



FOSKOR (PTY) LIMITED

SCOPE OF REQUIREMENTS

For

Transport and Disposal of Hazardous Waste

(Three Years Contract)

1. INTRODUCTION

Foskor (Pty) Ltd. is an opencast mining and beneficiation operation situated in Phalaborwa. The core business of the Phalaborwa operation is the mining and beneficiation of phosphate rock. (The Foskor operation situated in Richards Bay is primarily a producer of phosphoric acid, phosphate-based fertilizers, and lower volumes of sulphuric acid).

Foskor (Pty) Ltd (Mining Division) is an Open Cast Mine that produces phosphate rock for export or domestic beneficiation. Approximately 2.2 million tons of phosphate rock is produced annually. The product is finely ground apatite mineral from coarsely crystalline calcium-fluoride-phosphate compound of igneous origin. The intermediate and final products are for the domestic and international markets and provide the following advantages:

- Make South Africa self-sufficient from phosphate imports.
- Earn foreign currency from the export of the products.
- Create approximately 2000 direct job opportunities, with associated indirect job opportunities in the Greater Phalaborwa region.

The dominating rock type in the Phalaborwa area, older than 3000 million years, is granite-gneiss of the Archaic Complex. Intrusive in this are younger rock types of the Phalaborwa Igneous Complex. Inclusions of serpentine, talc and amphibole schist are found in the granite-gneiss and igneous rock.

2. BASIC REQUIREMENT

The Hazardous Substances Act (Act 15 of 1973) defines Hazardous Waste as an inorganic or organic element or compound that, because of its toxicological, physical, chemical or persistency properties, may exercise detrimental acute or chronic impacts on human health and the environment. It can be generated from a wide range of commercial, industrial, agricultural, and domestic activities and may take the form of liquid, sludge or solid. These characteristics contribute not only to degree of hazard, are also of great importance in the ultimate choice of a safe and environmentally acceptable method of disposal.

Foskor generates approximately 45 tons of hazardous waste in two months and for compliance purposes the generated waste is required to be disposed of at the authorized landfill site.

The basic requirement for this contract is that the successful bidder/service provider shall collect, transport, and ensure disposal of the Mine generated hazardous waste at an approved authorized waste site **at least every two months**.

The whole required service shall be carried out in accordance with the procedures and requirements as contained in in the Hazardous Substances Act (Act 15 of 1973).

3. MINIMUM REQUIREMENTS

- Must be a registered Hazardous Waste Transporter
- Be able to produce documentation of all transport operators (Training in transportation of hazardous substances) as is required by the applicable legislation.
- A minimum of at least Five (5) years' experience of similar work.
- Valid Letter of Good Standing from any insuring company

4. SCOPE

This scope defines the minimum specifications and requirements for a **Three-years contract** to collect, transport and dispose of the mine generated hazardous chemical substances to the authorised waste disposal site.

Waste streams to be transported and disposed of are as follows: -

- a) Contaminated sand and sawdust
- b) Used/Contaminated Grease
- c) Fluorescent Tubes
- d) Oily Cloths
- e) Oily Filters
- f) Canisters

Certificate of safe disposal for all hazardous waste to be provided to Foskor within seven days from the day of disposal.

NB. Hazardous Waste may only be disposed of at a landfill designed specifically for the disposal of Hazardous Waste and legally authorised by the Competent Authority, in terms of the National Environmental Management; Waste Act, 2008 (Act No. 59 of 2008)

5. BASIC SPECIFICATIONS, REQUIREMENTS AND RESPONSIBILITIES

The successful bidder is responsible to:

- a) Comply with all the specifications and requirements of this document.
- b) Comply to all the requirements of Foskor COP 25, Service Provider Control (Available on request).
- c) Supply and transport to site all labour, skill, expertise, and supervision.
- d) Supply required PPE (Personal Protection Equipment) and safety equipment to safely carry out the required service.

6. LEGISLATIVE- AND REGULATORY REQUIREMENTS

1. The successful or appointed service provider shall comply with:
 - a) The Mines Health and Safety Act with Regulations (Latest revision)
 - b) The National Road Traffic Act with Regulations (Latest revision)
 - c) All applicable national and international legislative requirements and regulations.
2. The successful or appointed service provider shall comply with the latest revisions of the following Foscokor COP's (Compendium of Procedures) (COP's, policies and procedures are available on request):
 - a) COP 17 Mobile, Technical and Process Training
 - b) COP 25 for Service provider Control
 - c) COP 56 for lifting Machinery and Lifting Tackle
 - d) COP 59 for Trackless Mobile Machinery
 - e) COP 96 Working at Heights
 - f) Any other Foscokor safety, health, quality and environmental policies and procedures deemed applicable by a Foscokor representative.
 - g) All other Foscokor procedures and policies applicable to the successful application of this contract.
3. The successful or appointed service provider shall comply with the following Environmental Specifications, Policies and Procedures:
 - a) COP 41 Housekeeping and workplace organisation
 - b) COP 49 Waste Management
 - c) COP 51 Resource conservation, energy, and materials
 - d) COP 70 Storage of petroleum products and other hazardous material
 - e) National Environmental Management Act 107 of 1998 (NEMA)
 - f) National Environmental Management Waste Act 59 of 2008 (NEMWA) as amended.
 - g) The successful service provider shall include in his/her SAFETY FILE, and comply with, the following documents:
 - i. Environmental Aspect and Impact Register (Applicable to this contract).
 - ii. Environmental Objectives and Targets (Applicable to this contract).
 - iii. Waste Management Plan (Applicable to this contract).
 - iv. FOSKOR Atmospheric Emissions License (Copy available on request)
 - v. FOSKOR Waste Management Licence (Copy available on request)
 - vi. FOSKOR Water Use Licence (Copy available on request)
4. The successful or appointed service provider shall ensure that all his/her on-site employees have been authorised by a Foscokor regulation 2.13.1 appointee to:
 - a) Perform job specific *hazard identification and risk assessments* (Foscokor Annexure 1.3)
 - b) Operate trackless mobile machinery service provider employees (Foscokor Annexure 59.7B)
 - c) Work at height (Foscokor Annexure 96.1)
 - d) Any other Foscokor activity requiring authorisation as deemed applicable by a Foscokor representative.

5. Before entering and operating a service vehicle (Own vehicle) on the Foskor site, the appointed service provider shall:
 - a) Ensure that:
 - i. In order to access in restricted areas, his vehicle has been fitted with an "internal safety cell" (ROPS – Roll Over Protection Structure) that has been designed, fabricated, tested and certified to comply with the requirements of ISO 3471:2008 - EARTH-MOVING MACHINERY – ROLL-OVERPROTECTIVE STRUCTURES or similar specification.
ROPS COMPLIANCE CERTIFICATES (Fabrication and Installation) TO PRESENTED DURING VEHICLE INSPECTION (See item 5.b.ii)
 - ii. His driver/s are in possession of a valid national driver's licence for the specific class of vehicle, has been tested by the Foskor mobile equipment training centre and authorised by a Foskor MHSA (Mines Health and Safety Act) regulation 2.13.1 appointee for the class of vehicle to be used on site.
 - iii. His driver/s has been tested by the Foskor mobile equipment training centre and authorised by a Foskor MHSA (Mines Health and Safety Act) regulation 2.13.1 appointee to operate a vehicle in the mine open pits (Restricted or red-flag areas)
(Contact the Foskor mobile equipment training centre on 015 789 2840 to make an appointment for competence testing and authorisations)
 - b) The appointed service provider shall, before entering and operating a vehicle on the Foskor premises:
 - i. Obtain permission from the Foskor Safety & Security manager to operate his nominated service vehicle/s on the Foskor site. (Forms will be provided)
 - ii. Obtain a certificate of fitness from the Foskor Light Vehicle maintenance workshop supervisor or appointed Foskor inspector for his nominated service vehicle/s. Inspections conducted daily between 08:00 and 08:30 and between 13:30 and 14:00 (Excl Fridays) at the Light Vehicle Maintenance workshop.
 - iii. Submit the above permission and COF in at the main security office for issue of a vehicle access disk.
 - c) Ensure that his service vehicles have been inspected (Daily) in accordance with the Foskor standard (COP 59) to ensure that they are safe and fit for use. (Forms will be provided)
 - d) See FOSKOR COP 59, Trackless Mobile Machinery for details.
6. Before entering and operating/working on the Foskor site the appointed service provider shall ensure that his driver/workmen are:
 - a) Briefed on the required task and have been informed of any abnormal conditions/situations.
 - b) Physically, emotionally, and mentally fit to perform their duty.
 - c) Issued with the necessary PPE (Personal Protective Equipment) to safely operate his service vehicles and perform the required services on mine and enroute to the waste disposal sites.
 - d) Before commencement of work:
 - i. All tools and equipment shall have been inspected and tested to be in a good and safe working order.

- ii. All workmen have participated in the completion of a standard Foskop site risk assessment (Commonly known as a HIRA or Hazard Identification and Risk Assessment) and taken appropriate actions to mitigate any identified hazards.
7. Before entering and operating/working on the Foskop site the appointed service provider shall ensure that his portable electrical equipment has been tested and declared safe to use by the Foskop electrical services workshop.
8. Before accessing overhead cranes and/or vehicle post lifts whereupon work is to be conducted, the equipment shall be locked out at the power source. The lock shall be marked and tagged. The tag shall contain the service providers business name, employee name responsible for lock and contact numbers. See Foskop COP 53, Lock-out system, and usage for details.
9. Although every effort has been made to ensure that the information contained within this document is correct, it remains the responsibility of the bidder to verify actual status and site conditions. (A site visit can be arranged)

7. PERMIT TO WORK

Before any on-site work under this contract may commence, the appointed or successful service provider shall obtain from Foskop a PERMIT TO WORK. The following guidelines are provided in order to assist the appointed service provider in obtaining a PERMIT TO WORK. (See Foskop COP 28, Permit to work and COP 25, Service provider control for details):

1. The PERMIT TO WORK can be obtained from- and on completion returned to the Legal Administrator, Foskop Safety department.
2. Obtain a contract or order number from the Foskop procurement department.
3. Provide a name list, including ID numbers, residential and postal addresses, and telephone numbers of all the appointed service providers' on-site employees.
4. All the appointed service providers' on-site employees shall undergo a full medical examination at the Foskop on-site Clinix Clinic. The clinic can be contacted at 015 789 2427 for an appointment.
5. (NOTE: All NEW- and Employees LEAVING the service of the appointed service provider must undergo an entry or exit medical examination)
6. The appointed service providers designated on-site drivers shall receive competence testing and authorisation to operate vehicles on the Foskop site (See item 5 under the heading LEGISLATIVE REQUIREMENTS).
7. All the appointed service providers' employees shall receive/have received training in:
 - a)
 - First aid level 1 (Provide own training)
 - Working at heights (Provide own training)
 - Basic Health & Safety Principles (Provide own training)
 - HIRA (Provide own training)
 - Basic firefighting. (Provide own- or receive Foskop training, contact 015 789 2531 to book)
 - Lock out. (Provide own- or receive Foskop training, contact 015 789 2531 to book)
 - b) All training not provided by Foskop must be verified by the Foskop training superintendent Mr. Johan Fouche. Please contact him on 015 7789 2525 to make an appointment or alternatively email proof

of training and certificates to johanfo@foskor.co.za to confirm compliance before requesting his approval on the PERMIT TO WORK.

8. All the appointed service providers' on-site employees shall receive the basic Foskor site induction training at the Foskor Security office.
9. All the appointed service providers' on-site employees shall receive site specific induction training provided by the Foskor area Regulation 2.6.1 appointee/s.
10. A HIRA (Hazard Identification and Risk Assessment) shall be completed for ALL "typical" tasks that will be completed under this contract. HIRA's to be signed by all service provider employees. Make use of Foskor's own HIRA document, Annexure 1.2, contained in of COP 1, Foskor risk management (Available on request)
11. Attach a detailed SCOPE OF WORK describing the required task and -outcome of this contract.
12. All Foskor's appointed MHSA Regulation 2.9.2, 2.6.1, 2.13.1 and 3.1.a managers must undersign/approve the PERMIT TO WORK.
13. Registration and proof of payment under the Compensation for Occupational Injuries and Diseases Act, no. 130 of 1993. Registration number must be provided.
14. All relevant documentation and/or evidence of compliance must be attached to the PERMIT TO WORK.
15. Upon successful completion and approval of the PERMIT TO WORK the security department will issue the appointed service providers' employees with access ID cards valid for 12 months.
16. Any other documents, certificates or records as requested by a Foskor official deemed necessary to ensure that all safety, legislative and administrative requirements have been met must be attached to the PERMIT TO WORK.
17. The appointed service provider must allow at least three to ten working days to complete all the PERMIT TO WORK requirements.

8. SAFETY FILE

Before any work may commence, the appointed service provider must, IN CONJUNCTION WITH THE FOSKOR SAFETY DEPARTMENT, compile a SAFETY FILE specifically for THIS contract. Contact the area responsible safety representative or attend the monthly service providers meeting every 2nd Monday of the month (3rd Monday if 1st or 2nd Monday a public holiday) at 13:30 in the Foskor Plant Training Hall)

The SAFETY FILE must always be available for inspection by a Foskor official.

9. PRICING SCHEDULE

DESCRIPTION	COST PER KM	ESTIMATED KILIMETRES	TOTAL COST
Transport			
Foskor generates approximately 45 tons of hazardous waste every two (2) months- waste to be removed every two months.			
DESCRIPTION	UNIT COST PER DISPOSAL PER TON		

DESCRIPTION	COST PER KM	ESTIMATED KILIMETRES	TOTAL COST
Contaminated sand			
Sawdust			
Used/Contaminated Grease			
Fluorescent Tubes			
Oily Rags/ Cloths			
Oil Filters			
Canisters			
Sewage Sludge			
Empty chemical/ paint containers			
Contaminated water			
	TOTAL		

10. EVALUATION CRITERIA AND BID ASSESSMENT

As part of the process to assist with the evaluation of the bidder's proposal/quotation and to make an informed decision in the awarding of this contract, the following information is required:


	MEASUREMENT CRITERIA	% WEIGHTING	PROVIDE INFORMATION AND DETAILS (Attach if space insufficient)
1	How many years in business of Hazardous waste transportation? Rating: >10=15%, <10 but >5=10; <5 but >3=05; <3 but >1=3; <1=0	15%	Company profile
Mandatory			
2	Provide copy of Hazardous Waste transporter registration certificate.	20%	Certificate
3	Provide copy of certification for Third Party Transporter Compliance Conformation with H:H Site.	15%	SLA or MOU or any letter confirming the use of the Landfill site
***NB - Failure to provide the mandatory documents will lead to disqualification and your company will not be evaluated further			
4	Copy of manifestos for hazardous waste disposed.	15%	Manifests or Safe disposal certificate
5	List the top five (5) similar/same contracts awarded in past 24 months. Provide the following information/details:	20	Award letters or reference letters
6	Short description of contract type (e.g., rental, full-time, fixed period, etc.)		
7	Address/site of contract		
8	Name and telephone/cell number of client contact person/s.		
9	Detailed description of number and type of vehicles to be allocated to this contract. Provide make, model, and include photo of each.	15%	Photographs of vehicles and license disks
		100	
For the bid to be considered for shortlisting, the bidder needs to score 70% and above and comply to all mandatory requirements			

Compiled by



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TAKE NOTE:

- 1) Any bidder/service provider that fails to comply or to provide/include/supply requested information and/or copies of all requested supporting certificates and documents will result in a reduced evaluation score that could adversely affect the bidder/service providers chance of being awarded this contract/order.
- 2) Any **MANDATORY REQUIREMENT** not met will result in immediate rejection of bid/quotation.
- 3) Any bid/quotation with an evaluation score of less than 80% will not be considered.

TECHNICAL:

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BIDDER: _____

SIGNATURE

DESIGNATION

DATE

COMPANY
STAMP

