iCLM HQ 862/TPT – TPT/2024/02/0016/57180/RFP - MANUFACTURE, SUPPLY & DELIVERY OF CONVEYOR BELTING TO PORT OF SALDANHA, PORT ELIZABETH EAST LONDON, DURBAN AND RICHARDS BAY AT TRANSNET PORT TERMINALS (TPT) OPERATING DIVISION OF TRANSNET SOC LTD. (REG 1990/000900/30) ON AN AS AND WHEN REQUIRED BASIS FOR THE PERIOD OF FIVE (5) YEARS

Scope of Work

Annexure A

Scope of Work

Project Overview

1. Introduction

Transnet Port Terminals Bulk Terminals are material handling facilities where cargo is imported and exported using bulk materials handling appliances. The loading and offloading of these commodities is accomplished using the various terminal's infrastructure such as fleet, Tipplers, conveyor belts, storage facilities/stacks, stackers, stacker-reclaimers, ship loaders and un-loaders.

The heart of the Bulk Operations are conveyors utilising either Steel Cord or Fabric Ply rubber conveyor belting.

The revised Preferential Procurement Policy Framework Act (PPPFA) regulations which came into effect in 2017 empower the Department of Trade and Industry (DTI) to designate industries, sectors and sub-sectors for local production at a specified level of local content. Conveyor belting has been designated 100% and as such the requirement of this supply contract is for all the belting required herein to be manufactured locally.

1.1 *TPT's* objective

Transnet Port Terminals' (TPT's) objective is to implement a **supply contract** for the various required specifications of conveyor belting that will provide FOR THE SUPPLY AND DELIVERY OF CONVEYOR BELTING TO THE PORTS OF SALDANHA, PORT ELIZABETH, EAST LONDON, DURBAN AND RICHARDS BAY on an as and when required basis for a period of five (3) years.

2. Site Location

The site is located on the premises of Transnet Port Terminal (TPT) at the Port of Saldanha, Port Elizabeth, East London, Durban and Richards Bay. All necessary transportation, handling etc. shall at all times take cognisance of these locations.

3. Scope

3.1 A Service Provider is required to supply the following conveyor belting ON REQUEST:

3.1.1 Steel core belting of various classes and sizes in conformance to SANS 1366: 2013 (Ed. 3.0 or the latest version) Conveyor belting - Steel cord reinforced construction [2].

or

[DIN 22131-1 (1988-11) (or the latest version) Steel Cord Conveyor Belts for Hoisting and Conveying - Dimensions, Requirements (only upon TPT Approval) [3].

3.1.2 Fabric ply belting of various classes and sizes in conformance to SANS 1173:2013 (Ed. 3.0 or the latest version) Conveyor belting - General purpose textile-reinforced construction [1].

3.1.3 **Top & bottom cover wear:** Under normal (standard) working conditions of the conveyor belting allowable, wear shall not exceed 2mm wear on top & bottom cover over 12-month

period in operation. Conveyor belting thicknesses should be as per the belt classification that is indicated in Annexure F [4].

3.2 A Service Provider is required to keep stock (i.e. consignment stock) of all the items listed on "Annexure F". The minimum stock holding quantities should be as indicated on Annexure F [4]. Consignment stock delivery should take place within 24 hours after order placement.

3.3 A detailed list of the Terminals requiring belting is provided in Pricing Schedule "Annexure F" [4].

3.4 The Service Provider shall ensure compliance to the latest Government regulations on fire compliances in line with belt specifications on the Pricing Schedule [6].

3.5 The Service Provider shall manage scrapping of old, used and defective conveyor belts.

3.5.1 They shall remove them from the respective TPT Terminals' sites in full compliance with the environmental standards [8][9].

3.5.2 They shall discard conveyors' waste/scrapping in full compliance with the regulatory requirements [10].

3.5.3 They shall collect conveyors' waste/scrapping every time they come to site when making deliveries of new conveyors.

3.5.4 They shall collect conveyors' waste/scrapping as-and when they are called by TPT to come remove waste that has accumulated at the TPT Terminal site.

4. AFTER SALES TECHNICAL SUPPORT

4.1 TPT expects that the successful bidder/s will Provide a "value add" service as follows:-

4.1.1 Terminal visits:

4.1.1.1 Make periodic visits to the respective terminal/s (i.e. at least once per quarter) for the purposes of installed conveyor belt inspection of general wear and provide technical guidance where deemed necessary.

4.1.1.2 Respond (i.e. preferably within 24hrs) to calls outs regarding repetitive failures/breakdowns that will require the technical expertise of the Service Provider in order to effect repairs to the conveyor / conveyor system. It is therefore necessary for a Service Provider to state/commit to a response time for emergency Call-outs

4.1.2 Provide inspection analysis reports on same failures/breakdowns and random inspections as a continuous improvement value-add. Assistance in the assessment of the failure and involvement in the detailed investigation into the failure will be required as instructed by the relevant Senior Engineering Manager.

4.1.3 Attend periodic Service Level Agreement meetings were the levels of performance by both parties will be measured and documented (period to be confirmed post award).

4.1.4 Service provider to be dynamic in the manufacture of the belting, i.e. where an optimized manufacturing process or change in specification has been proven superior to the current process or specification TPT is to be engaged to ensure alignment and approval of such proven changes/modifications.

5. Technical Requirements

5.1 Supply, delivery and storage of conveyor belting: General

5.1.1 The belt shall be supplied on a roll of minimum 350 meter length (Steel Cord - Saldanha) and minimum 500 meter length (Fabric Ply – Richards Bay) or otherwise as specified by TPT for specific projects.
5.1.2 Roll lengths are as per material data specifications from other terminals.
5.1.3 The belting shall be supplied free of any factory or other manufactured cable joints and/or spliced joints.
5.1.4 The belt shall be supplied on a spool / reel that can be mounted on a trestle. The spool / reel shall have a square hole, 150 mm x 150 mm, through the centre to accommodate a shaft when using the trestle to unroll / roll the belt. The spool / reel will remain the property of the service provider if required, as this is for the purposes of storage and ease of transportation only.
5.1.5 The rolled up belt shall be covered to protect it from the effects of the elements
5.1.6 The belt may not be treated with a silicon compound to improve aesthetics
5.1.7 The belting shall be subjected to "Pre-delivery ex-works" scanning, as well as scanning at the point of delivery/handover to the terminal.
5.1.8 Supplied conveyor belting preservation provided by the Service Provider:
5.1.8.1 The Service Provider shall preserve each and every belt delivery in full compliance with Transnet quality standards [7].
5.1.8.2 The Service Provider shall provide a preservation procedure covering both deliver and site storage of the conveyor belting.
5.1.8.3 The Service Provider shall cover conveyor belting with ultra-violet protection cover.
5.1.8.4 The Service Provider shall deliver conveyor belting complete with its trestle support for site storage.

5.2 Steel Cord Belting Specific Requirements

5.2.1 RIP DETECTION LOOPS: All steel cord belts shall be fitted with rip detection loops at intervals of 50 meters.

6 Warranty period & special requirements

6.1 General

6.1.1 The belting shall be supplied with a quality guarantee against manufacturing defect, for a minimum period of 12 months from delivery to the TPT site.
6.1.2 The belting shall be manufactured in accordance with the requirements as set out in SANS 1173 and SANS 1366 (or the latest versions).

6.2 Steel Cord belting

6.2.1 No manufacturing/joining points bigger than 150mm x 150mm will be done without permission from the Terminal.
6.2.2 When manufacturing/joining points are done on belting, not more than five repairs will be done on every 100 running meters belt (Repairs 150mm x 150mm).

6.2.3 When repairs are larger than prescribed in 6.2.1. Production shall be stopped and inspection and acceptance or rejection is required by a dedicated TPT Quality representative.

6.2.4 On every repair, a full QCP report will be sent detailing the manufacturer's batch number of that belt for acceptance. The report to be sent to our procurement department prior to delivery. Or arrangements shall be made that a TPT Quality representative visits the Service Provider when required, i.e. due to the large amount of data packs, or for quality assurance purposes.

6.2.5 For every roll of belt, together with the invoice, the total repairs and sizes shall be included in the data pack to be signed off by our dedicated TPT Quality representative. A visit to the factory during manufacturing shall be required. (The reason for the repairs to be included in the data pack this is for the purposes of traceability and for purposes of RCFA's in the event of failure and or possible claims).

7. Contractors Responsibilities

The *Contractor* shall provide all the necessary resources, transportation, equipment and expertise to carry out the works in this scope of work to ensure timeous delivery of belting when requested.

8. Business Continuity

The Service Provider shall ensure that there shall be no business interruption to TPT's operations. The Service Provider shall put business continuity measures in place to sustain uninterrupted supply of belt conveying to TPT even during the times when there are events like strikes, force majeure, etc. at the Service Provider's operations.

9. Delivery Times

9.1 Normal Conveyor Belting Supply Delivery

It is the requirement of TPT that all conveyor belting shall be delivered to the respective Terminal/s within 8 weeks of a confirmed Purchase Order. This is with exception of an abnormally large bulk order, this requirement can only be waivered by the respective Chief Engineer.

9.2 Consignment Stock Conveyor Belting Delivery

The Service Provider shall deliver consignment stock belting 24 hours after order placement. The delivered conveyor belting quantities shall be as per the ordered quantity.

10. Governing Codes, Standards and Specifications

The *Service Provider's* service/supply for TPT shall be in accordance with the requirements of the latest edition of the following specifications and codes:

Document Description		Document Number
[1]	Conveyor belting - General purpose textile-reinforced construction	SANS 1173:2013 (Ed. 3.0 or latest version)
[2]	Conveyor belting - Steel cord reinforced	SANS 1366:2013 (Ed. 3.0 or latest version)
[3]	Steel Cord Conveyor Belts for Hoisting and Conveying - Dimensions, Requirements	[DIN 22131-1 (1988-11) (or the latest version)
[4]	Annexure F	Conveyor Belting Requirements
[5]	ISO 9001:2015 · Quality management principles	ISO 9001
[6]	Conveyor Belts Fire Compliance Instruction	CIOM-INSTR. OH-01-2022
[7]	Standard Quality Requirements	QAL-STD-0001
[8]	Standard Environmental Specification	ENV-STD-0002
[9]	Health & Safety Standard	HAS-STD-0002
[10]	National Environmental Management: Waste Act (Act No. 59 of 2008).	Act 59 of 2008

11. Quality Assurance Requirements

- The Service Provider should submit a Quality Management System (QMS) for manufacturing and for belt storage documents to TPT as part of their tender in full compliance with Transnet's quality standards [7].
- The Service Provider should fully comply to Transnet's quality standards [7].
- The Service Provider shall supply conveyor belting in full compliance to Transnet's quality standards [7].
- The Service Provider should be ISO 9001 accredited/certified [5].

12. SHE Requirements

- The Service Provider shall fully comply to the Transnet's health and safety standards [8].
- The Service Provider shall fully comply to the Transnet's environmental standards [9].
- The Service Provider shall fully comply from their despatch, through transportation until delivery on-site.
- The Service Provider shall fully comply to the waste management regulatory requirements [10].