

TANK INTERNAL SHOT BLAST AND INTERNAL LINING SCOPE & TECHNICAL EVALUATION
CRITERIA



TRANSNET ENGINEERING

GERMISTON WAGONS MANUFACTURING


**Scope and technical evaluation criteria for internal shotblast
and lining of tankers**

Revision 03

First Issue Date:

29 November 2024

OPS_WAG_GMX_SPEC_061

<p>Document Name: Internal shotblast and internal lining scope of work and technical evaluation criteria</p> <p>Classification: Internal</p> <p>Revision Date: 26 March 2026</p>	<p>Ref: OPS_WAG_GMX_SPEC_061</p> <p>Revision:03</p> <p>Page:1 of 9</p>	 <p>TRANSNET ENGINEERING GERMISTON CONTROLLED COPY Stamped In Red ID No.:2541 SIGNATURE:</p>
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SUMMARY OF REVISION

First issued – 07 November 2024

Document No. OPS_WAG_GMX_SPEC_061

The following revisions have been made in this revision:

Rev	Change	Description
01	Section 4	Mandatory documents to be submitted/returned added
01	Section 6	Quality, Compliance to specification removed from technical evaluation criteria and put under section 5 (Mandatory documents to be submitted/returned)
02	Section 4	Mandatory documents to be submitted/returned added Quality Management System (QMS) as alternative document to be submitted
02	Section 6	Reference letters outlining previous work done changed from “similar scope of work” to “shotblast and painting scope of work”
03	Section 4	Second bullet removed “ Compliance to specification”

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1. PURPOSE AND BACKGROUND:

Transnet Wagons Manufacturing requires the services for internal shotblast and internal lining for rail tank wagons. TE invites proposals from suitably qualified service providers to conduct internal shotblast and internal lining at its Wagons Manufacturing Business in Germiston. This document covers scope of work and technical evaluation criteria for the internal shotblast and internal lining scope of work.


2. SCOPE OF WORK:

The scope of work for internal shotblast and internal lining is detailed in specification PD_PEW_NAT_SPEC_998. All external service providers must read thoroughly scope of work specification before final quotation price is submitted to Transnet.

3. DELIVERABLES:

(a) Service provider must comply to the following critical requirements:

- All prospective tenderers will be required to attend a site compulsory briefing meeting to fully acquaint themselves with all the requirements in the tender.
- Submit an extensive company profile, providing details of similar or associated work done.
- Demonstrate a proven track record curricula vitae of all human resources to be deployed in the project; show clear capacity for delivering adequate services.
- Successful tenderer shall be required to submit to TE all SANAS calibration certificates for the equipment and tools to be used to execute the above scope of work.
- Service provider must have at least minimum of 2 years in execution of internal shotblast and internal lining of components.
- Service provider must have full understanding of internal shot blast and internal lining processes.
- Service provider must be able to commence work at short notice if successful on request by Transnet Engineering.
- Successful tenderer shall be obliged to comply with all TE Safety, Health and Environment (SHE) requirements.


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- Successful tenderer shall be obliged to compile and submit safety file to Transnet Engineering SHE office (risk office) for review and approval. Successful service provider will be able to commence work after the safety file has been approved by Transnet risk office.
- Successful tenderer shall be responsible for the supply of all suitable Personal Protective Equipment (PPE) required and shall provide own working and test equipment.
- Successful appointed service provider will be required to demonstrate in a form of test plate to demonstrate capability to execute work.

(b) Successful service provider will be required to bring but not limited to following tools, equipment and procedures:

- Service provider must bring all resources required to successfully execute internal shotblast and internal lining scope of work.
- All SANAS calibrated gauges including calibration certificates
- Suitable spray guns and spray pumps
- Socks for inspection and for completion on coating
- Ladders and lights both for internal shotblast and internal coating of the wagons
- Vacuum cleaners
- Shot profile gauges
- Humidity temperature gauge
- Elcometer paint thickness gauge
- External extractor fans
- Test records log book/check sheets
- Quality Control Plan (QCP) which must be reviewed and signed off by Transnet Quality representative.
- Service provider must have all required check sheets and be able to complete/record all readings as required by detailed scope of work specification PD_PEW_NAT_SPEC_998.

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Important note: Transnet Engineering will only free issue shotblast grit, paint for lining, supply air at 650kpa. Transnet Engineering will only supply specific quantities of shotblast grit and internal lining paint per tanker. Service provider will be responsible to replace shotblast grit and internal coating paint for any re-works that may occur. Service provider is therefore strongly advised to provide qualified and experienced resources for execution of this scope of work.

4. MANDATORY DOCUMENTS TO BE SUBMITTED/RETURNED

- Quality - Submit valid ISO 9001: 2015 certificate or any Quality Management System (QMS) documentation.

5. PENALTIES:


- Penalties for the late completion of the work will be raised in accordance with Transnet
- Engineering's Service Agreement and Transnet guidelines which will be concluded with the successful tenderer.
- Transnet Engineering reserves the right to cancel the purchase order/agreement with the appointed service provider should the agreed specific goals and deliverables are not delivered on agreed time. **NB:** deliverables to be discussed and agreed with successful appointed service provider.

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6. TECHNICAL EVALUATION CRITERIA:


<p>Detailed methodology (Refer to section 2 and 3)</p>	<p>20%</p>	<ul style="list-style-type: none"> • Clear detailed methodology and approach = this should include Inspection, surface preparation and required documentation = 20% • Approach and methodology defined, but not all requirements are outlined = 15% • No approach or methodology outlined =0%
<p>Reference letters outlining previous work done on shotblast and painting with contacts, company letter heads and endorsed through signatures of the company provided service too. (No computer-generated signatures will be accepted)</p>	<p>10%</p>	<ul style="list-style-type: none"> • 3 contactable relevant references provided on shotblast= 10% • 2 contactable relevant references provided on shotblast =7% • 1 contactable relevant reference provided on shotblast =3% • No contactable relevant references submitted on shotblast =0%
<p>Personnel experience as per the Organogram:</p> <ul style="list-style-type: none"> • Project Manager, • Paint Technicians – certified in paint application. (Carbozinc 11 ZA experience added advantage) • Shot Blast Technicians. <p>Attach CVs and Qualifications relevant to the project). CVs of the personnel submitted to show relevant qualification i.e. shotblast. NB: Qualifications submitted must be for the personnel not the company.</p>	<p>40%</p>	<ul style="list-style-type: none"> • Personnel on the Organogram with 2 to 3 years’ experience with relevant qualifications (experienced in shotblast and name should be on the Organogram) = 40% • Personnel on the Organogram with 1 to 2 years’ experience with relevant qualifications (experienced in shotblast and name should be on the Organogram) = 30% • Personnel on the Organogram with 1 years’ experience with relevant qualifications (experienced in shotblast and name should be on the Organogram) = 20% • All personnel have less than 1 years’ relevant experience =10%

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Lead Time	30%	<ul style="list-style-type: none"> • Completion of one tanker (74M3) internal shotblast and lining equal/ less than 4 days = 30% • Completion of one tanker (74M3) internal shotblast and lining more than 4 days but equal/less than 6 days = 15% • Completion of one tanker (74M3) internal shotblast and lining more than 6 days = 0%
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Threshold: 70%

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