

SCOPE OF WORK

TITLE: Fabrication and Supply of Tailings Pipes

1. Introduction and Background Information

Tailings are pumped from 300ft to TTPS via the 300ft Pump station via 3 400nb pipelines. The material is used to build the Tailings dam using cyclones while the water is reclaimed and reused in the main processing plant. The water is pumped back to the plant using 800NB pipes. These pipes are to be bought to replace the pipes that are worn along the pipeline to the processing plant.

2. Work to be performed by the Contractor

The contractor shall supply all 800nb and 400nb pipes to the tailing section. The contractor shall be required to co-operate and communicate with Foskor representatives.

3. Scope of Work

The contractor, being a specialist in the field of heavy engineering shall supply the following pipes as per list.

SCOPE

The scope consists of supplying pipes with the following specifications including delivery and off loading at dedicated site (RWPS Pipe yard at Tailings):

General Specifications: (As per SABS1123)

Diameter(mm):	400NB
Flanges:	1600/3
PCD:	525
Flange Diameter:	580mm
Diameter of holes:	26mm
Nr& diameter of bolts:	16 x M24
Wall thickness:	6mm
Length:	9.14m
Lining:	8mm Natural black rubber 153

(Including flanges) as per technical specifications

Colour: Admiral Grey.
 All painting over and under coat as per technical specifications
 Quantity – As per table below (Pricing schedule)

Diameter(mm): 400NB
 Flanges: 2500/3
 PCD: 550
 Flange Diameter: 620mm
 Diameter of holes: 33mm
 Nr& diameter of bolts: 16 x M30
 Wall thickness: 6mm
 Length: 9.14m
 Lining: 8mm Natural black rubber 153

(Including flanges) as per technical specifications

Colour: Admiral Grey.
 All painting over and under coat as per technical specifications
 Quantity – As per table below (Pricing schedule)

Diameter(mm): 400NB
 Flanges: 4000/3
 PCD: 585
 Flange Diameter: 660mm
 Diameter of holes: 39mm
 Nr& diameter of bolts: 16 x M36
 Wall thickness: 6mm
 Length: 9.14m
 Lining: 8mm Natural black rubber 153

(Including flanges) as per technical specifications

Colour: Admiral Grey.
 All painting over and under coat as per technical specifications
 Quantity – As per table below (Pricing schedule)

Diameter(mm): 800NB
 Flanges: 1000/3
 PCD: 950
 Wall thickness: 6mm

Holes 24
Length: 9.146m
Lining: 3mm inside.
Natural black rubber 153(Including on the flanges should be 8 mm)
Linacre 40 Rubber
Colour: Brilliant Green (H10) (paint outside)

DESCRIPTION	NATURAL RUBBER-153
COLOUR	BLACK
TENSILE STRENGTH	20 MPa
ELONGATION @ BREAK	600%
SPECIFIC GRAVITY	1.08
HARDNESS SHORE	50°

Delivery Schedule (Must be delivered and invoiced before each date) and BOQ

No	Description of Pipe	UOM	Delivery dates for 2025			Qty	Rate Price	Total Price
1.1	400 NB, PCD 525, Flange 1600/3, 16 Holes	Sum	05/30 (30pipes)	06/10 (30pipes)	06/20 (15pipes)	75	R	R
1.2	400 NB PCD 550, Flange 2500/3, 16 Holes	Sum	05/30 (28pipes)	06/10 (5pipes)	06/20 (5pipes)	38	R	R
1.3	400 NB PCD 585, Flange 4000/3, 16 Holes	Sum	05/30 (10pipes)	06/10 (10pipes)	06/20 (10pipes)	30	R	R
1.4	800 NB, 950 PCD, Flange 1000/3, 24 Holes	Sum	05/30 (10pipes)	06/10 (10pipes)	06/20 (5pipes)	25	R	R
2		Sum						
	Total Project Value (Excl. Vat)						R	

Note:

3. Specification, Codes and Standards

- 3.1. All work done and equipment used in terms of the scope of work shall conform to all applicable international and national standards.
- 3.2. All work done in terms of the scope of work shall conform to the requirements of the Mines Health and Safety Act (No. 29 of 1996, as amended) and the related Regulations, with special reference to the manufacturer/suppliers/contractors' duties.
- 3.3. All work done shall at all times comply with Foskor SHEQ rules, regulations and standards, with special reference to Foskor General Engineering Specifications for Contractors GV-1 latest edition. A copy of this specification is available from Foskor.
- 3.4. Foskor may at its discretion appoint a third-party quality inspector to conduct quality surveillance inspections on components under manufacture. The contractor shall at reasonable request make quality related documentation available and allow the appointed Foskor inspector access to components under manufacture for verification to manufacturing standards and dimensions.
- 3.5. Foskor's appointed inspection authority shall under instruction from Foskor refrain from divulging intellectual knowledge, technical information or details of any manufacturing process used by the manufacturer to any third party.
- 3.6. Applicable Foskor Standards
 - GA-1 Rev.2 - Procedures for Enquiries and Tenders
 - GD-2 Rev.1 - Engineering Change Order Procedures
 - GM-3 Rev.7 - Paint Specifications

4. Conditions of Contract

4.1. Type of Contract

- This will be a fixed priced contract. Any changes in the order details and scope of work must be approved on an Engineering Change Notice/Order before changes are put in place.

4.2. Delays and Determination

- Contractors are required to ensure full understanding of the scope of work, the extent of the work to be done and any instructions given. All clarifications must be done before work starts.
- Any delays caused by omission of the above-mentioned as well as any other delay caused by the contractor will be for the account of the contractor.
- Only delays due to instruction changes from Foskor will be considered.

4.3. Tender Validity

All tender prices shall be valid for a minimum of 180 business days.

4.4. Payments

- Invoices will be based on tender prices and will be payable after on site delivery and acceptance of goods delivered.
- Progress payments will only be payable after at least 50% of work is completed
- All delays must be immediately brought under the attention of the section engineer and the responsible party agreed upon immediately.

5. Additional Boundaries

- Take vigilant of the roaming animals, be wary of any signage about potential animals around the vicinity through tailings communications. All off-loading vehicles must be escorted by the Tailings dam Rehabilitation Team 2.9.2

6. QUALITY

- The service provider must provide the necessary quality management systems and plans to ensure that the quality of his work complies with the requirements of this scope of work
- The service provider shall during all phases of construction comply with the Foskor approved Quality Assurance Plan
- The service provider shall be responsible for all the resources required for executing the Quality Management System including but not limited to, developing the Quality Assurance Plan & performing the Quality Control measures to ensure that the deliverables comply to the specifications & standards mentioned in the scope of work
- Any change requests / additional work resulting due to inadequate quality management system will be to the account of the service provider
- Foskor might appoint a third party for Quality Control Inspections
- The Service provider will have to provide an approved quality system for all work executed.
- This will include the following but is not limited to:
 - Quality plan
 - Quality compliance – Performance and reports
 - Quantity surveying
 - Quality Assurance
 - Quality Authorization matrix – part of the Quality plan
 - Quality control
 - Quality administration. – All documents, checks, measurements, reports, variances, analysis, Corrective actions, etc. need to be properly filed and

available on request at any time. The file will require an index Includes all test work, laboratories, Filing, etc.

Foskor may appoint a third party to measure and control Foskor's interest in the terms of quality in this contract and the service provider is expected to work in conjunction with this company
Hold points will be discussed and finalized with the successful service provider based on the approved Quality plan

WBS is a hierarchical and incremental decomposition of the project into phases, deliverables and work packages. It is a tree structure, which shows a subdivision of effort required to achieve an objective, for example a program, project, and contract. This includes arrangements, tools, equipment labour, Tasks, Purchase, Quality, Communication, etc

TECHNICAL EVALUATION				
FOSPHB-RFP-10-25/26 – tailings fabrication and supply of pipeline				
No	Technical Criteria Description	% Contribution	Proof / documents to be submitted	Notes
1	Company – Experience in Years Previous pipeline fabrication and supply invoices and references (All relevant references of pipeline supply) Scoring: (value) <R99 999.00 0% 100 000.00 – 999 999.00 25% 1 000 000.00 – 1 999 999.00 50% 2 000 000.00 – 4 999 999.00 75% ≥5 000 000 100%	30%	List of previous invoices indicating: -Date of contract award -Client/Customer name -Contract value -Contract reference number - Client's contact number for verification NB: References to be in client's letterhead.	
2	Company – Assets Appropriate and Sufficient assets to fulfil the requirements of fabrication and supply of pipes TMM to transport pipes, sandblasting equipment, autoclave, overhead cranes, office station, etc, in support of contractual work. Scoring: No equipment 0% 1- 2 equipment 15% 3-4 equipment 20% ≥ 5 equipment 100%	30%	List of assets/equipment, with models, year of acquisition related to the requirements of scope with photographic evidence thereof and facilities where fabrication will take place. Proof of purchase or ownership should be provided/ Signed inventory report. NB: A site visit shall take place in confirmation of assets upon shortlisting	

3	<p>Team - Ability to provide teams with skills and experience for fabrication and supply of pipes</p> <p>Scoring:</p> <p>No experience 0%</p> <p>1- 2 experience 25%</p> <p>3-4 experience 50%</p> <p>≥ 5 experience 100%</p>	10%	<p>Provide CV's and qualifications or Trade test certificate for:</p> <ul style="list-style-type: none"> - Fitters and turner, TO experience on fitting and turning - Technician -Quality control personnel - Note reference required for all CV's attached 	
No	Technical Criteria Description	% Contribution	Proof / documents to be submitted	Notes
4	<p>Technical Capability – Fabrication quality inspector documentation</p> <p>Scoring:</p> <p>No Capability/Proof 0%</p> <p>All Proof 100%</p>	20%	Proved copy of previous compiled and signed off quality inspection documentation	
5	<p>Minimum Safety & Compliance Training</p> <p>Scoring:</p> <p>No Comply 0%</p> <p>Comply 100%</p>	10	Provide information of training and appointments, previous appointments also valid, provide proposed service organogram structure using proposed organogram template.	
	Total	100%		
Note: For the bid to be considered the bidder needs to score 70% and above and comply to all mandatory requirements				

6. Site Meeting

No official site meeting will be held. For technical queries or site visits please contact during office hours (7am till 4pm):