGS SOC (PTY) LTD PREMISES

SAFETY

- The contractor shall conduct a safety inspection and hold a meeting with all employees at least twice per month.
- The minutes of the meeting must be handed in to Eskom not later than the 4th last working day of the current month.
- The contractor is responsible to ensure the safety of all employees as far as practicable without risk to their health.
- The contractor must provide Eskom with a report of each employee's yearly medical screening not later than end of February of every year.

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- The contractor is responsible to report all safety deficiencies to Eskom immediately for action. The contractor must provide the following personnel within their team: SHE Representative, first aider, Environmental officer, HCS Controller and Incident investigator.
- The site supervisor or safety officer must keep the companies Contractors Safety File updated and hand it in for auditing purposes on a quarterly basis.

Safety Equipment

Appropriate safety equipment such as a self-contained breathing apparatus, life buoys and lifelines shall be made available by the Employer's Representative at a relevant place at the plant, e.g. chlorine house, etc. The Contractor will be responsible for maintenance of this safety equipment. The Employer shall initially provide all exposed moving parts of machinery with safety guards. These guards shall be maintained and repaired by the employer. The Contractor shall train his employees at the plants in the use of safety equipment. No employee shall be allowed to work unaccompanied at and/or on potentially dangerous equipment and areas, e.g. Chlorinating equipment/ house, etc.

The contractor shall hold at least once a month a safety meeting and keep records thereof for perusal by the asset owner as and when required. The meeting will also include a work team discussion and a discussion regarding IBI. The employer will attend the meeting as and when required to ensure effective implementation of the program. Date list to be provided to the employer by the contractor.

- The contractor is required to attend the station's main safety meeting which is held once a month and give feedback as required.
- The minutes of the Safety and work team session meetings must be handed in to Eskom not later than the 1st working day of the next month.

Safety Officer

Develop and Maintain a Safety Risk Programme

Administer the safety incident reporting systems and check that the reporting, recording and investigation systems are in compliance with statutory and all Generation mandatory requirements. Coordinate Safety Training Programme

Implement a marketing programme to create safety awareness amongst all employees.

Perform any other legitimate activity as required.

Provide and conduct inspection on Personal Protective Equipment (Overalls and Hard hats should display Company name as per ESKOM requirements).

Specialised Personal Protective Equipment (P.P.E) such as Safety Harnesses will be provided by the contractor, and the training required utilizing the equipment. Procedures for spillages will be provided before contract award. Personal Protective Equipment (P.P.E) to be provided to all Employees as and when required, damaged Personal Protective Equipment (P.P.E) must be replaced.

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3.9 ENVIRONMENTAL MANAGEMENT SYSTEM

- All service providers appointed to render any services within Eskom Kriel Power Station are required to comply with the station's Environmental Management System requirements.
- NB: Before commencing with any work, the service providers are required to visit the station's environmental section for evaluation. The station's environmental practitioner will evaluate the services to be rendered by the service provider and therefore allocate relevant legal and other requirements documents which the contractor shall comply with during the works. The service provider together with Eskom's Environmental practitioner shall sign in the Environmental Agreement Register to indicate that the agreement is reached.
- The service provider shall then commence with the works but paying inordinate attention towards implementing the relevant legal and other requirements measures as agreed in the register. Failure to comply with this agreement may ultimately lead to the termination of this contract. This requirement shall also be clearly stipulated in the NEC contracts between Eskom Kriel Power Station and any service providers.
- It should always be noted that Kriel Power Station is ISO14001 certified and therefore promotes Integrated Environmental Management (IEM) philosophy which aims to achieve a desirable balance between conservation and development. All activities taking place within Kriel Power Station must consider section 28 of the National Environmental Management Act (107 of 1998) which makes provision for the duty of care approach. The contractor's team must commit to review and to continually improve environmental management, with the objective of improving overall environmental performance. The Contractor must consult with Kriel Environmental section on a regular basis for ongoing assistance and advice.

The 'EMS shall clearly cover the following areas as per ISO 14001.

- Environmental policy
- Environmental legal and other requirements.
- Risk Assessments/Aspects & Impacts Register.
- Improved management of monitoring and measurement documentation (e.g. devices calibration certificates)
- Provision of necessary resources (e.g. computers, adequate human resource) and allocation of roles and responsibility (through clear appointments) to achieve effective implementation of the EMS.
- Continuous commitment towards complying with operational controls such as work

Instructions, operational procedures, etc. (either provided by the Contractor or by Eskom) as well as emergency preparedness and response procedures/plans.

The contractor shall continually evaluate the compliance to legal requirements (e.g. sewage treatment plant permits and other applicable legislation); this should also be documented within the monthly environmental site inspections reports.

- Kriel Power Station's procedure for non-conformity, corrective action and preventive actions shall be followed in case of the environmental incidents.

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- Setting of KPI's and
- Contingency plans.

Environmental Management Programmes

Environmental Management Programmes shall be established and maintained to ensure that objectives and targets are achieved.

- **Audits**

Audits covering various Environmental aspects, Safety, Operational, IBI and Maintenance Management at the plant shall be carried out within an acceptable interval to ensure compliance with statutory requirements and Eskom's policies, Directives, procedures etc.

Handling of waste produced by the Contractor

All waste introduced or produced on the Employer's premises, by the contractor, for this contract, must be handled in accordance with the minimum requirements for the Handling and Disposal of Hazardous Waste in terms of Government Legislation as proclaimed by the Department of Water Affairs and Forestry Act 1994 Ref.:BN0621-162965.

The contractor is responsible to appoint-a waste coordinator to ensure that all waste produced is handled according to the applicable legislation.

The contractor is required to ensure that all goods, services or work supplied in terms of the contract conform to all applicable environmental legislation. Where work is done on the Employer's site, the goods, services or work supplied also conforms to the Employer's environmental specifications.

Waste from the cleaning and maintenance of equipment

The contractor is responsible to contain all waste due to cleaning and maintenance of equipment and disposes of as described below.

Stockpiling of waste

Waste is removed promptly to the designated deposit areas. No stockpiling is permitted.

Appointments

- The Service manager needs to approve all new appointments / persons / interviews of fix term contractors/ temporary contractors/ permanent employees/ site management appointed at Kriel Power Station.

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Hazardous waste

Waste declared as hazardous substances in terms of the Hazardous Substances Act no 15 of 1973 is the responsibility of the Contractor to ensure safe removal from the property to a registered Class 1 site.

Use relevant skips for disposable of any waste:

- White (6m³ open skip) (Wheely bin) – General Compactable Waste (Domestic Waste)
- Blue (6m³ open skip) – Scrap Metal (Ferrous metals only).
- Brown (6m³ open skip) – Building Rubble (Bricks, Building gravel, Broken concrete, etc.)
- Red (6m³ closed skip with lid) – Hazardous Waste (Oily Rags, Empty paint tins, Empty spray cans etc.)
- Green (6m³ closed skip) – Wastepaper only.
- Purple (6m³ closed skip)- Cables Only.
- Yellow (11m³ closed skip)-Asbestos Only.
- Black (6m³ open skip)-Production Waste e.g ash/Coal Waste only.

3.10 QUALITY MANAGEMENT

• Quality management system

The Contractor shall be required to demonstrate by means of a Contract Quality Plan (CQP) that this organisation is so structured that all the requirements of the specification will be properly monitored and controlled. The Contract Quality Plan (CQP), which must include the Quality Control Plan (QCP), is to be drafted in accordance with QM-58 and the Supplier Contract Quality Requirement Specification (QM58). The Quality documents are to be submitted for approval to the Project Manager within thirty (30) days after a contract has been awarded to the Contractor.

No work may commence unless the Contract Quality Plan and Quality Control Plan documents have been approved in writing and a copy submitted to the Project Manager. The Contractor, in conjunction with the Project Manager must sign off all Quality Control documents after completing all work as per the agreed scope. The Contractor to submit a copy of the final signed off documents/data packages to the Project Manager within one (1) week after completion of work.

The Contractor shall be required to read and fully understand the contents of the Supplier Contract.

Quality Requirement Specification (QM58) and a copy are to be kept in possession or on premises.

The Supplier Contract Quality Requirement Specification (QM58) shall remain applicable in the event of the contract being extended or modified for reasons permitted.

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By signature and acceptance of this contract the Contractor acknowledges and agrees to comply with and adhere to Eskom's policies and procedures (current and/or latest revisions) including the Supplier Contract Quality Requirement Specification (QM58).

Contract Quality Management Plan Requirement

The Contractor prepares a contract quality management plan that, where appropriate, indicates the following:

- Indicates the interface with the Contractors quality system and applicable documents such as procedures and work instructions
- Establishes communication channels between the Contractor and the Project Manager in respect of quality and the integration of such with the prescribed contract communication channels
- Indicates how specific subcontractors will be monitored
- Identifies items or activities for which quality control plans will be prepared
- Identifies the specifications, drawings and acceptance criteria for material for which quality control plans are not required
- Identifies the areas or processes requiring special controls
- Identifies the Contractor's Management Representative and personnel responsible for the control of quality activities and their relationship to the Contractor's management structure
- Identifies the documents which are to be submitted to the Project Manager
- Indicates the Contractor's quality monitoring programme

The Contractor periodically updates the contract quality management plan to reflect changes in any of the above details. The frequency of such updates is determined by the Project Manager but will not be greater than one year.

• Quality Control Plan

The Contractor's or Subcontractor's quality control plans cover inspection and test proposals for items or activities to be supplied as part of the works.

The quality control plan indicates the following as appropriate:

- The identification of the item.
- The material.
- A list of the sequence of operations including inspections and tests.
- The identification of the specification, drawings or procedures for each operation.
- The acceptance criteria with reference to the appropriate technical specification, in-house, national or international standard and relevant clause number.

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- The inspections and tests the Contractor has nominated for hold and witness points.
- Provision for inspections and tests nominated by the Project Manager.
- Provision for inspection status indication.
- Inspection and test records which are generated by the Contractor.

The quality control plans are reviewed by the Project Manager to allow for insertion of his specific requirements, including hold and witness points, prior to commencement of work. The Contractor does not commence work until the Project Manager accepts.

4. Document Acceptance

This document has been seen and accepted by:

Name	Designation
S Hlatshwayo	Middle Manager Operating – Kriel Power station
I Mngomezulu	Manager Operating Support – Kriel Power Station
T Sibanda	Middle Manager Outage Management - Kriel Power Station
Justice Leswiswi	Manager Site Outage Execution - Kriel Power Station

5. Revisions

Date	Rev.	Compiler	Remarks
November 2025	04	PN Aphane	Addition of scope (item:251-255)
September 2025	03	PN Aphane	Amendment of the scope
April 2025	02	PN Aphane L Njapha	Addition of outage scope
May 2024	01	PN Aphane	Establishment of new contract

6. Development Team

The following people were involved in the development of this document:

- Landizwe Njapha

7. Acknowledgements

- N/A

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