

Surveying of Phosphoric acid vessels and tanks

NAME	TITLE	SIGNATURE	DATE
Jeanette Walter	Superintendent Logistics		13/3/24
Musa Xulu	General Manager: Logistics, Shipping & Materials Handling	 12071	20/3/2024

1	Background and Present Situation.....	3
2	Legislation, Standards and Codes of Practice.....	3
3	Foskor Specifications	3
4	Foskor Supplied Services.....	4
5	Scope of Work	5
6	Safety and Quality Assurance.....	7
7	Pricing Structures.....	13

1 Background and Present Situation

Foskor (Pty) Limited exports most of its phosphoric acid produced. All phosphoric acid is loaded at agreed rates, failure of which leads to demurrage on vessels and impacts on the requirements of Foskor's customers as well as the production capacity of our plants.

2 Legislation, Standards and Codes of Practice

Latest revisions or amendments of the listed codes and specification are applicable to this contract:

Number	Title / Description	Revision
	ISO 45001: 2018 - Occupational Health and Safety Management Act	
	ISO 9000 – Quality System Series	
	SABS 1200 (All relevant specifications)	
	Hazardous Chemical Substance Regulation 1995	

All work listed on this scope of work shall be completed in accordance with the specifications and codes as listed above. It is the responsibility of the Tenderer to be in possession of the latest standards and codes as listed above in the execution of this project.

3 Foskor Specifications

Essential criteria:

Number	Title / Description	Revision
	Registration by TNPA to operate within Port of Richards Bay	
	Public Liability Insurance Cover	
	Workman Compensation	

	Submit SOP's for all envisaged operations	
	Induction at TPT Richards Bay	
	Induction at Foskor and compliance with Foskor's PPE and Safety requirements when Tenderer need to enter Foskor's site	

4 **Supplied Services**

It is accepted by Foskor and acknowledged by the contractor, that the contractor is entirely familiar with the characteristics of the cargo, as well as the design and dimensions of all the Foskor Export tanks onsite and the Foskor Port Export tanks. A copy of the MSDS can be supplied.

5 **Scope of Work**

The scope is comprised of four sections as follows:

- Phosphoric acid vessels
- Foskor Export tanks (on Foskor's site)
- Foskor Port tanks
- Foskor tanks dips and temperatures

The splitting of the areas of responsibility is to enable the prospective service provider to provide rates in recognition of differing tank usages and loading requirements.

5.1 **Phosphoric acid vessels**

- To attend on board the vessel berthing, to discuss loading requirements with the vessels staff and to inspect the vessels tanks for cleanliness / suitability to load the required phosphoric acid cargo.
- Monitor loading process to ensure smooth / timeous loading of the cargo.
- On completion of loading, to ullage vessels tanks and compute amount of cargo loaded.
- To supply adequate 500ml sample bottles, to split the composite phosphoric acid samples and to distribute representative samples of cargo loaded to Foskor and the independent laboratory responsible for analysis of the acid.

- To issue survey report and requisite documentation on completion of loading/receipt of shipment density to Phosfert Marine and the Foskor Logistics Superintendent.

5.2 Foskor Export tanks onsite

- To take initial, after desludging, prior to pumping to vessel and final ullages and temperatures of Foskor storage tanks to determine the amount of phosphoric acid pumped from the various tanks, either to vessel or to the Foskor Port tanks.
- Report as part of the ship loading report.
- To ullage Foskor tanks prior to/on completion of loading and/or transfers, weekly and at month ends.

5.3 Foskor Port tanks

- To ullage Foskor Port tanks prior to/on completion of loading and/or transfers, weekly and at month ends.
- Report as part of the ship loading report or acid transfer report.

6. Safety and quality assurance:

- The contractor shall comply with all Foskor's procedures and safety standards as per COP 06.
- The contractor shall fully comply with OHS ACT (Act 85 of 1993)
- All the contractor employees upon entering site must always wear Foskor's minimum required PPE, namely safety glasses, safety harnesses (on heights), acid resistant overalls (clearly marked with their Company logo), safety boots or steel cap gumboots. (an approved gas respirator must always be carried). Should a contractor be found without the above-mentioned safety clothing, or relevant clothing for a specified task or area he will be removed from site and will not be allowed to return?
- The contractor shall provide appropriate safety procedures and written work instructions to the labour force to minimize the risk of injury.
- The contractor shall ensure that all his personnel are safety inducted by Foskor and the Port of Richards Bay before they enter site.

7. Pricing structure

- Cost per ton – phosphoric acid loading survey and report

-
- Cost per attendance – phosphoric acid transfers (plant tanks to shore tanks or vice versa)
 - An alternative pricing option – the contractor is invited to provide a fixed monthly contract fee which if applied will remain constant throughout the contract period, irrespective of the number of vessels loaded or transfers done.