

Reference	Rev	Page
URS-CMG23-064	0	1 of 7

**ESKOM**

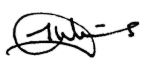
**KOEBERG NUCLEAR POWER STATION**

**User Requirement Specification (URS)**

***PROVISION OF AN INDUSTRIAL CLEANING SERVICE***

***NEW 5 YEAR CONTRACT***

***01 SEPTEMBER 2024 – 31 AUGUST 2029***

<b>PREPARED BY:</b>	<b>L. WILLIAMS</b>		<b>Contract Manager</b>
<b>DATE:</b>	2024-04-04		

Reference	Rev	Page
URS-CMG23-064	0	2 of 7

## TABLE OF CONTENTS

1. DESCRIPTION
2. SCOPE OF WORK
3. CATEGORIES OF LABOUR REQUIRED
4. TIMING AND PLANNING
5. SHIFT REGIME
6. TRAINING
7. ACCESS FORMALITIES
8. EQUIPMENT
9. ESKOM SCOPE OF SUPPLY
10. QUALITY REQUIREMENTS
11. REFERENCES
12. DOCUMENTATION
13. PRICING STRUCTURE
14. APPENDICES

**1. DESCRIPTION**

Provide industrial cleaning services to assist with preparation and execution of all plant cleaning activities for on-line and outage work.

**2. SCOPE OF WORK**

Scope of work will be limited to preparation and execution of all plant cleaning activities in the E&S Cleaning Section. Certain inaccessible areas will require the use of absailers. The service will also require cleaning of the stormwater system with a vacuum truck.

**3. CATEGORIES OF LABOUR REQUIRED**

The *Contractor* will at all times have a minimum of 8 (eight) crews on site for on-line work and a Site Management team, total number required for online work consist of the following:

Item no.	Description	Unit	Quantity	Total
1	Crew (1 Team Leader & 4 Cleaners)	LE	8	40
2	Site Manager	LE	1	1
3	Supervisor	LE	1	1
4	Execution Supervisor	LE	1	1
5	Safety Officer	LE	1	1
6	Admin Clerk	LE	1	1

In the event of an outage, 1 (One) additional team, safety officer and supervisor are required.

The *Contractor* will at all times during the outage have a 9 (nine) crews on site, 5 teams dayshift and 4 teams nightshift.

Item no.	Description	Unit	Quantity	Total
1	Crew (1 Team Leader & 4 Cleaners)	LE	9	45
3	Supervisor	LE	2	2
4	Safety Officer	LE	2	2

*\* The Eskom Project Manager may reduce the number of staff at any time after the completion of the outage maintenance window period.*

Reference	Rev	Page
URS-CMG23-064	0	4 of 7

#### 4. TIMING AND PLANNING

##### On-line

Monday – Thursday  
07h30 – 16h35  
Friday  
07h30 – 13h30 (no lunch break)  
Last Friday in the month  
07h30 – 12h00

##### Outage

Monday – Sunday  
07h00 – 19h00 (day shift)  
19h00 – 07h00 (night shift)

#### 5. SHIFT REGIME

It may be required that shifts be worked and this will be communicated by the Project Manager as applicable.

#### 6. TRAINING

##### 6.1 Technical Training

Confined space training  
Diesel room entry  
Clean condition training  
Technical FME  
Arc Flash training  
Working at height/ Material Handling  
Hazardous chemicals

##### 6.2 Generic training

All staff brought onto site will need to have gone on the following training:

Plant Induction Training (1 day) if required  
Human Performance Training (1 day) if required  
Medical verification ½ day (if required)  
Radiation Workers training (3 days) if required  
Fitness for duty program  
Contractor's Induction Program (1/2 day)

The duration of all courses will vary according to the experience of the individual.

Medical Assessments are to be completed by the Contractor and proof supplied to the Client for verification by the onsite Medical Centre. See Appendix B for requirements.

***NB! The list of names submitted (individuals) shall not be changed during Outage period without the approval of the Eskom Project Manager***

#### 7. ACCESS FORMALITIES

After successful completion of the generic training as stipulated in paragraph 6, each member of the contractor team will be issued with a personal Identification Access Card. Lost or damaged cards will be for the cost of the contractor. Hard hat, safety boots and safety glasses are mandatory safety equipment at Koeberg Nuclear Power Station. The contractor is responsible to supply all his staff with this safety gear prior to the start of the work. Personal protective equipment must comply with SABS standards.

Reference	Rev	Page
URS-CMG23-064	0	5 of 7

## 8. EQUIPMENT

### 8.1 Koeberg equipment

All water and electric power points, excluding extension leads to execute the works.  
Compressed air at 8Bar

### 8.2 Contractor equipment

The Contractor is to supply all cleaning equipment and cleaning agents for the execution of the work.

The Contractor will supply all its employees with the relevant Personal Protective Equipment. All material brought on site shall be in accordance with the Employer's specifications and procedures as detailed in The Scope.

## 9. ESKOM – KOEBERG'S SCOPE OF SUPPLY

### 9.1 Eskom will supply

Full Time Radiation Protection coverage for on-line and outage work in the controlled zone.  
Decontamination Services if required.  
Work authorizations and Permits to commence the work.  
Access to work areas for personnel and equipment.  
Scaffolding

### 9.2 The Contractor will supply

The supply of all materials, cleaning equipment, chemicals, consumables, labour and services for the planning and execution of cleaning activities  
Site establishment, effective resource scheduling and pre-job planning to ensure no delays to the Employer's scheduled maintenance activities  
The provision of a capable site management team, in accordance with the Employer's requirements, including quality assurance, quality control and safety management, and acceptable supervision for the performance of the service  
The Contractor is required to have at least 4 (four) Radiation workers for areas classified as a radiological controlled zone (SEU Plant – Removal/Cleaning of drying beds)

## 10. QUALITY REQUIREMENTS

QA/QC actions and controls may be required for the service as well as a final inspection and test if so requested.

The tasks will be executed in accordance with Eskom procedures.

## 11. LEGAL REQUIREMENTS

All rope access work is to be performed in accordance with SANS 10333-1:2006; SANS 10333-2:2006; SANS 10333-3:2006

## 12. REFERENCES

N/A

Reference	Rev	Page
URS-CMG23-064	0	6 of 7

**13. DOCUMENTATION**

Additional documentation, i.e. Outage schedule, will be supplied to the contractor, as it becomes available.

The Contractors performance will be reviewed monthly via Appendix 2

**14. PRICING STRUCTURE**

The pricing structure will be in accordance with the rates in the contract.

**15. APPENDICES**

Appendix 1 - Medical Requirements

Appendix 2 - Contractor Monthly Performance Review

Reference	Rev	Page
URS-CMG23-064	0	7 of 7

## APPENDIX 1

### MEDICAL REQUIREMENTS

The following will be presented on arrival at KNPS, for perusal and assessment for approval by the Site Occupational Medical Practitioner:

1. Copy of recent (within 6 months of arrival at KNPS) medical examination, **NOT A CERTIFICATE OF FITNESS.**
2. Name, Qualifications and registration number of examining Occupational Medical Practitioner whose credentials should be clearly written on the medical examination form. OMP should be currently registered with his/her country's Medical Council (in the case of non-SA personnel). Medical examination conducted by an Occupational Health Nurse Practitioner is acceptable, but must be verified and signed by the responsible OMP.
3. **Copies of relevant recent special investigations should accompany the medical record.** Eg. Spirogram, audiogram and asbestos chest x-ray.
4. A **valid passport** to be presented as identification on arrival at the Koeberg NPS Medical centre. A South African ID in the case of South African citizens is mandatory.
5. An appropriately completed and signed "Man Job Spec" to be acquired from the Eskom Site Representative and presented on arrival at the Medical centre.
6. Issuing of the Certificate of Fitness to work at Eskom sites is the responsibility of the Eskom Occupational Medical Practitioner

**Without the above said requirements the individuals' application will not be processed.**

## APPENDIX 2

### CONTRACTOR MONTHLY PERFORMANCE REVIEW

CONTRACT NO - TBD

<b>CONTRACTOR</b>		<b>MONTH/YEAR</b>	
<b>COMPILER: SENIOR SUPRVISOR</b>		<b>SIGNATURE</b>	
<b>SITE MANAGER</b>		<b>SIGNATURE</b>	
<b>CONTRACT MANAGER</b>		<b>SIGNATURE</b>	
<b>KEY PERFORMANCE INDICATOR</b>	<b>TARGET</b>		<b>ACTUAL PERFORMANCE</b>
<b>COACHING AND MENTORING</b>			
Observations: Supervisor	8 per month		
Group Observations	Site Manager/Safety Officer - 2 paired observations per month		
<b>WORK MANAGEMENT</b>			
PM Backlog Items	=<5		
PMs in Deep Grace	=<2		
PM Deferrals	0		
Deficient Backlog Items	=<10		
SAP Update Backlog	0		
Notifications >7days	0		
Paperwork > 7 Days	0		
Rework	=>1		
Consumable Availability	=>90%		
<b>HUMAN PERFORMANCE</b>			
Clock Resets	0		
Significant FME Events	0		
Training Tardiness	=>1		



HIGH RISK AREAS CLEANLINESS STANDARD		
Unit 1 Turbine Hall 0m	No significant cleanliness issues highlighted during MPI	
Unit 1 Turbine Hall - 6m	No significant cleanliness issues highlighted during MPI	
Unit 1 Turbine Hall 9.5m	No significant cleanliness issues highlighted during MPI	
Unit 2 Turbine Hall 0m	No significant cleanliness issues highlighted during MPI	
Unit 2 Turbine Hall - 6m	No significant cleanliness issues highlighted during MPI	
Unit 2 Turbine Hall 9.5m	No significant cleanliness issues highlighted during MPI	
Boiler House	No significant cleanliness issues highlighted during MPI	
Unit 1 Electrical Building	No significant cleanliness issues highlighted during MPI	
Unit 2 Electrical Building	No significant cleanliness issues highlighted during MPI	
Unit 1 SEC Pump Station (Train A & B)	No significant cleanliness issues highlighted during MPI	
Unit 2 SEC Pump Station (Train A & B)	No significant cleanliness issues highlighted during MPI	
Unit 1 CRF Pump Station	No significant cleanliness issues highlighted during MPI	
Unit 2 CRF Pump Station	No significant cleanliness issues highlighted during MPI	
1LHQ Diesel Building	No significant cleanliness issues highlighted during MPI	
1LHP Diesel Building	No significant cleanliness issues highlighted during MPI	
2LHQ Diesel Building	No significant cleanliness issues highlighted during MPI	
2LHP Diesel Building	No significant cleanliness issues highlighted during MPI	
9LHS Diesel Building	No significant cleanliness issues highlighted during MPI	

**1. Deviations to KPAs / KPIs**

All KPI targets met.

**2. Noteworthy / Significant Events**

No technical or human performance noteworthy/significant events occurred

**3. Audits, Evaluations and Reviews**

No audits performed or scheduled

**4. Safety**

No first aid, medicals, lost time injuries, near misses or reported damage to equipment for the month.