



**PROVISION OF SERVICE FOR LINER REPLACEMENT
AND BODY REPAIRS ON STACKER RE-CLAIMER 1 - 4
INCLINE HEAD, TRIPPER AND CENTRAL CHUTES**

Document Reference Number:

LRBRITCC-29032023

Site:

Bulk Terminal Saldanha

Date: 31 July 2023

Distribution of this document is restricted to Transnet and
Transnet approved entities only

TABLE OF CONTENT

1. DEFINITIONS	3
2. ABBREVIATIONS	5
3. BACKGROUND.....	6
4. SCOPE OF REQUIREMENTS.....	6
5. QUALITY AND SERVICE	8
6. TECHNICAL REQUIREMENTS	8
7. GENERAL SAFETY AND COMPLAINT SPECIFICATIONS	9
8. ANNEXTURE.....	11
8.1 TPT-IMS-SLDT-CL-014-001.1 Contractor COVID 19 SHE File Assessment_Checklist	11
8.2 TPT-IMS-SLDT-GDL-014-001.2 Guide -Contractor COVID 19 Work Plan	11

1. DEFINITIONS

Commissioning:

The process of assuring that all systems and components of a building or industrial plant or product designed, installed, tested, operated, and maintained according to the operational requirements of the owner or final client.

Contract

An agreement with specific terms between two or more parties or entities based on mutual consent, which has legal effects and involves transfer of consideration – usually financial or some other type of benefit.

Contract Manager

Transnet employee who is authorised to represent Transnet in terms of the contract and appointed to supervise and/or liaise with the contractor to ensure that the specifications of the contract met (with special emphasis on technical specifications, inspection of quality, on health and safety, environment and quantity of work). A contract manager has the role of executing the plan to achieve the deliverables. This person receives all his authorisations from the project initiator and the stakeholders.

Contract Owner

The person who requires a specific product, goods or services and who is responsible to provide the budget and approval.

Contractor

An employer (organisation) or a person performing any work and has entered into a legal binding business agreement contract to supply a product or provide services to Transnet. This applies to the Suppliers, Vendors, and Consultants, Service providers and Contractors.

Contractor Execution Plan

A site, activity or project specific documented plan in accordance with the client's project requirements. The Contractor to Transnet submits a plan for approval prior to mobilization on site. The Contractor Execution Plan includes, inter alia: Health and Safety, Environmental, Energy, Quality, Delivery plans etc.

Contractor Compliance File a file or other record containing the information in writing required by Transnet.

NB: A file must be submitted for each discipline where applicable e.g. health and safety, environment file etc.

Job Owner:

Any permanent employee of BTS who been trained, tested and found competent, and appointed in writing for the purpose of carrying out or supervising work on plant, machinery and equipment.

Risk Assessment

A risk assessment in this procedure means the process where all risks associated with the contract and its execution identified, mitigated and managed.

Specification

A detailed prescription of the Integrated Management System (IMS) requirements to which equipment, construction, product or service has to comply with this includes various models, drawings and documents. It noted that the specification might even comprise of a multitude of different elements.

Lockout:

The fitting of a padlock (or calliper and padlocks) to an isolator switch so that it cannot be returned to an operating condition.

Permit Acceptor:

Any person who has been appointed in writing to receive a Permit to Work for the purposes of carrying out or supervising work on equipment.

Permit Issuer:

The operations shift manager will be responsible for the issuing of permits.

Permit Number:

A number issued by CCR that logs the work performed, the person responsible for the work and the approximate duration. Note: This is not the same as the sequential number on the Permit to Work.

Permit to Work:

A written document indicating the equipment to work on, the potential hazards, how and where these hazards negated, signatures indicating that equipment is safe and the names of all persons working on the equipment.

Responsible Supervisor:

The Operations and Maintenance Supervisor who been assigned responsibility for the operation and maintenance of a particular section/s of the plant.

2. ABBREVIATIONS

IMS:	Integrated Management System
ISO:	International Organization for Standardization
OHSAS:	Occupational Health and Safety Assessment Series
POM:	Policy Manual
PROC:	Procedure
SOP:	Safe Operating Procedure
QMS:	Quality Management System
SANS:	South African National Standard
SMS:	Safety Management System / Service Management System
TCC:	Transnet Corporate Centre which is the Transnet Head Office
SLD:	Saldanha
TPT:	Transnet Port Terminals
WI:	Work Instructions
SR:	Stacker Reclaimer
QA:	Quality Assurance
QCP:	Quality control plan
BW:	Bucket wheel
AWS D 1.1:	Structural Welding Code

3. BACKGROUND

TPT require the services of a service provider with the knowledge and capabilities to replace Liners and perform chute repairs at Stacker Re-claimer 1 to 4 Incline head, Tripper and central chutes during **the 2023 annual shutdown. Provisional dates: (September – October 2023)**. The shutdown dates and times will be communicated to the service provider in advance by the TPT technical supervisor/planner.

4. SCOPE OF REQUIREMENTS

- 4.1 The service provider shall have at least one (1) site briefing to familiarise him/her with the equipment and work area before the submission of quotation.
- 4.2 Upon award of the purchase order, the service provider shall provide TPT with a QCP with holding points for the task for approval. No work will commence without an approved method statement and QCP. TPT QA officer to inspect the job during process and on completion.
- 4.3 The service provider shall return and renew all the chutes to its original state. (this includes repairs to chute body and structure, including chute inspection doors and hinges.
- 4.4 TPT technical supervisor will identify areas to be repaired with the service provider during the site briefing.
- 4.5 The service provider to remove all liners and replace all liners with new ones (a lip order list will be supplied to the service provider upon award of PO to identify the liners and their location in the chute)
- 4.6 The work will be done on day and night shifts over a period of 5 days on each Stacker Reclaimer. The service provider is to allocate two teams for the duration of the shutdown to ensure work is done continuously on a 24/7 basis.
- 4.7 A team will comprise of the following skills for each 12 hour shift to execute work on each Stacker Reclaimer:

Chute	Trade	Quantity
Central chute and Boom to yard chute	Artisans (Boilermaker / Welder)	2
	Semi-skilled worker	3
Tripper head chute and Incline tail chute	Artisans (Boilermaker / Welder)	1
	Semi-skilled worker	2
Incline Head chute and Boom receiving chute	Artisans (Boilermaker / Welder)	1
	Semi-skilled worker	2
	Mechanical Supervisor	1

- 4.8 The following Stacker Re-claimer chutes to be worked on;
 - a. Incline Head Chute - Consisting of 56 liners per SR for SR 1 to 3
 - b. Tripper head – Consisting of 30 liners per SR for SR 1 to 3
 - c. Boom Receiving Chute - Consisting of 31 liners per SR for SR 1 to 3
 - d. Central Chute – Upper Portion - Consisting of 80 liners per SR for SR 1 to 3

- e. Central Chute – Pipe Section - Consisting of 40 liners per SR for SR 1 to 3
 - f. Boom to Yard Chute - Consisting of 33 liners per SR for SR 1 to 3
- 4.9 The following Stacker Re-claimer 4 chutes to be worked on;
 - a. Incline Head Chute - Consisting of 48 liners
 - b. Tripper Head – consisting of 40 liners
 - c. Boom Receiving Chute – Consisting of 92 liners
 - d. Central Chute – Upper Portion (square to round section) – consisting of 60 liners
 - e. Central Chute – Pipe Section – consisting of 80 liners
 - f. Central Chute – Lower Section - consisting of 30 liners
 - g. Boom to Yard Chute - Consisting of 62 liners
- 4.10 If there is wear on the liner shelves, the service provider will perform the repairs thereof
- 4.11 TPT will supply the new liners, the nuts and bolts
- 4.12 For liners that needs studs, the contractor are responsible for the welding thereof. (studs to be cut from the bolts or threaded rod that will be supplied by TPT)
- 4.13 The service provider needs to use own cutting equipment to remove the bolts and nuts on the liners.
- 4.14 The service provider to discard of old liners into scrap bins provided by TPT
- 4.15 The service provider shall be responsible for the cleaning of the chutes and the working area.
- 4.16 The service provider to provide all consumables and make use of their own safety harnesses, PPE and tools.
- 4.17 If any wear (holes, patches, cracks, etc.) is visible on the chutes or bucket wheel, the service provider shall repair those, prior to fitting the liners.
- 4.18 Damaged areas to be cut out and repaired by means of inserts. (no patches).
- 4.19 Repaired surfaces to be ground down to surface level on both sides of the repair
- 4.20 The service provider to quote on five (5) plates of 2400mm x 1200mm x 8mm (Grade 350WA) or equivalent grade steel for the above structural repairs. TPT will supply extra material, if more material is needed. Material not used must be returned to TPT.
- 4.21 TPT will be responsible to supply scaffolding if needed.
- 4.22 Where chute body repairs were done, the service provider will paint the repaired area to prevent rust – paint (ns4 primer) and paintbrushes will be supplied by TPT.
- 4.23 The painting to be done as per TPT Corrosion Protection Specification SBH 9/2/8 Version 20
- 4.24 The service provider shall ensure that all welding is conducted according to AWS D 1.1, all welders and welding procedures must comply to AWS D 1.1.
- 4.25 The service provider must have a risk assessment and a method statement present during the duration of the work and hand a copy thereof to TPT.
- 4.26 The service provider shall submit certification for all material and consumables used.
- 4.27 Upon award of the purchase order, the service provider shall submit certified copies of the Boilermakers and / or Welders qualification who will perform the work
- 4.28 Lead-time to perform the requested service for each Stacker Reclaimer is to be 5 days within the 2023 annual shutdown.

5. QUALITY AND SERVICE

- 5.1 All services supplied and delivered to Transnet must be of excellent quality in compliance with the specifications. Should the goods or service(s) not conform with the specifications, Transnet reserves the right to reject them, obtain the goods or service(s) from other sources of its free choice and debit the difference in cost, if any, to the Service Provider.
- 5.2 The service provider shall be fully responsible to Transnet for the acts and omissions of persons directly or indirectly employed by them.
- 5.3 The service provider must have roadworthy and licensed vehicles.
- 5.4 The service provider must have a permanently manned telephone (place of business/cell phone) and email access, to ensure that immediate contact can be made in case of an emergency.
- 5.5 Upon award of the purchase order, the service provider shall submit certified copies of the Boilermakers and / or Welders qualification who will perform the work.

6. TECHNICAL REQUIREMENTS

Service Providers evaluated according to the following criteria:

Technical Criteria	Weightings
<u>Experience</u> The Service Provider shall have a proven track record in executing structural engineering refurbishment work or similar in the last 3 (Three) years.	<ul style="list-style-type: none">• 20 points = Two (2) written references issued by respondent's clients (different clients) submitted.• 10 points = One (1) written reference issued by respondent's client submitted.• 0 points = No reference submitted
Supporting documents – Two (2) written references issued by the respondent's clients, which shall be used to verify the respondent's past performance. Kindly note that the references must specifically set out whether the service provider is experienced in the capacities as set out above.	

<p><u>Qualifications - Supervisors:</u> The Service Provider must have two (2) experienced and qualified Supervisors with five (5) years cumulative experience in supervising structural refurbishment in a heavy industry environment Supporting documents – Comprehensive CV including qualifications and valid trade test certificates (red seal) of experienced Boilermakers/Welders</p>	<ul style="list-style-type: none"> • 30 points = Two (2) Comprehensive CVs including qualifications and valid trade test certificates (red seal) of Boilermaker/Welder with five (5) years cumulative experience in overseeing structural repairs/refurbishments. • 0 points = Comprehensive CVs including qualifications and valid trade test certificates (red seal) of Boilermaker/Welder with less than five (5) years cumulative experience in overseeing structural repairs/refurbishments /No CVs and qualifications submitted.
<p><u>Qualifications - Artisans:</u> The Service Provider must have eight (8) qualified experienced and Boilermakers/Welders with three (3) years cumulative experience in executing structural repairs/refurbishments. Supporting documents – Comprehensive CV including qualifications and valid trade test certificates (red seal) of experienced Boilermakers/Welders</p>	<ul style="list-style-type: none"> • 30 points = Eight (8) Comprehensive CVs submitted which includes qualifications and valid trade test certificates (red seal) of Boilermakers/Welders with three (3) years cumulative experience in executing structural repairs/refurbishments. • 0 points = Less than three (3) Comprehensive CVs submitted which includes qualifications and certificates of Boilermakers/Welders with three (3) years cumulative experience in executing structural repairs/refurbishments/No CVs submitted
<p><u>Lead time</u> The Service provider shall complete the works in less than five (5) calendar days for each Stacker/Reclaimer upon receipt of notification Supporting documents – Written confirmation on a company letterhead for the time required to complete the works per Stacker/Reclaimer.</p>	<ul style="list-style-type: none"> • 10 points = Written confirmation submitted stipulating a lead time of less than five (5) calendar days required to complete the works for each Stacker Reclaimer. • 5 points = Written confirmation submitted stipulating a lead time of five (5) calendar days required to complete the works for each Stacker Reclaimer. • 0 points = Written confirmation submitted stipulating a lead time of more than five (5) calendar days required to complete the works for each Stacker Reclaimer/No confirmation submitted

<p><u>Guarantee/Warranty</u></p> <p>Service Provider to provide a twelve (12) months and more, guarantee/warranty for the workmanship & components.</p> <p>Supporting document - Written confirmation stipulating guarantee/warranty period.</p>	<ul style="list-style-type: none"> • 10 points = Guarantee/warranty submitted of twelve (12) months and more. • 5 points = Guarantee/warranty submitted of twelve (12) months • 0 points = Guarantee/warranty submitted of less than twelve (12) months/No guarantee/warranty submitted
--	---

The minimum qualifying score required is 75 out of 100

7. GENERAL SAFETY AND COMPLAINTS SPECIFICATIONS

- The Contractor must submit a detailed Contractor Execution Plan (CEP) to the Contractor Manager for approval as per **TRN-IMS-GRP-GDL 014.5 Contractor Execution Plan minimum requirements**.
- Contractor must submit **TRN-IMS-GRP-TMP 014.3 Employee Personal Profile Dossier** to contractor Manager for approval before induction training confirmed. Approved Employee Profile Dossiers includes certified copies of medicals, identity documents, competencies etc. submitted via email correspondence to **TPTSLD-Induction-booking@transnet.net**.
- Contractor Compliance SHE File within accordance with File Contractor Compliance File **Approval COVID 19 Checklist TPT-IMS-SLDT-CL-014-001.1 & TRN-IMS-GRP-TMP-014.11** and in line with relevant applicable specifications as per respective **TRN-IMS-GRP-GDL 014.2 Contractor Specification Guidelines, TRN-IMS-GRP-GDL 014.4 Contractor Environmental and Sustainable Specification Guideline, TRN-IMS-GRP-GDL 014.6 Contractor Quality Specification Guideline and TRN-IMS-GRP-GDL 014.5 Contractor Security Specification Guidelines**
- Principle contractor approve **Mandatory Agreement** in terms of **section 37(2) TRN-IMS-GRP-TMP-014.1** of the Occupational Health and Safety Act (OHS Act) and submit to Contractor Manager to agree.
- The Principle Contractor must **submit written request** to the Contractor Manager for permission for sub-contract to provide any work or services to TPT and ensure that all **37.2 Agreement between Principle contractor and Sub Contractor** submitted to Contractor Manager.
- Contractor must **submit** completed **SHE File Electronic** to Contractor Manager for approval.
- Contractor undergoes induction training prior to handing over the site to the Contractor as **TRN-IMS-GRP-GDL 014.6 Contractor Induction Minimum Requirements**.
- **SITE ESTABLISHMENT:**
- All relevant permits and authorisations is as per **TRN-IMS-GRP-TMP 014.7 List**

of Legal Permits and Authorisations shared and completed prior to site access. **Contractor appointed** within accordance with **TRN-IMS-GRP-TMP-001.1** prior to site access by TPT.

- Contractor Manager will conduct **TRN-IMS GRP TMP 014.8 Pre-site handover inspection** prior to Site Access granted with Service Provider.
- **No work will commence with approved TRN-IMS-GRP-TMP-014.10 Operational Safe Work Permit** issue to the contractor by Contractor Manager.
- CLOSE OUT PHASE
Contractor Manager and the Contractor must co-sign the **TRN-IMS-GRP-TMP-014.13 Final Handover and Closeout Inspection Checklist**.
- TESTING AND COMMISSIONING:
The Contractor Manager will **develop a test and commissioning plan of the project** and communicate it to the contractor.
- The service provider will be responsible for obtaining Hot work permit from TNPA (phone no: 022 703 4331) within conjunction with Fire Safety Management Manual GRM/SHEQ/MAN 001.
- The service provider must have a Fire watch on duty during Hot Work and a Fire extinguisher as per required within Fire Safety Management Manual GRM/SHEQ/MAN 001.
- Service provider will ensure compliance to **TPT SLDT SHEQ-RS PRO 021_Lock Out Procedure** and lock out and isolation done by Trained and competent employees with conjunction with TPT competent.
- Service provider shall implement and maintain applicable Health, Safety, Quality and Environmental regulations and other relevant standards and regulation, example: applicable SANS codes; OHS Act of 1993 , other legislation, ISO 9001, ISO 14001 and ISO 45001, etc.
- Service provider to ensure that all employees involved in activity is informed of the Hazards and risk they exposed to and all other relevant applicable Safety Work Procedures, Fall protections Plans, Environmental Plans, Emergency Plans and any other relevant procedures, etc. proof to be submitted as part of the SHE File.
- Service Provider will ensure that On the Job HIRAS is completed prior to start of activity to ensure that any additional Risks been identified.
- Service provider must ensure that when required to off-load or load any heavy equipment and machinery on the plant that they comply with that equipment or machinery will not be physically operated by an employee when required to off-loaded or load from any flatbed or low bed.
- Principle Contractor will be responsible to ensure that Sub Contractor SHE File compiled within conjunction with TPT Requirements and Approved prior to sub mission to Contractor Manager.
- Service Providers are liable to collect and remove all waste generated during the contract/project. Generated Waste will not allowed being disposed within TPT waste skips. Removal of Hazardous waste will be contractor's responsibility and

- Disposal Certificate submitted to SHEQ after waste has been disposed safely.
- The Service Provider to ensure full compliance to TPT COVID 19 requirements and Government Safety measures regarding preventing the spread of the COVID 19 virus.

Contact the following employees at SHERQ Department:

SHERQ Manager: Werner Labuschagne

Email: Werner.Labuschagne@transnet.net

Contact number: 022 703 4945

SHERQ Manager IOT: Marlon Saayman

Email: marlon.saayman@transnet.net

Contact number: 022 703 4958

8.ANNEXTURE

8.1 TPT-IMS-SLDT-CL-014-001.1 Contractor COVID 19 SHE File Assessment_Checklist

8.2 TPT-IMS-SLDT-GDL-014-001.2 Guide -Contractor COVID 19 Work Plan