

Transnet Port Terminals

Port Elizabeth Container Terminal

Document Title:

WORKS INFORMATION

Scope Of Work Title:

PROVISION FOR THE BACK SLIPPING OF THE NOEL STS CRANE 516 FOR TRANSNET SOC LTD (REG NO. 1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS (HEREINAFTER REFERRED AS "TPT") FOR PORT ELIZABETH CONTAINER TERMINAL.

CONTENTS

1. BACKGROUND.....3

2. OBJECTIVE3

3. SCOPE OF WORK3

4. SAFETY AND COMPLIANCE.7

5. SECURITY REQUIREMENTS.....7

6. RETURNABLES.8

7. ANNEXURES.....9

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1. BACKGROUND

The Port Elizabeth Container Terminal (PECT) operate in the loading and offloading of containers and manganese skip operations. These activities are carried out using Ship-to-Shore (STS) cranes, 20ft/40ft spreaders, and straddle carriers. The terminal operates with two operational STS cranes and one Mobile Harbour Crane (MHC), all of which are in high demand due to consistently high berth occupancy levels. These cranes are utilized on a weekly basis to support both container handling and skiptainer operations.

2. OBJECTIVE

The main objective of the scope of work is to back slip Ship-to-shore crane 516 from berth 103 to block 172 and 142 at the stacking area including to install mech fencing around the area.

3. SCOPE OF WORK

- 3.1. This scope of work covers all work necessary to move the NOEL STS Crane 516 from berth 103 rails at the quayside to a designated block 172 and 142. The scope of work includes the following requirements:
 - 3.1.1 The contractor shall back slip Noel crane 516 from berth 103 into the stack area to block 172 and 142 as per the below route.



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Figure 1: Terminal overview and back slipping route.

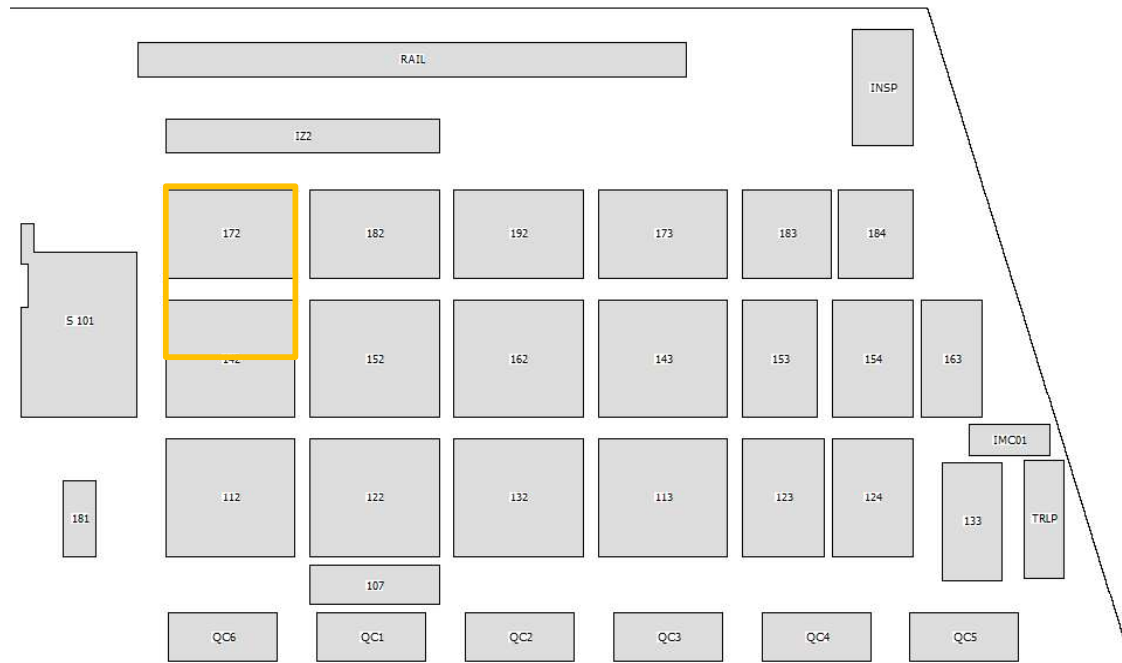


Figure 2: Terminal stacking blocks.

- 3.1.2 The contractor shall execute all the all-engineering works required for the movement of the crane, also to note that the current position of boom is in UP position.
- 3.1.3 This shall encompass of all the load checks stability checks that are required to ensure that the crane is moved in a safe manner to the designated area.
- 3.1.4 The crane must be back slipped in such a manner that its boom does not intersect with the booms of the other operating cranes. There must be sufficient clearance when it is travelling past the front of the operating cranes.
- 3.1.5 The contractor must provide all the necessary machinery & equipment required to move the crane and to avoid damage of any existing equipment and electrical systems.
- 3.1.6 The contractor shall submit all the test certificates of all the equipment.
- 3.1.7 The contractor shall supply and install mash fence including an access gate on the designated area block 142 and 172 estimation area size 130X80 meters.
- 3.1.8 The contractor shall undertake a survey of the crane to check all elements when it comes to fatigue and corrosion also crane structure integrity. This shall be undertaken into account when it comes to the planning of back slipping the NOEL crane.
- 3.1.9 The crane specifications please refer to the table 1 and Annexure E for the crane drawing.
- 3.1.10 The contractor to note that the crane does not have power also their access platforms, staircase (access portal) and boom platforms are rusted also unsafe. Please also refer to the attached Annexure F Technical report of the crane.
- 3.1.11 The contractor shall ensure there is no environmental disturbance and pollution are minimized.

3.1.12 The contractor must also provide bridges to pass the water and cable trenches without damages to infrastructure.

Table 1: Noel Ship-To-Shore Crane 516 specifications.

DESCRIPTION	SPECIFICATION
Make and Mode	NOEL STS CRANE.
Commissioning date	1995
Years in service (from commission to the year it stopped working)	30 years
Wheel drive	16 Wheel Drive
Last date of examination/inspection	24 March 2025
Stopped machine	24 March 2025
Working outreach (waterside)	45.70 m
Working backreach (landside)	19.00 m
Clearance between portal legs	12.50 m
Total hoist travel distance	48.00 m
Travelling distance from the feed-in point	400.00 m
Loading Capacity	65 Tons
Estimated weight*	850/950 Tons

- 3.1.13 The contractor shall identify all risks and put mitigation plans to ensure no harm to TPT employees and property.
- 3.1.14 The contractor shall provide all the equipment required to execute the works information e.g. jack, welding equipment, slides and not limited to the listed.
- 3.1.15 The contractor shall demonstrate experience in similar projects executed in slipping of STS Cranes in the past. The contractor is to submit a list of references and a minimum of three projects previous executed. This shall comprise of the following: name of the company, contract person, telephone, and year which project was executed.
- 3.1.16 The contractor shall be required to provide a detailed method statement to enable Transnet Port terminal and Transnet National Port Authority to clearly understand the proposed method of back slipping. This shall be required to be submitted to both parties for approval.
- 3.1.17 The contractor shall provide a CV of the site safety officer or supervisor who have a minimum experience of five years in the field.
- 3.1.18 The contractor shall provide a CV of the project manager who have a minimum experience of five years in the field.
- 3.1.19 The contractor shall submit the CV's of the onsite team having a minimum experience of two or more in the same field.
- 3.1.20 The contractor shall note that the terminal will be operational during the execution of the works information.
- 3.1.21 The contractor shall be required to execute all site activities in a manner that they don't interfere with the terminal operations.

3.1.22 The method statement shall demonstrate the following requirement but limited to the listed:

- The method statement is required to cover all aspects of the back slipping activities, quality, safety, risk and environment.
- Additional to that it shall include timelines and milestones of the project.
- The method statement to provide specific information for the following points
Inspection of all equipment:
 - Installation of the fence.
 - Jacking down of the crane.
 - Slide slipping of the crane.
 - Back slipping of the crane.

3.1.23 The contractor shall backward slip the crane within 2 days from the berth 103 to minimise operation disruptions. The contractor shall submit a letter of confirmation on a company letterhead confirming the lead-time for back slipping activities.

3.1.24 The contractor shall submit a project plan demonstrating all activities from - start date, access date, planned completion, key dates/Sectional completion dates & completion date. In addition. The programmed shall clearly demonstrate adequate provisions for Time Risk Allowance (TRA) and time risk allowances are not float.

3.1.25 The contractor shall comply with all applicable safety laws and regulations including instructions received from TPT Management and TPT Supervisory Personnel.

3.1.26 The contractor shall have a general liability insurance and professional indemnity cover. This will cover the following:

- General liability insurance public liability with a minimum limit of R10 million
- Professional indemnity cover. This will be covering the legal liability as a result of neglect, error or omission of the insured in the execution of their professional activities.
- Letter of Good standing (COID)
- Asset's policy to cover their equipment, motor vehicles that will be utilised for onsite activities.

3.1.27 The contractor shall submit a letter of confirmation to the scope of work on a company letterhead.

4. SAFETY AND COMPLIANCE.

- 4.1. After contract award the following documents must be submitted with a comprehensive, SHE file for TPT SHERQ approval before any work commences:
 - Annexure A: Section 37 Mandatary Agreement
 - Annexure B Contractor Questionnaire
 - Annexure C Contractor Compliance File Assessment Checklist
- 4.2. The contractor shall comply with all applicable safety laws and regulations including all instructions received from TPT Management and TPT Supervisory Personnel.
- 4.3. The contractor shall comply with the Terminal Safety, Health, Environment and Quality Standard Operating Procedures (SOP) as required by the TPT (SHEQ) manager.
- 4.4. The contractor shall be required to undergo TPT's safety induction training programme prior to commencing work on TPT site.
- 4.5. The contractor must ensure compliance to TPT's Security and emergency policies, procedures and regulations.
- 4.6. Contractor and/or its employees shall be required to submit to random drug and alcohol testing.
- 4.7. The contractor shall ensure that any artisan dispatched to TPT does not have a criminal record. (TPT reserves the right to verify this).
- 4.8. The contractor shall ensure that its employees present on the TPT site are furnished with safety clothing or personal protective equipment. (E.g., reflective jackets, safety boots, hard hats etc.)

5. SECURITY REQUIREMENTS.

- 5.1. The contractor will need to comply with the following security requirements once she file has been approved and find attached Annexure F application form to completed:
 - Copy of Identification Document (SAPS Certified)
 - Duration of permit required
 - Name list of persons and list of vehicles
 - Copy of Safety Induction Register
 - Copy of Medical fitness certificates
 - Driver's licences for all vehicles drivers (SAPS Certified)
 - Valid roadworthy certificate for all vehicles / copy of latest license renewal
 - Hired vehicle – Proof of Lease agreement

6. RETURNABLES.

- 6.1. The contractor shall submit a list of references and a minimum of three projects previous executed. This shall comprise of the following: name of the company, contract person, telephone, value and year which project was executed. (Returnable T1)
- 6.2. The contractor shall submit all CVs for the following onsite team (Returnable T2):
 - Project Manager.
 - Site supervisor or she officer.
 - Onsite Technical Team.
- 6.3. The contractor to provide insurance cover addressing the following (Essential returnable 3):
 - 6.3.1. General liability insurance public liability with a minimum limit of R10 million
 - 6.3.2. Professional indemnity cover. This will be covering the legal liability as a result of neglect, error or omission of the insured in the execution of their professional activities.
 - 6.3.3. Letter of Good standing (COID)
 - 6.3.4. Asset's policy to cover their equipment, motor vehicles that will be utilised for onsite activities general liability insurance public and professional indemnity cover.
- 6.4. The contractor shall submit a project plan in Microsoft Project format demonstrating all activities from - start date, access date, planned completion, key dates/Sectional completion dates & completion date. In addition. The programmed shall clearly demonstrate adequate provisions for Time Risk Allowance (TRA) and time risk allowances are not float. The contractor shall also submit a letter of confirmation on a company letterhead confirming lead-time for back slipping activities (Returnable T4).
- 6.5. The contractor shall submit a detailed method statement which demonstrate the following requirement but limited to the listed below (Returnable T5):
 - 6.5.1. The method statement is required to cover all aspects of the back slipping activities, quality, safety, risk and environment.
 - 6.5.2. Additional to that it shall include timelines and milestones of the project.
 - 6.5.3. The method statement to provide specific information for the following points:
 - Inspection of all equipment.
 - Installation of the fence.
 - Jacking down of the crane.
 - Slide slipping of the crane.
 - Back slipping of the crane.

7. ANNEXURES.

Annexure A: Section 37 Mandatary Agreement

Annexure B Contractor Questionnaire

Annexure C Contractor Compliance File Assessment Checklist

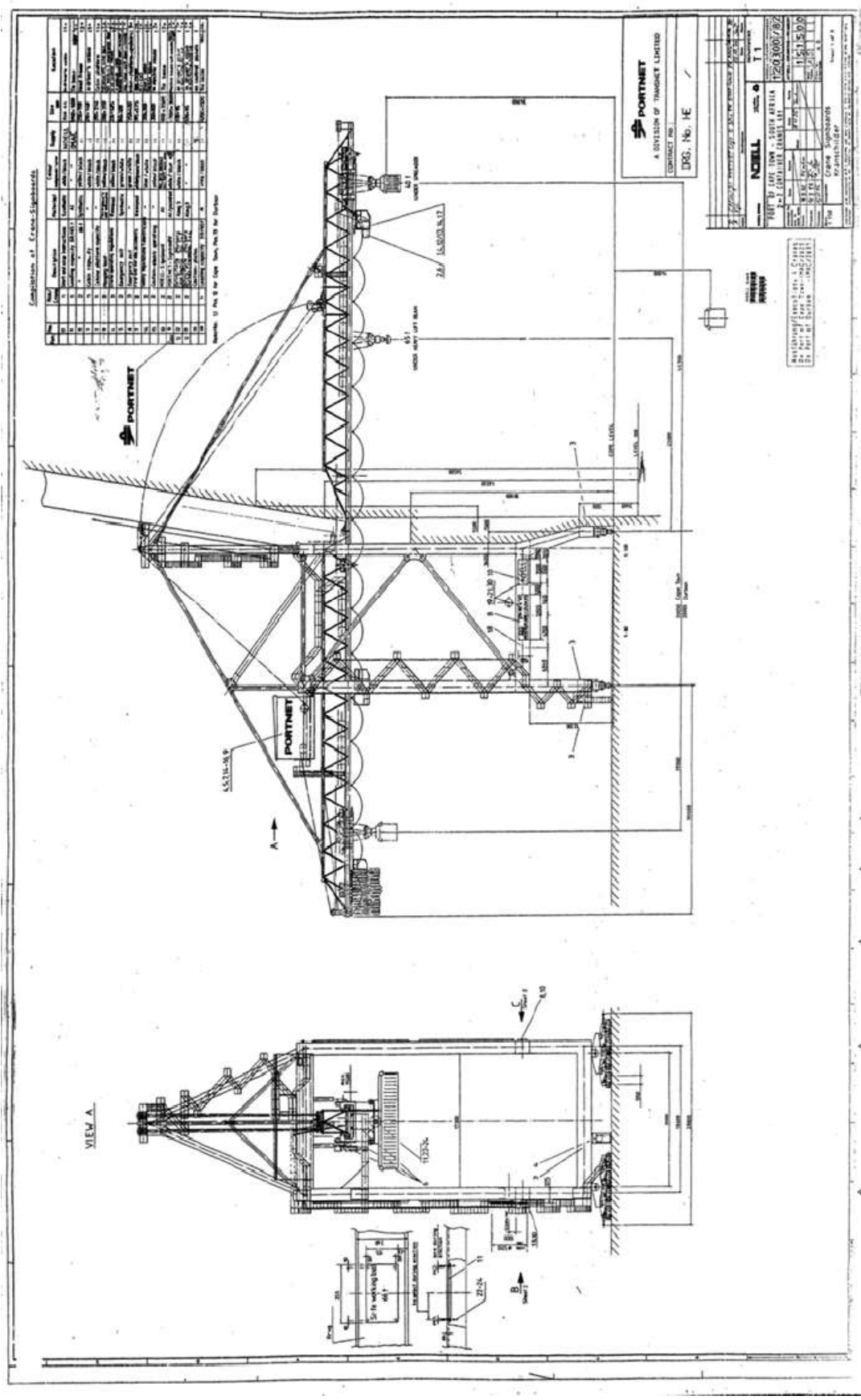
Annexure D Security Application Form

Annexure E Crane Drawing

Annexure F Technical Report of the crane.

Provision for the back slipping of the NOEL (crane 516) for Transnet SOC Ltd (reg no. 1990/000900/30) operating as Transnet Port Terminals (Hereinafter referred as "TPT") for Port Elizabeth Container Terminal.

Annexure E: Noel Crane drawing.



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