

TRANSNET PORT TERMINALS

an Operating Division of **TRANSNET SOC LTD**

[hereinafter referred to as **Transnet**]

[Registration No. 1990/000900/30]

REQUEST FOR PROPOSAL [RFP]

FOR THE PROVISION OF DISMANTLING OF BATEMAN TRAIN LOADDOUT STATION AND DISMANTLING OF H,V,U GALLERY STEEL STRUCTURES, H&V TRANSFER TOWER, GRINDROD TRANSFER TOWER AND FOSKOR TRANSFER TOWER AT THE PORT OF RICHARDS BAY TRANSNET SOC LTD (REG. NO 1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS (HEREINAFTER REFERRED TO AS "TPT"), AS A ONCE OFF SUPPLY.

RFP NUMBER	TPT/2022/06/0326/6155/RFP
ISSUE DATE:	21 October 2022
COMPULSORY BRIEFING:	28 October 2022
CLOSING DATE:	25 November 2022
CLOSING TIME:	12:00 PM
BID VALIDITY PERIOD:	180 Business Days from Closing Date

Note to the bidders:

Bidders are required to ensure that electronic bid submissions are done at least a day before the closing date to prevent issues which they may encounter due to their internet speed, bandwidth or the size of the number of uploads they are submitting. Transnet will not be held liable for any challenges experienced by bidders as a result of the technical challenges. Please do not wait for the last hour to submit. A Bidder can upload 30mb per upload and multiple uploads are permitted.

PREFERENTIAL PROCUREMENT PREQUALIFICATION CRITERIA - ONLY THE FOLLOWING RESPONDENTS MAY RESPOND TO THIS RFP:

- a) **RESPONDENTS WITH A MINIMUM B-BBEE STATUS LEVEL OF 1 TO 4;**
- b) **LOCAL CONTENT: ANNEXURE D AND E**
- c) **PLEASE NOTE THE OTHER PREQUALIFICATION CRITERIA:**
 - 1 T2.2-01 ELIGIBILITY: DEMOLISHING AND RIGGING EXPERIENCE**
 - 2 T2.2-02 ELIGIBILITY: COMPANY ACCREDITATION WITH LEEASA**
 - 3 T2.2-03 ELIGIBILITY: PROFESSIONAL ENGINEER AND ELECTRICAL TRADESMAN**

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**RFP FOR THE SUPPLY OF RFP FOR THE PROVISION OF
DISMANTLING OF BATEMAN TRAIN LOADDOUT STATION AND DISMANTLING OF H,V,U GALLERY STEEL
STRUCTURES, H&V TRANSFER TOWER, GRINDROD TRANSFER TOWER AND FOSKOR TRANSFER TOWER AT
THE PORT OF RICHARDS BAY TRANSNET SOC LTD (REG. NO 1990/000900/30) OPERATING AS TRANSNET
PORT TERMINALS (HEREINAFTER REFERRED TO AS "TPT"), AS A ONCE OFF SUPPLY.**

SECTION 1: SBD1 FORM

PART A

INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF TPT/2022/05/0120/3024/RFP, A DIVISION TRANSNET SOC LTD							
BID NUMBER:	TPT/2022/06/0326/6155/RFP	ISSUE DATE:	21/10/2022	CLOSING DATE:	25/11/2022	CLOSING TIME:	12:00pm
DESCRIPTION	DISMANTLING OF BATEMAN TRAIN LOADDOUT STATION AND DISMANTLING OF H,V,U GALLERY STEEL STRUCTURES, H&V TRANSFER TOWER, GRINDROD TRANSFER TOWER AND FOSKOR TRANSFER TOWER AT THE PORT OF RICHARDS BAY TRANSNET SOC LTD (REG. NO 1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS (HEREINAFTER REFERRED TO AS "TPT"), AS A ONCE OFF SUPPLY.						
BID RESPONSE DOCUMENTS SUBMISSION							
RESPONDENTS ARE TO UPLOAD THEIR BID RESPONSE PROPOSALS ONTO THE TRANSNET SYSTEM AGAINST EACH TENDER SELECTED (please refer to section 2, paragraph 3 for a detailed process on how to upload submissions): https://www.transnet.net							
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO				TECHNICAL ENQUIRIES MAY BE DIRECTED TO:			
CONTACT PERSON	Thabile Zuma			CONTACT PERSON	Siyanda Dlamini		
TELEPHONE NUMBER	031 361 7850			TELEPHONE NUMBER	035 905 6309		
E-MAIL ADDRESS	Thabile.Zuma@Transnet.net			E-MAIL ADDRESS	Siyanda.Dlamini@Transnet.net		
NAME OF BIDDER							
POSTAL ADDRESS							
STREET ADDRESS							
TELEPHONE NUMBER	CODE			NUMBER			
CELLPHONE NUMBER							
FACSIMILE NUMBER	CODE			NUMBER			
E-MAIL ADDRESS							
VAT REGISTRATION NUMBER							
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE	UNIQUE REGISTRATION REFERENCE NUMBER: MAAA		
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	[TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT		[TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No		

[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED FOR PURPOSES OF COMPLIANCE WITH THE B-BBEE ACT]

4 ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]	5 ARE YOU A FOREIGN BASED SUPPLIER FOR THE SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER QUESTIONNAIRE BELOW]
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QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
DOES THE ENTITY HAVE A BRANCH IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	<input type="checkbox"/> YES <input type="checkbox"/> NO
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?	<input type="checkbox"/> YES <input type="checkbox"/> NO

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 1.3 BELOW.

PART B TERMS AND CONDITIONS FOR BIDDING

1. TAX COMPLIANCE REQUIREMENTS

- 1.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 1.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
- 1.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
- 1.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 1.5 IN BIDS WHERE UNINCORPORATED CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 1.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:

(Proof of authority must be submitted e.g. company resolution)

DATE: _____

SECTION 2 : NOTICE TO BIDDERS

1. INVITATION TO BID

Responses to this RFP [hereinafter referred to as a **Bid** or a **Proposal**] are requested from persons, companies, close corporations or enterprises [hereinafter referred to as an **entity, Respondent** or **Bidder**].

DESCRIPTION	DISMANTLING OF BATEMAN TRAIN LOADDOUT STATION AND DISMANTLING OF H,V,U GALLERY STEEL STRUCTURES, H&V TRANSFER TOWER, GRINDROD TRANSFER TOWER AND FOSKOR TRANSFER TOWER AT THE PORT OF RICHARDS BAY TRANSNET SOC LTD (REG. NO 1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS (HEREINAFTER REFERRED TO AS "TPT"), AS A ONCE OFF SUPPLY [the Services]
TENDER ADVERT	All Transnet tenders are advertised on the National Treasury's e-Tender Publication Portal and the Transnet website. Should one of these media (i.e. National Treasury's e-Tender Publication Portal or Transnet website) not be available, bidders are advised to check on the other media for advertised tenders.
RFP DOWNLOADING	<p>This RFP may be downloaded directly from National Treasury's e-Tender Publication Portal at www.etenders.gov.za free of charge.</p> <p>To download RFP and Annexures:</p> <ul style="list-style-type: none"> Click on "Tender Opportunities"; Select "Advertised Tenders"; In the "Department" box, select Transnet SOC Ltd; <p>Once the tender has been located in the list, click on the "Tender documents" tab and process to download all uploaded documents.</p> <p>The RFP may also be downloaded from the Transnet website at https://transnetetenders.azurewebsites.net (please use Google Chrome to access Transnet link/site) free of charge (<i>refer to section 2, paragraph 3 below for detailed steps</i>).</p>
COMMUNICATION	<p>Any addenda to the RFP or clarifications will be published on the e-tender portal and Transnet website. Bidders are required to check the e-tender portal and Transnet website prior to finalising their bid submissions for any changes or clarifications to the RFP.</p> <p>Transnet will not be held liable if Bidders do not receive the latest information regarding this RFP with the possible consequence of either being disadvantaged or disqualified as a result thereof.</p>
BRIEFING SESSION	<p>Yes – Compulsory</p> <p>Bidders are required to confirm their attendance and to send their contact details including the number of representatives (where applicable) to the following address: Thabile.Zuma@Transnet.net</p> <p>This is to ensure that Transnet may make the necessary arrangements for the briefing session.</p> <p>Refer to paragraph 2 for details.</p>
CLOSING DATE	<p>12:00 pm on Friday 25 November 2022</p> <p>Bidders must ensure that bids are uploaded timeously onto the system.</p> <p>As a general rule, if a bid is late, it will not be accepted for consideration.</p> <p><i>Bidders are required to ensure that electronic bid submissions are done at least a day before the closing date to prevent issues which they may encounter due to their internet speed, bandwidth or the size of the number of uploads they are submitting. Transnet will not be held liable for any challenges experienced by bidders as a result of the technical challenges. Please do not wait for the last hour to submit. A Bidder can upload 30mb per upload and multiple uploads are permitted.</i></p>
VALIDITY PERIOD	<p>180 Business Days from Closing Date</p> <p>Bidders are to note that they may be requested to extend the validity period of their bid, at the same terms and conditions, if the internal evaluation process has not been finalised within the validity period. However, once the adjudication body has approved</p>

	<p>the process and award of the business to the successful bidder(s), the validity of the successful bidder(s)' bid will be deemed to remain valid until a final contract has been concluded.</p> <p>With regard to the validity period of next highest ranked bidders, please refer to Section 2, paragraph 12.12</p>
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Any additional information or clarification will be published on the e-Tender portal and Transnet website, if necessary.

2. FORMAL BRIEFING

A compulsory pre-proposal site meeting and RFP briefing will be conducted at The Port of Richards Bay on the **28 October 2022 at 9am for a period of ± 3 hours**. [Respondents to provide own transportation and accommodation and protective gear]. The briefing session will start punctually, and information will not be repeated for the benefit of Respondents arriving late. **Please note: bidders are to allow for time at the permit office and to enter the Port ±60 minutes**

- 5.1 A Certificate of Attendance set out in Section 10 hereto must be completed and submitted with your Proposal as proof of attendance is required for a **compulsory** site meeting and/or RFP briefing.
- 5.2 Respondents failing to attend the compulsory site meeting and/or RFP briefing will be **disqualified**.
- 5.3 **Details are as follows:**

Richards Bay Harbour Newark Road
 Transnet Port Terminals
 Umhlathuze Building Octopus Rd
 Commercial services boardroom

3. PROPOSAL SUBMISSION

Transnet has implemented a new electronic tender submission system, the e-Tender Submission Portal, in line with the overall Transnet digitalization strategy where suppliers can view advertised tenders, register their information, log their intent to respond to bids and upload their bid proposals/responses on to the system.

a) The Transnet e-Tender Submission Portal can be accessed as follows:

- Log on to the Transnet eTenders management platform website/ Portal (transnetetenders.azurewebsites.net) Please use **Google Chrome** to access Transnet link/site)
- Click on "ADVERTISED TENDERS" to view advertised tenders;
- Click on "SIGN IN/REGISTER – for bidder to register their information (must fill in all mandatory information);
- Click on "SIGN IN/REGISTER" - to sign in if already registered;
- Toggle (click to switch) the "Log an Intent" button to submit a bid;
- Submit bid documents by uploading them into the system against each tender selected.
- No late submissions will be accepted. The bidder guide can be found on the Transnet Portal transnetetenders.azurewebsites.net

4. RFP INSTRUCTIONS

- 5.4 Please sign documents [sign, stamp and date the bottom of each page] before uploading them on the system. The person or persons signing the submission must be legally authorised by the respondent to do so.
- 5.5 **All returnable documents tabled in the Proposal Form [Section 5] must be returned with proposals.**

- 5.6 Unless otherwise expressly stated, all Proposals furnished pursuant to this RFP shall be deemed to be offers. Any exceptions to this statement must be clearly and specifically indicated.
- 4.1. Any additional conditions must be embodied in an accompanying letter. Subject only to clause 15 [Alterations made by the Respondent to Bid Prices] of the General Bid Conditions, paragraph 13 below (Legal Review) and Section 6 of the RFP, alterations, additions or deletions must not be made by the Respondent to the actual RFP documents.

5. JOINT VENTURES OR CONSORTIUMS

Respondents who would wish to respond to this RFP as a Joint Venture **[JV]** or consortium with B-BBEE entities, must state their intention to do so in their RFP submission. Such Respondents must also submit a signed JV or consortium agreement between the parties clearly stating the percentage [%] split of business and the associated responsibilities of each party. If at the time of the bid submission such a JV or consortium agreement has not been concluded, the partners must submit confirmation in writing of their intention to enter into a JV or consortium agreement should they be awarded business by Transnet through this RFP process. This written confirmation must clearly indicate the percentage [%] split of business and the responsibilities of each party. In such cases, award of business will only take place once a signed copy of a JV or consortium agreement is submitted to Transnet.

Respondents are to note that for the purpose of Evaluation, a JV will be evaluated based on one consolidated B-BBEE score card (a consolidated B-BBEE Status Level verification certificate) as per the B-BBEE Preferential Procurement Regulations, 2017 preference point scoring.

6. PREFERENTIAL PROCUREMENT PREQUALIFICATION CRITERIA

6.1. Minimum B-BBEE level

Transnet has decided to set a minimum B-BBEE threshold for participation in this RFP process. The minimum B-BBEE threshold in this instance is a B-BBEE Level 1 to 4, and Respondents who do not have at least this B-BBEE status will be disqualified.

7. COMPULSORY LOCAL CONTENT THRESHOLD

In terms of section 8(1) of the Preferential Procurement Regulations, 2017, and the Instruction Note issued by National Treasury on the "Invitation and Evaluation of Bids based on a stipulated minimum threshold for local content and production for the Steel Sector", Transnet is required to set a stipulated minimum threshold be set for this RFP.

7.1. Local Content Threshold

A Local Content threshold of **100%** will be required for the goods specified in SBD 6.2, to be manufactured by a successful Respondent for the remainder of the contract term.

Only locally produced or locally manufactured **Steel products** with a minimum threshold for local production and content will be considered. If the quantity of materials and/or products required cannot be wholly sourced from South African based manufacturers and/or at the designated local content threshold at any particular time, a bidders should obtain written approval from the DTIC to supply the remaining portion at a lower local content threshold. Such approval application should be submitted and obtained prior to the closing of the bid. The DTIC, in consultation with Transnet, will grant such approval on a case-by-case basis and will consider the following:

- required volumes in the particular bid;

- available collective South African industry manufacturing capacity at that time;
- delivery times;
- availability of input materials and components;
- technical considerations including operating conditions;
- materials of construction; and
- Security of supply and emergencies.

7.2. Local Content Notes

- 7.2.1. The exchange rate to be used for the calculation of local production and content must be the exchange rate published by the South African Reserve Bank (SARB) on the date of the advertisement of the tender;
- 7.2.2. Only the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 must be used to calculate local content;
- 7.2.3. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the following formula which must be disclosed in the bid documentation:

$$LC = [1 - x/y] * 100$$

Where

x is the imported content in Rand

y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by the SARB at 12:00 on the date of advertisement of the bid.

- 7.2.4. The SABS approved technical specification number SATS 1286:2011 and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [(Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex D) and E are accessible to all potential tenderers on the DTI's official website; <http://www.the dti.gov.za/industrial development/ip.jsp> at no cost.
- 7.2.5. The rates of exchange quoted by the tenderer in paragraph 4.1 of Returnable Schedule (the Declaration Certificate for Local Production and Content for Designated Sectors) will be verified for accuracy.
- 7.2.6. Declaration Certificate for Local Production and Content (SBD 6.2) together with the Annex D (Local Content Declaration: Summary Schedule) must be completed, duly signed and submitted at the closing date and time of the bid;
- 7.2.7. Tenderers must familiarise themselves with all the information provided in the Local Content instruction notes with particular reference to paragraph 4 of the instruction notes.
- 7.2.8. Respondents are to ensure that they complete the local content annexures in line with the provisions made in the Guidance Document for the calculation of Local Content. Failure to comply will lead to disqualification.

7.3. Mandatory RFP Annexures

The regulatory and mandatory RFP Annexures, which must be completed by all Respondents in order to declare Local Content, are as follows:

- Annexure D and E must be completed and submitted even if a complete Local Content exemption letter from DTI has been obtained.
- To the extent that an exemption from Local Content has been granted by the DTI, the exemption letter from DTI will be a mandatory returnable document.

- Annexures D and E. They are named as follows:
 - Annexure D – Imported Content Declaration
 - Annexure E – Local Content Declaration

After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. Declaration C should be submitted with the bid documentation at the closing date and time of the bid. Declarations D and E should be kept by Respondents for verification purposes for a period of at least 5 years. The successful Respondent is required to continuously update Declarations C, D and E with the actual values for the duration of the contract. In addition to what is stated above regarding Annexures D and E, please note that these declarations are to be submitted as part of the Essential Returnable Documents.

7.4. Challenges meeting the Local Content Threshold

Should, after the award of a Bid, the Supplier experience challenges in meeting the stipulated minimum threshold for Local Content, Transnet is required to inform the DTI accordingly in order for the DTI to verify the circumstances and provide directives in this regard.

7.5. Exchange Rate Verification

The rate of exchange quoted by the Respondent in the declaration certificates – Local Content Declaration: Summary Schedule) will be verified for accuracy as per the requirement of National Treasury Instruction Notes and Circulars.

7.6. Local Content Obligations

Respondents are to note that the Local Content commitments made by the successful Respondent(s) will be incorporated as a term of the contract and monitored for compliance. Should the successful Respondent fail to meet its Local obligations, non-compliance penalties shall be applicable as per the contract or Standard Terms and Conditions of Contract. Breach of Local Content obligations also provide Transnet cause to terminate the contract in certain cases where material non-compliance with Local Content requirements are not achieved.

8. COMMUNICATION

- 8.1. For specific queries relating to this RFP, an RFP Clarification Request Form should be submitted onto the system and to [**Thabile.Zuma@Transnet.net**] before **12:00 pm on 18 November 2022**, substantially in the form set out in Section 8 hereto. In the interest of fairness and transparency, Transnet's response to such a query will be published on the e-tender portal and Transnet website.
- 8.2. After the closing date of the RFP, a Respondent may only communicate with the name of delegated individual (Thabile Zuma), at email Thabile.Zuma@Transnet.net on any matter relating to its RFP Proposal.
- 8.3. Respondents are to note that changes to its submission will not be considered after the closing date.
- 8.4. It is prohibited for Respondents to attempt, either directly or indirectly, to canvass any officer or employee of Transnet in respect of this RFP between the closing date and the date of the award of the business.
- 8.5. Respondents found to be in collusion with one another will be automatically disqualified and restricted from doing business with organs of state for a specified period.

9. CONFIDENTIALITY

All information related to this RFP is to be treated with strict confidence. In this regard Respondents are required to certify that they have acquainted themselves with the Non-Disclosure Agreement. All information related to a subsequent contract, both during and after completion thereof, will be treated with strict confidence. Should the need however arise to divulge any information related to this RFP or the subsequent contract, written approval must be obtained from Transnet.

10. COMPLIANCE

The successful Respondent [hereinafter referred to as the **Supplier**] shall be in full and complete compliance with any and all applicable laws and regulations.

11. EMPLOYMENT EQUITY ACT

Respondents must comply with the requirements of the Employment Equity Act 55 of 1998 applicable to it including (but not limited to) Section 53 of the Employment Equity Act.

12. DISCLAIMERS

Respondents are hereby advised that Transnet is not committed to any course of action as a result of its issuance of this RFP and/or its receipt of Proposals. In particular, please note that Transnet reserves the right to:

- 12.1. modify the RFP's Services and request Respondents to re-bid on any such changes;
- 12.2. reject any Proposal which does not conform to instructions and specifications which are detailed herein;
- 12.3. disqualify Proposals submitted after the stated submission deadline [closing date];
- 12.4. award a contract in connection with this Proposal at any time after the RFP's closing date;
- 12.5. award a contract for only a portion of the proposed Goods which are reflected in the scope of this RFP;
- 12.6. split the award of the contract between more than one Supplier, should it at Transnet's discretion be more advantageous in terms of, amongst others, cost or developmental considerations;
- 12.7. cancel the bid process;
- 12.8. validate any information submitted by Respondents in response to this bid. This would include, but is not limited to, requesting the Respondents to provide supporting evidence. By submitting a bid, Respondents hereby irrevocably grant the necessary consent to Transnet to do so;

- 12.9. request audited financial statements or other documentation for the purposes of a due diligence exercise;
- 12.10. not accept any changes or purported changes by the Respondent to the bid rates after the closing date and/or after the award of the business, unless the contract specifically provided for it;
- 12.11. to cancel the contract and/request that National Treasury place the Respondent on its Database of Restricted Suppliers for a period not exceeding 10 years, on the basis that a contract was awarded on the strength of incorrect information furnished by the Respondent or on any other basis recognised in law;
- 12.12. to award the business to the next ranked bidder, provided that he/she is still prepared to provide the required Goods at the quoted price, should the preferred bidder fail to sign or commence with the contract within a reasonable period after being requested to do so. Under such circumstances, the validity of the bids of the next ranked bidder(s) will be deemed to remain valid, irrespective of whether the next ranked bidder(s) were issued with a Letter of Regret. Bidders may therefore be requested to advise whether they would still be prepared to provide the required Goods at their quoted price, even after they have been issued with a Letter of Regret.

Note that Transnet will not reimburse any Respondent for any preparatory costs or other work performed in connection with its Proposal, whether or not the Respondent is awarded a contract.

13. LEGAL REVIEW

A Proposal submitted by a Respondent will be subjected to review and acceptance or rejection of its proposed contractual terms and conditions by Transnet's Legal Counsel, prior to consideration for an award of business. A material deviation from the Standard terms or conditions could result in disqualification.

14. SECURITY CLEARANCE

Acceptance of this bid could be subject to the condition that the Successful Respondent, its personnel providing the goods and its subcontractor(s) must obtain security clearance from the appropriate authorities to the level of **CONFIDENTIAL/ SECRET/TOP SECRET**. Obtaining the required clearance is the responsibility of the Successful Respondent. Acceptance of the bid is also subject to the condition that the Successful Respondent will implement all such security measures as the safe performance of the contract may require.

15. NATIONAL TREASURY'S CENTRAL SUPPLIER DATABASE

Respondents are required to self-register on National Treasury's Central Supplier Database (CSD) which has been established to centrally administer supplier information for all organs of state and facilitate the verification of certain key supplier information. Respondents must register on the CSD prior to submitting their bids. Business may not be awarded to a Respondent who has failed to register on the CSD. Only foreign suppliers with no local registered entity need not register on the CSD.

For this purpose, the attached SBD 1 form must be completed and submitted as a mandatory returnable document by the closing date and time of the bid.

16. TAX COMPLIANCE

Respondents must be compliant when submitting a proposal to Transnet and remain compliant for the entire contract term with all applicable tax legislation, including but not limited to the Income Tax Act, 1962 (Act No. 58 of 1962) and Value Added Tax Act, 1991 (Act No. 89 of 1991).

It is a condition of this bid that the tax matters of the successful Respondent be in order, or that satisfactory arrangements have been made with South African Revenue Service (SARS) to meet the bidder's tax obligations.

The Tax Compliance status requirements are also applicable to foreign bidders / individuals who wish to submit bids.

Where Consortia / Joint Ventures / Sub-contractors are involved, each party must be registered on the Central Supplier Database and their tax compliance status will be verified through the Central Supplier Database.

Transnet urges its clients, suppliers and the general public to report any fraud or corruption to

TIP-OFFS ANONYMOUS:



Ethics Helpdesk (pty) LTD.
Ethics Management System™

You can choose to be Anonymous or Non-Anonymous on ANY of the platforms
PLEASE RETAIN YOUR REFERENCE NUMBER



AI Voice BoT "Jack"

Speak to our AI Voice Chat Bot "JACK", you converse with him like chatting to a human, with the option to record a message and speak to an agent at anytime.



What's App

Speak to an Agent via What's App.



Speak to an Agent

Speak to an Agent via the platform with no call or data charge



Telegram

Speak to an Agent via Telegram



0800 003 056



086 551 4153



reportit@ethicshelpdesk.com



***120*0785980808#**

SECTION 3: BACKGROUND, OVERVIEW AND SCOPE OF REQUIREMENTS

1 BACKGROUND

On October 6th and 13th 2021, a fire broke out on the G02, H01, H03, H05, H06, V01, V02 and V51 galleries respectively, causing catastrophic failure of the galleries and damaging the wagon load outstation.

3. As a result of this catastrophic fire, the following infrastructure requires demolishing, refurbishment and rebuild as per the engineering report, namely:

- Infrastructure to export RBGT Export Coal and TRONOX Sands (Conveyor H03)
- Infrastructure required to import FOSKOR Sulphur (Conveyors H02 & H05).
- Infrastructure required to import AMSA Coking Coal; and (Bateman Tower, G02, Conveyors H01, V01, V02 & H00).
- H&V Conveyor Transfer House.
- HBI Transfer Houses.

2 EXECUTIVE OVERVIEW

Whereas Transnet is seeking a partner(s) to provide solutions for its DISMANTLING OF BATEMAN TRAIN LOADDOUT STATION AND DISMANTLING OF H,V,U GALLERY STEEL STRUCTURES, H&V TRANSFER TOWER, GRINDROD TRANSFER TOWER AND FOSKOR TRANSFER TOWER AT THE PORT OF RICHARDS BAY, it also seeks to improve its current processes for providing these Goods to its end user community throughout its locations.

The selected Supplier(s) must share in the mission and business objectives of Transnet. These mutual goals will be met by meeting contractual requirements and new challenges in an environment of teamwork, joint participation, flexibility, innovation and open communications. In this spirit of partnership, Transnet and its Supplier(s) will study the current ways they do business to enhance current practices and support processes and systems. Such a partnership will allow Transnet to reach higher levels of quality, service and profitability.

Specifically, Transnet seeks to benefit from this partnership in the following ways:

- 2.1 Transnet must receive reduced cost of acquisition and improved service benefits resulting from the Supplier's economies of scale and streamlined service processes.
- 2.2 Transnet must achieve appropriate availability that meets user needs while reducing costs for both Transnet and the chosen Supplier(s).
- 2.3 Transnet must receive proactive improvements from the Supplier with respect to supply of Goods and related processes.
- 2.4 Transnet's overall competitive advantage must be strengthened by the chosen Supplier's leading edge technology and service delivery systems.
- 2.5 Transnet end users must be able to rely on the chosen Supplier's personnel for service enquiries, recommendations and substitutions.
- 2.6 Transnet must reduce costs by streamlining its acquisition of Goods, including managed service processes on a Group basis.

3 SCOPE OF REQUIREMENTS

Please refer to **Annexure A** for a detailed scope of works

4 GREEN ECONOMY / CARBON FOOTPRINT

Transnet wishes to have an understanding of your company's position with regard to environmental commitments, including key environmental characteristics such as waste disposal, recycling and energy conservation. *Please submit details of your entity's policies in this regard.*

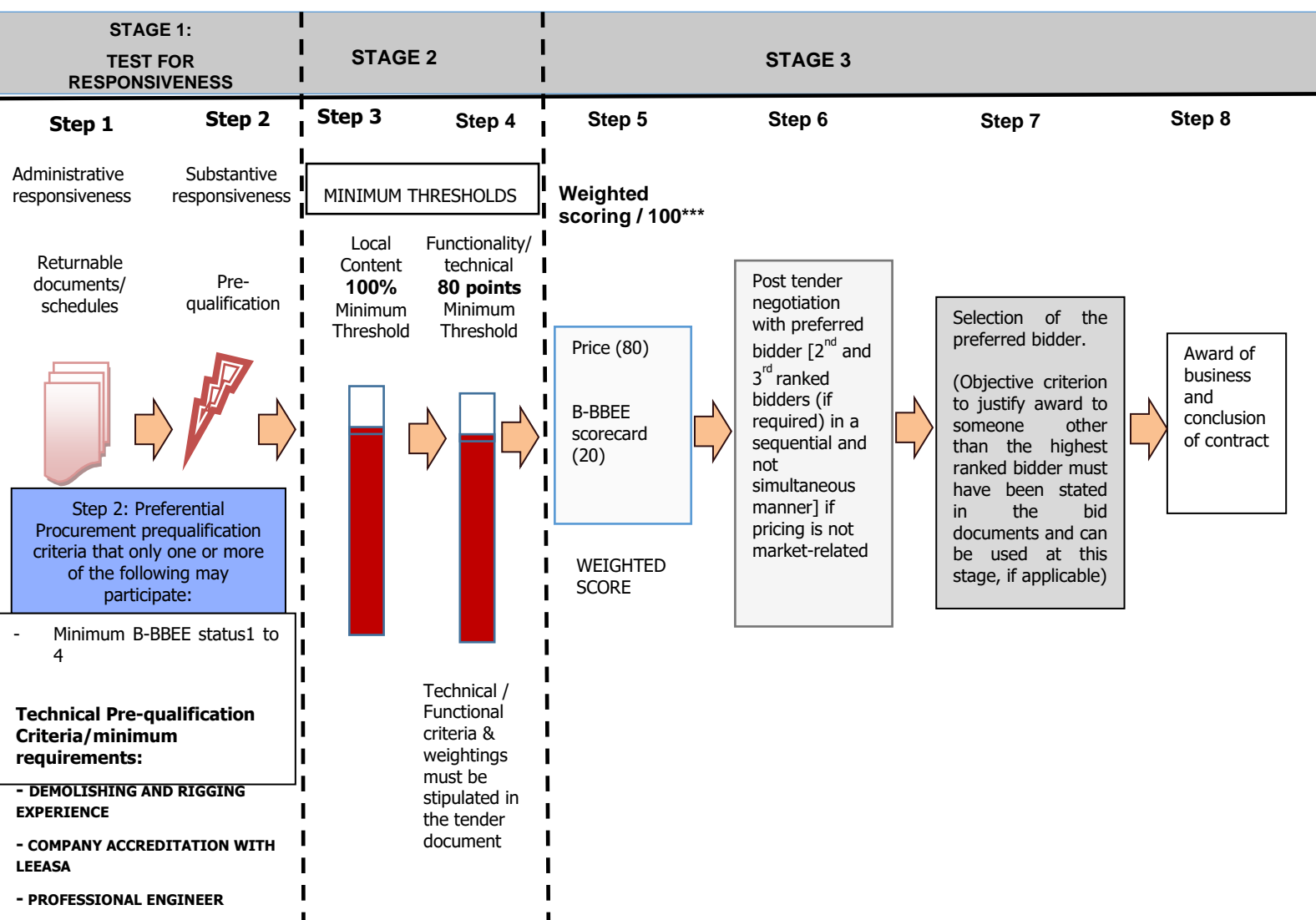
5 GENERAL SUPPLIER OBLIGATIONS

5.1 The Supplier(s) shall be fully responsible to Transnet for the acts and omissions of persons directly or indirectly employed by them.

5.2 The Supplier(s) must comply with the requirements stated in this RFP.

6 EVALUATION METHODOLOGY

Transnet will utilise the following methodology and criteria in selecting a preferred Supplier:



NB: Evaluation of the various stages will normally take place in a sequential manner. However, in order to expedite the process, Transnet reserves the right to conduct the different stages of the evaluation process in parallel. In such

Respondent's Signature

Date & Company Stamp

instances the evaluation of bidders at any given stage must not be interpreted to mean that bidders have necessarily passed any previous stage(s)

6.1 **STEP ONE: Test for Administrative Responsiveness**

The test for administrative responsiveness will include the following:

Administrative responsiveness check	RFP Reference
<ul style="list-style-type: none"> Whether the Bid has been lodged on time 	<i>Section 1 paragraph 3</i>
<ul style="list-style-type: none"> Whether all Returnable Documents and/or schedules [where applicable] were completed and returned by the closing date and time 	<i>Section 5</i>
<ul style="list-style-type: none"> Verify the validity of all returnable documents 	<i>Section 5</i>
<ul style="list-style-type: none"> Verify if the Bid document has been duly signed by the authorised respondent 	<i>All sections</i>

The test for administrative responsiveness [Step One] must be passed for a Respondent's Proposal to progress to Step Two for further pre-qualification

6.2 **STEP TWO: Test for Substantive Responsiveness to RFP**

The test for substantive responsiveness to this RFP will include the following:

Check for substantive responsiveness	RFP Reference
<ul style="list-style-type: none"> Whether any general pre-qualification criteria set by Transnet, have been met 	<i>All sections including: Section 2 paragraphs 2.2, 6, 12.2, General Bid Conditions clause 20</i>
<ul style="list-style-type: none"> Whether the Bid contains a priced offer 	<i>Section 4</i>
<ul style="list-style-type: none"> Whether the Bid materially complies with the scope and/or specification given 	<i>All Sections</i>
<ul style="list-style-type: none"> Whether any Technical pre-qualification set by Transnet have been met as follows: <ul style="list-style-type: none"> DEMOLISHING AND RIGGING EXPERIENCE COMPANY ACCREDITATION WITH LEEASA PROFESSIONAL ENGINEER AND ELECTRICAL TRADESMAN 	<i>Section 3 – Scope of Work Annexure A</i>
<ul style="list-style-type: none"> Whether any set prequalification criteria for preferential procurement have been met: <ul style="list-style-type: none"> Indicate the minimum B-BBEE threshold level 1 to 4. Local Content Annexure D and E 	<i>Section 2 - Paragraph 6</i>
<ul style="list-style-type: none"> Entity's financial stability 	

The test for substantive responsiveness [Step Two] must be passed for a Respondent's Proposal to progress to Step Three for the evaluation of Local Content

6.3 STTEP THREE: Minimum Threshold for Local Content


Local Production and Content Threshold	RFP REFERENCE
<ul style="list-style-type: none"> A minimum threshold of 100% is required for Local Content of Services offered 	Section 2, paragraph 7 Annexures B and C

The test for meeting the Local Content threshold [Step Three] must be passed for a Respondent's proposal to progress to Step Four for further evaluation

- Respondents are to note that Transnet will not round off final Local Content scores for the purposes of determining whether the Local Content threshold has been met.
- A bid that fails to meet the minimum stipulated threshold for local production and content will be regarded as an unacceptable bid.

6.4 STEP FOUR: Minimum Threshold of 80 points for Technical Criteria and Functional Requirements

The test for the Technical and Functional threshold will include the following:

Rev05		Part Dismantling of Bateman Train Loadout Station (Minimum Requirement Guideline) and Dismantling of Bateman Train Loadout Station and Dismantling of H,V,U gallery steel structures, H&V transfer tower, Grindrod transfer tower and Foskor transfer tower in the Port of Richards Bay			
CRITERIA		DESCRIPTION	WEIGHT (Points) %	SCORING PRINCIPAL	RETURNABLE SCHEDULE
ELIGIBILITY	1. Heavy Equipment, structures Demolishing and Rigging Experience	<p>The service provider must have proven capability in dismantling and rigging of heavy equipment and structures. The service provider is to provide 3 contactable references of work carried out in the past 5 years of a similar nature. Similar nature is defined as damaged infrastructure where stability is unknown (necessary rigging and engineering studies to be completed)</p> <p>The references must specify the project name or plant where work was completed; date of shutdown or project and the weights lifted.</p>	N/A	Y/N	T2.2-1

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	2. Member of LEEASA	The service provider is to submit a certificate to prove that, the service provider is a member of LEEASA (Lifting equipment Engineering Association of South Africa).	N/A	Y/N	T2.2-2
	3. Professional Engineer	The service provider is required to appoint a registered Structural engineer with a min of 5 years experience in dismantling and demolishing designs, to signoff all demolishing plans and temporal works that is required. The engineer will need to certify the tie in, intersection points of structures that needs to remain and demolished. Transnet is planning to reuse sections or portions of the structures that has not been condemned by structural engineer report therefor total care is required during the demolition not to cause additional damages on the remaining structures.	N/A	Y/N	T2.2-3
	3. Electrical Tradesman	The service provider is required to appoint a Electrical Tradesman with a min of 5 years experience in similar types of works, to test all remaining cables in the area of the works and signoff as safe, prior to the works commencing.	N/A	Y/N	T2.2-3
	4. Method statement	Tenderer to provide a method statement for the Project which responds to the scope of work and outlines the proposed methodology including that related to the project programme and high level project schedule.	40	Contractor's health and safety requirements No requirement submitted = 0 Environmental requirements according to the scope of works = 02 point Safety requirements according to the scope of works requirements = 02 point Contractor site establishment	T2.2-4
MEASURED CRITERIA					

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				<p>Contractor site establishment requirements as per the scope of works = 01 points No site establishment requirements submitted = 0</p> <p>Dismantling plan No dismantling plan submitted = 0 Dismantling plan of the Bateman tower as per the scope of works = 05point Dismantling plan of the conveyors, galleries, transfer houses = 05 point</p> <p>Bateman train load out station dismantling Less than 8 dismantling task submitted = 0 All 8 dismantling task covered as per scope of works = 10</p> <p>Corrosion protection of surface rust No corrosion protection submitted = 0 Corrosion protection of surface rust = 02</p> <p>Dismantling of H,V,U gallery steel structures, H,V and U transfer tower less 12 task dismantling H,V,U gallery steel structures, H,V and U transfer tower =0 All 12 task dismantling H,V,U gallery steel structures, H,V and U transfer tower = 10</p> <p>Protection of power & control cables No Protection of power & control cables submitted = 0 Protection of power & control cables method submitted = 1 points</p> <p>Debris and waste handling No Debris and waste handling = 0 Debris and waste handling as per the scope of works = 02 points</p>	
	5. Competency and Experience of the rigging Supervisors	The service provider is expected to confirm the competency of the rigging Supervisors by submitting certified verified copies of rigging trade tests certificates from recognised institutions and Supervisors experience by submission of CV's. The service provider is expected to supply three (3x) rigging Supervisors with at least eight (8) years of rigging.	30	<p>The service provider is expected to supply three (3x) rigging Supervisors CVs with at least (10) years of rigging experience = 30 points with at least (09) years of rigging experience = 25 points with at least (08) years of rigging experience = 20 points Experience less than 8 years = 0 points</p>	T2.2-5

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	6. Construction delivery lead time	Lead time from occupation award to completion of Dismantling of Bateman Tower, H,V,U gallery steel structures, H,V and U transfer tower, Grindrod transfer tower and Foskor transfer tower	30	less than or equal to 12 weeks = 30 points more than 12 weeks or less than equal to 14 weeks = 25 points more than 14 weeks or less than equal to 16 weeks = 20 points more than 16 weeks or less than equal to 18 = 15 points more than 18 weeks or less than equal to 20 weeks = 10 points more than 20 weeks equal = 0 points	T2.2-6
Technical thresh hold = 80%					

A Respondent's compliance with the minimum functionality/technical threshold will be measured by their responses to Annexure **T2.2-04 to T2.2-06**.

Respondents are to note that Transnet will round off final technical scores to the nearest 2 (two) decimal places for the purposes of determining whether the technical threshold has been met.

The minimum threshold for technical/functionality [Step Four] must be met or exceeded for a Respondent's Proposal to progress to Step Five for final evaluation

6.5 **STEP FIVE: Evaluation and Final Weighted Scoring**

a) **Price Criteria** [Weighted score 80points]:

Transnet will utilise the following formula in its evaluation of Price:

$$Ps = 80 \left(1 - \frac{Pt - P \min}{P \min} \right)$$

Where:

Ps = Score for the Bid under consideration
 Pt = Price of Bid under consideration
 $Pmin$ = Price of lowest acceptable Bid

b) **Broad-Based Black Economic Empowerment criteria** [Weighted score 20 points]

- B-BBEE - current scorecard / B-BBEE Preference Points Claims Form

Preference points will be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table indicated in Section 4.1 of the B-BBEE Preference Point Claim Form.

6.6 **SUMMARY: Applicable Thresholds and Final Evaluated Weightings**

Threshold	Minimum Threshold
Local Content	100%
Technical / functionality	80 points

Evaluation Criteria	Final Weighted Scores
Price and Total Cost of Ownership	80
B-BBEE - Scorecard	20
TOTAL SCORE:	100

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6.7 STEP SIX: Post Tender Negotiations (if applicable)

- Respondents are to note that Transnet may not award a contract if the price offered is not market-related. In this regard, Transnet reserves the right to engage in PTN with the view to achieving a market-related price or to cancel the tender. Negotiations will be done in a sequential manner i.e.:
 - first negotiate with the highest ranked bidder or cancel the bid, should such negotiations fail,
 - negotiate with the 2nd and 3rd ranked bidders (if required) in a sequential manner.
- In the event of any Respondent being notified of such short-listed/preferred bidder status, his/her bid, as well as any subsequent negotiated best and final offers (BAFO), will automatically be deemed to remain valid during the negotiation period and until the ultimate award of business.
- Should Transnet conduct post tender negotiations, Respondents will be requested to provide their best and final offers to Transnet based on such negotiations. Where a market related price has been achieved through negotiation, the contract will be awarded to the successful Respondent(s).

6.8 STEP SEVEN: Objective Criteria (if applicable)

Transnet reserves the right to award the business to the highest scoring bidder/s unless objective criteria justify the award to another bidder. The objective criteria Transnet may apply in this bid process include:

- all Risks identified during a risk assessment exercise/probity check (which may be conducted by an authorised third party) that would be done to assess all risks, including but not limited to:
 - the financial stability of the bidder based on key ratio analysis, which would include, but not be limited to Efficiency, Profitability, Financial Risk, Liquidity, Acid Test, and Solvency;
 - a due diligence to assess functional capability and capacity. This could include a site visit;
 - A commercial relationship with a Domestic Prominent Influential Person (DPIP) or Foreign Prominent Public Official (FPPO) or an entity of which such person or official is the beneficial owner; and
 - Reputational and Brand risks

6.9 STEP EIGHT: Award of business and conclusion of contract

- Immediately after approval to award the contract has been received, the successful bidder(s) will be informed of the acceptance of his/their Bid by way of a Letter of Award. Thereafter the final contract will be concluded with the successful Respondent(s).
- A final contract will be concluded and entered into with the successful Bidder at the acceptance of a letter of award by the Respondent.

SECTION 4 : PRICING AND DELIVERY SCHEDULE

Respondents are required to complete the table below:

Price Schedule

MANDATORY

Price Schedule

The details given below serve as guidelines only and the *service provider* may split or combine the activities to suit his particular methods.

Activity No.	Activity	Price of each activity
A	P&G's and consumables	
A.1	Induction and site access	
A.2	Supervision	
A.3	Health and Safety	
A.4	Professional structural engineer	
A.5	Consumables: Gas to cut, fuel for power plant, PPE, Tools, cutting disks, transport	
A.6	Attending Meetings as stated in the works information	
B	Establishment and De-Establishment:	
B.1	Contractor Site establishment as stated in the work information	
B.2	Contractor's Site De-Establishment	
C	Dismantle part of the Bateman Train Load Outstation	
C.1	Allow provision for the tower access	
C.2	Remove Penthouse	
C.3	Remove Cylindrical silo (Bin) with stair case complete from level 36300 to level 27890	
C.4	Remove remaining sheeting	
C.5	Remove Frustum pyramid section with staircase and landings from level 27400 to 22290	
C.6	Remove Surge bin ,profiling chute and staircase from level 22290 to level 200 -	
C.7	Remove remaining structure and clean-up site – Transport all redundant material to allocated laydown area	
C.8	Removal of hydraulic cylinders, piping, disposing of hydraulic oils and lubrication	
C.9	Removal of all grease lubrication points and disposal	
C.10	Operators room required works	
C.11	Allow provision for sandblasting	
C.12	Carry out corrosion protection of surface rust	

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C.13	Security gate for operators room and hydraulics room	
D	Dismantling of H,V,U gallery steel structures, H&V transfer tower, Grindrod transfer tower and Foskor transfer tower	
D.1	Strip and remove all the structural steel and stockpile the structural steel in a designated place	
D.1.1	Foskor transfer house	
D.1.2	Grindrod transfer house	
D.1.3	H05 & H03 gallery	
D.1.4	H&V Conveyors transfer house	
D.1.5	H01, H02 & H03 gallery	
D.1.6	H00 conveyor	
D.1.7	H01 Conveyor	
D.1.8	H02 Conveyor	
D.1.9	H03 Conveyor	
D.1.10	H05 Conveyor	
D.1.11	V01 Conveyor	
D.1.12	V02 Conveyor	
D2	Protection of Power & Control Cables	
D.2.1	Protection of all temporary power and control cables	
E3	Removal of all conveyors structural steel damaged by the fire	
E.3.1	Structural	
	i.Stringers at drive end	
	ii. Head incline legs	
	iii. Head pulley support frames	
	iv. Drive & Head Pulley support frames	
	v. Take-up & Tail end stringers	
	vi. Head incline stringers	
	vii. Take-Ups	
	viii. Transition stringers	
	ix. Stringer modules	
	x. Head, intermediate chutes and skirt boxes.	
E.3.2	Mechanicals	
	i. Head pulleys	
	ii. Head snub pulleys	
	iii. Drive pulleys	
	iv. Drive snub pulleys	
	v. Return bend pulleys	
	vi. Take-up bend pulleys	
	vii. Tail pulleys	
	viii. Conveyor drives c/w motor and gearbox base	
	ix. Troughing and return idlers	
	x. Belt cleaning equipment	
	xi. Flame retardant conveyor belt.	

E.3.3	Electrical	
	i. MV and LV power cables	
	ii. Control cables	
	iii. Cable Racking	
	iv. Siren relay panels	
	v. Electrical junction boxes	
	vi. Local control stations	
	vii. Cable junction boxes	
	viii. Field devices	
	ix. Luminaries.	
E.3.4	Gallery Portal Structure	
	I. HBI Gallery	
	II. Coking Coal Import gallery	
	III. Gallery concrete works	
E.3.5	Transfer Houses	
	III. H00, H01, complete demolishing up to the HV transfer house	
	IV. U03 joining span to H03, H02 conveyor	
F	Fire Detection and suppression	
F.1	Removal of all fire detection and suppression equipment damaged by the fire.	
	I. Fire ring main, deluge valves, sprinkler valves, sprinkler and hydrant system throughout the two (2) galleries that are affected by the fire	
	II. Main line tie-off equipment for sprinkler, hydrant and deluge piping at the fire affected galleries.	
	III. Fire sprinklers on the troughing and return belt side of the belt	
	IV. Fire hose reels and hoses	
	V. Fire detection and control system	
	VI. Fire extinguishers.	
F.2	Potable water (Galleries and Transfer Houses)	
F.2.1	Removal of all potable water supply for washing purposes damaged by the fire.	
	I. Ring main line system throughout the two galleries, the green line	
	II. Main line tie-off equipment	
	III. Isolation valves at 50m intervals fixed to the portal columns.	
F.2.2	Lighting (Galleries and Transfer Houses)	
	I. Industrial High-Power LED High Bay light fittings inside the galleries at the required distances.	
	II. Industrial Loading Bay LED lighting at the transfer houses.	
	III. Emergency LED High Bay light fittings in the respective galleries.	
F.3	Conveyor gallery and transfer houses Survey	

F.4	Structural survey	
F.5	Dismantling plan and stability report including calculations	
F.6	Soil contamination test/assessment	
F.7	Temporary Supports	
F.8	Protection of traffic	
F.9	Debris and waste handling	
G	Disposal	
G.1	Safety disposal of asbestos materials to a registered dump site, Including monthly rental of an 28.m ³ "Ro-Ro" storage bin.	
H	Compliance	
H.1	Health and Safety Management	
H.1.1	Health and Safety Compliance	
H.1.2	Contractor OHS compliance	
H.1.3	Risk assessments	
H.1.4	SHE file with mandatory documents	
H.1.5	Design for H&E report	
H.1.6	HAZOP & HAZCON report	
H.1.7	Contractor Health and Safety management plan	
H.1.8	Lift studies	
H.1.9	COVID 19 Compliance	
H.2	Quality management	
H.2.1	Quality Management Plan	
H.2.2	QCP's	
H.2.3	Quality management services during the project	
H.2.4	Quality Compliance	
H.3	Environmental Management	
H.3.1	Environmental Compliance	
H.3.2	Environmental Management plan	
H.3.3	COVID 19 Compliance	
H.3.4	Environmental Audits	
I	Total of the Prices(Excluding 15% VAT)	

* This activity schedule is based on the initial scope of works as agreed on. Scope and timelines for deliverables may be modified due to changes in circumstances, with written consent required from both parties.

Notes to Pricing:

- a) Respondents are to note that if the price offered by the highest scoring bidder is not market-related, Transnet may not award the contract to that Respondent. Transnet may-
 - (i) negotiate a market-related price with the Respondent scoring the highest points or cancel the RFP;
 - (ii) if that Respondent does not agree to a market-related price, negotiate a market-related price with the Respondent scoring the second highest points or cancel the RFP;

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(iii) if the Respondent scoring the second highest points does not agree to a market-related price, negotiate a market-related price with the Respondent scoring the third highest points or cancel the RFP.

If a market-related price is not agreed with the Respondent scoring the third highest points, Transnet must cancel the RFP.

- b) All Prices must be quoted in South African Rand inclusive of VAT.
- c) To facilitate like-for-like comparison bidders must submit pricing strictly in accordance with this pricing schedule and not utilise a different format. Deviation from this pricing schedule could result in a bid being declared non-responsive.
- d) Quantities given are estimates only. Any orders resulting from this RFP will be on an "as and when required" basis.
- e) Please note that should you have offered a discounted price(s), Transnet will only consider such price discount(s) in the final evaluation stage if offered on an unconditional basis.
- f) Where a Respondent's price(s) includes imported content, the rate of exchange to be used must be the currency's rate published by the South African Reserve Bank on the date of the advertisement of the bid:

Currency rate of exchange utilised: _____

- g) Respondents, if awarded the contract, are required to indicate that their prices quoted would be kept firm and fixed for the contract duration. [Not to be confused with bid validity period Section 2, clause 1]

YES	
------------	--

1 DISCLOSURE CONTRACT INFORMATION

PRICES TENDERED

Respondents are to note that, on award of business, Transnet is required to publish the tendered prices and preferences claimed of the successful and unsuccessful Respondents *inter alia* on the National Treasury e-Tender Publication Portal, (www.etenders.gov.za), as required per National Treasury Instruction Note 01 of 2015/2016.

JOHANNESBURG STOCK EXCHANGE DEBT LISTING REQUIREMENTS

Transnet may also be required to disclose information relating to the subsequent contract i.e. the name of the company, goods/services provided by the company, the value and duration of the contract, etc. in compliance with the Johannesburg Stock Exchange (JSE) Debt Listing Requirements.

DOMESTIC PROMINENT INFLUENTIAL PERSONS (DPIP) OR FOREIGN PROMINENT PUBLIC OFFICIALS (FPPO)

Transnet is free to procure the services of any person within or outside the Republic of South Africa in accordance with applicable legislation. Transnet shall not conduct or conclude business transactions, with any Respondents without having:

- Considered relevant governance protocols;
- Determined the DPIP or FPPO status of that counterparty; and
- Conducted a risk assessment and due diligence to assess the potential risks that may be posed by the business relationship.

As per the Transnet Domestic Prominent Influential Persons (DPIP) and Foreign Prominent Public Officials (FPPO) and Related Individuals Policy available on Transnet website <https://www.transnet.net/search/pages/results.aspx?k=FPIDP#k=DPIP>, Respondents are required to disclose any commercial relationship with a DPIP or FPPO (as defined in the Policy) by completing the following section:

The below form contains personal information as defined in the Protection of Personal Information Act, 2013 (the "Act"). By completing the form, the signatory consents to the processing of her/his personal information in accordance with the requirements of the Act. Consent cannot unreasonably be withheld.						
Is the Respondent (Complete with a "Yes" or "No")						
A DPIP/FPPO		Closely Related to a DPIP/FPPO		Closely Associated to a DPIP/FPPO		
List all known business interests, in which a DPIP/FPPO may have a direct/indirect interest or significant participation or involvement.						
No	Name of Entity / Business	Role in the Entity / Business (Nature of interest/ Participation)	Shareholding %	Registration Number	Status (Mark the applicable option with an X)	
					Active	Non-Active
1						
2						
3						

Respondents declaring a commercial relationship with a DPIP or FPPO are to note that Transnet is required to annually publish on its website a list of all business contracts entered into with DPIP or FPPO. This list will include successful Respondents, if applicable.

2 RISK

Respondents must elaborate on the control measures put in place by their entity, which would mitigate the risk to Transnet pertaining to potential non-performance by the Respondents, in relation to:

2.1 Quality and specification of Goods delivered:

2.2 Continuity of supply:

2.3 Compliance with the Occupational Health and Safety Act, 85 of 1993:

SIGNED at _____ on this _____ day of _____ 20____

Respondent's Signature

Date & Company Stamp

SIGNATURE OF WITNESSES

ADDRESS OF WITNESSES

1 _____

Name _____

2 _____

Name _____

SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE: _____

NAME: _____

DESIGNATION: _____

Respondent's Signature

Date & Company Stamp

SECTION 5 : PROPOSAL FORM AND LIST OF RETURNABLE DOCUMENTS

I/We _____
 [name of entity, company, close corporation or partnership] of [full address]

carrying on business trading/operating as

represented by _____
 in my capacity as _____

being duly authorised thereto by a Resolution of the Board of Directors or Members or Certificate of Partners, dated _____ to enter into, sign execute and complete any documents relating to this proposal and any subsequent Agreement. The following list of persons are hereby authorised to negotiate on behalf of the abovementioned entity, should Transnet decide to enter into Post Tender Negotiations with highest ranked bidder(s).

FULL NAME(S)	CAPACITY	SIGNATURE
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

I/We hereby offer to supply the abovementioned Goods at the prices quoted in the schedule of prices in accordance with the terms set forth in the documents listed in the accompanying schedule of RFP documents.

I/We agree to be bound by those conditions in Transnet's:

- a) Master Agreement (which may be subject to amendment at Transnet's discretion if applicable);
- b) General Bid Conditions; and
- c) any other standard or special conditions mentioned and/or embodied in this Request for Proposal.

I/We accept that unless Transnet should otherwise decide and so inform me/us in the letter of award, this Proposal [and, if any, its covering letter and any subsequent exchange of correspondence], together with Transnet's acceptance thereof shall constitute a binding contract between Transnet and me/us.

Should Transnet decide that a formal contract should be signed and so inform me/us in a letter of award [the **Letter of Award**], this Proposal [and, if any, its covering letter and any subsequent exchange of correspondence] together with Transnet's Letter of Award, shall constitute a binding contract between Transnet and me/us until the formal contract is signed.

I/We further agree that if, after I/we have been notified of the acceptance of my/our Proposal, I/we fail to enter into a formal contract if called upon to do so, or fail to commence the provision of services within 2 [two] weeks thereafter, Transnet may, without prejudice to any other legal remedy which it may have, recover from me/us any expense to which it may have been put in calling for Proposals afresh and/or having to accept any less favourable Proposal.

 Respondent's Signature

 Date & Company Stamp

Furthermore, I/we agree to a penalty clause/s to be negotiated with Transnet, which will allow Transnet to invoke a penalty against us for non-compliance with material terms of this RFP including the delayed delivery of the Goods due to non-performance by ourselves, failure to meet Local Content etc.

I/we agree that non-compliance with any of the material terms of this RFP, including those mentioned above, will constitute a material breach of contract and provide Transnet with cause for cancellation.

ADDRESS FOR NOTICES

The law of the Republic of South Africa shall govern any contract created by the acceptance of this RFP. The *domicilium citandi et executandi* shall be a place in the Republic of South Africa to be specified by the Respondent hereunder, at which all legal documents may be served on the Respondent who shall agree to submit to the jurisdiction of the courts of the Republic of South Africa. Foreign Respondents shall, therefore, state hereunder the name of their authorised representative in the Republic of South Africa who has the power of attorney to sign any contract which may have to be entered into in the event of their Proposal being accepted and to act on their behalf in all matters relating to such contract.

Respondent to indicate the details of its *domicilium citandi et executandi* hereunder:

Name of Entity:

Facsimile:

Address:

NOTIFICATION OF AWARD OF RFP

As soon as possible after approval to award the contract(s), the successful Respondent [**the Supplier**] will be informed of the acceptance of its Proposal. Unsuccessful Respondents will be advised in writing of the name of the successful Supplier and the reason as to why their Proposals have been unsuccessful, for example, in the category of price, delivery period, quality, B-BBEE status or for any other reason.

VALIDITY PERIOD

Transnet requires a validity period of 180 [One Hundred and Eighty] Business Days [from closing date] against this RFP, excluding the first day and including the last day.

NAME(S) AND ADDRESS / ADDRESSES OF DIRECTOR(S) OR MEMBER(S)

The Respondent must disclose hereunder the full name(s) and address(s) of the director(s) or members of the company or close corporation [**C.C.**] on whose behalf the RFP is submitted.

(i) Registration number of company / C.C. _____

(ii) Registered name of company / C.C. _____

(iii) Full name(s) of director/member(s) Address/Addresses ID Number(s)

Respondent's Signature

Date & Company Stamp

RETURNABLE DOCUMENTS

Returnable Documents means all the documents, Sections and Annexures, as listed in the tables below. There are three types of returnable documents as indicated below and Respondents are urged to ensure that these documents are returned with their bids based on the consequences of non-submission as indicated below:

Mandatory Returnable Documents	<i>Failure to provide all these Mandatory Returnable Documents at the Closing Date and time of this RFP <u>will</u> result in a Respondent's disqualification.</i>
Returnable Documents Used for Scoring	<i>Failure to provide all Returnable Documents used for purposes of scoring a bid, by the closing date and time of this bid will not result in a Respondent's disqualification. However, Bidders will receive an automatic score of zero for the applicable evaluation criterion.</i>
Essential Returnable Documents	<i>Failure to provide essential Returnable Documents <u>will</u> result in Transnet affording Respondents a further opportunity to submit by a set deadline. Should a Respondent thereafter fail to submit the requested documents, this may result in a Respondent's disqualification.</i>

All Returnable Sections, as indicated in the header and footer of the relevant pages, must be signed, stamped and dated by the Respondent.

a) Mandatory Returnable Documents

Respondents are required to submit with their bid submissions the following **Mandatory Returnable Documents**, and also to confirm submission of these documents by so indicating [Yes or No] in the tables below:

MANDATORY RETURNABLE DOCUMENTS	SUBMITTED [Yes/No]
Section 1: SBD1 Form	
SECTION 4 : Pricing and Delivery Schedule	
ANNEXURE B – Declaration Certificate for Local Production and Content [SBD6.2] (SBD6.2 must be completed and submitted even if a complete Local Content exemption letter from DTI has been obtained)	
ANNEXURE C – Local Content Declaration: Summary Schedule (Annexure C must be completed and submitted even if a complete Local Content exemption letter from DTI has been obtained)	
A Local Content exemption letter from DTI (where applicable)	
ANNEXURE T2.2-01 to T2.2-03 Technical Pre-Qualification	
ANNEXURE T2.2-04 to T2.2-07: Technical Submission	
Valid proof of Respondent's compliance to B-BBEE requirements stipulated in Section 9 of this RFP	

Respondent's Signature

Date & Company Stamp

b) Returnable Documents Used for Scoring

In addition to the requirements of section (a) above, Respondents are further required to submit with their Proposals the following **Returnable Documents Used for Scoring** and also to confirm submission of these documents by so indicating [Yes or No] in the table below:

<u>RETURNABLE DOCUMENTS USED FOR SCORING</u>	SUBMITTED [Yes or No]
Valid proof of Respondent's compliance to B-BBEE requirements stipulated in Section 9 of this RFP	
T2.2-04 METHOD STATEMENT	
T2.2-05 COMPETENCY AND EXPERIENCE OF THE RIGGING SUPERVISORS	
T2.2-06 CONSTRUCTION DELIVERY LEAD TIME	

c) Essential Returnable Documents:

Over and the above the requirements of section (a) and (b) mentioned above, Respondents are further required to submit with their Proposals the following **Essential Returnable Documents** and also to confirm submission of these documents by so indicating [Yes or No] in the table below:

ESSENTIAL RETURNABLE DOCUMENTS & SCHEDULES	SUBMITTED [Yes or No]
In the case of Joint Ventures, a copy of the Joint Venture Agreement or written confirmation of the intention to enter into a Joint Venture Agreement	
Latest Financial Statements signed by your Accounting Officer or latest Audited Financial Statements plus 2 previous years.	
SECTION 5 : Proposal Form and List of Returnable documents	
SECTION 6 : Certificate Of Acquaintance with RFP, Terms & Conditions & Applicable Documents	
SECTION 7 : RFP Declaration and Breach of Law Form	
SECTION 8 : Clarification Request Form	
SECTION 9 : B-BBEE Preference Claim Form	
SECTION 10 : Certificate of attendance of compulsory / non-compulsory Site Meeting / RFP Briefing	
ANNEXURE D – Imported Content Declaration	
ANNEXURE E – Local Content Declaration	
SECTION 11: SBD 5 (NIPP)	
SECTION 12: Protection of Personal Information	

CONTINUED VALIDITY OF RETURNABLE DOCUMENTS

The successful Respondent will be required to ensure the validity of all returnable documents, including but not limited to its valid proof of B-BBEE status, for the duration of any contract emanating from this RFP. Should the Respondent be awarded the contract [**the Agreement**] and fail to present Transnet with such renewals as and

 Respondent's Signature

 Date & Company Stamp

when they become due, Transnet shall be entitled, in addition to any other rights and remedies that it may have in terms of the eventual Agreement, to terminate such Agreement immediately without any liability and without prejudice to any claims which Transnet may have for damages against the Respondent.

SIGNED at _____ on this _____ day of _____ 20____

SIGNATURE OF WITNESSES

ADDRESS OF WITNESSES

1 _____

Name _____

2 _____

Name _____

SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE: _____

NAME: _____

DESIGNATION: _____

Respondent's Signature

Date & Company Stamp

SECTION 6 : CERTIFICATE OF ACQUAINTANCE WITH RFP, MASTER AGREEMENT & APPLICABLE DOCUMENTS

By signing this certificate the Respondent is deemed to acknowledge that he/she has made himself/herself thoroughly familiar with, and agrees with all the conditions governing this RFP. This includes those terms and conditions contained in any printed form stated to form part hereof, including but not limited to the documents stated below. As such, Transnet SOC Ltd will recognise no claim for relief based on an allegation that the Respondent overlooked any such term or condition or failed properly to take it into account for the purpose of calculating tendered prices or any other purpose:

1	Transnet's General Bid Conditions
2	Master Agreement attached
3	Transnet's Supplier Integrity Pact
4	Non-disclosure Agreement
5	Specifications and drawings attached to this RFP (SOW)

Note: Should a Respondent be successful and awarded the bid, they will be required to complete a Supplier Declaration Form for registration as a vendor onto the Transnet vendor master database.

Should the Bidder find any terms or conditions stipulated in any of the relevant documents quoted in the RFP unacceptable, it should indicate which conditions are unacceptable and offer alternatives by written submission on its company letterhead, attached to its submitted Bid. Any such submission shall be subject to review by Transnet's Legal Counsel who shall determine whether the proposed alternative(s) are acceptable or otherwise, as the case may be. A material deviation from any term or condition may result in disqualification.

Bidders accept that an obligation rests on them to clarify any uncertainties regarding any bid to which they intend to respond on, before submitting the bid. **The Bidder agrees that he/she will have no claim or cause of action based on an allegation that any aspect of this RFP was unclear but in respect of which he/she failed to obtain clarity.**

The bidder understands that his/her Bid will be disqualified if the Certificate of Acquaintance with RFP documents included in the RFP as a returnable document, is found not to be true and complete in every respect.

SIGNED at _____ on this _____ day of _____ 20__

SIGNATURE OF WITNESSES

ADDRESS OF WITNESSES

1 _____

Name _____

2 _____

Name _____

SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE: _____

NAME: _____

DESIGNATION: _____

SECTION 7 : RFP DECLARATION AND BREACH OF LAW FORM

NAME OF ENTITY: _____

We _____ do hereby certify that:

1. Transnet has supplied and we have received appropriate responses to any/all questions [as applicable] which were submitted by ourselves for RFP Clarification purposes;
2. We have received all information we deemed necessary for the completion of this Request for Proposal [RFP];
3. We have been provided with sufficient access to the existing Transnet facilities/sites and any and all relevant information relevant to the Supply of the Goods as well as Transnet information and Employees, and have had sufficient time in which to conduct and perform a thorough due diligence of Transnet's operations and business requirements and assets used by Transnet. Transnet will therefore not consider or permit any pre- or post-contract verification or any related adjustment to pricing, service levels or any other provisions/conditions based on any incorrect assumptions made by the Respondent in arriving at his Bid Price;
4. At no stage have we received additional information relating to the subject matter of this RFP from Transnet sources, other than information formally received from the designated Transnet contact(s) as nominated in the RFP documents;
5. We are satisfied, insofar as our entity is concerned, that the processes and procedures adopted by Transnet in issuing this RFP and the requirements requested from Bidders in responding to this RFP have been conducted in a fair and transparent manner;
6. We have complied with all obligations of the Bidder/Supplier as indicated in the Transnet Supplier Integrity which includes but are not limited to ensuring that we take all measures necessary to prevent corrupt practices, unfairness and illegal activities in order to secure or in furtherance to secure a contract with Transnet;
7. We declare that a family, business and/or social relationship **exists / does not exist** [delete as applicable] between an owner / member / director / partner / shareholder of our entity and an employee or board member of Transnet including any person who may be involved in the evaluation and/or adjudication of this Bid;
8. We declare that an owner / member / director / partner / shareholder of our entity **is / is not** [delete as applicable] an employee or board member of Transnet;
9. In addition, we declare that an owner / member / director / partner / shareholder/employee of our entity **has / has not been** [delete as applicable] a former employee or board member of Transnet in the past 10 years. I further declare that if they were a former employee or board member of Transnet in the past 10 years that they **were/were not** involved in the bid preparation or had access to the information related to this RFP; and
10. If such a relationship as indicated in paragraph 7, 8 and/or 9 exists, the Respondent is to complete the following section:

Respondent's Signature_____
Date & Company Stamp

FULL NAME OF OWNER/MEMBER/DIRECTOR/
PARTNER/SHAREHOLDER/EMPLOYEE:

ADDRESS:

Indicate nature of relationship with Transnet:

[Failure to furnish complete and accurate information in this regard will lead to the disqualification of a response and may preclude a Respondent from doing future business with Transnet]. Information provided in the declarations may be used by Transnet and/or its affiliates to verify the correctness of the information provided]

11. We declare, to the extent that we are aware or become aware of any relationship between ourselves and Transnet [other than any existing and appropriate business relationship with Transnet] which could unfairly advantage our entity in the forthcoming adjudication process, we shall notify Transnet immediately in writing of such circumstances.

BIDDER'S DISCLOSURE (SBD4)

12 PURPOSE OF THE FORM

12.1 Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

12.2 Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

13 Bidder's declaration

13.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest¹ in the enterprise, employed by the state?

YES/NO

13.1.1. If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	Identity Number	Name of State institution

¹ the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

13.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution?

YES/NO

13.2.1. If so, furnish particulars:

.....
.....

13.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?

YES/NO

13.3.1. If so, furnish particulars:

.....
.....

14 DECLARATION

I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

14.1 I have read and I understand the contents of this disclosure;

14.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;

14.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.

14.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to

² Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.

14.5 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

14.6 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.

14.7 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 12, 13 and 14 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

BREACH OF LAW

We further hereby certify that *I/we* (the bidding entity and/or any of its directors, members or partners) ***have/have not been*** [delete as applicable] found guilty during the preceding 5 [five] years of a serious breach of law, including but not limited to a breach of the Competition Act, 89 of 1998, by a court of law, tribunal or other administrative body. The type of breach that the Respondent is required to disclose excludes relatively minor offences or misdemeanours, e.g. traffic offences. This includes the imposition of an administrative fine or penalty.

Where found guilty of such a serious breach, please disclose:

NATURE OF BREACH:

DATE OF BREACH: _____

Furthermore, *I/we* acknowledge that Transnet SOC Ltd reserves the right to exclude any Respondent from the bidding process, should that person or entity have been found guilty of a serious breach of law, tribunal or regulatory obligation.

SIGNED at _____ on this _____ day of _____ 20____

For and on behalf of _____ duly authorised hereto	AS WITNESS:
Name:	Name:
Position:	Position:
Signature:	Signature:
Date:	Registration No of Company/CC
Place:	Registration Name of Company/CC

Respondent's Signature_____
Date & Company Stamp

SECTION 8: RFP CLARIFICATION REQUEST FORM

RFP No: TPT/2022/06/0326/6155/RFP

RFP deadline for questions / RFP Clarifications: Before 12:00 pm on 18 November 2022.

TO: Transnet SOC Ltd
ATTENTION: Thabile Zuma/
EMAIL Thabile.Zuma@Transnet.net

DATE: _____

FROM: _____

RFP Clarification No [to be inserted by Transnet]

.....

REQUEST FOR RFP CLARIFICATION

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

Respondent's Signature

Date & Company Stamp

Respondent's Signature

Date & Company Stamp

SECTION 9: B-BBEE PREFERENCE POINTS CLAIM FORM

This preference form must form part of all bids invited. It contains general information and serves as a claim for preference points for Broad-Based Black Economic Empowerment [B-BBEE] Status Level of Contribution.

Transnet will award preference points to companies who provide valid proof of their B-BBEE status using either the latest version of the generic Codes of Good Practice or Sector Specific Codes (if applicable).

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 The value of this bid is estimated to **not exceed** R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable. Despite the stipulated preference point system, Transnet shall use the lowest acceptable bid to determine the applicable preference point system in a situation where all received acceptable bids are received outside the stated preference point system.

1.3 Preference points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contribution.

1.4 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTION	20
Total points for Price and B-BBEE must not exceed	100

1.5 Failure on the part of a bidder to submit proof of B-BBEE status level of contributor together with the bid will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.6 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

2. DEFINITIONS

- (a) **"all applicable taxes"** includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- (b) **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (c) **"B-BBEE status level of contributor"** means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good

Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;

- (d) **"bid"** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the supply/provision of services, works or goods, through price quotations, advertised competitive bidding processes or proposals;
- (e) **"Broad-Based Black Economic Empowerment Act"** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (f) **"EME"** means an Exempted Micro Enterprise as defines by Codes of Good Practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (g) **"functionality"** means the ability of a bidder to provide goods or services in accordance with specification as set out in the bid documents
- (h) **"Price"** includes all applicable taxes less all unconditional discounts.
- (i) **"Proof of B-BBEE Status Level of Contributor"**
 - (i) the B-BBEE status level certificate issued by an authorised body or person;
 - (ii) a sworn affidavit as prescribed by the B-BBEE Codes of Good Practice; or
 - (iii) any other requirement prescribed in terms of the B-BBEE Act.
- (j) **"QSE"** means a Qualifying Small EEnterprise as defines by Codes of Good Practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (k) **"rand value"** means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties.

3. POINTS AWARDED FOR PRICE

3.1 THE 80/20 PREFERENCE POINT SYSTEMS

A maximum of 80 points is allocated for price on the following basis:

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)^{80/20}$$

Where

P_s = Points scored for comparative price of bid under consideration

P_t = Comparative price of bid under consideration

P_{\min} = Comparative price of lowest acceptable bid

4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTION

- 4.1 In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (80/20 system)
1	20
2	18
3	14
4	12
5	8

6	6
7	4
8	2
Non-compliant contributor	0

- 4.2 The table below indicates the required proof of B-BBEE status depending on the category of enterprises:

Enterprise	B-BBEE Certificate & Sworn Affidavit
Large	Certificate issued by SANAS accredited verification agency
QSE	Certificate issued by SANAS accredited verification agency Sworn Affidavit signed by the authorised QSE representative and attested by a Commissioner of Oaths confirming annual turnover and black ownership (only black-owned QSEs - 51% to 100% Black owned) [Sworn affidavits must substantially comply with the format that can be obtained on the DTI's website at www.dti.gov.za/economic_empowerment/bee_codes.jsp .]
EME³	Sworn Affidavit signed by the authorised EME representative and attested by a Commissioner of Oaths confirming annual turnover and black ownership Certificate issued by CIPC (formerly CIPRO) confirming annual turnover and black ownership Certificate issued by SANAS accredited verification agency only if the EME is being measured on the QSE scorecard

- 4.3 A trust, consortium or joint venture (including unincorporated consortia and joint ventures) must submit a consolidated B-BBEE Status Level verification certificate for every separate bid.
- 4.4 Tertiary Institutions and Public Entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.
- 4.5 A person will not be awarded points for B-BBEE status level if it is indicated in the bid documents that such a bidder intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.
- 4.6 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.
- 4.7 Bidders are to note that the rules pertaining to B-BBEE verification and other B-BBEE requirements may be changed from time to time by regulatory bodies such as National Treasury or the DTI. It is the Bidder's responsibility to ensure that his/her bid complies fully with all B-BBEE requirements at the time of the submission of the bid.

5. BID DECLARATION

- 5.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

6. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 6.1

- 6.1 B-BBEE Status Level of Contribution: . =(maximum of 20 points)

³ In terms of the Implementation Guide: Preferential Procurement Regulations, 2017, Version 2, paragraph 11.11 provides that in the Transport Sector, EMEs can provide a letter from accounting officer or get verified and be issued with a B-BBEE certificate by SANAS accredited professional or agency as the Transport Sector Code has not been aligned to the generic Codes. EMEs in the Transport Sector are not allowed to provide a Sworn Affidavit as the generic codes are not applicable to them.

(Points claimed in respect of paragraph 6.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

7. SUB-CONTRACTING

7.1 Will any portion of the contract be sub-contracted?

(*Tick applicable box*)

YES		NO	
-----	--	----	--

7.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted.....%
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....
- iv) Whether the sub-contractor is an EME or QSE.

(*Tick applicable box*)

YES		NO	
-----	--	----	--

- v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations, 2017:

Designated Group: An EME or QSE which is at last 51% owned by:	EME ✓	QSE ✓
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

8. DECLARATION WITH REGARD TO COMPANY/FIRM

8.1 Name of company/firm:.....

8.2 VAT registration number:.....

8.3 Company registration number:.....

8.4 TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One person business/sole propriety
- ☐ Close corporation
- ☐ Company
- ☐ (Pty) Limited

[TICK APPLICABLE BOX]

8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

8.6 COMPANY CLASSIFICATION

- ☐ Manufacturer
- ☐ Supplier
- ☐ Professional Supplier
- ☐ Other Suppliers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

- 8.7 Total number of years the company/firm has been in business:.....
- 8.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:
- i) The information furnished is true and correct;
 - ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
 - iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
 - iv) If a bidder submitted false information regarding its B-BBEE status level of contributor, local production and content, or any other matter required in terms of the Preferential Procurement Regulations, 2017 which will affect or has affected the evaluation of a bid, or where a bidder has failed to declare any subcontracting arrangements or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) if the successful bidder subcontracted a portion of the bid to another person without disclosing it, Transnet reserves the right to penalise the bidder up to 10 percent of the value of the contract;
 - (e) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
 - (f) forward the matter for criminal prosecution.

WITNESSES

1.

2.

.....
SIGNATURE(S) OF BIDDERS(S)

DATE:

ADDRESS.....

SECTION 10 : CERTIFICATE OF ATTENDANCE OF COMPULSORY RFP BRIEFING

It is hereby certified that –

1. _____

2. _____

Representative(s) of _____ *[name of entity]*

attended the site meeting / RFP briefing in respect of the proposed Goods to be supplied in terms of this
RFP on _____ 20____

TRANSNET'S REPRESENTATIVE

RESPONDENT'S REPRESENTATIVE

DATE _____

DATE _____

EMAIL _____

NOTE:

This certificate of attendance must be filled in duplicate, one copy to be kept by Transnet and the other copy to be kept by the bidder.

SECTION 11: SBD 5

This document must be signed and submitted together with your bid

THE NATIONAL INDUSTRIAL PARTICIPATION PROGRAMME**INTRODUCTION**

The National Industrial Participation Programme (NIPP), which is applicable to all government procurement contracts that have an imported content, became effective on the 1 September 1996. The NIP policy and guidelines were fully endorsed by Cabinet on 30 April 1997. In terms of the Cabinet decision, all state and parastatal purchases / lease contracts (for goods, works and services) entered into after this date, are subject to the NIPP requirements. NIPP is obligatory and therefore must be complied with. The Industrial Participation Secretariat (IPS) of the Department of Trade and Industry (DTI) is charged with the responsibility of administering the programme.

1. PILLARS OF THE PROGRAMME

1.1 The NIPP obligation is benchmarked on the imported content of the contract. Any contract having an imported content equal to or exceeding US\$5 million or other currency equivalent to US\$5 million will have a NIP obligation. This threshold of US\$5 million can be reached as follows:

(a) Any single contract with imported content exceeding US\$5 million.

or

(b) Multiple contracts for the same goods, works or services each with imported content exceeding US\$3 million awarded to one seller over a 2 year period which in total exceeds US\$5 million.

or

(c) A contract with a renewable option clause, where should the option be exercised the total value of the imported content will exceed US\$5 million.

or

(d) Multiple suppliers of the same goods, works or services under the same contract, where the value of the imported content of each allocation is equal to or exceeds US\$ 3 million worth of goods, works or services to the same government institution, which in total over a two (2) year period exceeds US\$5 million.

1.2 The NIP obligation applicable to suppliers in respect of sub-paragraphs 1.1 (a) to 1.1 (c) above will amount to 30% of the imported content whilst suppliers in respect of paragraph 1.1 (d) shall incur 30% of the total NIPP obligation on a *pro-rata* basis.

1.3 To satisfy the NIPP obligation, the DTI would negotiate and conclude agreements such as investments, joint ventures, sub-contracting, licensee production, export promotion, sourcing arrangements and research and development (R&D) with partners or suppliers.

1.4 A period of seven years has been identified as the time frame within which to discharge the obligation.

2. REQUIREMENTS OF THE DEPARTMENT OF TRADE AND INDUSTRY

2.1 In order to ensure effective implementation of the programme, successful bidders (contractors) are required to, immediately after the award of a contract that is in excess of **R10 million** (ten million Rands), submit details of such a contract to the DTI for reporting purposes.

2.2 The purpose for reporting details of contracts in excess of the amount of R10 million (ten million Rands) is to cater for multiple contracts for the same goods, works or services; renewable contracts and multiple suppliers

Respondent's Signature

Date & Company Stamp

for the same goods, works or services under the same contract as provided for in paragraphs 1.1.(b) to 1.1. (d) above.

3. BID SUBMISSION AND CONTRACT REPORTING REQUIREMENTS OF BIDDERS AND SUCCESSFUL BIDDERS (CONTRACTORS)

3.1 Bidders are required to sign and submit this Standard Bidding Document (SBD 5) together with their bid documentation at the closing date and time of the bid.

3.2 In order to accommodate multiple contracts for the same goods, works or services; renewable contracts and multiple suppliers for the same goods, works or services under the same contract as indicated in sub-paragraphs 1.1 (b) to 1.1 (d) above and to enable the DTI in determining the NIPP obligation, successful bidders (contractors) are required, immediately after being officially notified about any successful bid with a value in excess of R10 million (ten million Rands), to contact and furnish the DTI with the following information:

- Bid number;
- Description of the goods or services;
- Date on which the contract was awarded;
- Name, address and contact details of the contractor;
- Value of the contract; and
- Imported content of the contract, if possible.

3.3 The information required in paragraph 3.2 above must be sent to the Department of Trade and Industry, Private Bag X 84, Pretoria, 0001 for the attention of Mr Elias Malapane within five (5) working days after award of the contract. Mr Malapane may be contacted on telephone (012) 394 1401, facsimile (012) 394 2401 or e-mail at Elias@thedti.gov.za for further details about the programme.

4. PROCESS TO SATISFY THE NIPP OBLIGATION

4.1 Once the successful bidder (contractor) has made contact with and furnished the DTI with the information required, the following steps will be followed:

- a. the contractor and the DTI will determine the NIPP obligation;
- b. the contractor and the DTI will sign the NIPP obligation agreement;
- c. the contractor will submit a performance guarantee to the DTI;
- d. the contractor will submit a business concept for consideration and approval by the DTI;
- e. upon approval of the business concept by the DTI, the contractor will submit detailed business plans outlining the business concepts;
- f. the contractor will implement the business plans; and
- g. the contractor will submit bi-annual progress reports on approved plans to the DTI.

4.2 The NIPP obligation agreement is between the DTI and the successful bidder (contractor) and, therefore, does not involve the purchasing institution.

Bid number

Closing date:

Name of bidder.....

Postal address

.....

Signature.....

Name (in print).....

Date.....

Respondent's Signature

Date & Company Stamp

SECTION 12: PROTECTION OF PERSONAL INFORMATION

1. The following terms shall bear the same meaning as contemplated in Section 1 of the Protection of Person information act, No.4 of 2013.(“POPIA”):

consent; data subject; electronic communication; information officer; operator; person; personal information; processing; record; Regulator; responsible party; special information; as well as any terms derived from these terms.
2. Transnet will process all information by the Respondent in terms of the requirements contemplated in Section 4(1) of the POPIA:

Accountability; Processing limitation; Purpose specification; Further processing limitation; Information quality; Openness; Security safeguards and Data subject participation.
3. The Parties acknowledge and agree that, in relation to personal information that will be processed pursuant to this RFP, the Responsible party is “Transnet” and the Data subject is the “Respondent”. Transnet will process personal information only with the knowledge and authorisation of the Respondent and will treat personal information which comes to its knowledge as confidential and will not disclose it, unless so required by law or subject to the exceptions contained in the POPIA.
4. Transnet reserves all the rights afforded to it by the POPIA in the processing of any of its information as contained in this RFP and the Respondent is required to comply with all prescripts as detailed in the POPIA relating to all information concerning Transnet.
5. In responding to this bid, Transnet acknowledges that it will obtain and have access to personal information of the Respondent. Transnet agrees that it shall only process the information disclosed by Respondent in their response to this bid for the purpose of evaluating and subsequent award of business and in accordance with any applicable law.
6. Transnet further agrees that in submitting any information or documentation requested in this RFP, the Respondent is consenting to the further processing of their personal information for the purpose of, but not limited to, risk assessment, assurances, contract award, contract management, auditing, legal opinions/litigations, investigations (if applicable), document storage for the legislatively required period, destruction, de-identification and publishing of personal information by Transnet and/or its authorised appointed third parties.
7. Furthermore, Transnet will not otherwise modify, amend or alter any personal data submitted by the Respondent or disclose or permit the disclosure of any personal data to any third party without the prior written consent from the Respondent. Similarly, Transnet requires the Respondent to process any personal information disclosed by Transnet in the bidding process in the same manner.
8. Transnet shall, at all times, ensure compliance with any applicable laws put in place and maintain sufficient measures, policies and systems to manage and secure against all forms of risks to any information that may be shared or accessed pursuant to this RFP (physically, through a computer or any other form of electronic communication).
9. Transnet shall notify the Respondent in writing of any unauthorised access to information, cybercrimes or suspected cybercrimes, in its knowledge and report such crimes or suspected crimes to the relevant authorities in accordance with applicable laws, after becoming aware of such crimes or suspected crime. The Respondent must take all necessary remedial steps to mitigate the extent of the loss or compromise of

personal information and to restore the integrity of the affected personal information as quickly as is possible.

10. The Respondent may, in writing, request Transnet to confirm and/or make available any personal information in its possession in relation to the Respondent and if such personal information has been accessed by third parties and the identity thereof in terms of the POPIA. The Respondent may further request that Transnet correct (excluding critical/mandatory or evaluation information), delete, destroy, withdraw consent or object to the processing of any personal information relating to the Respondent in Transnet's possession in terms of the provision of the POPIA and utilizing Form 2 of the POPIA Regulations.
11. In submitting any information or documentation requested in this RFP, the Respondent is hereby consenting to the processing of their personal information for the purpose of this RFP and further confirming that they are aware of their rights in terms of Section 5 of POPIA

Respondents are required to provide consent below:

YES		NO	
------------	--	-----------	--

12. Further, the Respondent declares that they have obtained all consents pertaining to other data subject's personal information included in its submission and thereby indemnifying Transnet against any civil or criminal action, administrative fines or other penalty or loss that may arise as a result of the processing of any personal information that the Respondent submitted.
13. The Respondent declares that the personal information submitted for the purpose of this RFP is complete, accurate, not misleading, is up to date and may be updated where applicable.

Signature of Respondent's authorised representative: _____

Should a Respondent have any complaints or objections to processing of its personal information, by Transnet, the Respondent can submit a complaint to the Information Regulator on <https://www.justice.gov.za/infoereg/>, click on contact us, click on complaints.IR@justice.gov.za

PART C3: Part Dismantling of Bateman Train Loadout Station (Minimum Requirement Guideline) and Dismantling of Bateman Train Loadout Station and Dismantling of H,V,U gallery steel structures, H&V transfer tower, Grindrod transfer tower and Foskor transfer tower in the Port of Richards Bay.

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1 Standards

The documentation listed in the tables below is used as a reference and/or guideline, with the purpose to enhance the interpretation of this document.

Table 1: *Lifting & Rigging industry standards*

Standard no.	Document Title
ASME B30.9	Lifting Slings
ASME B30.26	Rigging Hardware
ASME B30.30	Ropes
WSTDA RS-1	Synthetic Polyester Round slings
WSTDA WS-1	Synthetic Web Slings
WSTDA T-1	Synthetic Web Tie Downs
WSTDA T-6	Load Binders Used with Chain Tie Downs
ASME B30.20	Below the hook lifting devices
OSHA 1910.176	Handling Materials - General

2 Geographical access

- 2.1. TPT Richards Bay is situated southeast of Richards Bay town centre. Access to the terminal is restricted as the terminal falls within port boundaries.
- 2.2. The Contractor shall make its own enquiries regarding inductions, medicals, transportation of people, goods, materials, and equipment to site. Transnet can provide contact details for the different permitting authorities; however, it remains the responsibility of the Contractor to make all the necessary arrangements to have its staff inducted by the relevant permitting authorities.

3 Port facilities

The Contractors shall make their own enquiries with regards to the laid down area for the duration of the dismantling. Transnet will provide the respective Contractors during the pre-submission site inspection meeting details of possible off-loading facilities and routes which the major structures will be able to be transported to the allocated site laydown area.

4 Climate

Typical Richards Bay average weather by month is provided below:

Month	Temperature °C				Average Rainfall (mm)		Average Fog days
	Avg.		Absolute		Daily	Monthly	
	max	min	max	min			
January	27.3	20.6	36.7	14.8	3.8	114	0
February	27.8	21	36.8	23.6	4.7	141	0
March	27.5	20.8	33.4	10	3.1	93	0
April	25.7	18.6	32.4	10.8	3.6	108	0
May	23.7	16.4	32.8	9.5	3.3	99	0

Month	Temperature °C				Average Rainfall (mm)		Average Fog days
	Avg.		Absolute		Daily	Monthly	
	max	min	max	min			
June	21.4	13.7	39	6	3.2	96	0
July	21.4	13.8	34	8	2.9	87	1
August	22.1	15.1	40	8	2.1	63	1
September	22.6	16.2	35.8	9	3.3	99	0
October	23.6	17	34	8.5	3.4	102	0
November	24.7	18.6	33	12.6	3.8	114	0
December	26.5	20	36	14.2	3.2	96	0

Figure 1: Richards Bay avg weather/month

4.1 Temperature

The chart below plots the average high and low temperature for each month of the year. It also shows the maximum and minimum recorded temperatures

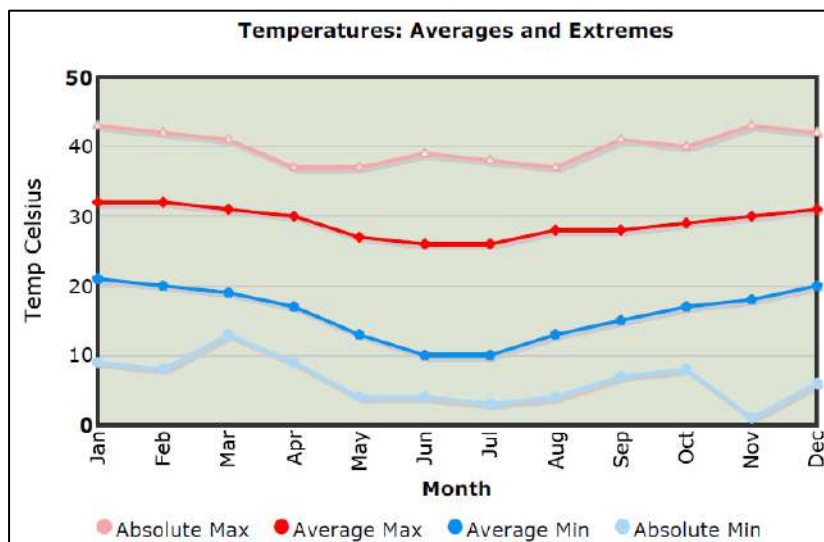


Figure 2: Richards Bay monthly temperatures

4.2 Wind Speed

4.2.1. The chart below plots the average daily wind speed you can expect for any month. It also shows the maximum recorded sustained wind speed for each month.

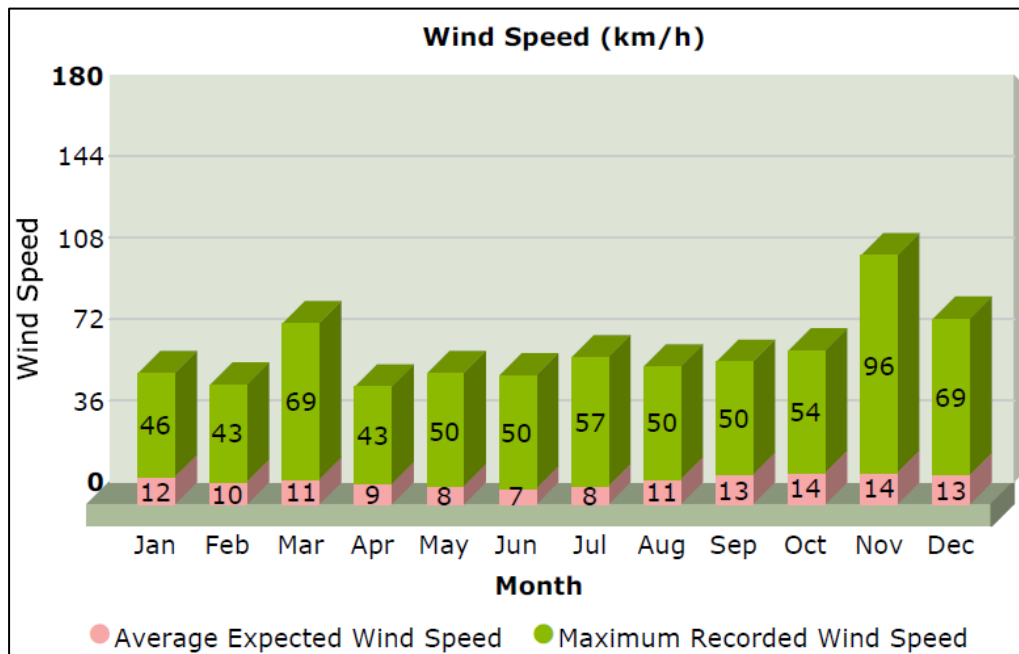


Figure 3: Richards Bay monthly wind speeds

- 4.2.2. The above information was obtained from data available from the South African Weather Services. It is the responsibility of the Contractor to satisfy itself regarding the interpretation and effect of climate on the Tender, machine equipment and the works that are proposed to be performed by the Contractor

5 Introduction and background

- 5.1. Transnet port terminals in Richards imports certain commodities for certain industries in South Africa. These commodities include coking coal, alumina, and Sulphur. The commodities come by ship and are offloaded, by grab unloaders or mobile harbour cranes. The products are then transported via three (3) import conveyors namely, L00, L01 & L02. Conveyor L00 is dedicated to the conveying of alumina, this conveyor then transfers on to a silo feed conveyor which transfers the alumina into three (3) storage silos, which are owned and operated by South 32.
- 5.2. The coking coal is conveyed by conveyors L01 & L02, however due to the low volumes of coking coal consumed by the respective industries, only L01 is in operation. Both L01 & L02 transfer onto conveyors F01 and F02, which in turn transfer the coking coal onto conveyor G02 which then transfers the product into the Bateman Train Load Station (TLS) or alternatively to the Old Wagon Loading Station via conveyor G01. Alternatively, the coking coal can be directed to the coking coal storage shed where it is stockpiled and then reclaimed when the end users request their product.
- 5.3. On the 6th October 2021 at approximately 23h00 a fire broke out on the head end of conveyor G02 at the top of the TLS, which quickly spread to the remainder of the G02 conveyor. Conveyor G02 consisted of three (3) gantries, due to the intensity of the fire the middle gantry collapsed first followed by the gantry closest to the TLS and then the gantry closest to the tail end pulley.
- 5.4. The BATEMAN Train Load Outstation suffered considerable amount of damage. An exercise to establish the damage of the Train Load Outstation has been completed and the recommendation is dismantling the station up to the weigh flax.



Figure 4: Damaged Bateman TLS

6 Contractor's Scope

- 6.1. The required services here after referred as the WORKS will require the appointed Contractor and his sub-contractors to furnish all rigging, lifting, stripping equipment, consumables and qualified labour required to dismantle part of the Bateman Train Load Outstation in a safe manner.
- 6.2. The service provider is required to appoint a registered engineer to signoff all dismantling plans and temporal works that is required. The engineer will need to certify the tie in, intersection points of structures that needs to remain and dismantling. Transnet is planning to reuse sections or portions of the structures that has not been condemned by structural engineer report (1101-91-1-1040-R-0003 Rev3 - A8 H00 to H06 V1 V2 U3 V51 REPORT and 1101-91-1-1040-R-0004 Rev3 - A6 BATEMAN G02 GH TT PERWAY CIVIL REPORT) therefor total care is required during the dismantling not to cause additional damages on the remaining structures.
- 6.3. The Contractor will be provided by Transnet with available structural drawings that indicate the sizes and weight of the structures at original design stage. It must be noted that the drawings issued may not be the full complement of as-built / designs drawings all gaps in the submission must be close out by the contractor and his appointed registered engineers. The Contractor will use these available drawings and others including assessment reports, to design the dismantling , rigging and lifting plan which will need to be included in a method statement that the Contractor needs to issue to the Transnet Project Manager for approval before any lift takes place. Such a rigging and lifting plan will be signed off by a certified rigger and a professional structural engineer. The Contractor will also be required to, with his appointed registered electrician to declare the work area safe to access for the WORKS to be undertaken.
- 6.4. The Contractor will also be required to transport the structures removed to a designated laydown site which will be agreed with the Contractor, where the Contractor will cut up the

steel structures into smaller manageable pieces. The Contractor will clear the site of any equipment and consumables used during the part dismantling of the Bateman Train Load Outstation.

- 6.5. Disposing of hydraulic oils and lubrication mediums will also be the responsibility of the Contractor. The Contractor will ensure that the hydraulic oils and lubrication mediums are contained in a safe manner and then disposed of by the Contractor at a relevant registered designated facility where such oils and lubrication mediums are handled.
- 6.6. As part of the support structure will remain in place, its necessary that areas of the support structure that are showing signs of surface corrosion, need to be appropriately treated to ensure that the steel does not deteriorate whilst waiting for the refurbishment of the Bateman Train Loadout Station. For this the Contractor will be required to sandblast areas which are showing signs of surface corrosion and apply a three-coat system as per the Transnet Paint Specification. As the extent of the rusted areas is not known its suggested that the Contractor allow for four weeks on site for a sandblasting pot complete with air compressor and sandblast medium for the blasting of 5 tons of structural steel. In terms of the paint the contractor will allow for 50 litres of primer, 50 litres of intermediate and 50 litres of final coat. The paint type will be in accordance with Transnet paint specification provided. The Contractor will be required to provide evidence of the number of square meters it sand blasted as well as the quantity of paint use, when submitting the invoice for the corrosion specification.
- 6.7. The Contractor is reminded that the corrosion protection of the areas will only be done after the dismantling of the structures and components has been completed. Should the Contractor bring the sandblast equipment to site before the dismantling is complete, then once the five weeks is over and the corrosion protection works is not completed due to the Contractors chosen dismantling sequence, the Contractor will be responsible for the additional time that the sandblast equipment needs to be on site.

6.5 Contractors works

6.5.1 Contractor Site Establishment

The Contractor site establishment will encompass the following:

- 6.5.1.1 Fixed P's & G's
- 6.5.1.2 Time Related P's & G's
- 6.5.1.3 Mobile Crane's
- 6.5.1.4 Rigging equipment
- 6.5.1.5 Tools
- 6.5.1.6 Scaffolding

6.5.1.7 Sandblast equipment and consumables

6.5.2 Cutting of steel structures

Once the structures are safely on the ground the Contractor will place the structures on a flat bed and transport the structures to a Transnet designated area where the Contractor will cut up the structures in a safe manner into smaller pieces, which Transnet can then sell as scrap-to-scrap merchants. The Contractor is responsible to provide all labour and consumables required for the cutting of the steel. All loading and off-loading of the structures to the cutting site will be for the Contractor's account.

6.5.3 Waste disposal

All the materials and spillage removed will be stockpiled by the Contractor in a Transnet designated area. All materials cleared shall become the property of the Contractor and shall be removed from the site and legally disposed of. The Contractor will transport the waste to a relevant registered waste disposal site which will be identified by the Contractor. Once waste has been disposed of, safe disposal certificates (SDCs) will have to be filled on the environmental file. Only a registered contractor as per the Waste Act is allowed to transport waste.

6.5.4 SITE CLEARANCE

- 6.5.4.1. Once all the steel and equipment has been removed from site, the Contractor must then embark on a cleaning exercise, ensuring that all steel remnants, spills of any nature and equipment laying around the dismantling site is cleared off site.
- 6.5.4.2. The final completion certificate will only be issued to the Contractor, once the Transnet Project Manager has inspected the site, and has signed off the site as clean and free of any machine parts, structures, and potential spillages.

7 Principles for the selection of lifting equipment

7.1 Verification

All lifting equipment should be of adequate strength, sound material, of good construction and suitable for the duty which it must perform. It should be verified in accordance with the requirements of the standard being worked to. New equipment should comply with the essential health and safety requirements stipulated in the applicable legislation, product standard where available, and issued with the required conformity documentation.

7.2 Factor of safety (FOS)

Good practice requires that any lifting equipment shall have an adequate factor of safety incorporated in its design. Where appropriate in each of the separate sections, a minimum factor of safety for the specific item is required and this should not be reduced.

7.3 Information which should be exchanged between the Contractor and the Employer

- 7.3.1. The Contractor's Competent Person must provide the particular requirements of a load to be lifted and the proposed manner in which the equipment is to be used. This is essential in

order to establish the required SWL when considered against the working load limit or rated capacity.

7.3.2. The following is a typical list of information which should be exchanged. It should be noted that the list is confined to information relating to the safety of the equipment:

7.3.2.1. Geometry and total maximum weight of the load to be lifted.

7.3.2.2. Detailed description and/or drawing of the load to be lifted giving all principal dimensions which affect the lifting operation and method of lifting envisaged. In particular, emphasis on (a) headroom, (b) height of lift, (c) transport when suspended, (d) manipulation of suspended load, (e) centre of gravity. In addition, methods of lift and means of attachment should be stated together with external obstructions likely to be encountered in the use of the items.

7.3.2.3. Details of any adverse environmental conditions such as extremes of temperature, humidity, chemical attack, corrosive atmospheres.

7.3.2.4. Details of frequency of use and average loadings so that a duty rating can be established.

7.3.2.5. Details of where to send operating instructions and legal documentation including information on correct maintenance, storage and limitations on its use.

7.4 Marking, storage and handling

7.4.1 Marking

Equipment which has been satisfactorily verified in accordance with the product specification and has passed the subsequent thorough examination should be marked with:

7.4.1.1. the WLL/SWL or rated capacity; and

7.4.1.2. an unambiguous means of identification to cross refer to the associated documentation; and

7.4.1.3. such other marks as are required by the standard being worked to and by legislation.

7.4.2. Marking should be by suitable means, i.e., plate, metal tab, textile label, etc, permanently attached or by stamping directly into the equipment, preferably in a non-load bearing or low stress area. Stamping into a stressed area may also be permissible provided that the mechanical properties of the component are not significantly impaired. Where applicable, the position and size of stamping should be as indicated in the relevant standard. When the means of marking can be lost, additional information should be used to convey this information. It is therefore recommended that the identification mark should also be put directly onto the equipment so that in the event of the original means of marking becoming detached, the identity is not lost, and the other information can be recovered from the related documentation.

7.4.3. Should any of the required marking become obliterated or illegible, the equipment should be withdrawn from service and referred to a Competent Person for re-marking or, if necessary, for re-verification and re-marking.

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- 7.4.4. Where the Contractor wishes to mark the equipment with information which is liable to change (e.g., plant location reference, date of examination, etc.) it is recommended that a tag is used as the frequent stamping and subsequent obliteration of stamp marks on load bearing components is detrimental and will, at best, shorten the life of the equipment.
- 7.4.5. The SWL of new equipment will be in the metric units of tonnes (t) or kilograms (kg) or imperial units of Tons (T) and Pounds (lb). The generally accepted rule is that a SWL of less than one tonne or Ton are marked in kilograms or pounds respectively.
- 7.4.6. Certain items of lifting equipment are marked with a grade or quality mark, particularly where this information is required for safe use.

7.4.2 Storage and Handling

- 7.4.2.1. In order to reduce to a minimum, the risk of damage or deterioration which may affect the safety of equipment, it is essential to provide suitable storage for equipment not in use and in many cases to prepare it for storage first.
- 7.4.2.2. The ideal storage requirements vary according to the nature of equipment and reference shall be made to manufacturers literature. However, in general the storage area should be dry, free from injurious pollution and not subject to extreme temperatures. Equipment embodying exposed threads or machined bearing surfaces (e.g., eyebolts, shackles) should be protected and handled with care. Equipment which is returned to stores wet or has been subject to other substances liable to cause deterioration should be treated with special care. In particular, it should be remembered that solutions of chemicals will become more concentrated as the solvent evaporates, e.g., weak acids will become strong acids. In these circumstances the general advice is to clean and dry the equipment into storage.

7.5 INSPECTION

- 7.5.1. Lifting equipment can be subjected to operational and environmental conditions which may affect its safe working characteristics. Legislation therefore requires that lifting equipment is properly maintained and safe to operate at all times. To ensure that this is the case, current good practice requires pre-use inspections and interim inspections at suitable intervals between the statutory thorough examinations. Regular 'interim' inspections should be instituted, at appropriate intervals, to ensure the legal requirements are met. The period between the 'interim' inspections will be determined by the utilization, age of the equipment and remaining design life, environment, manufacturers literature and similar factors based on the history of the equipment. Inspections are particularly important before issue for use.
- 7.5.2. The interim inspection should be carried out by a Competent Person.

7.6 Safe use of lifting equipment

7.6.1 General Procedure

- 7.6.1.1. The objective of good lifting practice is to ensure that the load is safe and, when lifted, is as secure in the air as it was on the ground.
- 7.6.1.2. There are two terms commonly used to describe the attaching of the load to the lifting appliance, 'slinging' and 'rigging'.

- 7.6.1.3. The following is a general procedure which must be adapted to any lifting operation irrespective of the type of lifting appliance or the method of attaching the load to the appliance, namely:
- 7.6.1.3.1. Determine the weight of the load and the position of its centre of gravity in relation to the lifting (pick up) points. In all lifting operations, care should be taken to ensure that the load imposed on any item does not exceed its SWL. Where there is any uncertainty about the weight of the load or the load applied to a particular part of the equipment, load sensing devices must be used.
 - 7.6.1.3.2. Decide upon the method of lifting and slinging the load. The equipment selected should only be used in accordance with the manufacturer's instructions and should not be used or adapted for any other purpose without the approval of the manufacturer or other competent design authority. The equipment and its method of use should be suitable for the load and the method of attachment of slings to the load and slings to the lifting appliance should be secure. No item of lifting equipment should be overloaded either by the weight of the load or the weight and method of slinging.
 - 7.6.1.3.3. The slinging method must ensure that the load is balanced, does not violently or unintentionally change its attitude when lifted and at all stages of the lift remains in a stable condition. In general, the load will swing and may be unstable if at any time the centre of gravity of the load is not vertically beneath the crane hook, or the centre of gravity of the load is higher than the point of attachment of the slings to the load.
 - 7.6.1.3.4. Care must also be taken to ensure that the load is not damaged by the lifting equipment and equally that the lifting equipment is not damaged by the load. Depending upon the slinging method chosen, packing must be provided between the sling and the load.
 - 7.6.1.3.5. A pre-use inspection of the lifting equipment should be completed to check for obvious defects before use.
 - 7.6.1.3.6. Ropes or 'tag lines' must be used to control the load once it is in the air. The tag line should be of such length that the operative(s) need not stand under the load during the lift. Under no circumstances must tag lines be used to balance the load, or for any other purpose than controlling the rotation of the load.
 - 7.6.1.3.7. The lift plan shall consider any obstacles which may have to be avoided.
 - 7.6.1.3.8. Before commencing the operation, a suitable landing site should be prepared. The site chosen must be of adequate size and capable of taking the weight of the load. The Contractor must provide suitable landing pads, e.g., timber bearers, to enable the slings to be removed from under the load.
 - 7.6.1.3.9. The Contractor must ensure that the load is free to be lifted and not restrained by fixing bolts, jigs, etc. Seals or joints, which may offer considerable resistance, should be separated by other means before the lift commences.
 - 7.6.1.3.10. Ensure that any loose parts of the load are adequately secured, either by the slinging method or by other means such as, containers, bindings or secondary positive holding devices, or that they are removed.

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- 7.6.1.3.11. There must be a clear method of communication between all those with duties under the lift plan and involved in the lifting operations. Hand signals are preferred to voice communication particularly where noise might interfere. If voice communication is used, there should be an agreed protocol to ensure that misunderstandings do not occur.
- 7.6.1.3.12. Unless unavoidable, no-one is allowed under a suspended load and as far as possible, all people should be kept clear of the area of operations. Where it is not possible measures shall be provided to protect persons in the danger zone, e.g., secondary load restraints to secure the load if the primary fails.
- 7.6.1.3.13. With ALL lifting operations, the load should be lifted a nominal distance only in the first instance. This trial lift is required to confirm the balance, stability, and general security of the load whilst it is in a relatively safe position. If any discrepancies are found, the load should be lowered, and the slinging revised within the limitations of use. The sequence of trial lift and adjustment should be repeated until the operative is satisfied that the load is balanced, stable and secure.
- 7.6.1.3.14. When lowering the load, it should be brought to a halt a short distance above the landing site to allow the operative to steady it, check its position and the position of any landing pads, etc. and to ensure that all personnel are clear of the danger area. The load should then be carefully lowered down into position. Before slackening off the slings, check that the load is safe and stable. If not, it should be lifted slightly to allow the landing blocks, etc. to be adjusted and lowered again. **THE LOAD SHOULD NOT BE LOWERED SO AS TO TRAP THE SLINGS AS THIS MAY RESULT IN SERIOUS DAMAGE TO THEM.**
- 7.6.1.3.15. Having set the load down correctly, the sling legs should be manually withdrawn by the Contractor. The lifting appliance should never be used to drag a sling out from under a load.
- 7.6.1.3.16. If, when the lifting operation is complete, the equipment is no longer required, it should be returned to proper storage.
- 7.6.1.3.17. If slings are to be left on the lifting appliance for further lifts, the sling legs should be hooked back onto the upper terminal fitting to minimise the risk of inadvertently becoming hooked onto surrounding objects or striking someone.

7.7 Use of rope blocks with supporting structures

It should be noted that when rope blocks are used, the load imposed on the supporting structure is increased by the value of the hoisting effort. This additional load is also imposed on any equipment used to connect the top hook or eye of the pulley blocks to the structure. Care should therefore be taken to ensure that the structure, together with all other above hook equipment (e.g., trolleys, beam clamps, shackles, eyebolts) is of adequate capacity.

7.8 Sling Geometry

7.8.1 Two leg slings

For a two-leg sling, if each leg must have the same angle to the vertical, then the load will be shared equally between them.

7.8.2 Three leg slings

With a three-leg sling it is assumed that, viewed in plan, the legs are at 120° to each other. If two of the legs are closer than that, the third leg will receive a greater share of the load. Ultimately, if two of the legs are side by side, i.e., at zero angle to each other then they will receive only half the load between them leaving the third leg to take the other half on its own and thus be overloaded.

7.8.3 Four leg slings

With a four-leg sling, it is assumed that viewed in plan, the legs are symmetrically disposed, the lower attachment points making the corners of a rectangle. Ideally, the nearer the rectangle is to a square the better, but this is by no means essential. However, as for the two leg slings, the smaller the included angle between the legs the greater the effect of unequal angles. On a four-leg sling, the unequal effect can occur across either or both of the horizontal axes, i.e., along the length of the rectangle and/or across the width of the rectangle.

7.9 Protection

7.9.1. The need for adequate protection between sling and load is of great importance.

7.9.2. The objectives of the protection are:

7.9.1.1. To provide an adequate radius around which a sling may pass without unacceptable loss of load carrying capacity.

7.9.1.2. To assist the sling in gripping the load.

7.9.1.3. To prevent damage to the load and sling.

7.9.3. Various materials are suitable for protection. Whatever is used must be capable of taking the crushing forces which will be imposed upon it, and it should be positioned to make best use of its strength.

7.9.4. When positioning protection, it is essential to ensure that it will stay in place throughout the lift, as packing which falls or flies out will be a hazard in itself as well as imposing shock loads upon the lifting equipment.

7.10 Planning the lifting operation

All lifting operations, no matter how simple or routine, need to be planned by a person competent for the purpose who understands the principals involved, the equipment to be used, the nature of the load, the environment in which the lift is to be made and any other factors which may affect the operation. The person planning the lift should be appropriately trained and have the requisite knowledge, registrations and expertise of planning lifting operations.

7.11 Information required to plan a lifting operation

7.11.1. There are four important matters to consider when planning a lifting operation:

7.11.1.1. the load.

7.11.1.2. the task to be performed.

7.11.1.3. the lifting equipment; and

7.11.1.4. the site.

7.11.2. These cannot be considered in isolation but are interlinked and must be considered as a whole, as they all affect the choice of lifting equipment and the procedures to be adopted if the operation is to be performed efficiently and safely.

8 The BATEMAN Train Load Out Station

8.1. The BATEMAN Train Load Out Station (TLS) comprises of the following sections, namely:

8.1.1. Penthouse at LVL +31000 which is the top of surge bin

8.1.2. Surge Bin between LVL +13700 to LVL +31000

8.1.3. Weigh Flask between LVL+5600 to LVL +11200

8.1.4. Profile Chute between LVL+3965 to LVL +7215

8.2. Next to the TLS the Hydraulic room, operator control room and the MCC building. This building housing the services mentioned is a concrete building.

8.3. Masses of the BATEMAN Train Load Out Station (TLS) sections

8.3.1. Penthouse – Est. 10 Tons

8.3.2. Surge Bin- Est. 125 Tons

8.3.3. Weigh Flask – Est. 17 Tons

8.3.4. Profile Chute – Est. 23 Tons

8.3.5. Stairs & Landings – Est. 18 Tons

8.3.6. Support Structures – Est. 75 Tons

8.4. Please note that the masses provided above are masses obtained from the OEM's drawings, Transnet **does not take any responsibility** for the masses supplied. The masses are to guide the Contractor to determine the size of crane and rigging equipment required for the dismantling of the Bateman TLS.

9 Proposed method of dismantling

9.1. The methodology described below is merely for guidance, the Contractor will be responsible to compile a dismantling method statement that will consider the safest and best methodical way of dismantling the TLS.

- 9.2. As Transnet are not in possession of the original Build Method Statement for the TLS, based on Transnet experience, the following methodology can be considered by the Contractor. The sequence as elaborated below is a guideline only, the Contractor is free to follow his own methodology. But to ensure that the dismantling is done in a safe manner the dismantling should follow the following proposed sequence.

9.3 Task No.1

9.3.1 Field Devices

There is a substantial amount of field devices all over the TLS. These field devices are all connected to cables, i.e., Control cables and power cables. It's proposed that the Contractor first disconnect all the cables and remove all the cables from the cable racks, to ensure that no cables are attached to any structure or equipment.

9.3.2 Junction Boxes

The majority of the control cables and to some extent power cables will be connected to Junction Boxes. The contractor will disconnect all the incoming and outgoing cables from the respective Junction boxes, and then remove the junction boxes and hand the boxes over to Transnet for storage in the respective stores.

9.3.3 Cables

Any control cable and power cable which spans over any beam or column, must be removed. All the other cables that do not span over any beam or column but is fixed to a beam or column should stay in place to avoid unnecessary work

9.3.4 Cable Racks

Any cable rack that spans over any beam or column, must be removed. All the other cable racking that does not span over any beam or column but is fixed to a beam or column should stay in place to avoid unnecessary work.

9.3.5 Luminaires

There are a significant number of luminaires on the TLS, the Contractor will remove all the luminaries and hand it over to Transnet for storage in the respective stores.

9.3.6 Air Conditioning System

The Contractor will remove the air conditioning system installed in the MCC room as well as in the operators control room along with any pressurization unit if any. The AC units will be handed over to Transnet for storage in the respective stores. The pressurization unit/s if installed is more than likely not salvageable, so the Contractor will be required to dispose of the unit after consultation with the Transnet Project Manager.

9.4 Task No.2

9.4.1 Hydraulics

- 9.4.1.1. A TLS has a number of hydraulic activated movers to ensure the material flows in a controlled manner from the surge bin to the weigh flask and then to the profile chute. The control is done by means of gates or clam shells which are actuated by hydraulic cylinders.
- 9.4.1.2. The hydraulic power pack supplying all these actuating cylinders resides in the hydraulics room under the operator control room which is a brick building alongside the TLS. The removal of the hydraulic powerpack is not required by Transnet, the Contractor will clean the hydraulic room once all the hydraulic pipes have been removed.
- 9.4.1.3. Connecting these cylinders will be stainless steel pipes as well as flexibles spanning over any beam or columns.
- 9.4.1.4. Some of the cylinders might be in an extended mode others might be in a retracted mode. It's important that the Contractor establish the condition and the operating mode to ensure that if the cylinder clevis pin is removed from the associated gate/clam shell, the gate does not close/open. Therefore, the Contractor will provide means of maintaining the steady state position of the gate/clam shell after the cylinder pin is removed.
- 9.4.1.5. There are a total of four hydraulic cylinders, namely:
- Surge bin gate cylinder (65 Bore x 1826 Stroke)
 - Weigh flask gate cylinder (65 Bore x 1826 Stroke)
 - Profile chute cylinder (65 Bore x 1826 Stroke)
 - Two arresters' cylinders. (100 Bore x 1380 Stroke)
- 9.4.1.6. Whilst the likelihood that these cylinders will be used again by Transnet are slim, the Contractor is expected to ensure that these cylinders are removed in a controlled manner without causing any damage to the cylinder barrel and/or shaft. To ensure that the cylinder does not leak any hydraulic oil from its A & B ports, the Contractor will blank off the ports, as well as the flexibles to the respective ports. The Contractor will store the cylinders removed inside the hydraulic room in an upright position. This means that the Contractor will have to provide a wooden structure to be able to support the cylinders upright
- 9.4.1.7. As far as the hydraulic piping is concerned, the Contractor will drain all the oil from the pipes into to a container or oil drum, to ensure that when the pipes are removed that very little hydraulic oil falls to the floor of the apron slab. To ensure that people do not slip-on oil which accumulates on the apron slab, the Contractor will provide river sand which the Contractor will place over the apron slab. Once all the hydraulic cylinders and pipes have been removed, the Contractor will dispose of the contaminated river sand to a registered hazardous waste disposal site where contaminated sands/soils can be disposed of. It's the responsibility of the Contractor to establish the location of such site as well as the costs associated with the dumping of the contaminated sand.
Only a registered contractor as per the Waste Act is allowed to transport oil waste that will be collected from the hydraulic system. Once waste has been disposed of, safe disposal certificates (SDCs) will have to be filled on the environmental file.

- 9.4.1.8. To ensure that the hydraulic powerpack is not vandalized, the Contractor will procure, supply and install a painted steel security gate in front of the hydraulic room door.

9.4.2 Power Pack System

As the hydraulic power pack resides inside the hydraulic room which has not been affected by the fire, Transnet does not see a need to remove the hydraulic power pack, so therefore the Contractor will only plug the outlets of the pressure lines from the respective valve banks and the return lines.

9.5 Task 3

9.5.1 Washdown System

- 9.5.1.1. The TLS is fitted with a washdown system at three levels. Before the Contractor starts with the uncoupling and cutting of water pipes, the Contractor must make sure that the main line gate valve is closed and locked so that no tampering of the gate valve takes place during the dismantling.
- 9.5.1.2. The first system is supplying water to the sprayers at the top of the surge bin. The system also supplies water to a fire hose reel which is situated inside the penthouse.
- 9.5.1.3. The next washdown system is fitted at the top of the Weigh Flask. Here too the system also supplies water to a fire hose reel which is mounted to one of the support columns.
- 9.5.1.4. The last washdown system is fitted at the top of the Profile Chute. Here too the system also supplies water to a fire hose reel which is mounted to one of the support columns.
- 9.5.1.5. At each of these three points a spray header is fitted. The Contractor must disconnect the supply pipe from the headers. The contractor will salvage all the gate valves, bends and fire hose reels and hand them over to Transnet for storage in the respective stores.
- 9.5.1.6. All the water pipes must be removed.

9.6 Task 4

9.6.1 Grease Lubrication Systems

- 9.6.1.1. All grease lubrication points each are connected to a main distribution block must be removed from the lubrication point. All grease lubrication piping must be removed. The grease lubrication points that are reusable will be stored at a Transnet designated area that will be pointed out by the project manager. The grease lubrication points that are not reusable will be disposed of to a registered hazardous waste disposal site. Only a registered contractor as per the Waste Act is allowed to transport oil waste that will be collected from the hydraulic system. Once waste has been disposed of, safe disposal certificates (SDCs) will have to be filled on the environmental file.
- 9.6.1.2. Any automatic grease lubrication pump and reservoir along with distribution blocks will be removed and handed over to Transnet for storage in the respective stores

9.7 Task 5

9.7.1 LV Switchgear and MCC

- 9.7.1.1. The LV, MCC panels, Remote I/O Panel as well as the PLC panel all reside inside the concrete room, Transnet do not require that these panels be removed. Cables to the LV & MCC panels are bottom entry, so the Contractor will be required to disconnect all incoming and outgoing power cables only.
- 9.7.1.2. Once the cables have been disconnected, the Contractor will then remove all cables fixed to the cable racks, but the cable racks will remain in place, in case Transnet decide to reinstate the TLS in the near future.
- 9.7.1.3. Access to the MCC room is via the operator's room on the first floor. To ensure that the LV, MCC panels, Remote I/O Panel as well as the PLC panel do not get vandalized the Contractor will procure, supply and install a painted steel security gate in front of the operator's room door.

9.8 Task 6

9.8.1 Operators Control Room

The Contractor is required to remove computer hardware as well as screens and handed it over to Transnet for storage in the respective stores.

9.9 Task 7

Before that Contractor starts with the structural dismantling, it's important that the Contractor clear the surge bin, weigh flask and profile chute of all material which was not discharged into the wagons at the time of the fire. The Contractor must remove and stack the discard material at a designated site, which Transnet will point out to the Contractor that is inside the Port. This cargo is declared as not contaminated, terminal operations will advice to where this cargo needs to be stacked. The service provider to allow for a radius of 10Km to where this material will be moved.

9.9.1 Structural Dismantling.

As mentioned before the TLS comprises of four distinct parts, namely.

- Penthouse at LVL +31,000 which is the top of surge bin
- Surge Bin between LVL +13,700 to LVL +31,000
- Weigh Flask between LVL+5,600 to LVL +11,200
- Profile Chute between LVL+3,965 to LVL +7,215.

Note:

The contractor will be required to provide a scaffolding floor to cover the top of the surge bin at LVL +31,000 to make dismantling of the penthouse and head pulley structures safe. The scaffolding will be best erected when the penthouse roofing and cladding is removed.

9.9.2 Penthouse at LVL +36,300

- 9.9.2.1. The Penthouse is a structural steel enclosure bolted to the top of the surge bin. The structure is cladded with steel IBR sheeting as well as the roof. In order to facilitate the removal of the TLS conveyor head pulley structure the Contractor is required to remove the roof sheeting as well as the side cladding first.

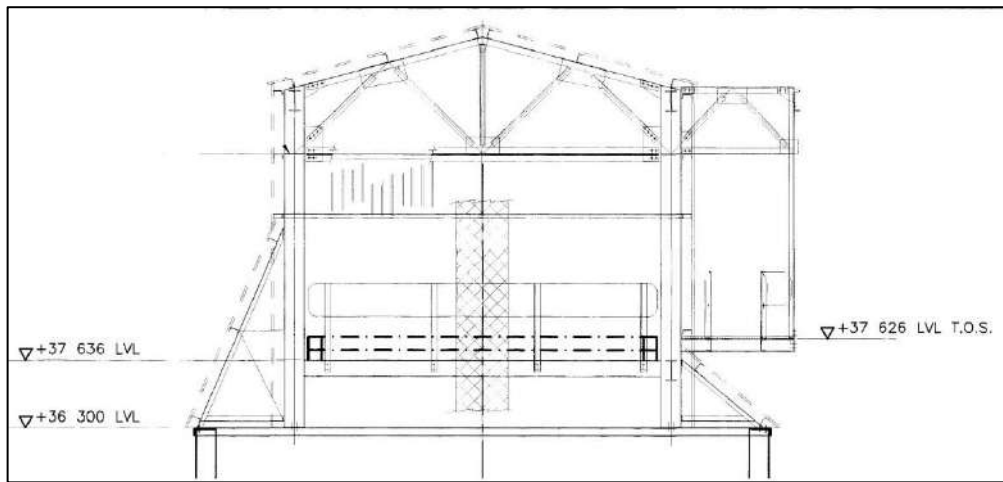


Figure 5: TLS Penthouse

- 9.9.2.2. Depending on the crane that the Contractor intends using, the Contractor should consider lifting the complete penthouse structure in one go. This will require that the Contractor design and fabricate a lifting beam which can then be used to attach four slings to each corner of the penthouse. This method is a quicker method than having to install scaffolding to be able to strip the complete structure piece by piece.
- 9.9.2.3. Should the Contractor consider lifting the complete penthouse in one go, then it would be advisable to strip landings, staircases and any other steel structures attached to the main frames of the penthouse to make the structure lighter for the crane to handle.

9.9.3 Steel-Concrete Composite Floor at LVL +37,636

Should the Contractor consider lifting the complete penthouse in one go, then the Contractor is required to break and remove the Steel-Concrete Composite Floor and bund wall. The Steel-Concrete Composite Floor consists of galvanized steel floor decking, anti-crack slab reinforcement mesh and structural concrete of 30 Mpa strength. For this operation the Contractor will be required to make use of jack hammers to break structural concrete.

The bund wall will need to be assessed if it does not have hydrocarbons before it is dismantled. Cleaning will need to be done, should it have hydrocarbons. Waste will need to be disposed of at a registered hazardous disposal site and SDCs be kept on the environmental file.

9.9.4 Head Pulley and Head Frame at LVL +37,636

Before the contractor breaks the Steel-Concrete Composite Floor and bundwall, the Contractor will be required to remove the head pulley frame, it's advisable that the head pulley stay mounted on the head frame.

9.9.5 Surge Bin between LVL +19,388 to LVL +36,300

9.9.5.1. The surge bin is divided into two sections, namely:

- Steel cylindrical silo(bin)
- Frustrum pyramid section

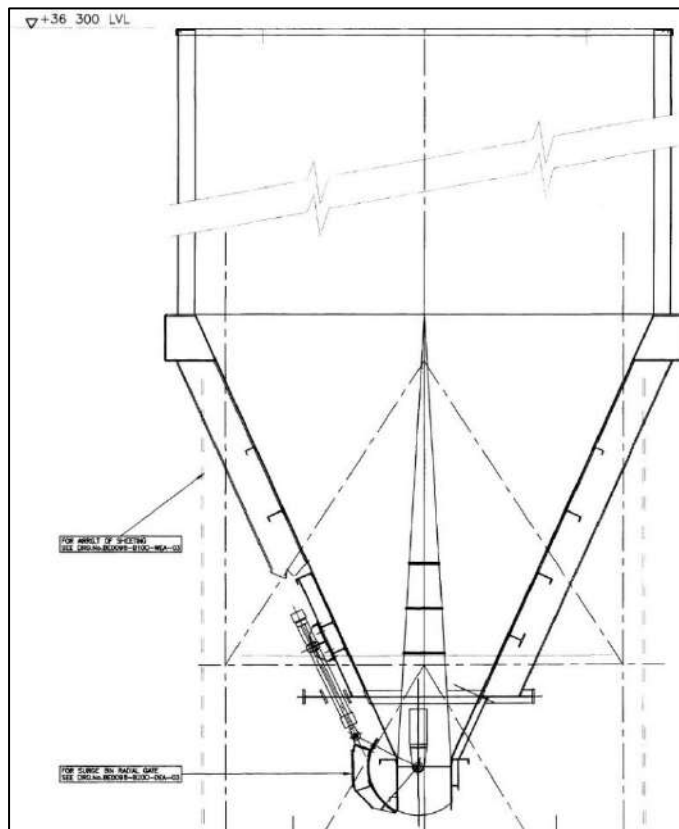


Figure 6: TLS Surge Bin

- 9.9.5.2. The Steel cylindrical silo(bin) is bolted to a ring beam. It's proposed that the Steel cylindrical silo(bin) be unbolted from the ring beam and then lifted as a unit. Before the cylindrical steel silo(bin) is lifted the staircases and landings between LVL +36,300 and LVL +27,890 will have to be removed. If the Contractor chooses to install the scaffolding platform as suggested above, then the Contractor will also need to remove the scaffolding platform.
- 9.9.5.3. In terms of the Frustrum pyramid section, the complete section including the ring beam is bolted to four vertical universal columns. Also connecting the ring beam are four diagonal universal column bracings, these members must be unbolted from the ring beam. It's advisable that the Contractor secure the Frustrum pyramid section down to LVL +22,250

in case any strong winds should start blowing while the staircases and landings are being removed.

- 9.9.5.4. Before lifting the Frustrum pyramid section the Contractor will have to remove the staircases and landings between LVL+27,400 and LVL+22,290.
- 9.9.5.5. Once the Frustrum pyramid section is out of the way, then the Contractor must proceed to remove the four vertical universal columns between level +22,250 and level +27,400 as well as the four diagonal universal column bracings.
- 9.9.5.6. The Contractor will then proceed to remove the vertical columns and diagonal bracings between LVL +16,500 and LVL +22,250.
- 9.9.5.7. As far as dismantling of the vertical columns and diagonal bracings of the TLS is concerned the Contractor will stop at LVL +16,500.

9.9.6 Weigh Flask between LVL+5600 to LVL +11200

The Contractor does not require to remove the weigh flask and its respective load cells. The Contractor will only disconnect the cables connecting the load cells and then will remove such cables.

The Contractor will use some of the IBR cladding sheeting removed, place it over the weigh flask and the sheeting needs to be fixed as per regulations, wind loading etc..... The Contractor will ensure that the sheeting is secured to the top of the weigh flask with bolts, to ensure that the sheeting does not blow away in the event of high wind speeds at the terminal. The Contractor will be required to get the inputs of a professional structural engineer to sign off on the proposal to cover and secure the IBR sheeting to the weigh flask.

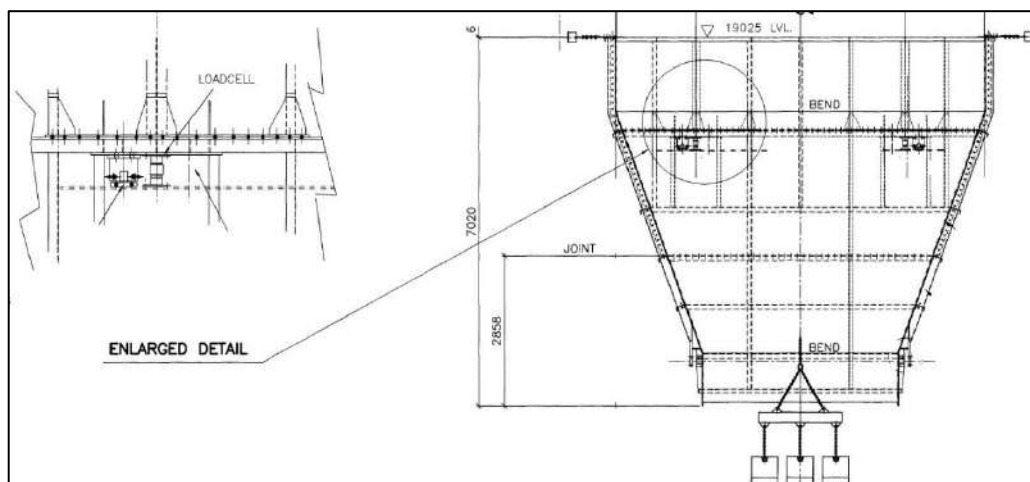


Figure 7: Weigh flask with load cells

9.10 Task 8 Corrosion Protection of surface rust

As mentioned in clause 6 above the Contractor will be required to carry out corrosion protection of certain parts of the structure that will not be dismantled. The corrosion protection will be as per Transnet Paint specification EEAM-Q-008 for paint repairs. Below are some photos of typical surface corrosion spots.



Figure 8: Typical surface corrosion spots

It is recommended that the contractor not remove the access stairs leading up to LVL +16,500. In order for the Contractor to have access for the repair of the corroded areas. Once the repairs are complete, the Contractor will then remove all the access staircases.

10. Dismantling of H,V,U gallery steel structures, H,V and U transfer tower, Grindrod transfer tower and Foskor transfer tower (Minimum requirement guideline)

10.1. Transnet Port Terminals Richards Bay (TPT) in Richards Bay imports and export commodities for local and international clients which make use of these commodities. The import side of TPT in Richards Bay handle the following import commodities, namely:

- Coking Coal
- Alumina, Petcoke (MPT & DBT) and ATF (MPT)
- Sulphur.

10.2. The alumina is transported by a TPT conveyor network (M00, L00) as well as conveyors (T01 & T00) which is operated by the end user of the product namely South 32. Whilst this conveyor

runs through TPT Richards Bay, TPT do not have any accountability in the maintenance and operation of this route. The coking coal and sulphur are offloaded by grab ship unloaders and then loaded onto the following conveyor network:

- M01, M02, L01, L02, H01, V01, H02 & H05)

11. Employer's objectives

Provide registered engineer for the design of dismantling, making safe and protection of remaining sections.

- The Employer requires the services of a Service provider with an all-encompassing experience in the following fields.
- Providing a fenced-off area where the dismantling is taking place.
- Providing all crane and rigging equipment for dismantling of structures.
- Providing competent staff with experience in rigging and dismantling of steel structures and equipment.
- Stripping of steel structures and equipment.
- The Employer requires cleaning of these galleries and transfer house. Service provider will clean all cargo spillages in the transfer houses and full length of the conveyor belts even portions that were not affected by the fire.
- Load and transporting cargo spillages waste to designated waste disposal sites, which the Service provider will identify and seek permission to dispose of.
- Transporting of dismantled steel to designated laydown area for cutting into small manageable pieces.
- Cutting of dismantled steel into small manageable pieces.
- Loading of all waste from dismantling site and transporting to designated waste disposal site, which the Service provider will identify and seek permission to dispose of.
- Clearing site of all steel, electrical cables and any contaminated soil as a result of the dismantling operation.

12. Strip and remove

12.1 All of the existing galleries and transfer houses which have been damaged by the fire were covered with asbestos roof sheeting and polyvinyl cladding. Transnet has removed all of the asbestos roof sheeting and side cladding, but all the support structures have been left in place. The Service provider will be required to strip and remove all the structural steel and stockpile the structural steel in a designated place (behind Tisand shed) within the boundaries of the Port. Such a stockpile area will be presented to the successful service provider, but for pricing purposes the Service provider will allow for **10km** for transporting the structural steel. The Service provider will be responsible for loading the steel and off-loading the structural steel at the designated stockpile area.

12.2 The service provider is required to appoint a registered engineer to sign off all dismantling plans and temporary works that is required. The engineer will need to certify the tie in, intersection

points of structures that needs to remain and dismantled. Transnet is planning to reuse sections or portions of the structures that has not been condemned by structural engineer report therefore total care is required during the dismantling not to cause additional damages on the remaining structures.

12.3 The steel structures affected by the fire are as follows and not limited to:

- Grindrod and Foskor transfer house
- H05 & H03 gallery Portal structure
- H&V Conveyors transfer house
- H00, H01, H02 & H03 gallery (Only \pm 50% was affected).
- H00 conveyor (Only \pm 80% was affected)
- H01 Conveyor (Only \pm 80% was affected)
- H02 Conveyor (Only \pm 50% was affected but remove the complete length of conveyor)
- H03 Conveyor (Only \pm 70% was affected)
- H05 Conveyor (Only \pm 70% was affected but remove the complete length of conveyor)
- V01 Conveyor (Incline section only)
- V02 (Incline section only).
- U03 Conveyor remove complete length of conveyor and close U02U03 transfer house
- **H00 and H01 incline galleries complete removal to be optional**

13. Protection of Power & Control Cables

13.1 Due to the damage caused by the fire, the terminal has laid temporary power and control cables to keep the plant that was not affected by the fire running.

13.2 The power and control cables have been placed on the ground with no protection as shown in the photos below.

13.3 One cable which is of great concern is an 11kV power cable which has been placed on the ground with no protection. This is unsafe and therefore the cable will have to be temporarily protected before any dismantling starts.



Figure 9: 11Kv power cable and control cable

- 13.4 The MV cable as shown above is currently exposed to the elements, and in particular the sun which will cause the cable to overheat not only due to load but the exposure.
- 13.5 Whilst the best way to protect cables is to bury the cables, in this situation it not economically feasible due to the short duration that these cables will be supplying power and control signals.
- 13.6 Two (2) options are recommended; however the Service provider is welcome to make a different proposal, the objective is to prevent any damage to the cables during the dismantling, but most important it is to safeguard the Service provider s workers during the dismantling phase.
- 13.7 **Option 1:** The Service provider will supply steel frames similar to the picture below and secure the frames into the side of the existing gallery pylons and or any other structure to prevent the cable from forming a large catenary.

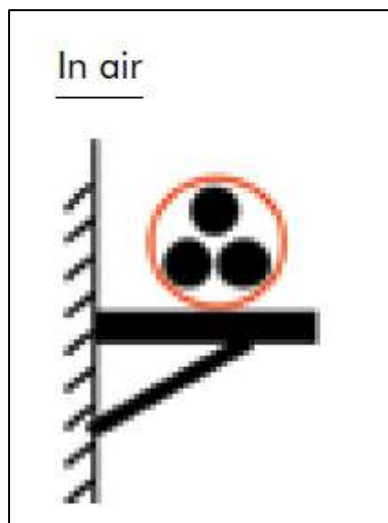


Figure 10: Typical braced support for medium voltage cables

13.8 **Option 2.** The Service provider will provide Large Cable Protection Ramps similar to the ramps shown below. These ramps enable you to drive over cables, without causing them damage. The ramps are easily & quickly installed and are manufactured from high strength rubber compound complete with a polypropylene chequer plate, anti-slip, yellow surface moulded cover.

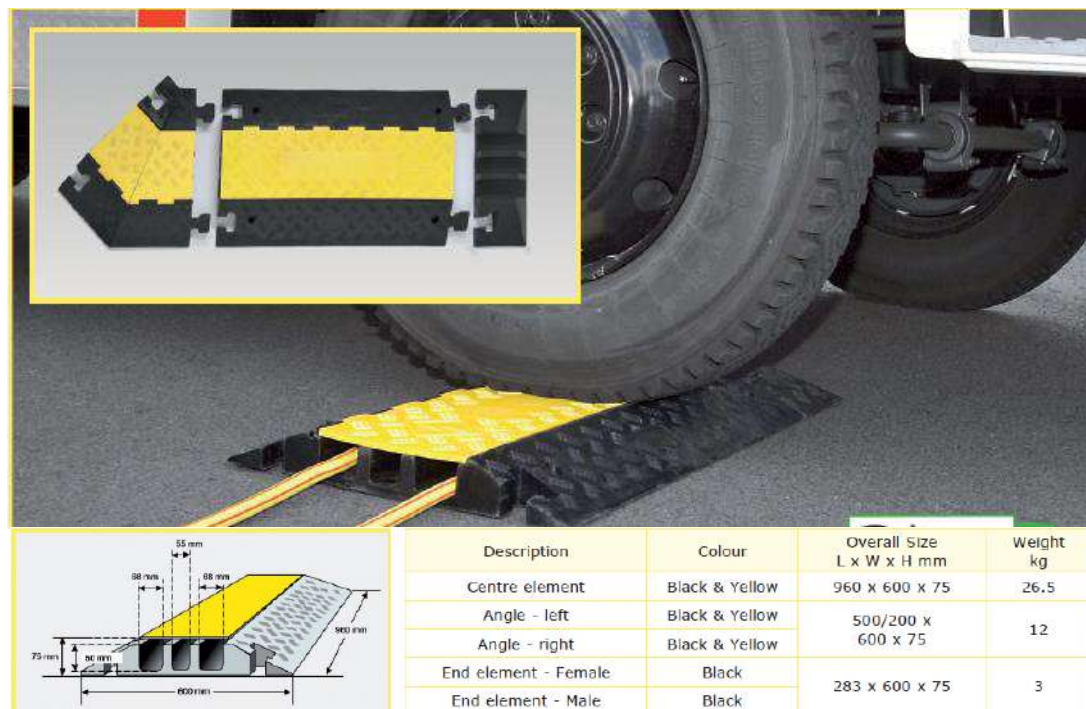


Figure 11: Large cable protection ramp

14. RBGT Export Coal and TRONOX Sands Conveyor System (CV H03)

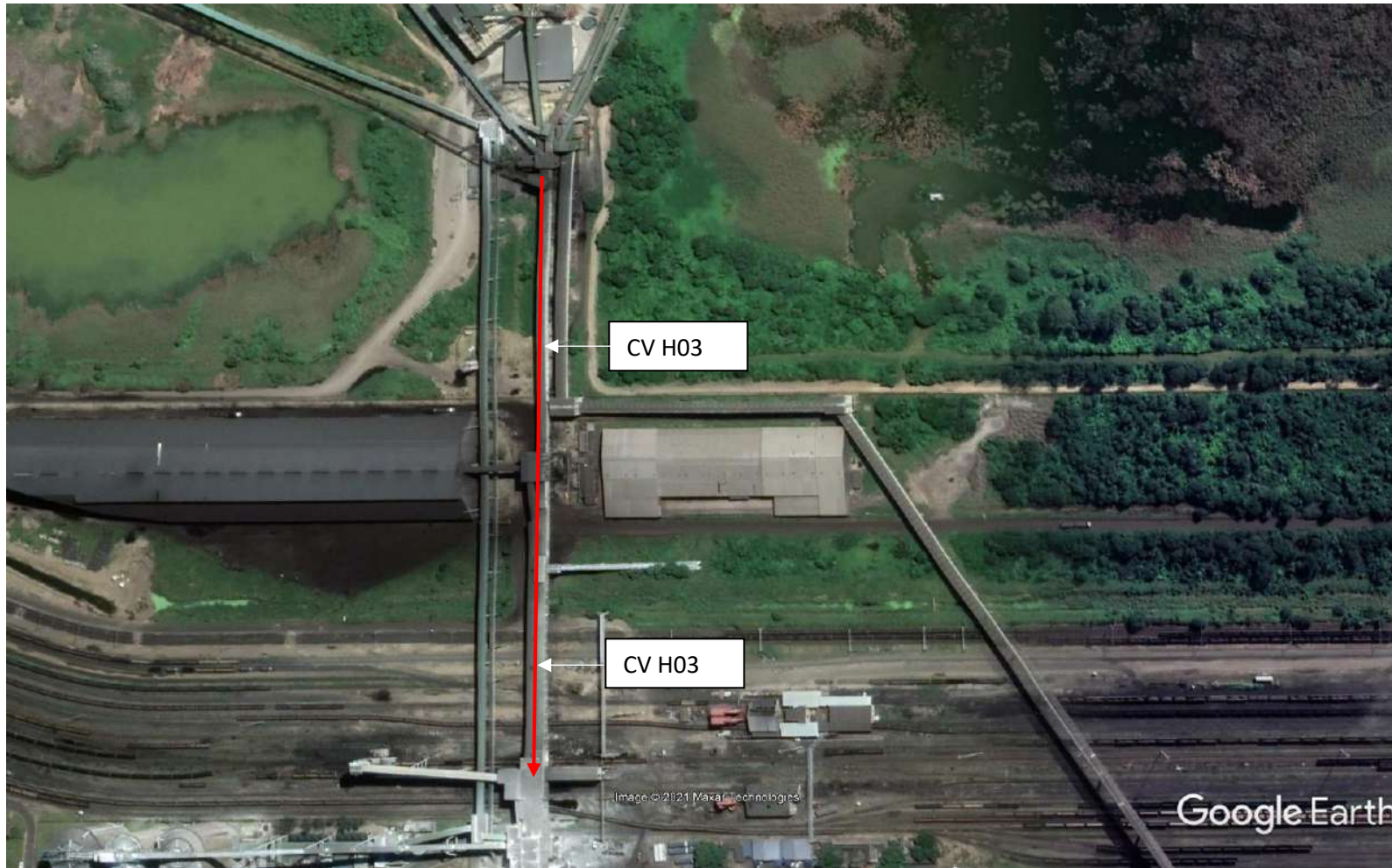


Figure 12: RBGT Export Coal Conveyor

15. FOSKOR Sulphur (H02 & H05) Conveyor System



Figure 13: Sulphur Import Conveyor
Master Agreement

16. AMSA Coking Coal Conveyor System



Figure 14: Coking coal import & export routes
Master Agreement

17. H&V Conveyor Transfer House



Figure 15: H&V Conveyors transfer point

Master Agreement

Part C3: Scope of Work Rev 02

18. Project description

To reinstate the above-mentioned infrastructure on a separate project to normal operating conditions the following dismantling works needs to be carried out as fast as possible, namely:

18.1 Conveyors

18.1.1 Structural

Removal of all conveyors structural steel damaged by the fire, which includes the following:

- i. Stringers at drive end
- ii. Head incline legs
- iii. Head pulley support frames
- iv. Drive & Head Pulley support frames
- v. Take-up & Tail end stringers
- vi. Head incline stringers
- vii. Take-Ups
- viii. Transition stringers
- ix. Stringer modules
- x. Head, intermediate chutes and skirt boxes.

18.1.2 Mechanicals

Removal of all conveyor mechanicals damaged by the fire, which includes and not limited to the following:

- i. Head pulleys
- ii. Head snub pulleys
- iii. Drive pulleys
- iv. Drive snub pulleys
- v. Return bend pulleys
- vi. Take-up bend pulleys
- vii. Tail pulleys
- viii. Conveyor drives c/w motor and gearbox base
- ix. Troughing and return idlers

- x. Belt cleaning equipment
- xi. Flame retardant conveyor belt.

18.1.3 Electrical

Removal of all conveyor electricals and instruments damaged by the fire, which includes and not limited to the following:

- i. MV and LV power cables
- ii. Control cables
- iii. Cable Racking
- iv. Siren relay panels
- v. Electrical junction boxes
- vi. Local control stations
- vii. Cable junction boxes
- viii. Field devices
- ix. Luminaries.

18.1.4 Gallery Portal Structure

Dismantling of all the gallery structural portal steel damaged by the fire;

- HBI Gallery
- Coking Coal Import gallery

18.1.5 Transfer Houses

The transfer houses affected by the fire are as follows:

- H&V Transfer House, not to be dismantled only inside components affected by fire
- HBI Transfer Houses, not to be dismantled only inside components affected by fire
- H00, H01, complete dismantling up to the HV transfer house as optional
- U03 joining span to H03, H02 conveyor, the span is a complete dismantling
- The H00, H01 take up transfer house to be optional to the part of this scope

Transfer house is a structural steel transfer house; therefore, the complete transfer house sheeting will have to be removed with all fire damage components that are housed inside the transfer house. Complete removal of cargo spillages will be required in all floors of the transfer houses.

18.1.6 Services (aligned to the engineering report)

18.1.6.1 Fire Detection and suppression (Galleries and Transfer Houses)

Removal of all fire detection and suppression equipment damaged by the fire. This will include the following:

- i. Fire ring main, deluge valves, sprinkler valves, sprinkler and hydrant system throughout the two (2) galleries that are affected by the fire
- ii. Main line tie-off equipment for sprinkler, hydrant and deluge piping at the fire affected galleries.
- iii. Fire sprinklers on the troughing and return belt side of the belt
- iv. Fire hose reels and hoses
- v. Fire detection and control system
- vi. Fire extinguishers.

18.1.6.2 Potable water (Galleries and Transfer Houses)

Removal of all potable water supply for washing purposes damaged by the fire. This will include the following:

- i. Ring main line system throughout the two galleries, the green line
- ii. Main line tie-off equipment
- iii. Isolation valves at 50m intervals fixed to the portal columns.

18.1.6.3 Lighting (Galleries and Transfer Houses)

Removal of all Luminaires damaged by the fire. This will include the following:

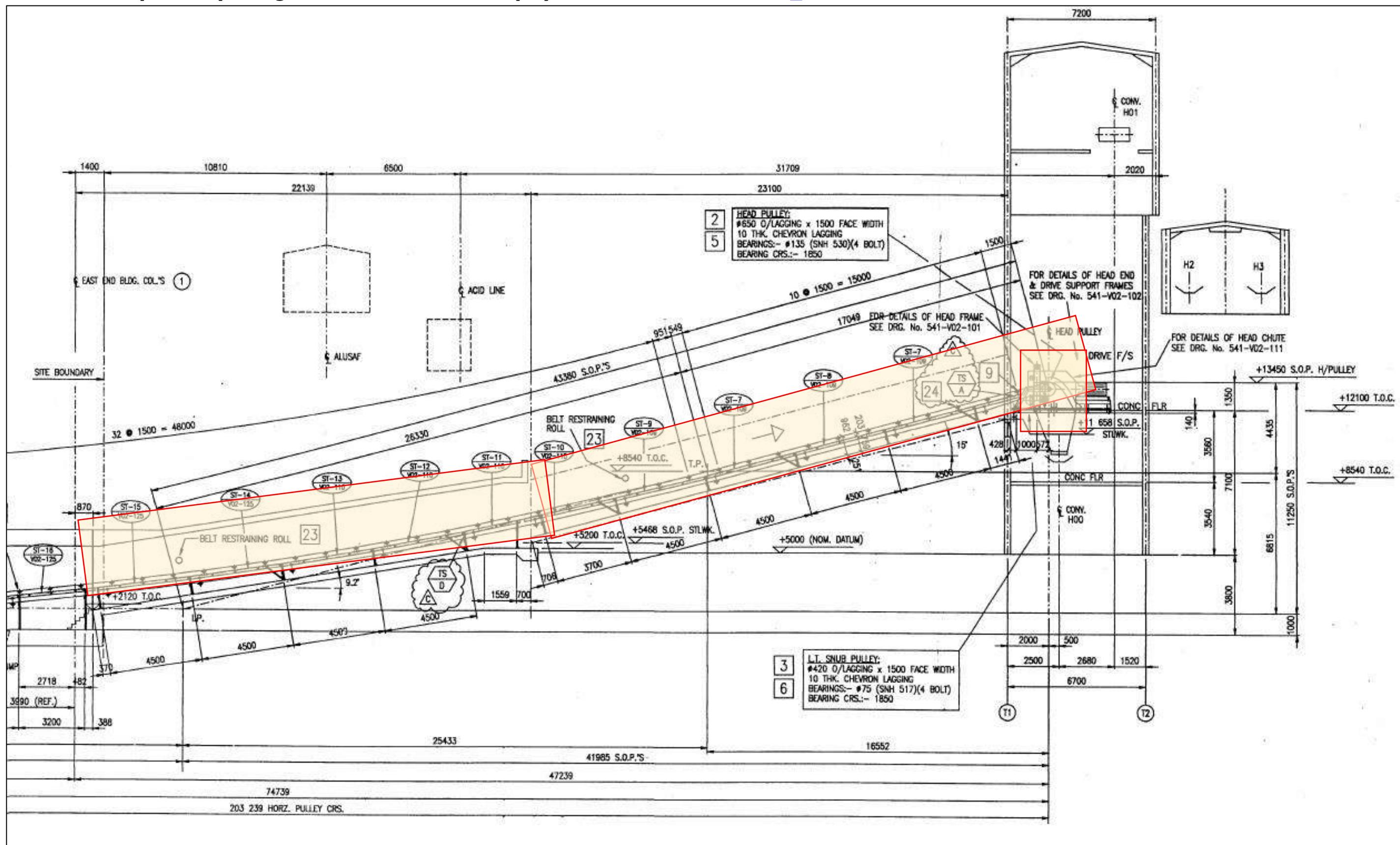
- i. Industrial High-Power LED High Bay light fittings inside the galleries at the required distances.
- ii. Industrial Loading Bay LED lighting at the transfer houses.
- iii. Emergency LED High Bay light fittings in the respective galleries.

19 Information applicable to this tender

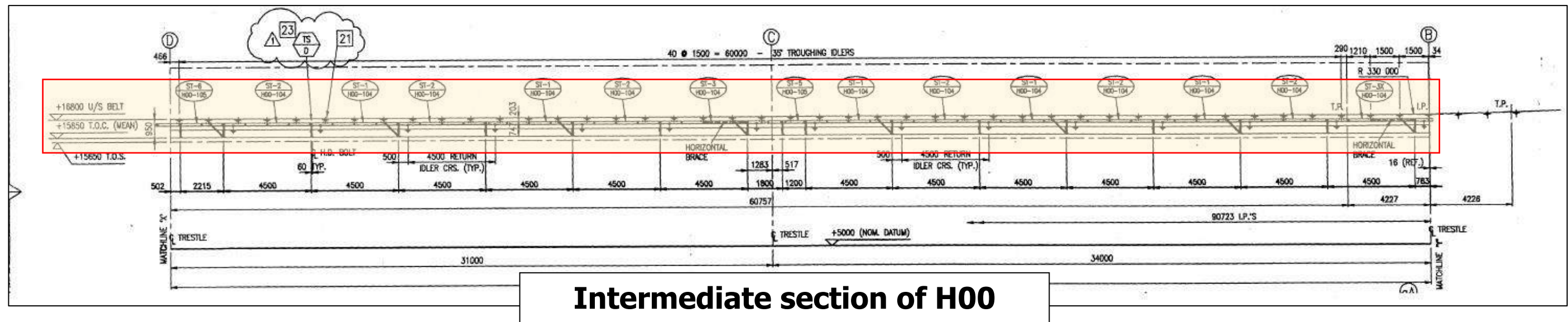
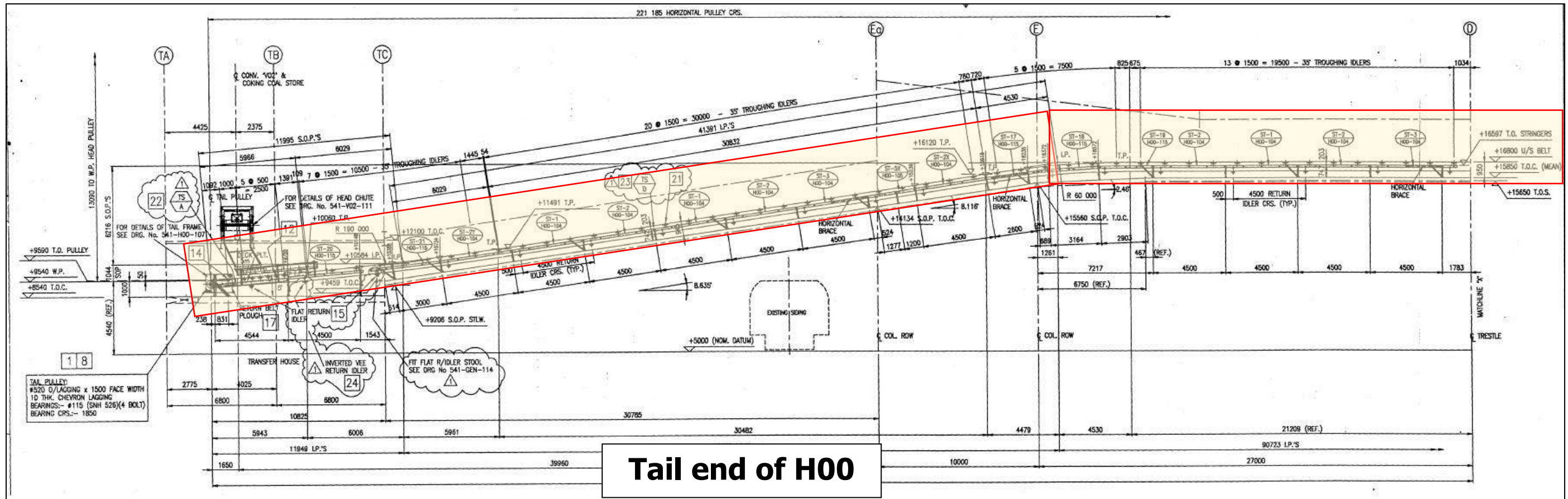
19.1 Whilst the fire devastated most of the conveyor infrastructure of the above-mentioned conveyors certain parts of the respective conveyors were not affected by the fire, so for the purpose of this tender only the infrastructure destroyed by the fire will be dismantled. In order to inform the respective Service provider of what section of the conveyors and transfer houses need to be dismantled, applicable general arrangement drawings and reports are included and shown below for each conveyor and transfer houses with the battery limits of the extent of dismantling required by the Service provider.

19.2 The Service provider has been provided with structural detail drawings which will assist the Service provider to compile pricing schedules per conveyor and transfer houses. Unfortunately, only one (1) conveyor namely H03 has detail drawings with masses, the rest of the conveyors, gallery structures and transfer houses the respective Service provider will have to undertake a material take-off exercise.

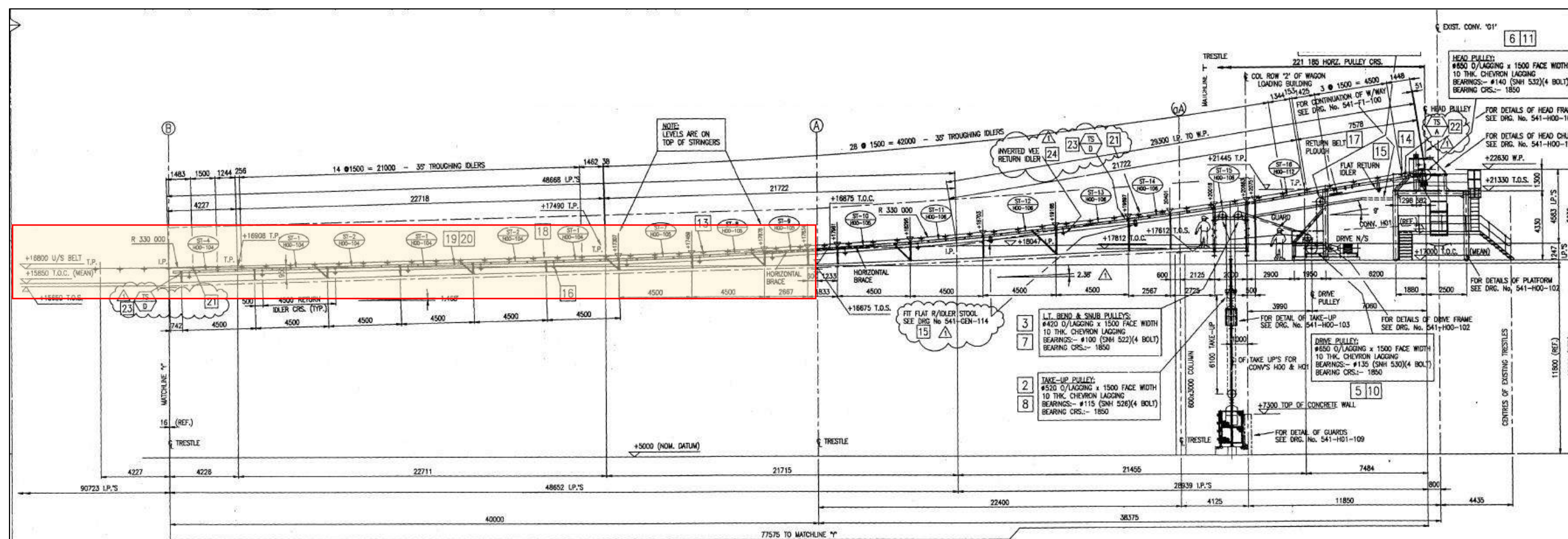
19.5 Conveyor V02 (Coking Coal shed reclaim conveyor) – DWG. No. 541-V02-100_2024



19.6 Conveyor H00 (Coking coal export conveyor) – DWG. No. 541-H00-100_2021

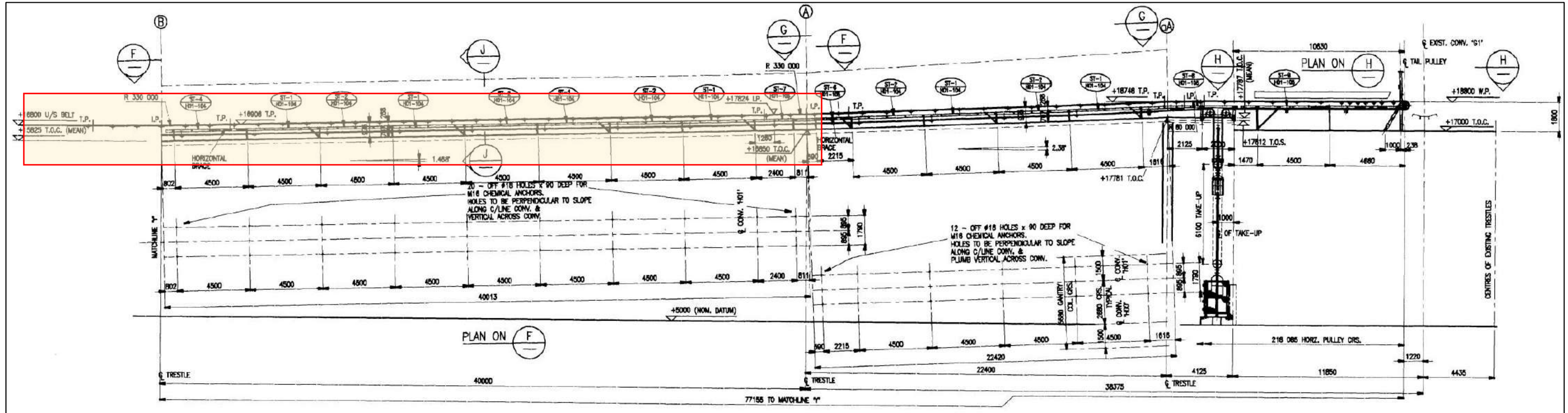


19.6.1 Conveyor H00 (Coking coal export conveyor) – DWG. No. 541-H00-100_2021

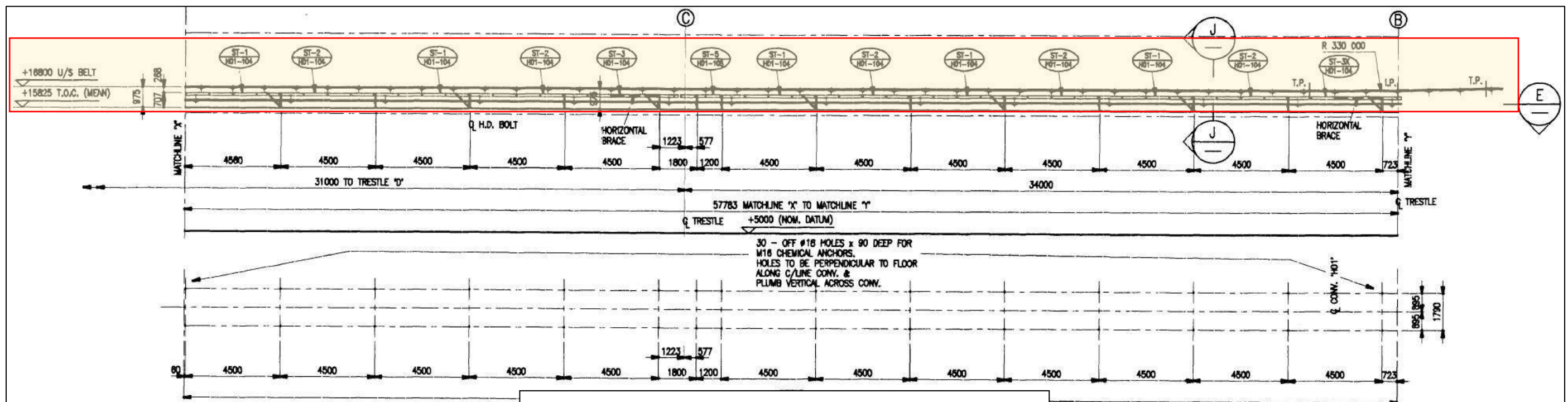


Head-end section of H00

19.7 Conveyor H01 (Coking coal import conveyor) – DWG. No. SCP7178_541_H01_114

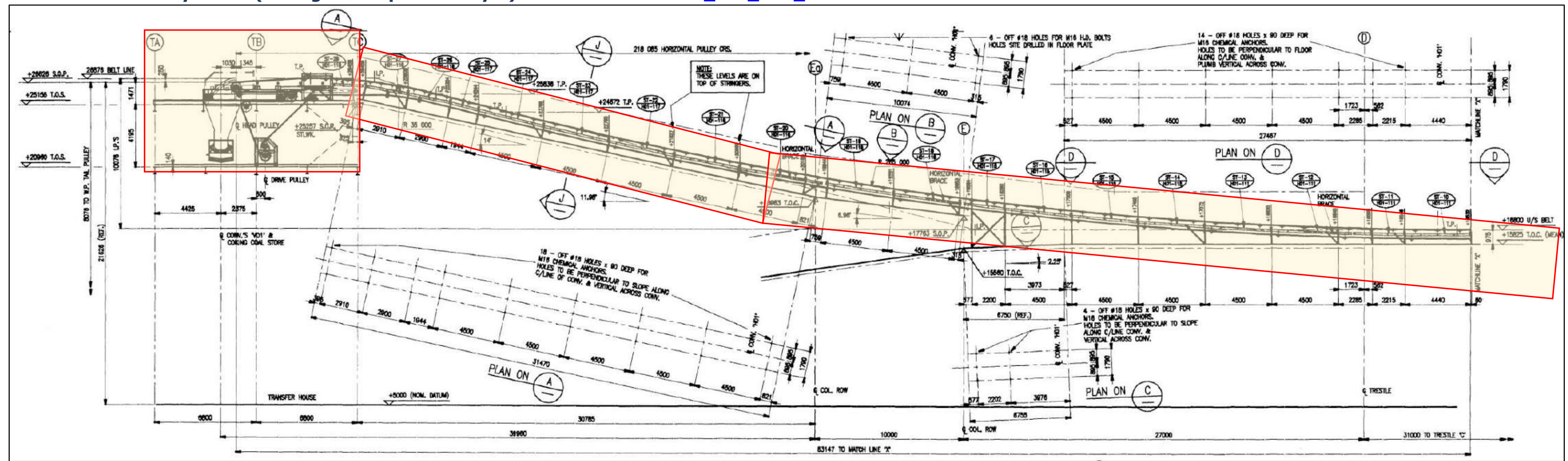


Tail end of H01



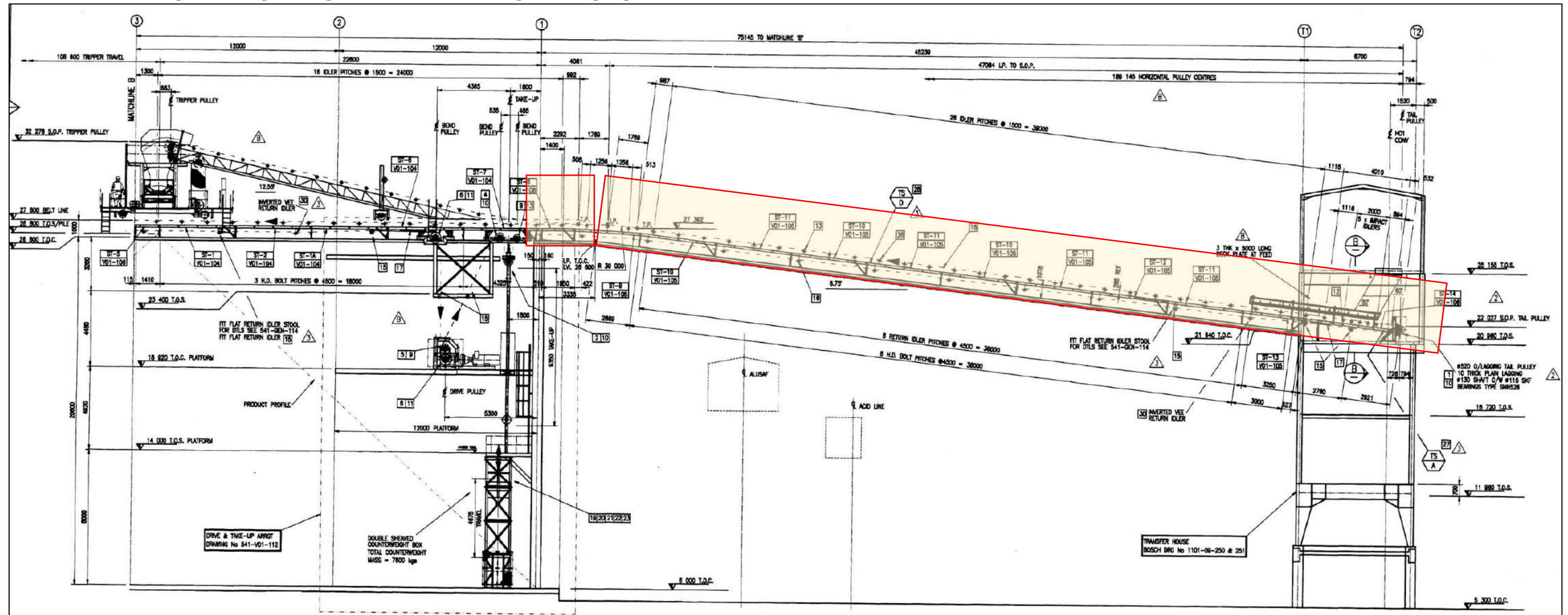
Intermediate section of H01

19.7.1 Conveyor H01 (Coking coal import conveyor) – DWG. No. SCP7178_541_H01_114



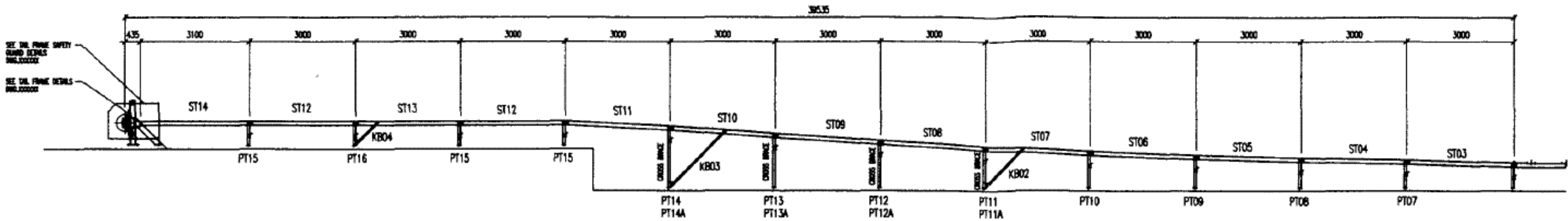
Head-end section of H01

19.8 Conveyor V01 (Coking coal shed stacking conveyor) – DWG. No. 541-V01-100_1033

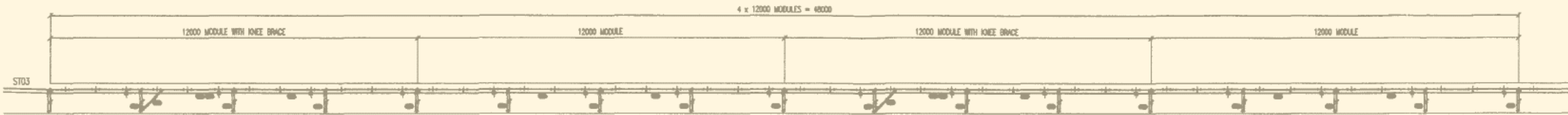


Tail end of V01

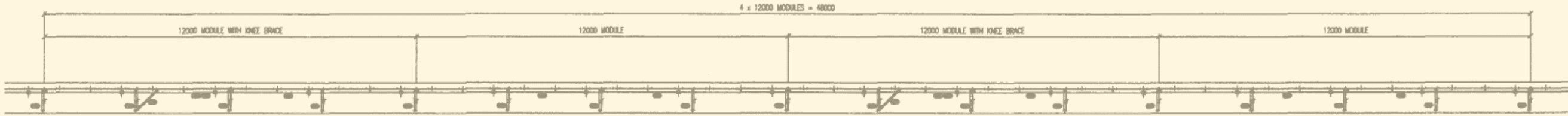
19.9 Conveyor H02(Sulphur import conveyor) – DWG. No. 3264_CONVEYOR_H02_FILE_009



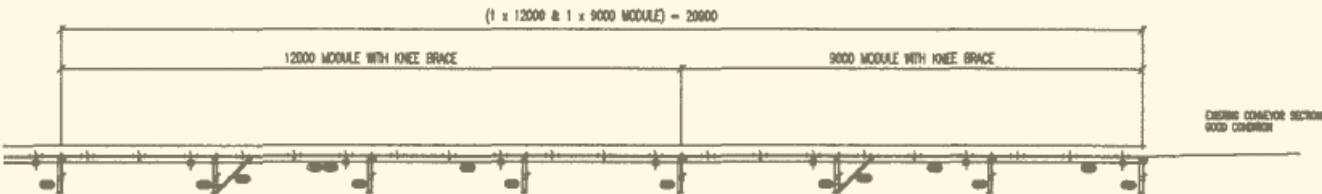
ELEVATION TAIL SECTION



ELEVATION 12m MODULES

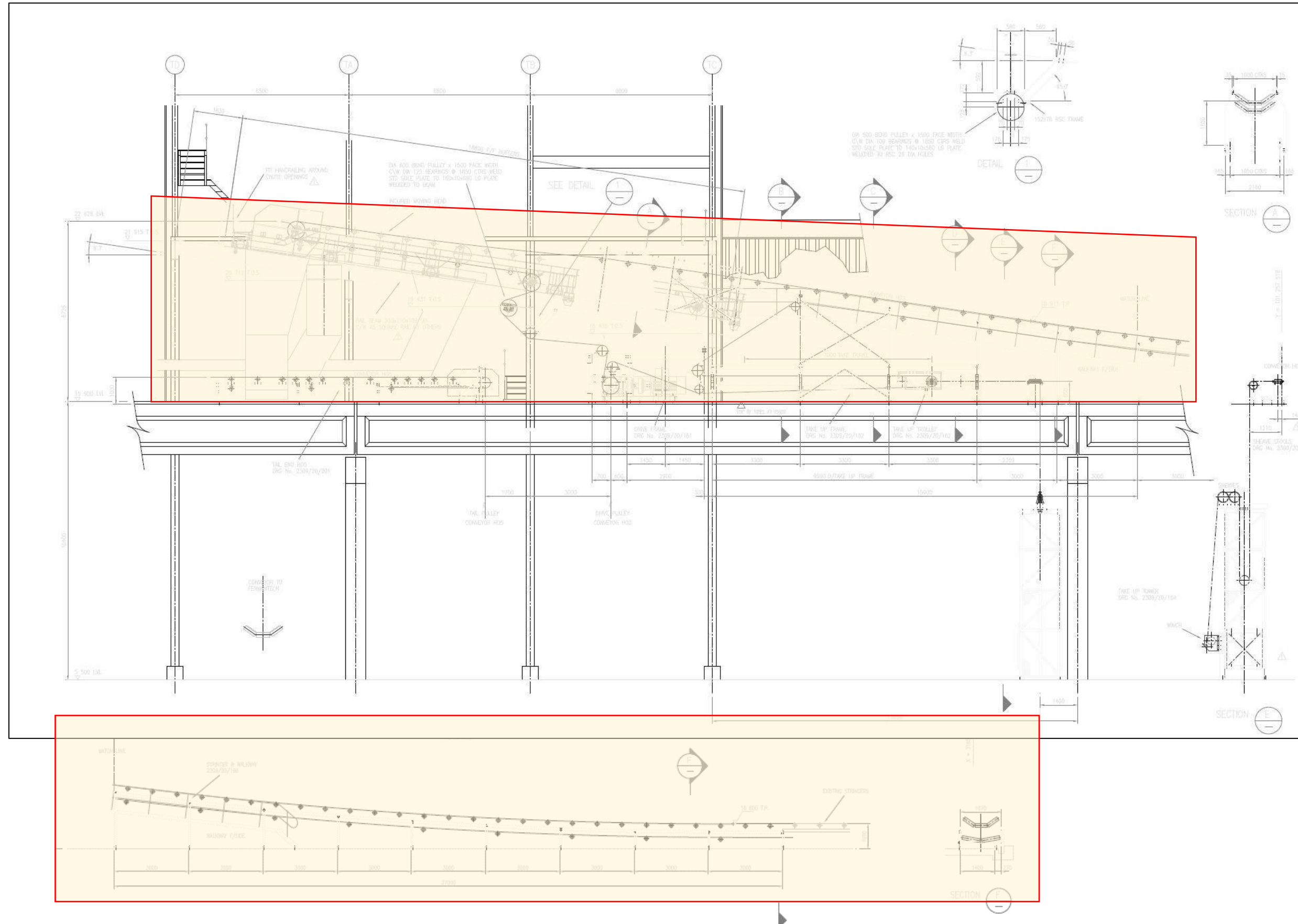


ELEVATION 12m MODULES

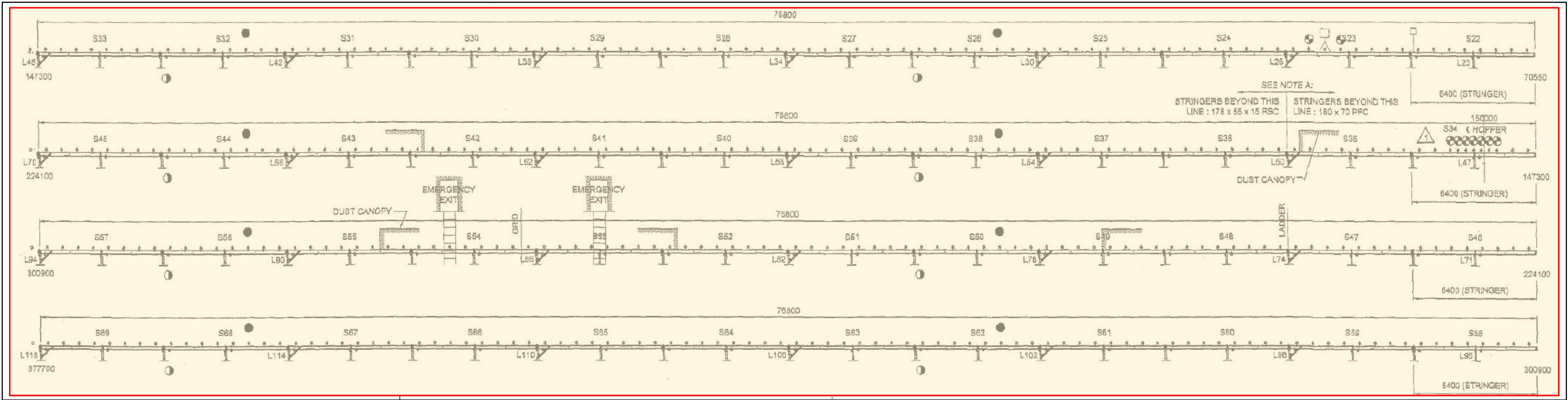
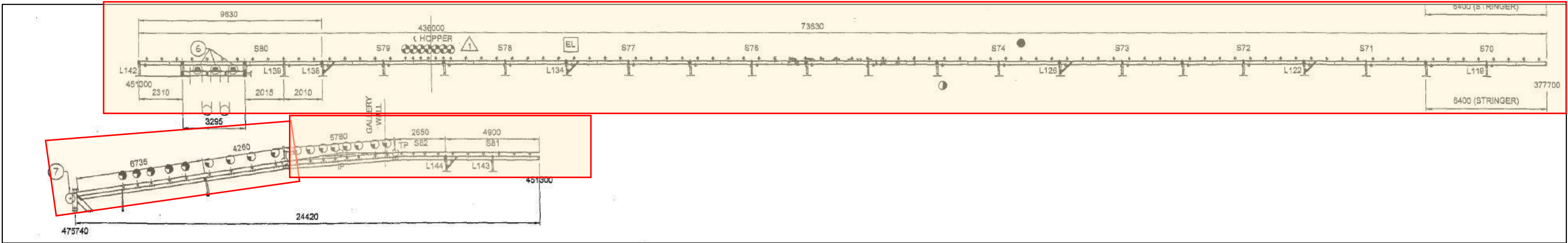


ELEVATION 9m & 12m MODULES

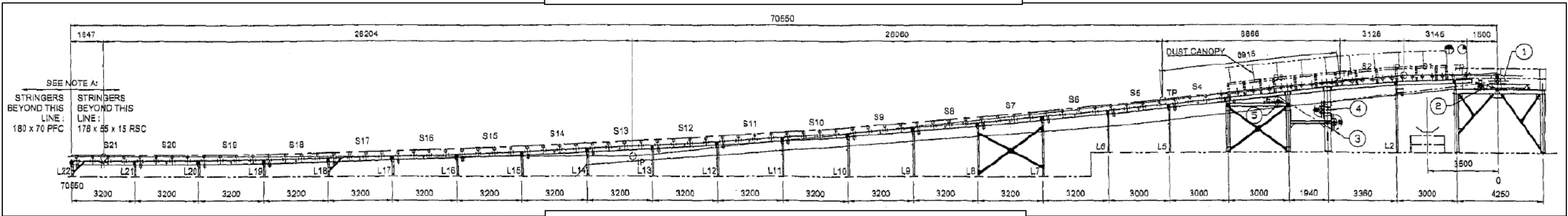
19.9.1 Head end of CV H02 (Sulphur import conveyor) – DWG. No. SCP8858_2309_20_160



19.10 Conveyor H03 (HBI Export Conveyor) – DWG. No. 1017_HEUNES_026

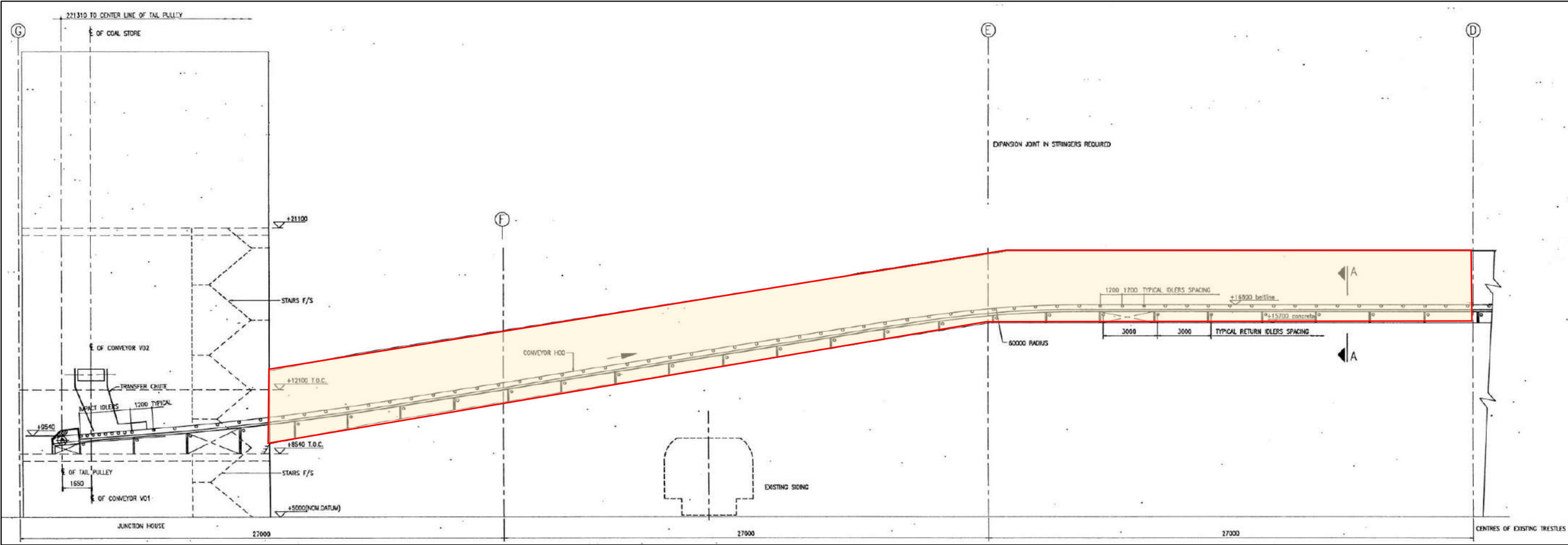


Intermediate Sections of CV H03

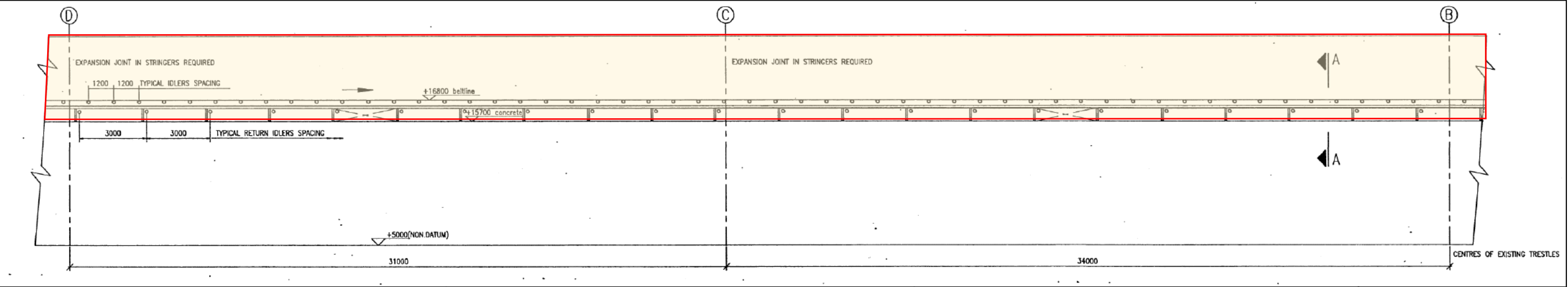


Head-End Section of CV H03

19.11 Conveyors H00 Incline & Intermediate Gallery – DWG. No. HED 404_1037_2634

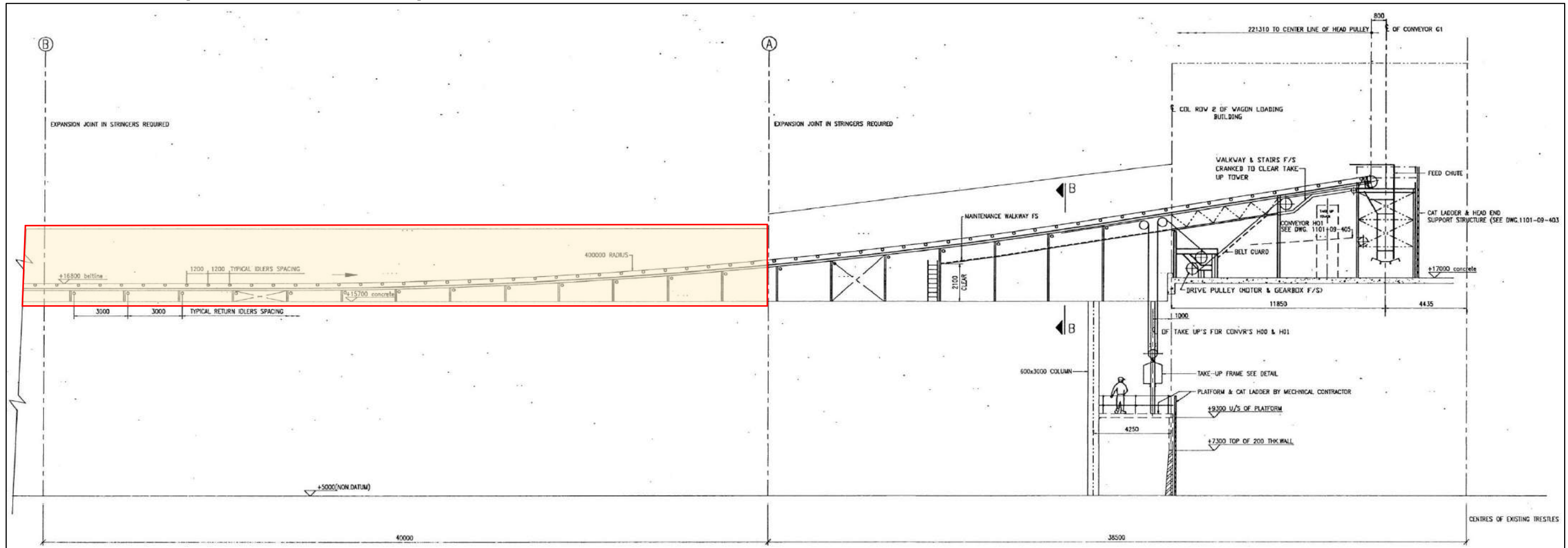


Incline Gallery of CV H00



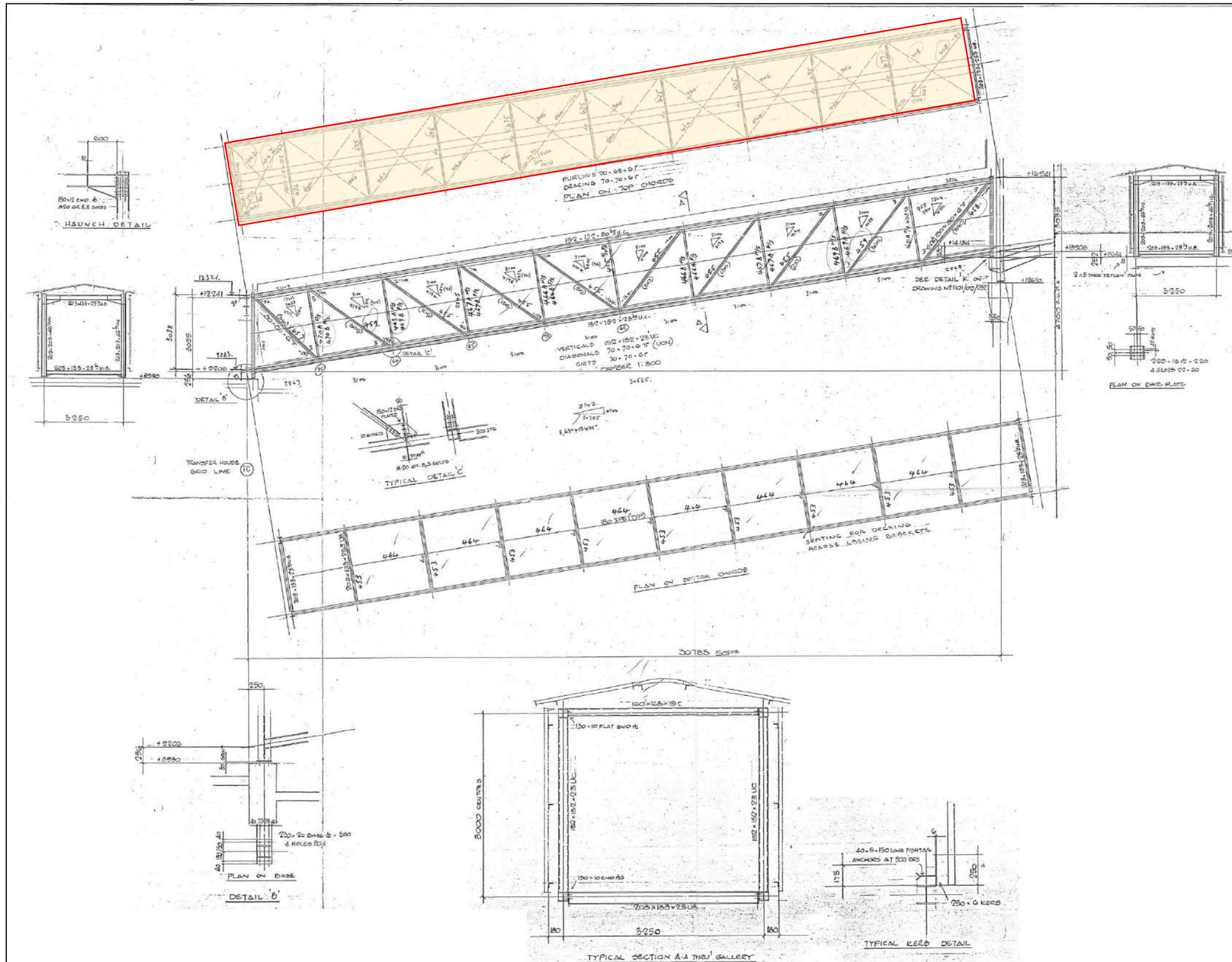
Intermediate Gallery of CV H00

19.11.1 Conveyors H00 Head-End Gallery – DWG. No. HED 404_1037_2634

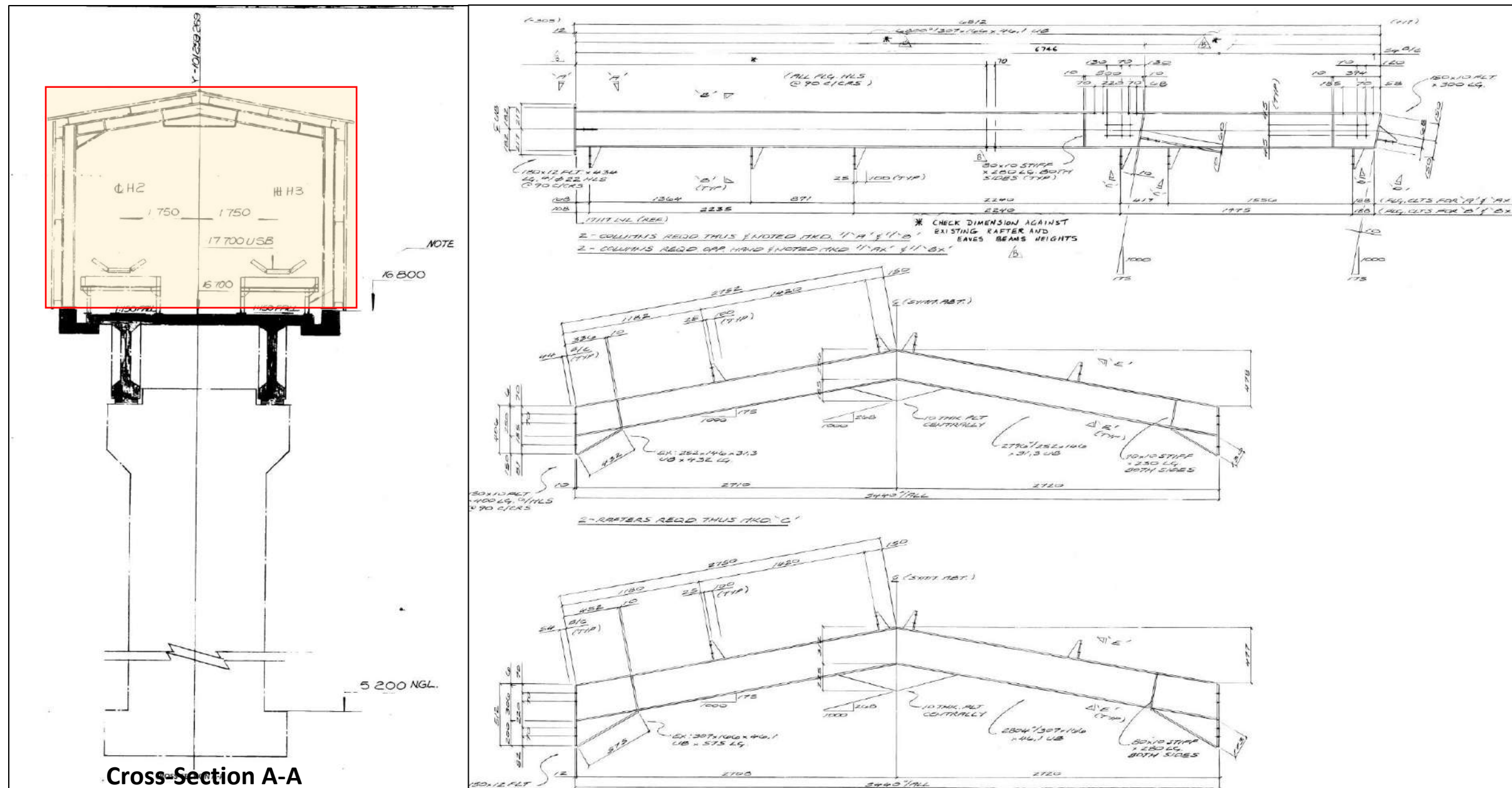
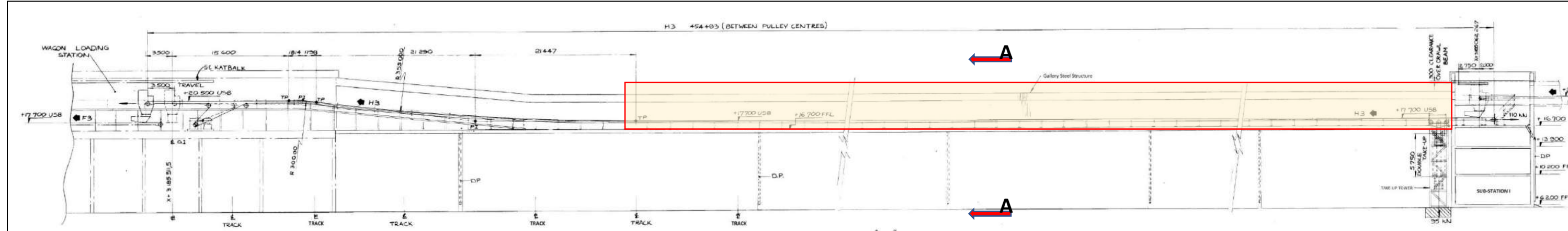


Head- Gallery of CV H00

19.11.2 Conveyors H00 Incline Gallery – DWG. No. SCP9867_1104_09_258



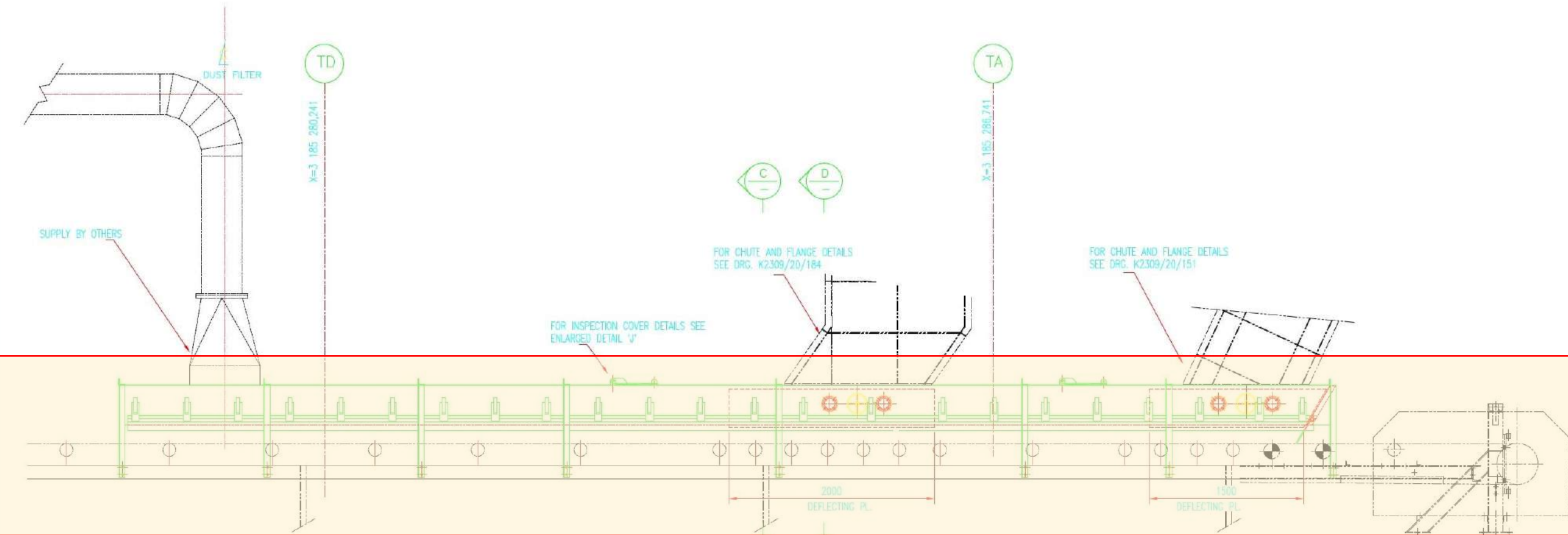
19.12 Conveyors H02, H03 & H05 Gallery – DWG. No. SCP7292_CME7562



19.13 Conveyor H05 (Sulphur import conveyor) – DWG. No. D06-002-112_1190

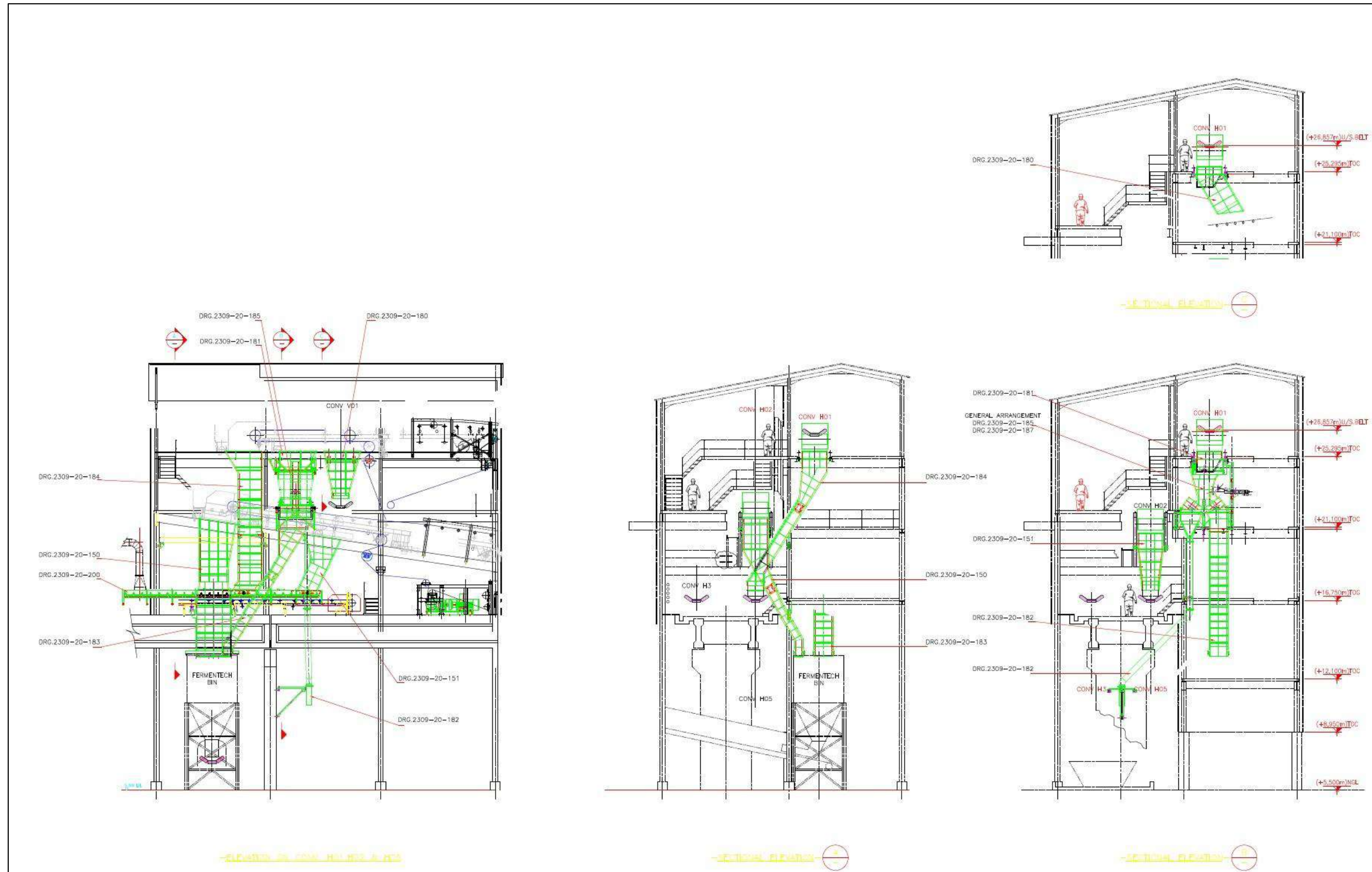


Head- CV H05

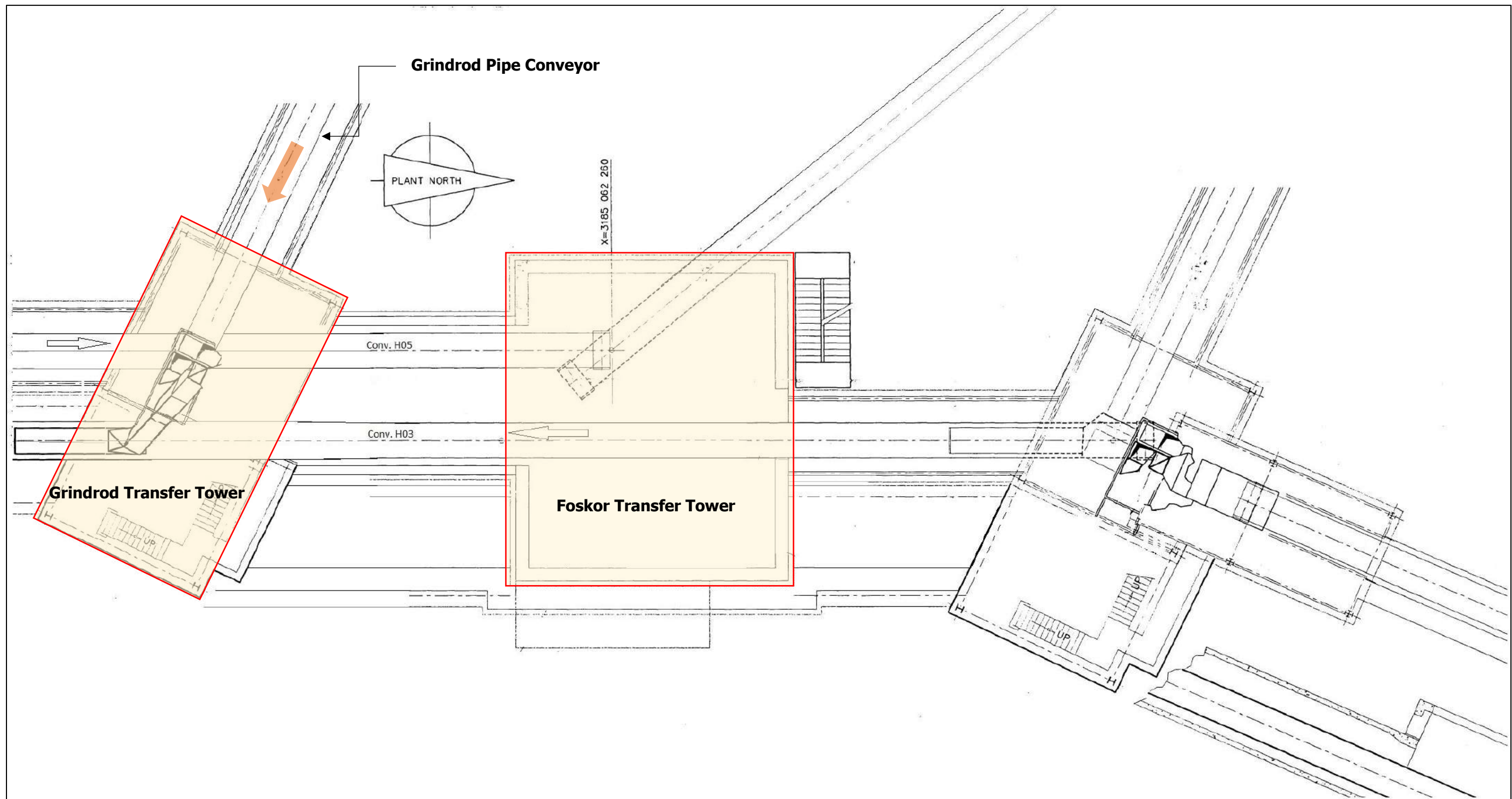


Tail End of CV H05

19.14 Conveyors H&V Transfer House – DWG. No. SCP334_2309_20_298



19.15 HBI Transfer House Plan View – DWG. No. SCP11614_1101_29_215



19.16 Foskor Transfer House Sectional Views – DWG. No. 1101_29_215_2447



20 Proposed method of dismantling

- 20.1 The methodology described below is merely for guidance, the Service provider will be responsible to compile a dismantling method statement that will consider the safest and best methodical way of dismantling the conveyor gallery and transfer houses structures signed off by a registered engineer.
- 20.2 Transnet Port Terminals is not in possession of the original Build Method Statement for the conveyor gallery and transfer houses structures, based on Transnet experience, the following methodology can be considered by the Service provider. The sequence as elaborated below is a guideline only, the Service provider is free to follow his own methodology. But to ensure that the dismantling is done in a safe manner the dismantling should follow the following proposed sequence.

21 Task No.1

21.1 Field devices

There is a substantial amount of field devices all over the conveyor gallery and transfer houses structures. These field devices are all connected to cables, i.e., Control cables and power cables. It's proposed that the Service provider first disconnect all the cables and remove all the cables from the cable racks, to ensure that no cables are attached to any structure or equipment.

21.2 Junction boxes

The majority of the control cables and to some extent power cables will be connected to Junction Boxes. The service provider will disconnect all the incoming and outgoing cables from the respective Junction boxes, and then remove the junction boxes and disposed according to the disposal management plan.

21.3 Cables

All control cable and power cables must be removed and dispose according to the disposal management plan.

21.4 Cable racks

Any cable rack that spans over any stringers, beams or columns, must be removed. All the other cable racking that does not span over any stringers, beams or column but is fixed to a beam or column should stay in place to avoid unnecessary work.

21.5 Luminaires

There are a significant number of luminaires on the conveyor gallery and transfer houses, the Service provider will remove all the luminaries and dispose according to the disposal management plan.

22 Task 2

22.1 Washdown & fire system

- 22.1.1 The conveyor galleries and transfer houses are fitted with a washdown and fire system at three levels. Before the Service provider starts with the uncoupling and cutting of water pipes, the Service provider must make sure that the main line gate valve is closed and locked so that no tampering of the gate valve takes place during the dismantling.
- 22.1.2 The washdown and fire system line runs under the beams of the conveyor gallery and on the transfer houses its secured to the columns and beams of the transfer houses
- 22.1.3 The Service provider must disconnect the supply pipe from the headers. The service provider will salvage all the gate valves, bends and fire hose reels which have not been damaged by the fire and will hand the equipment over to Transnet for storage in the respective stores. Gate valves, bends and fire hose reels which have been damaged by the fire will be disposed according to the disposal management plan.
- 22.1.4 Any water pipe that spans over any beam or column, must be removed. All the other pipes that do not span over any beam or column but is fixed to a beam or column should stay in place to avoid unnecessary work.

23 Task 3

23.1 Structural Dismantling conveyor galleries.

- 23.1.1 Whilst the dismantling of the conveyor galleries by an hydraulic long arm boom would be the quickest and probably the less expensive solution, due to the uncontrolled dismantling of the hydraulic arm the foundation bolts holding the columns of the gallery house will be damaged, which will mean that new hold down bolts will need to be installed, which will be costly and time consuming. Therefore, dismantling by the hydraulic long arm boom is not permitted.
- 23.1.2 The conveyor galleries consist of a concrete composite floor. The sides and roof of the galleries comprises of a structural steel frame, which consists of columns, beams, rafters, purlins, sag bars, side cladding and roof sheeting.
- 23.1.3 The international norm for dismantling a structure is to approach the dismantling of the steel structure by using the top-down method that proceeds from the roof to the concrete composite floor. The method is by starting with the structural elements which are broken down gradually. In the case when structural stability of beams is affected, e.g., due to loss of restraints, the affected beams shall be propped prior to loss of support or restraint. Whilst this is the international norm, the service provider must make use of the drawings provided for the galleries and transfer houses and determine the safest manner to dismantle the structures the respective structures.
- 23.1.4 Once the Service provider has completely removed conveyor belt, conveyor pulleys, structural frames, scraper frames, conveyor drives and head chutes than the roof and side cladding of the galleries then the Service provider will proceed to remove conveyor belt, conveyor pulleys, structural frames, scraper frames, conveyor drives and head chutes. In terms of the conveyor stringers its

recommended that the idlers and frames remain bolted to the stringers and the complete stringer lifted and lowered to the floor. Conveyor H01 has a moving head, the service provider will have to remove the moving headfirst in order to get to the moving head support structure and relevant high-tension pulleys.

24 Task 4

24.1 Structural Dismantling of H&V transfer house

- 24.1.1** The H&V transfer house comprises of a structural steel frame, which consists of columns, beams, staircases and landings, walkways, side cladding and roof sheeting. Four floors of the transfer house are concrete composite floors. Just like the gallery steel structure here too the top-down method that proceeds from the roof to the concrete composite floor is advised. The method is by starting with the structural elements which are broken down gradually. In the case when structural stability of beams is affected, e.g., due to loss of restraints, the affected beams shall be propped prior to loss of support or restraint. Whilst this is the international norm, the service provider must make use of the drawings provided for the transfer house and determine the safest manner to dismantle the respective structures.
- 24.1.2** All the intermediate chutes and skirt boxes which are secured to the beams or columns of the transfer house will have to be removed as the service provider progresses downward.
- 24.1.3** At all times the Service provider must ensure that the design loads of the floor are not exceeded by equipment/plant used to dismantle the structures. Should the loads of equipment/plant exceed the design loads then temporary props must be installed to support the floor during the dismantling.

25 Task 5

25.1 Structural Dismantling of Foskor transfer house

- 25.1.1** The Foskor Transfer house is a concrete bricked transfer house which supports a structural steel frame, which consists of columns, beams, staircases and landings, walkways, side cladding and roof sheeting on the top floor of the housing. Unlike the H&V as well as the Grindrod transfer house the Grindrod transfer house has a cantilever structural frame on the side which will also need to be dismantled along with the rest of the structural steel house.
- 25.1.2** As this gallery did not suffer major fire damage, the concrete bricked building will not be dismantled.
- 25.1.3** All the intermediate chutes and skirt boxes which are secured to the beams or columns of the transfer house will have to be removed.

26 Task 6

All the steel once dismantled, must be loaded and transported to the allocated site,

27 Task 7

Debris and Waste Handling is the responsibility of the Service provider. Supply and install ways of handling debris and waste in order to prevent materials from being thrown, tipped or shot down from a height where they are liable to cause injury to any person on or near the site.

28 Task 8

The Service provider is responsible for debris recycling. The Service provider will be responsible for the dismantling and removal of wastes of the same category one at a time. The goal is to facilitate recycling of wastes for beneficial reuse, thus minimizing the burden on municipal landfills.

29 Task 9

The Service provider is responsible for debris disposal and management to an approved waste disposal site. All construction and dismantled materials arising from or in connection with the dismantling work shall be sorted on-site and be separated into different groups for disposal at landfills, public filling areas, in filling areas provided by the respective municipalities. The costs associated with the disposal at landfills and public filling areas, is for the Service provider's account.

30 Task 10

The Service provider is responsible for the provision of scaffolding to aid in the dismantling of the structures. The scaffolding shall be installed by a reputable scaffolding company and inspected by a competent person at regular intervals not exceeding 14 days immediately preceding each use.

31 Principles for the selection of lifting equipment

31.1 Verification

All lifting equipment should be of adequate strength, sound material, of good construction and suitable for the duty which it must perform. It should be verified in accordance with the requirements of the standard being worked to. New equipment should comply with the essential health and safety requirements stipulated in the applicable legislation, product standard where available, and issued with the required conformity documentation.

31.2 Factor of safety (FOS)

Good practice requires that any lifting equipment shall have an adequate factor of safety incorporated in its design. Where appropriate in each of the separate sections, a minimum factor of safety for the specific item is required and this should not be reduced.

31.3 Information which should be exchanged between the Service provider and the Employer

31.3.1 The Service provider's Competent Person must provide the particular requirements of a load to be lifted and the proposed manner in which the equipment is to be used. This is essential

in order to establish the required SWL when considered against the working load limit or rated capacity.

31.3.2 The following is a typical list of information which should be exchanged. It should be noted that the list is confined to information relating to the safety of the equipment:

31.3.3 Geometry and total maximum weight of the load to be lifted.

31.3.4 Detailed description and/or drawing of the load to be lifted giving all principal dimensions which affect the lifting operation and method of lifting envisaged. In particular, emphasis on (a) headroom, (b) height of lift, (c) transport when suspended, (d) manipulation of suspended load, (e) centre of gravity. In addition, methods of lift and means of attachment should be stated together with external obstructions likely to be encountered in the use of the items.

31.3.5 Details of any adverse environmental conditions such as extremes of temperature, humidity, chemical attack, corrosive atmospheres.

31.3.6 Details of frequency of use and average loadings so that a duty rating can be established.

31.3.7 Details of where to send operating instructions and legal documentation including information on correct maintenance, storage and limitations on its use.

31.4 Marking, storage and handling

31.4.1 Marking

Equipment which has been satisfactorily verified in accordance with the product specification and has passed the subsequent thorough examination should be marked with:

31.4.1.1 the WLL/SWL or rated capacity; and

31.4.1.2 an unambiguous means of identification to cross refer to the associated documentation; and

31.4.1.3 such other marks as are required by the standard being worked to and by legislation.

31.4.1.4 Marking should be by suitable means, i.e., plate, metal tab, textile label, etc, permanently attached or by stamping directly into the equipment, preferably in a non-load bearing or low stress area. Stamping into a stressed area may also be permissible provided that the mechanical properties of the component are not significantly impaired. Where applicable, the position and size of stamping should be as indicated in the relevant standard. When the means of marking can be lost, additional information should be used to convey this information. It is therefore recommended that the identification mark should also be put directly onto the equipment so that in the event of the original means of marking becoming detached, the identity is not lost, and the other information can be recovered from the related documentation.

31.4.1.5 Should any of the required marking become obliterated or illegible, the equipment should be withdrawn from service and referred to a Competent Person for re-marking or, if necessary, for re-verification and re-marking.

31.4.1.6 Where the Service provider wishes to mark the equipment with information which is liable to change (e.g., plant location reference, date of examination, etc.) it is recommended that a tag is used as the frequent stamping and subsequent obliteration of stamp marks on load bearing components is detrimental and will, at best, shorten the life of the equipment.

31.4.1.7 The SWL of new equipment will be in the metric units of tonnes (t) or kilograms (kg) or imperial units of Tons (T) and Pounds (lb). The generally accepted rule is that a SWL of less than one tonne or Ton are marked in kilograms or pounds respectively.

31.4.1.8 Certain items of lifting equipment are marked with a grade or quality mark, particularly where this information is required for safe use.

31.5 Storage and handling

31.5.1 In order to reduce to a minimum, the risk of damage or deterioration which may affect the safety of equipment, it is essential to provide suitable storage for equipment not in use and in many cases to prepare it for storage first.

31.5.2 The ideal storage requirements vary according to the nature of equipment and reference shall be made to manufacturers literature. However, in general the storage area should be dry, free from injurious pollution and not subject to extreme temperatures. Equipment embodying exposed threads or machined bearing surfaces (e.g., eyebolts, shackles) should be protected and handled with care. Equipment which is returned to stores wet or has been subject to other substances liable to cause deterioration should be treated with special care. In particular, it should be remembered that solutions of chemicals will become more concentrated as the solvent evaporates, e.g., weak acids will become strong acids. In these circumstances the general advice is to clean and dry the equipment into storage.

31.6 Inspection

31.6.1 Lifting equipment can be subjected to operational and environmental conditions which may affect its safe working characteristics. Legislation therefore requires that lifting equipment is properly maintained and safe to operate at all times. To ensure that this is the case, current good practice requires pre-use inspections and interim inspections at suitable intervals between the statutory thorough examinations. Regular 'interim' inspections should be instituted, at appropriate intervals, to ensure the legal requirements are met. The period between the 'interim' inspections will be determined by the utilization, age of the equipment and remaining design life, environment, manufacturers literature and similar factors based on the history of the equipment. Inspections are particularly important before issue for use.

31.6.2 The interim inspection should be carried out by a Competent Person.

31.7 Safe use of lifting equipment

31.7.1 General procedure

31.7.1.1 The objective of good lifting practice is to ensure that the load is safe and, when lifted, is as secure in the air as it was on the ground.

31.7.1.2 There are two terms commonly used to describe the attaching of the load to the lifting appliance, 'slinging' and 'rigging'.

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- 31.7.1.3 The following is a general procedure which must be adapted to any lifting operation irrespective of the type of lifting appliance or the method of attaching the load to the appliance, namely:
- 31.7.1.4 Determine the weight of the load and the position of its centre of gravity in relation to the lifting (pick up) points. In all lifting operations, care should be taken to ensure that the load imposed on any item does not exceed its SWL. Where there is any uncertainty about the weight of the load or the load applied to a particular part of the equipment, load sensing devices must be used.
- 31.7.1.5 Decide upon the method of lifting and slinging the load. The equipment selected should only be used in accordance with the manufacturer's instructions and should not be used or adapted for any other purpose without the approval of the manufacturer or other competent design authority. The equipment and its method of use should be suitable for the load and the method of attachment of slings to the load and slings to the lifting appliance should be secure. No item of lifting equipment should be overloaded either by the weight of the load or the weight and method of slinging.
- 31.7.1.6 The slinging method must ensure that the load is balanced, does not violently or unintentionally change its attitude when lifted and at all stages of the lift remains in a stable condition. In general, the load will swing and may be unstable if at any time the centre of gravity of the load is not vertically beneath the crane hook, or the centre of gravity of the load is higher than the point of attachment of the slings to the load.
- 31.7.1.7 Care must also be taken to ensure that the load is not damaged by the lifting equipment and equally that the lifting equipment is not damaged by the load. Depending upon the slinging method chosen, packing must be provided between the sling and the load.
- 31.7.1.8 A pre-use inspection of the lifting equipment should be completed to check for obvious defects before use.
- 31.7.1.9 Ropes or 'tag lines' must be used to control the load once it is in the air. The tag line should be of such length that the operative(s) need not stand under the load during the lift. Under no circumstances must tag lines be used to balance the load, or for any other purpose than controlling the rotation of the load.
- 31.7.1.10 The lift plan shall consider any obstacles which may have to be avoided.
- 31.7.1.11 Before commencing the operation, a suitable landing site should be prepared. The site chosen must be of adequate size and capable of taking the weight of the load. The Service provider must provide suitable landing pads, e.g., timber bearers, to enable the slings to be removed from under the load.
- 31.7.1.12 The Service provider must ensure that the load is free to be lifted and not restrained by fixing bolts, jigs, etc. Seals or joints, which may offer considerable resistance, should be separated by other means before the lift commences.
- 31.7.1.13 Ensure that any loose parts of the load are adequately secured, either by the slinging method or by other means such as, containers, bindings, or secondary positive holding devices, or that they are removed.

- 31.7.1.14 There must be a clear method of communication between all those with duties under the lift plan and involved in the lifting operations. Hand signals are preferred to voice communication particularly where noise might interfere. If voice communication is used, there should be an agreed protocol to ensure that misunderstandings do not occur.
- 31.7.1.15 Unless unavoidable, no-one is allowed under a suspended load and as far as possible, all people should be kept clear of the area of operations. Where it is not possible measures shall be provided to protect persons in the danger zone, e.g., secondary load restraints to secure the load if the primary fails.
- 31.7.1.16 With ALL lifting operations, the load should be lifted a nominal distance only in the first instance. This trial lift is required to confirm the balance, stability, and general security of the load whilst it is in a relatively safe position. If any discrepancies are found, the load should be lowered, and the slinging revised within the limitations of use. The sequence of trial lift and adjustment should be repeated until the operative is satisfied that the load is balanced, stable and secure.
- 31.7.1.17 When lowering the load, it should be brought to a halt a short distance above the landing site to allow the operative to steady it, check its position and the position of any landing pads, etc. and to ensure that all personnel are clear of the danger area. The load should then be carefully lowered down into position. Before slackening off the slings, check that the load is safe and stable. If not, it should be lifted slightly to allow the landing blocks, etc. to be adjusted and lowered again. The load should not be lowered so as to trap the slings as this may result in serious damage to them.
- 31.7.1.18 Having set the load down correctly, the sling legs should be manually withdrawn by the Service provider. The lifting appliance should never be used to drag a sling out from under a load.
- 31.7.1.19 If, when the lifting operation is complete, the equipment is no longer required, it should be returned to proper storage.
- 31.7.1.20 If slings are to be left on the lifting appliance for further lifts, the sling legs should be hooked back onto the upper terminal fitting to minimise the risk of inadvertently becoming hooked onto surrounding objects or striking someone.

31.8 Use of rope blocks with supporting structures

It should be noted that when rope blocks are used, the load imposed on the supporting structure is increased by the value of the hoisting effort. This additional load is also imposed on any equipment used to connect the top hook or eye of the pulley blocks to the structure. Care should therefore be taken to ensure that the structure, together with all other above hook equipment (e.g., trolleys, beam clamps, shackles, eyebolts) is of adequate capacity.

31.9 Sling Geometry

31.9.1 Two leg slings

For a two-leg sling, if each leg must have the same angle to the vertical, then the load will be shared equally between them.

31.9.2 Three leg slings

With a three-leg sling it is assumed that, viewed in plan, the legs are at 120° to each other. If two of the legs are closer than that, the third leg will receive a greater share of the load. Ultimately, if two of the legs are side by side, i.e., at zero angle to each other then they will receive only half the load between them leaving the third leg to take the other half on its own and thus be overloaded.

31.9.3 Four leg slings

With a four-leg sling, it is assumed that viewed in plan, the legs are symmetrically disposed, the lower attachment points making the corners of a rectangle. Ideally, the nearer the rectangle is to a square the better, but this is by no means essential. However, as for the two leg slings, the smaller the included angle between the legs the greater the effect of unequal angles. On a four-leg sling, the unequal effect can occur across either or both of the horizontal axes, i.e., along the length of the rectangle and/or across the width of the rectangle.

31.10 Protection

- 31.10.1** The need for adequate protection between sling and load is of great importance.
- 31.10.2** The objectives of the protection are:
- 31.10.3** To provide an adequate radius around which a sling may pass without unacceptable loss of load carrying capacity.
- 31.10.4** To assist the sling in gripping the load.
- 31.10.5** To prevent damage to the load and sling.
- 31.10.6** Various materials are suitable for protection. Whatever is used must be capable of taking the crushing forces which will be imposed upon it, and it should be positioned to make best use of its strength.
- 31.10.7** When positioning protection, it is essential to ensure that it will stay in place throughout the lift, as packing which falls or flies out will be a hazard in itself as well as imposing shock loads upon the lifting equipment.

31.11 Planning the lifting operation

All lifting operations, no matter how simple or routine, need to be planned by a person competent for the purpose who understands the principals involved, the equipment to be used, the nature of the load, the environment in which the lift is to be made and any other factors which may affect the operation. The person planning the lift should be appropriately trained and have the requisite knowledge and expertise of planning lifting operations.

31.12 Information required to plan a lifting operation

- 31.12.1** There are four important matters to consider when planning a lifting operation:
- 31.12.2** the load.

31.12.3 the task to be performed.

31.12.4 the lifting equipment; and

31.12.5 the site.

31.12.6 These cannot be considered in isolation but are interlinked and must be considered as a whole, as they all affect the choice of lifting equipment and the procedures to be adopted if the operation is to be performed efficiently and safely.

31.13 Conveyor gallery appraisal and dismantling plan

Prior to carrying out any conveyor gallery and transfer houses dismantling, detailed building appraisal by means of surveys and appropriate assessments shall be required. In general, the surveys shall include a conveyor gallery and transfer houses Survey and a Structural Survey with photographs or videos taken for future reference. Based on the findings of these surveys, a dismantling plan shall then be prepared and submitted to Transnet for approval. The dismantling plan must also be accompanied by a report together with structural calculations assessing the stability of the conveyor gallery and transfer houses to be dismantled and all affected buildings, structures, streets, land and services.

31.13.1 Conveyor gallery and transfer houses survey

31.13.1.1 Record Drawings

Prior to the conveyor gallery and transfer houses, the existing record plan, including layout plan showing adjoining structures, pedestrian bridges, roads, etc. shall be reviewed.

31.13.1.2 Survey Items

The conveyor gallery and transfer houses Survey shall cover the following:

- The construction materials.
- The existing use and, if possible, the past use of the conveyor gallery and transfer houses prior to dismantling.
- The presence of wastewater, hazardous materials, matters arising from toxic chemicals, flammable, or explosive and radioactive materials, etc. and possible presence of materials which can contribute to air pollution and soil contamination.
- Potentially dangerous areas, e.g., abnormal layouts, presence of enclosed voids, and non-ventilated light wells which may trap obnoxious gas at the bottom.
- Adjoining site conditions, such as the existence of slope and retaining wall, wall supporting ground, railway structures, distribution substations, cables, and other utility service connections.
- Drainage conditions and possible problems on water pollution on water receiving bodies.

- Shared facilities to the adjoining buildings, during dismantling.
- Adjoining pedestrian and vehicular traffic conditions.
- Available headroom, clear spaces which may affect the loading operation and transportation of building debris during dismantling.
- Available site area to allow on-site sorting of building debris; and
- Street furniture such as fire hydrant, streetlights, street signs which could be affected by the dismantling project.

31.13.1.3 Hazardous materials

- 31.13.1.3.1 Unless the conveyor galleries and transfer houses survey reviews that obvious hazardous material is present, the Service provider shall cause proper sampling and testing for the hazardous materials.
- 31.13.1.3.2 In the case when hazardous materials e.g., asbestos containing materials, or petroleum, are present, they shall be removed and cleaned/disposed of according to the statutory requirements administered by a registered Environmental waste handling company.
- 31.13.1.3.3 In the case when the site has previously been used to store chemicals, and other dangerous goods, soil contamination assessment shall be required at pre-dismantling stage and/or post-dismantling stage.

31.13.2 Structural survey

31.13.2.1 Record drawings

Prior to the Structural Survey, the existing record layout, structural drawings, and structural details shall be studied. The Service provider 's Registered Structural Engineer shall check the presence of unusual detailing that may cause abnormal structural behaviour during dismantling, e.g., upward anchor of tensile reinforcement in cantilevered structures. Transnet will provide the Service provider existing drawings; these drawings shall be used as reference and preferably be used along with the Structural Survey.

31.13.2.2 Survey items

The Structural Survey shall cover the following:

- The structural materials used.
- The original structural system employed in the design.
- The method of construction.
- Any dilapidation and degree of deterioration on any structural elements.
- The structural conditions of adjoining structures and its shoring which may be affected by the proposed dismantling work.
- The presence of continuous structures that may be truncated by the dismantling.

- The structural system and structural conditions of basements, underground tanks or underground vaults.
- The presence of exposed bracing or possible presence of covered bracing.
- The nature of walls, whether it is block wall, reinforced concrete walls, load bearing walls or partition walls.
- Cantilevered structures such as canopies, platforms, or other forms of structural features.

31.13.2.3 Special structures

The Structural Survey shall review the following:

- the correctness of structural information available.
- the presence of any unconventional structural elements which may require special attention and well-defined modification procedures.
- the possibilities of structural modification to enable efficient dismantling traffic during dismantling; and
- any limitation on shoring and other temporary supports.

31.13.2.4 Investigation and testing

In the case when no structural details are available, the Structural Survey shall include on site measurement and retrieve any structural framing as much as practicable, performing tests and exposing some key structural elements to facilitate checking on existing structure. This will allow the development of procedures that ensure the stability of the structures at all stages during dismantling.

31.13.3 Dismantling plan and stability report including calculations

31.13.3.1 Dismantling plan

A Dismantling Plan shall include the following:

31.13.3.1.1 A plan showing:

- the location of the conveyor gallery and transfer houses to be dismantled.
- a detailed topography of the site and its surrounds together with ground level contours and sections of the slopes and ground supported by the building where appropriate.
- details of ground removal and/or backfilling; and
- the distances from the structure to be dismantled to its adjacent buildings, structures, and railway lines.

31.13.3.1.2 A layout plan of all floors of the conveyor gallery and transfer houses to be dismantled, with adequate sections, showing:

- the structural support systems.

- principal materials of construction.
 - the condition of the conveyor gallery and transfer houses e.g., the degree of deterioration; and
 - the relationship of the conveyor gallery and transfer houses to be dismantled with neighbouring properties affected by the dismantling, which include all adjoining buildings and, shared staircases, party walls, truncating continuous frames, slopes, retaining wall, overhead cables, and underground utility services.
- 31.13.3.1.3 A plan showing the structural arrangement and construction of all unconventional structural elements, such as prestressed concrete structures, precast concrete members, stressed skin structures, steel framed structures, hangers, hanging ties, trusses or Vierendeel girders, deep beams, long span beams (greater than 10m), arches, transfer plates, transfer girders, earth retaining or basement structures, buildings which also act as earth-retaining structures supporting adjacent ground, flat slabs, hollow block ribbed slabs and large cantilevered structures.
- 31.13.3.1.4 A plan showing the procedure for the dismantling of the conveyor gallery and transfer houses; detailed sequence of dismantling particular structural members; and the method of dismantling to be adopted including the restrictions on the use of any particular type of equipment.
- 31.13.3.1.5 In the case of powered mechanical plants, a plan showing the route of movement of powered mechanical plants and equipment including the method of lifting mechanical plant, where necessary, onto the top floors of the structure; any structural alterations required to suit the dismantling, e.g. temporary strengthening to suit early removal of any ground floor/or cockloft structure to facilitate vehicular movement at ground floor, or strengthening of deteriorated key structural members; and any shoring, temporary supports and/or floor propping required.
- 31.13.3.1.6 A plan showing all precautionary measures for the protection of walkways, platforms, scaffolding, protective screens, and safety nets.
- 31.13.3.1.7 A plan showing the proposed shoring and precautionary measures for all affected adjacent buildings, retaining structures and services at each stage of the dismantling works.
- 31.13.3.1.8 A plan showing the proposed shoring and temporary support to be provided to the conveyor gallery and transfer houses to be dismantled.
- 31.13.3.1.9 A plan on the proposed methods for handling and disposal of debris including:
- the permissible temporary accumulation of conveyor gallery and transfer house debris at upper floors and at ground floor.
 - method of handling dismantled conveyor gallery and transfer house debris.
 - the routing and movement of debris from each floor to a holding area prior to leaving the site.
 - means of transportation of debris off the dismantling site.

- time and frequency of debris disposal off dismantling site.
- record scheme on the tonnage of each truck load, truck licence plate, driver's name, trip tickets and location of waste disposal site.
- the site supervisory personnel responsible for the debris management system; and
- a temporary parking layout for mobile machines and trucks, if necessary.

31.13.3.2 *Stability report including calculations*

The Dismantling Plan must be accompanied by a Stability Report with supporting calculations. The Stability Report shall include the following parts:

- a report on the stability of the conveyor gallery and transfer houses to be dismantled during all stages of dismantling.
- when powered mechanical plants or equipment are used, a report on the stability of the conveyor gallery and transfer houses with supporting calculations to demonstrate that the use of the plants and equipment will not render inadequate the margin of safety of, or cause damage to any building, structure, roads, land and services.
- in the case when powered mechanical plants or equipment are used, structural calculations for all temporary supports and bracings.
- a report on the stability of neighbouring buildings, roads, land and services which may be affected by the dismantling work.
- in the case when temporary or permanent supports are required to these neighbouring buildings, structural calculations for these temporary and permanent supports; and
- a report with calculations demonstrating that the dismantling work will not render inadequate the margin of safety of, or cause damage to any building, structure, road, land and services.

31.13.4 Utilities

31.13.4.1 *Termination of utilities*

Prior to actual dismantling, the Service provider shall liaise with Transnet Project Manager so as:

- to keep records of available utilities leading into the premises; and
- to cause all utilities to be terminated.

31.13.4.2 *Common utilities*

The common utilities encountered in the conveyor gallery and transfer houses include the following:

- Electricity.
- Water.
- Telecommunication.
- Drainage.

31.13.5 Maintenance of certain utilities

Transnet will provide the Service provider a temporary water supply during the dismantling. The Service provider will be responsible for the following:

- Temporary electricity supply for lighting and other construction use.
- In the case when temporary electrical utilities are available, all such temporary utilities, including electrical fittings shall be IP65 rated.

31.13.6 Hazardous material

If hazardous materials, such as asbestos containing materials, petroleum contamination and radioactive contamination, exist in the building, further investigation and removal of such hazardous material or contamination by specialist shall be referenced.

31.13.7 Asbestos containing material

Specialists shall be employed to take samples and cause such samples to be tested for asbestos containing material. In the case when asbestos containing material are discovered, specialist service provider shall be employed to remove such asbestos containing material. The asbestos waste should be handled, stored and disposed of as chemical waste

31.13.8 Soil contamination material

In the case, where possible, soil contamination material is present, specialist shall be employed to prepare soil contamination test proposal and submit such proposal to the Transnet Project Manager. Upon agreement by the Transnet Project Manager, and completion of the tests, a Soil Contamination Assessment shall be submitted to the Transnet Project Manager for acceptance. In the case when remedial works are required, the remedial proposal shall be submitted to the Transnet Project Manager for approval prior to implementation of such remedial works.

31.13.9 Precautionary measures

31.13.9.1 General

Site safety features shall emphasise protection of the workers, particularly, the pedestrian and vehicular traffic and the adjacent buildings/structures. Proper safety features shall be designed by the Service provider's Registered Structural Engineer to make sure that the dismantling can be carried out safely and the site personnel is protected. The Service provider shall carry out the dismantling works including

precautionary measures in accordance with the approved plans and other related documents and provide continuous supervision to the works.

31.13.10 Scaffoldings and screen cover

31.13.10.1 Scaffoldings

31.13.10.1.1 Metal scaffolds shall be used for top-down dismantling. Metal scaffolds are considered acceptable provided that they are erected according to SANS 10085-1:2004 The design, erection use and inspection of access scaffolding, Part 1: Steel access scaffolding, as well as Construction Regulations 2014, CR16 (2) and Regulations under section 44 of the Act.

Table 2: Scaffolding standards

SANS 10085-1: Steel Access Scaffolding	The design, erection, use and inspection of access scaffolding
SANS 1396: Wooden Scaffold Boards	This standard specifies requirements for four types (see 4.1) of wooden scaffold board
SANS 657-1: Steel tubes for non-pressure purposes Part 1:	Sections for scaffolding, general engineering, and structural applications
BS 1139 Part 6: Metal Scaffolding	Applies to prefabricated tower scaffolds subject to wind loads up to and including 0.1 kN/m ² .

31.13.10.1.2 Scaffolding Construction and Work Platform Requirements shall be carried out by trained workmen under the immediate supervision of a competent person.

31.13.10.1.3 Supports for the scaffolds should be of adequate strength to hold the vertical and lateral loads imposed on the scaffolds including work platforms, etc. In case when elevated supports are required to receive the weights of the scaffolds, be they the steel brackets and anchors fixed to the existing building or other kinds of supporting system, they shall be designed by a Registered Structural Engineer. Where working platforms are required to facilitate working at height, they shall be properly constructed and provided on the three consecutive lifts directly below the floor being dismantled with toe boards provided at the outer edge. Periodic maintenance shall be performed to remove any debris accidentally falling out of the building and accumulated on the platforms.

31.13.10.2 Dismantling

Dismantling of the scaffolds shall coincide with the dismantling progress. When the wall ties are disconnected due to the dismantling of the conveyor gallery and transfer house's structure, the unsecured section of the scaffolds shall be removed accordingly. The unbraced sections shall not be higher than 2m from the nearest anchor.

31.13.11 Temporary Supports

31.13.11.1 General

31.13.11.1.1 Temporary supports to the structure or the elements of the structure being dismantled shall be provided for any or combination of the following conditions:

- when the whole or any part of the structure is subjected to excess loading derived from the dismantling activities, movement of powered mechanical plants or debris accumulation.
- when any part of the structure or any element being dismantled is not self-supporting; or
- when the temporary stability of the structure or its elements could be impaired as a result of the dismantling activities.

31.13.11.1.2 Temporary supports shall not be removed until its supporting loads are completely removed.

31.13.11.1.3 On the other hand, temporary supports shall be removed as much as possible and practicable after dismantling. In the case when temporary supports have to remain, the Service provider's, Registered Engineer shall be responsible for routine inspection and maintenance of such temporary works until they are completely removed.

31.13.11.2 Cantilevered structures

31.13.11.2.1 Temporary supports shall be required during the dismantling of cantilevered structures.

31.13.11.2.2 Anchorage or holding down of the cantilevered structure must not be removed prior to the dismantling of the cantilever itself unless the cantilever has been temporarily supported.

31.13.11.3 Materials and types

The temporary supports used for dismantling shall be built with structural steel and heavy timber considered to be appropriate for the purpose.

31.13.11.4 Pre-manufactured System

Pre-manufactured components such as tubular shores, telescope steel props, framed towers, etc., may be used as temporary supports provided their design capacity and their erection and maintenance requirements are followed in strict accordance with manufacturer's recommendations. Where the design capacity of a pre-manufactured component cannot be established by standard structural design and analysis, tests shall be performed to establish the design capacity.

31.13.11.5 Existing structure

Existing non-structural concrete or partition walls shall not be considered as part of the temporary support system unless it is shown by structural analysis that they are adequate for the purpose.

31.13.11.6 Used timber

Timber which has been damaged or has deteriorated due to repeated use, insect, decay or chemical attack shall not be used.

31.13.11.7 Used structural steel

31.13.11.7.1 Used structural steel shall not be employed unless pre-approved by the Registered Structural Engineer. Where used structural steel is employed, the actual dimensions of

the steel section shall be measured and its section properties shall be calculated on the basis of the least cross-sectional area including appropriate allowances for any existing bolt holes, etc. Where the material sources are not known, material properties shall be checked.

- 31.13.11.7.2 All used structural steel with excessive pre-existing bolt holes shall be repaired. Steelworks that have been repaired by welding may be used provided that the remedial work has been carried out according to the Code of Practice on Structural Use of Steel.

31.13.11.8 Loads

31.13.11.8.1 Gravity loads

The temporary support systems shall be designed to simultaneously withstand, all of the following loads:

- (1) dismantling loads such as the dismantling operatives, hand tools and small equipment.
- (2) debris accumulation and impact from fallen debris; and
- (3) heavy machinery used.

Subject to a detailed evaluation for special circumstances, in no case shall the construction loads due to item (1) be assumed to be less than 1.5 kPa.

Loading due to items (2) and (3) shall be established by the actual weight of the debris likely to be accumulated and the weight of machinery to be used. In the case where no working load is available, minimum impact factor of 1.25 shall be applied to the static weight of the machinery for the purpose of design for the temporary works to account for the vibration from moving equipment on a suspended floor.

31.13.11.8.2 Lateral loads

To ensure the lateral stability of the temporary supports, they shall be designed to withstand the greater lateral loads of either:

- The combination of any calculated or reasonably anticipated lateral forces which shall be applied to the temporary support due to adjacent slope/retaining wall or building, moving machinery or impact from disposing of dismantling debris and wind force, (The wind force shall be determined in accordance with the Code of Practice on Wind Effects in Richards Bay and may be excluded if the temporary support is not exposed to wind loading and its supported structure is provided with its own lateral stability system against wind loading); or
- A minimum of 3% of total vertical loads at the centre of gravity of these applied loads, or a minimum of 1.5 kN/m length of the supported structure, whichever is greater.

31.13.11.9 Design consideration for temporary support

- 31.13.11.9.1 All temporary support systems shall be supported on adequate foundations or floors. In the case when the immediate floor below the floor under dismantling is not adequate to carry the imposed loading from the dismantling activities, shoring shall be carried down to the lower floors until adequate support is achieved. Relative stiffness

of the supporting props to the supported members shall be considered in determining the proportion of loadings shared by each propped floor.

- 31.13.11.9.2 The lower floors may be allowed to carry the balance of the excess loading provided that their support capacities are not exceeded. The shores on the lower floors shall be aligned in the same position on each floor to provide continuous support without causing punching shear or reverse bending in the lower floors.
- 31.13.11.9.3 Attention shall be paid to avoid placing the temporary supports on foundations which may exhibit intolerable differential settlements; and
- 31.13.11.9.4 The load capacity of the floor slabs shall be checked to ensure that they can adequately resist the concentrated loads from the temporary supports. Distributing the loads through the use of sleepers and base plates may increase the capacity of the floor slab.

31.13.11.10 Structural analysis and design

The analysis and design of the support system and its components shall comply with **SANS 10162-1:2011 The Structural use of steel Part1: Limits States design of hot rolled steel work.**

31.13.12 Temporary propping system

Prefabricated propping system may be used to support the operation of the mechanical plant, or other loading during the dismantling process on a suspended floor.

31.13.12.1 Erection and dismantling

- 31.13.12.1.1 All temporary supports shall be erected strictly in accordance with the approved plans and/or in accordance with the manufacturer's recommendations which shall comply with SANS 10162 Limit States Design. All pre-manufactured systems and their accessories shall be examined for structural defects. Any damaged components and their accessories will not be accepted.
- 31.13.12.1.2 All vertical supports shall be erected and maintained plumb as much as possible. Other arrangements may be acceptable as long as the supporting structural members are not stressed beyond the acceptable limits.
- 31.13.12.1.3 All bracing shall be installed in accordance with the approved plans and the manufacturer's recommendations. Its connections to the main members shall be checked to ensure tight fit and adequacy; and
- 31.13.12.1.4 All temporary supports shall not be dismantled or modified until their use is no longer required. The design of the temporary supports shall ensure that they can be dismantled safely without imposing danger to the workers or the public.

31.13.13 Protection of traffic

31.13.13.1 Adjacent traffic

Any closure of roads and walkways may seriously impact the traffic/pedestrian circulation. Therefore, as far as practicable, the installation of the precautionary measures and the dismantling operation which causes any closure of traffic lanes shall be avoided. If unavoidable, prior permission/ arrangement of the Transnet Project

Manager shall be obtained. Temporary closure of a traffic lane may be considered for night work. Temporary closure of a traffic lane may also be considered for exceptional cases where there are no other practical alternatives to safely dismantle the structural elements.

31.13.13.2 Site access

Safety measures for construction access to and from the site shall be considered in a dismantling project. Proper headroom, sightline, segregation, loading/unloading location, illumination etc. shall be provided for the protection of vehicular and pedestrian traffic from the ingress and egress of construction vehicles.

31.13.14 Debris and waste handling

- 10.12.14.1. Debris waste and other materials shall not be thrown, tipped or shot down from a height where they are liable to cause injury to any person on or near the site.
- 10.12.14.2. Existing maintenance shaft, light well and openings on floor may be used to convey debris down the building floors. Areas adjacent to the openings of these features used as a chute shall be barricaded when they are not in use. Warning signs shall be posted to prevent workers from entering the area. As an option, plastic chutes may be used inside the floor openings and lift wells to minimise noise and confine the falling debris.

31.13.14.3 Exterior chutes

No dismantling materials shall be allowed to fall freely outside the conveyor galleries and transfer houses unless it is confined within a chute. If exterior chutes are used, adequate clear spaces shall be provided for their operation. Temporary refuse chutes assembled from old metal barrels shall not be used. The chutes shall not cause any obstruction to the workers. The chute shall be designed and constructed with adequate strength and support to allow safe conveyance of debris.

31.13.15 Debris recycling

- 31.13.15.1 The method of 'selective dismantling' should be adopted as far as practicable. It involves dismantling and removal of wastes of the same category one at a time. The goal is to facilitate recycling of wastes for beneficial reuse, thus minimizing the burden on municipal landfills and public filling areas.
- 31.13.15.2 The sequence of dismantling shall be planned to allow the separation and sorting of materials.
- 31.13.15.3 Concrete and/or brick debris shall be broken down into smaller sizes and separated from reinforced steel for disposal.
- 31.13.15.4 Concrete debris may be pulverised into aggregate size and used for road base, temporary haul roads, fill materials or aggregates for concrete. Old bricks may be salvaged for reuse as architectural features or other uses.

31.13.16 Debris accumulation

In general, the debris accumulation on the floors for the conveyor galleries and transfer houses is not allowed unless the debris accumulation is justified by engineering calculations. Excessive accumulation of debris may cause overloading condition and may

induce lateral loading shall be avoided. The propping design shall include the debris loading.

31.13.17 Debris disposal and management system

- 31.13.17.1 To avoid accumulation of debris and to make sure that they are disposed of promptly, the Service provider must ensure that a debris disposal and management system is prepared and implemented.
- 31.13.17.2 The debris disposal and management system should clearly lay down the following details:
- method of handling dismantling debris.
 - the routing and movement of debris from each floor to on grade holding area prior to leaving the site.
 - means of transportation of debris off the dismantling site.
 - time and frequency of debris disposal off the dismantling site.
 - record scheme on the tonnage of each truck load, truck licence plate, driver's name, trip tickets and location of waste disposal site; and
 - the site supervisory personnel responsible for the debris management system.

31.13.17.5 Debris loading

In the case when loaders and trucks have to work at ground floor level, the following conditions shall be considered:

- The route of loaders and trucks shall be checked to avoid conflict with temporary propping supports.
- The working headroom at ground floor shall be checked, any local strengthening to suit removal of floor beams shall be properly designed; and
- Loading of the debris shall conform to the Code of Practice for the Loading of Vehicles by the South African Department Transport.

32 Project execution

32.1 Strategy

31.1.1 The project has seven (7) distinct phases of execution, namely:

- i. Appraisal and Dismantling Plan of the Conveyor gallery, H&V and HBI transfer houses.
- ii. Structural Survey.
- iii. Investigation and Testing.
- iv. Stability Report including Calculations.
- v. Site Establishment.
- vi. Dismantling.
- vii. Cutting of steel.

viii. Debris and Waste removal and disposing.

Whilst the Service provider will be allowed to establish site, dismantling can only start when phases **(i)** to **(iv)** above have been completed and presented to Transnet Project Manager. It must be noted that the Service provider will only be allowed to undertake site establishment once the environmental and health and safety files have been approved. Only then, site access will be issued to the Service provider.

31.1.2 TPT's project team will fulfil the role of Project Manager and Supervisor. The full extent of the Project Management body of knowledge will be applied during all phases of execution, focussing on the following particular areas:

- Scope management
- Engineering management
- Quality management
- Time (schedule) management
- Cost management
- Risk management
- Human resource management
- Communication management.

31.1.3 Procurement and Contract management will be performed by the Service provider. All contract documentation for the dismantling contracts will be based on the **NEC3 Engineering and Construction Contract options A-F**. All contract documentation, including measurement and payment, management of progress, management of early warnings and variation orders will be controlled by the Service provider and supported by Transnet's enterprise management software (SAP).

31.2 Project definition and set-up phase:

The set-up activities required to be prepared for the delivery of the project as part of the Service provider's scope of services are as follows:

- 31.2.1 Develop baseline schedule for the entire project covering all project packages, which shall be configured around the program requirements indicated by latest proposal submitted by the Service provider at tender stage. This schedule will be further developed once all contracts are awarded and the schedules as prepared by the Service provider's sub-service providers are submitted.
- 31.2.2 Develop a baseline project cost model which shall include a Work Breakdown Structure (WBS) which shall be used to measure cost and schedule progress, based on cost estimation work completed to date by the Service provider.
- 31.2.3 Develop scope of works schedules including detailed battery limits, tie-ins, and interface requirements between the various contracts on the project.
- 31.2.4 Compile a Risk Management Plan in conjunction with the Transnet Risk Manager.
- 31.2.5 Development supplementary management plans to support the Project Execution Plan, namely:

- Health and Safety Management Plan
- Environmental Management Plan and obtain relevant permits and licenses where required
- Project Controls Management Plan
- Document Management Plan

31.3 Appraisal phase:

- 31.3.1 Following placement of the order for the dismantling of the Conveyor gallery, H&V and HBI transfer houses the Service provider's project management service focus must shift towards the Appraisal of the Conveyor gallery, H&V and HBI transfer houses, review the drawings supplied by Transnet and proceed to conduct a Structural Survey of the Conveyor gallery, H&V and HBI transfer houses.
- 31.3.2 Based on the outcomes of the Structural Survey, the Service provider will then compile Stability Calculations for all the structures that will require additional stability to ensure that the dismantling is done in a safe manner. The calculations will be presented in a report format, which will need to be issued to the Transnet Project Manager for acceptance.
- 31.3.3 The Transnet engineering team will then review the Service provider's report and calculations and check compliance with project specifications and standards.
- 31.3.4 Once the report and calculations have been reviewed, the Transnet Project Manager will then arrange for a pre-site establishment kick-off session with the Managed Service provider's design team. The following issues will be agreed with the design team:
- Safety considerations.
 - Traffic impact assessment.
 - Protection of adjacent structures.
 - Access over railway lines.
 - Mobile Mechanical equipment to be used during the dismantling.
 - Timing of manufacture and installation of additional supports if any.
 - Proposed tests and additional investigations.
 - Methods of dismantling.
 - Dismantling sequence.
 - Pre-dismantling precautions.
 - Cutting of steel laydown area
 - Debris recycling
 - Disposal of Debris and Waste
- 31.3.5 Agree on the timing of the following joint review sessions:
- Detail design review of additional supports.
 - Hazard risk identification session: prior to start of dismantling.
- 31.3.6 Agree on document register and deliverables to be submitted for review by TPT.
- Master Agreement

- 31.3.7 Identify key role players within Managed Service provider's organization as well as Transnet Port Terminals.
- 31.3.8 Develop site plans as necessary to document work areas, lay-down areas, battery limits, access pathways and operating restrictions during the dismantling periods.
- 31.3.9 Updating of the project master schedule to include all activities performed by all service providers involved on the project, and issue regular progress reports to stakeholders. Refer to the Project Controls management plan for further details.

31.4 Managed Service provider's procurement, and dismantling phases:

- 31.4.1 The key focus of the Service provider's project team during these phases is to actively manage the Managed Sub-Service provider's project progress and adherence to project schedule, cost, quality and HSE objectives.
- 31.4.2 Once the Service provider establishes on site in Richards Bay, the Service provider shall mobilize the Project Manager, Construction Manager, discipline Engineers, Quality Control supervisor, Site Administrator, Health and Safety manager, Environmental Manager and a Project Controls lead to site. The site-based team shall co-ordinate the site dismantling activities of the various site based sub-service providers to avoid delays to the project completion, and to eliminate possible interference with the Transnet Port Terminals Richards Bay operations.
- 31.4.3 Where deviations from requirements are detected in the activities performed by the Managed Service provider's sub-service providers, the Service provider's project team will issue appropriate directions for corrective actions to be taken and will apply prudent management practices to minimize detrimental impacts on project outcomes.
- 31.4.4 The Quality Assurance Management of off-site procurement, fabrication work (if any), and on-site dismantling activities must be described in the project Quality Management Plan to be submitted by the Service provider.

31.5 Hand-over and close-out phase:

The site-based Service provider's project team will manage and co-ordinate all activities that will be carried out by the respective dismantling sub-service providers. This will include:

- Reviewing all hand-over documentation.

31.6 Constraints

The execution of the project shall be subject to the following constraints, which shall be managed by the project team within the limitations placed upon them by these factors:

31.6.1 Existing operations:

No site activity performed by any of the Service provider's sub-service providers may restrict Transnet Port Terminals Richards Bay off-loading activities, unless it is a planned shutdown arranged through the proper procedures with the Transnet Port Terminals Richards Bay operational team.

31.6.2 Environmental:

The management of the site activities shall at all times consider the preservation of the environment, and all steps shall be taken to manage any environmental risk during construction.

31.7 Project management

- 31.7.1 The Service provider will provide with his submission a comprehensive organogram with all the responsible disciplines along with the Curriculum Vitae of all the disciplines which will be involved. Only disciplines with relevant experience (minimum 5 years) will be accepted.
- 31.7.2 The Service providers Project Manager will ultimately be responsible for the successful delivery of the project. He will manage the project team assigned to the project to execute the various disciplines successfully.
- 31.7.3 The Service provider will be responsible to manage pre-compiled procedures, guidelines, document templates, and work instructions to guide the project team through different stages of the project and perform work of a standard and uniform nature whenever required to act in response to a specific challenge.
- 31.7.4 The Service provider Project Manager will be the single responsible person and point of contact on behalf of the Service provider.

31.8 Service provider general requirements for health and safety

- 31.8.1 The Service provider shall comply with all applicable legislation, regulations issued in terms thereof and Transnet's safety rules which shall be entirely at the Service provider's cost, and which shall be deemed to have been allowed for in the rates and prices.
- 31.8.2 The Service provider shall comply with the requirements of Transnet Port Terminal HAS-SP-01 Project Site Specific Health and Safety Specification and Transnet Health & Safety Guidelines HAS-GL-0001. The service provider shall comply with the OHS Act and its regulations ensuring that Amended, CR2014 (Construction Regulations 2024) is being complied with, prior to construction and during construction. The Service provider is expected to conform with all Covid-19 applicable guidelines and protocols. The Service provider will be required to submit SHE COMPLIANCE FILE/as per the OHS Act of, 1993 (Act 85 of 1993) and its Construction Regulation 2014. Employer requirements, if any, will be made known on award of the contract.
- 31.8.3 The Service provider is solely responsible for the delivery of the services under the Contract having the highest regard for the health and safety of its employees, Transnet's employees, and persons at or in the vicinity of the Site, the Works, temporary work, materials, the property of third parties and any purpose relating to the Service provider carrying out its obligations under this Contract. The service provider must comply with Asbestos Abatement Regulations, 2020, as framed under the OH Act, 1993 (Act 85 of 1993) during preparations of the health and safety plan, Risk Assessment, including handling and removal of construction material.
- 31.8.4 The Service provider must initiate and maintain safety precautions and programs to conform to all applicable Health and Safety laws or other requirements, including requirements of any applicable government instrumentality and client corporate, business unit and site requirements.

- 31.8.5 The Service provider must comply and is responsible for ensuring that all of its Sub-Service provider s comply with the relevant legislation(s) and statutory regulations for health and safety, the Transnet Health and Safety requirements included in the Contract and other document pertaining to health & safety contained in the Programme Health & Safety Management System and include standards, policies, procedures, guidelines, and safe work instructions.
- 31.8.6 The Compensation for Occupational Injuries and Diseases Act, no.130 of 1993. The Service provider shall produce proof of his registration and good standing with the Compensation Commissioner in terms of the Act and submit with his tender.
- 31.8.7 The Occupational Health and Safety Act 85 of 1993, and its regulations must be complied with, taking into consideration CR2014 (Construction Regulations 2014) requirements from the design stage to construction until the project is completed all the requirements must reflect under Cost for health and Safety.
- 31.8.8 The Provisional Ordinances and Local Authority, by-laws and all relevant regulations framed there under.
- 31.8.9 The Service provider and his employees shall have valid safety inductions when accessing or working on site. Copies of which shall be submitted to the Employer's representative. This will be at a time and location Transnet will arrange. The Service provider must allow for this in his pricing.
- 31.8.10 All personnel working on site must have attended the Health and Safety induction course and be in possession of a permit to access the various sites.

31.9 Dismantling

31.9.1 Dismantling organization and responsibilities

- 31.9.1.1 The Service provider s dismantling management organisation must be structured to supervise the work of the Service provider 's sub-service provider s and to co-ordinate the various other contract dismantling activities to deliver the total project scope. The full extent of the dismantling organization will be documented in the Service provider 's Dismantling Management Plan, a document to be developed during the course of the early stages of the project once the Service provider has been appointed.
- 31.9.1.2 A Hazard risk identification session prior to the commencement of dismantling shall be conducted and facilitated by the Service provider risk manager. The objective of this session shall be to identify all risks associated with the dismantling on site, and to have a risk management plan in place to ensure that all risks are acknowledged and addressed.

31.9.2 Work package management

The Service provider 's Construction Manager will have staff designated to supervise construction activities, and supervisors will be appointed in terms of the **NEC3: Engineering and Construction Contract Option A**.

31.9.3 Site administration

Service provider 's supervisors will be co-ordinated by the Project Manager and for site management and related aspects report to the Service provider Site Manager.

31.9.4 Dismantling project procedures

- 31.9.4.1 The Managed Service provider will provide the majority of the dismantling procedures and documents applicable to the dismantling of the Plant and all its associated civil, mechanical, electrical, control & instrumentation, and fire-fighting infrastructure. The procedures and documents that will be provided to the TPT representative for review and approval shall include the following:
- 31.9.4.2 Dismantling method statements for the H galleries.
- 31.9.4.3 Dismantling method statements for the V galleries.
- 31.9.4.4 Dismantling method statements for the H&V transfer house.
- 31.9.4.5 Dismantling method statements for the Grindrod transfer house.
- 31.9.4.6 Dismantling method statements for the Foskor transfer house.
- 31.9.4.7 Precautionary measures during the dismantling.
- 31.9.4.8 Dismantling checklist.
- 31.9.4.9 Dismantling plan checklist.
- 31.9.4.10 Regulations relating to dismantling projects.
- 31.9.4.11 Notifications and procedures.
- 31.9.4.12 Example of dismantling plan and stability report for Top-down manual method.
- 31.9.4.13 Example of dismantling plan and stability report for Top-down method by machines.
- 31.9.4.14 Flow chart for current dismantling procedure.
- 31.9.4.15 Lift studies including associated method statement and risk assessments.
- 31.9.4.16 Site Safety file.
- 31.9.4.17 List of specialist resources required during the dismantling.
- 31.9.4.18 Dismantling company/s site organogram and applicable labour resource plans and procedures.
- 31.9.4.19 The Construction Manager will ensure that all sub-service provider 's employees as well as employees of the Service provider will comply with Transnet Site Specific HSEC procedures for the duration of the dismantling phases.

31.9.5 Dismantling plan

A dismantling plan will be compiled in close co-operation with the Service provider 's Project Manager, Engineering Manager, and appointed dismantling Sub-Service provider s responsible person. The dismantling plan will be reviewed by the Service provider Project

Manager in conjunction with Transnet Port Terminals Richards Bay Operations and Engineering.

31.9.6 Temporary facilities and services

The Transnet Project Manager will ensure that the designated laydown area is prepared and that all temporary services are available for the dismantling service provider. The Service provider shall however provide the detail requirements of the laydown area.

31.9.7 Security and access procedures

Security and access procedures will be in accordance with Transnet Port Terminals Security and Access procedures. The Service provider construction manager will ensure that it complies fully with Transnet Port Terminals requirements. It's expected that the Service provider will be responsible to manage the access to the dismantling site as well as the security of the dismantling site. Temporary access and security points will be introduced during the dismantling period in order to minimize interference to the existing Transnet Port Terminals operations.

31.9.8 Quality Assurance, inspection, and testing procedures

Quality Assurance, inspection and testing procedures will be in strict compliance with the specified standards, procedures, and specifications listed in this document. The Service provider's construction manager with assistance from the Service provider's discipline engineers and supervisors will sign-off important milestones in accordance with the contract specifications.

31.9.9 Environmental constraints and management

- 31.9.9.1 Due to this project falling under emergency projects, no environmental baseline and risk assessment reports were compiled and as such, it is not clear whether there are any listed activities that are being triggered by the re-construction of the collapsed H and V galleries. An independent EAP that will be appointed for FEL 3 environmental impact assessment or any relevant environmental studies (should a need arise) will have to comply with Regulation 22 of 2006, Section 24H of NEMA as amended. This EAP will also compile FEL3 environmental reports should a need arise.
- 31.9.9.2 In terms of construction, all work is to be conducted in accordance with the principles of the National Environmental Management Act (NEMA), 1998 (Act No. 107 of 1998) as amended but not limited to other applicable regulations as well as acceptable environmental good practices. In addition, the Service provider is expected to comply with all applicable Richards Bay Municipal by-laws. All aspects of the works must comply with the Transnet Standard environmental specification, waste management, spill control procedure, statutory requirements and regulations made by relevant authorities and the Service provider must ensure compliance of site activities.
- 31.9.9.3 The following documents included in the Annexures of the Works Information provide the minimum acceptable standards that shall be adhered to:
- Integrated Management System Management Procedure TRN-IMS-GRP-PROC-001
 - Transnet Integrated Management System (TIMS) Policy Commitment Statement
 - Integrated Management System Policy Commitment Statement Procedure TRN-IMS-GRP-PROC-002

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- Standard Operating Procedure for Construction Environmental Management KET Final
 - Transnet Asbestos Management Procedure
- 31.9.9.4 The Service provider must sign the Declaration of Understanding as a commitment to abide with Transnet Environmental Governance Framework and Project Environmental Specifications. Sufficient environmental budget must be allocated to meet all the project environmental requirements for the duration of the contract.
- 31.9.9.5 The Service provider shall perform the works and all dismantling activities within the Site and Working Areas having due regard to the environment and to environmental management practices as more particularly described within the CEMP and SES. The CEMP describes in detail the roles and responsibilities of the project team with respect to Environmental Management. In addition, it describes the main requirements that the Service provider must comply with during the dismantling phase to ensure that the environment is considered, negative impacts are avoided/minimised and positive impacts are encouraged.
- 31.9.9.6 The SES describes the minimal acceptable standards for environmental management for a range of environmental aspects commonly encountered on construction projects and sets environmental objectives and targets, to which the Service provider observes and complies.
- 31.9.9.7 The Service provider will be required to submit an environmental file post award of tender. Once approved, the Service provider will need to scan the entire file and send electronic copy to Transnet. Once the entire approved file has been scanned and sent to Transnet, new information will need to be scanned and sent to Transnet weekly until end of construction including rehabilitation phase. Particular requirements of the Employer will be made known on award of the contract. A Site access certificate shall not be granted until the environmental file has been approved by the Employer. A contents table for the Environmental file will be issued with the tender document for references and budget purposes.
- 31.9.9.8 Environmental Method Statements (minimum as per the Transnet CEMP and SES) need to be compiled by the Service provider throughout the dismantling phases of the project. These Method Statements must be approved by the TPT Construction Manager and TPT Environmental Specialist or Environmental Officer. Approval must at least be two weeks prior to the proposed commencement of the activity. Emergency dismantling activity method statement is also required. The activities requiring method statements cannot commence if they have not been approved by the TPT Environmental Specialist or Environmental Officer. The Employer's Agent has the right to request additional specific work method statements should in his opinion this be required.
- 31.9.9.9 The Service provider must appoint an Environmental Officer to monitor and manage compliance to Environmental Specification and all applicable environmental legislation. The Environmental Officer must as a minimum have an environmental management background coupled with an Environmental related certificate.
- 31.9.9.10 The Service provider shall be responsible for rehabilitating and cleaning all areas to the satisfaction of the Project Manager or Environmental Officer as detailed in the SES. Sufficient environmental budget must be allocated to achieve this including all environmental requirements for the project for the duration of the contract.
- 31.9.9.11 The Service provider must ensure that its Sub-service providers comply with the Environmental Specification. The Service provider shall appoint a responsible person to

ensure that no incident shall occur on site that could cause pollution. Where the Service provider was negligent and caused any form of pollution the damage shall be rectified at the Service provider's cost.

31.9.10 Management of sub-service providers

The management of sub-service providers employed by the Service provider to execute certain specialized sections of the scope of works shall be the responsibility of the Service provider.

32 Safety

32.1 All project personnel shall comply with the project's commitment to a safe workplace with the focus on ZERO HARM.

32.2 Transnet Port Terminals Richards Bay is the owner/client as referenced to in the **Occupational Health & Safety Act and Regulations, 85 of 1993** (OHS Act).

32.3 The Service provider's primary legal obligations are to:

- Comply with all relevant H&S legislation.
- Comply with all specific Transnet Port Terminals Richards Bay H&S policies.
- Comply with relevant industry standards and codes of practice contingent with the scope of works.
- Consider the lessons learned from past projects and apply these to the current project where applicable.

32.4 A full-time, site-based Health and Safety Officer will be mobilized to site once construction activities by the Service provider commence on site. The responsibilities of this H&S Officer shall be as follows:

- Ensure that all contract personnel complete the required site safety inductions.
- Ensure that all site-based staff have completed site entry medical examinations.
- Ensure compliance by all site-based service providers of OHS legislation, site Health and Safety regulations, safe work procedures, and H&S best practice processes.
- Perform regular H&S audits on site-based service providers.
- Ensure that H&S statistics are regularly submitted for reporting purposes to the Project Manager and Transnet Health and Safety Administrator
- Ensure that all sub-service providers submit Method Statements and Risk Assessments of all activities identified in the H&S Management Plans for review and approval prior to commencement of the activity to the Principal Service provider.
- Ensure that incident reporting, notifications, and investigations are done in accordance with Transnet Port Terminals agreed procedures.
- Conduct regular Health and Safety awareness campaigns amongst all contract personnel on site.
- Ensure that all legal appointments in terms of legislation are in place.

- Ensure that service providers have regular DSTI's toolbox talks, H&S review meetings, and safety talks.
- Attend HAZOP and Hazard risk identification sessions with sub-service providers when required.
- Ensure that injury management plans are in place at all work locations.
- Supervise regular testing on site for alcohol and illegal substances of all site-based staff.
- Ensure that all service providers maintain site records of H&S documentation.
- Ensure that all service providers are aligned with Transnet Port Terminals Richards Bay's emergency response plans and evacuation procedures.

33 Risk and opportunity management

- 33.1 The international standard by which risk management is based and therefore the approach adopted by the Service provider must be the International Organisation for Standardisation's specification for Risk Management (ISO 31000:2018).
- 33.2 The Service provider risk manager will compile a risk register and action plan that will apply to the project specific risks associated with the scope of work executed by the Service provider. This risk register will be incorporated in the overall project risk register by the Project Manager, who will be responsible for managing the risks associated with other activities executed by service providers not managed by the Service provider.
- 33.3 The strategy for management of the risks on this project shall be as follows:
- A Project Strategic Risks Assessment will take place during a day workshop for key project stakeholders, including Transnet Port Terminals Richards Bay representatives, during the initial weeks of the project start-up.
 - The process for management of contract and procurement risks is similar to that for design where an initial strategic risk assessment followed by specific risk assessments for each package contract will be conducted.

34 Project controls

34.1 Document management

- 34.1.1 The Service provider document controller is responsible for the registration, issue, distribution, filing and subsequent reporting of all project deliverables produced on the project relating to the scope of work executed by the Service provider that requires revision and version control.
- 34.1.2 The document controller's specific duties on the project shall be as follows:
- 34.1.3 Manage the distribution, review update, revision control, and final issuing for use of all Service providers internally produced deliverables including any deliverables that require distribution monitoring.
- 34.1.4 Collate, archive, and distribute reference documents.

- 34.1.5 Collate, archive, and distribute supplier/service provider's documentation (where relevant).
- 34.1.6 Receive design deliverables from the Service providers engineers distribute for review according to the document distribution matrix, collect review comments, and return to originator.
- 34.1.7 Collect, archive, and distribute technical and progress reports (weekly/monthly/annually, etc.).
- 34.1.8 Re-production and subsequent distribution of technical documents for use by site staff.
- 34.1.9 Collect, archive, and distribute to originator's (TPT) and any other third-party review comments.
- 34.1.10 Document Distribution to project members, both internally and externally, including TPT, Service providers sub-service providers and Service providers Consultants.
- 34.1.11 Any associated Document Control reporting actions throughout the duration of the project.

35 Project reporting

Project Status reporting will be done by the TPT Project Manager regularly with inputs from the Service provider to the following stakeholders and team members:

Table 3: Project Status reporting

To whom	Interval of report	Type of report
TPT Project Manager.	Monthly	Full project status report
TPT Project Manager	Weekly	Safety, Schedule Milestones, and main activities
Transnet Board.	Quarterly	Full project status – format to requirements.
Project team.	Monthly	Informal status feedback.

35.1 Cost reporting.

Cost reporting will be based on the project reporting calendar. The Project currency will be South African Rand.

35.1.1 Overall project progress.

Total project physical progress reporting by the Service provider will bring together the project elements of Engineering package progress, Procurement progress, Fabrication progress, dismantling progress as a single measure even though work of a differing nature and complexity is being undertaken by various functions and entities. A weighted approach based on cost will be followed to determine overall project progress.

35.2 Issue management

- 35.2.1 An "Issues Register" schedule will be maintained by the Service provider Project Manager and used to track the progress with resolving issues of importance which require resolution and actions to be taken. The sources of issues to be logged in this register can be any of the following:
- 35.2.2 Action items from progress meetings.
- 35.2.3 Instructions from the Project Manager raised in formal meetings or via other communication methods.
- 35.2.4 Issues noted during site inspections, surveillances of Service providers' activities, or documentation.
- 35.2.5 Health, Safety, or Environmental issues noted by any team member requiring further action.
- 35.2.6 Service provider resources will be allocated to each issue requiring further action and will be prioritized in accordance with the possible impact it may have on the project if not resolved by the deadline noted. The Issues Register will be revisited at each progress meeting and updated by the Service provider for distribution to TPT.

35.3 Project control processes

The following project controls processes will be used by the Service provider:

- 35.3.1 Dismantling progress measurement: Manage the dismantling process by breaking the effort down into work packages and deliverables. Progress percentages will be attributed to each deliverable to obtain an accurate measurement of overall progress and earned value performance.
- 35.3.2 Planning and Scheduling: Primavera P6 R8.3 software is a widely used tool for planning projects and programs, and portfolios and prescribed for use on this project.
- 35.3.3 Document Control: Bentley Project Wise is an integrated document management system that provides full lifecycle management for any type of electronic document, enabling full version and access control of project documents and deliverables. The web-based system also provides audit trails, workflows for automating document change request, review, and approval processes, and extensive indexing and search capabilities.

35.4 Progress measurement and performance

- 35.4.1 Progress will be tracked at task level on the various schedules. As activities are completed progress per activity will be accrued, which will roll up to summary level, and eventually to Work Package level.
- 35.4.2 The following sections deals with overall progress at a rolled-up level and also provides guidelines for measurement at a detailed level should the need arise.

35.5 Overall Project Progress

Total project physical progress will bring together the project elements of Engineering, Procurement, Fabrication, Dismantling, Construction and Commissioning as a single measure even though work of a differing nature and complexity is being undertaken by various functions and entities.

35.6 Procurement progress

- 35.6.1 All packages associated with direct works that contribute to the installation activities shall be used to determine progress.
- 35.6.2 Each package will be progressed through a series of milestones. The number of milestones and the actual percentage progress associated with each milestone is dependent upon the type of package as shown in Table 4 below.

Table 4: Progress gates for Procurement/Contracts

Package Type	Milestone	Cumulative % Complete
Procurement	Prequalification	5%
	Issued for Bid	20%
	Recommendation for Award	35%
	Package Awarded	40%
	All Vendor Final Data Received	45%
	First Delivery	65%
	Last Delivery	95%
	Commercial Close-out	100%
Contracts	Prequalification	5%
	Issued for Bid	35%
	Receive Bids	40%
	Recommendation for Award	55%
	Package Awarded	60%
	All Vendor Final Data Received	65%
	Physical Dismantling or Service scope Complete	90%
	Commercial Close-out	100%

- 35.6.3 For physical progress reporting the progress for each package shall be in accordance with the percentages in Table 4. The overall progress shall then be calculated by adding weighted progress for each package (% progress x package budget)

35.7 Reporting

35.7.1 Calendar

The project reporting calendar key dates include the information in Table 93 below.

Table 5: Reporting timetable

Event	Date
All month end contributions issued to TPT PM	Last working day of each month

Draft monthly report available for internal review	5 th working day of each month
Final monthly report issued to Transnet Port Terminals Richards Bay	7 th working day of each month
Period cut off	25 th day of every month
Invoice cut off	25 th day of every month
Weekly Report information issue to TPT PM	Issued by COB every Monday
Weekly reports	Issued to Transnet Port Terminals Richards Bay by COB every Tuesday

35.7.2 Monthly progress report

- 35.7.2.1 The Monthly Project Progress Report involves the collation of baseline data and distributing performance information to stakeholders. The report will be distributed by the Service provider Project Manager on a monthly basis and will require input with regard to cost, progress, issues, health and safety, quality, and risks from all Discipline Leads and Service providers sub-service providers. These inputs will be requested at regular intervals as agreed, but additional requests may be made on an ad-hoc basis.
- 35.7.2.2 A detailed monthly report will be published by COB Day 7th working day of each month and highlights (not limited to, sections only included when appropriate):
- Executive Summary
 - Project Management
 - Health and Safety Management
 - Project Controls
 - Cost.
 - Schedule.
 - Quality Management
 - Risk Management
 - Fabrication and Manufacturing
 - Construction
 - Permits and Approvals.
 - Commissioning.

35.7.3 Weekly report

A weekly report will be published by COB Tuesdays and highlight:

- Safety.
- Schedule – Milestone Reporting.
- Activities (this week and look ahead).

35.7.4 Formal health and safety reporting

TPT and the Service provider H&S officers will agree the deliverables and reporting that will take place as well as the formats thereof.

35.7.5 Project meetings

The following recurring meetings will be held on the project:

35.7.5.1 Project progress meetings

Project Progress Meetings are scheduled between the Project Teams of TPT. These meetings may involve the Service provider and/or other Consultants.

35.7.5.2 TPT internal monthly progress and review meetings

At these meetings the focus will be on obtaining and confirming information provided by the Service provider Project Manager for compilation of the Monthly Progress Report for the period including safety, progress, status of deliverables and detailed cost reports with s-curves, and project costs showing planned, earned, forecast and actual costs; cash flow indication for the next period. Review meetings will assess the status of the project and decide on any action that needs to be taken, if any.

35.7.5.3 Health and safety and environmental meetings

Once site has established various H&S meetings will take place on a weekly and monthly basis, including alignment meetings with TPT and the Service providers sub-service providers.

35.7.5.4 Formal dismantling review meetings

Formal reviews with the Service providers Project Team will be scheduled at milestones or critical project stages in line with the relevant procedures.

35.7.5.5 Service providers' sub-service provider's kick-off meetings

Service providers' sub-service provider's kick-off meeting will be carried out with prior to work commencing for all new Service providers. The kick-off meeting will:

- 35.7.5.5.1 Introduce TPT team members to the Service providers
- 35.7.5.5.2 Define lines of communication and levels of authority; and
- 35.7.5.5.3 Confirm the scope of the project, design basis, parameters and performance expectations.

35.7.6 Site Meeting with Service provider

Site meetings will be held between the Service provider and TPT in accordance with the Service provider's Dismantling Management Plan.

36 Project close-out

36.1 Project close-out review

- 36.1.1 The TPT Project Manager shall arrange the project close-out review in conjunction with the Service provider Project Manager prior to final completion. The objective of the project Close-Out Review is to achieve total project closure in a controlled and organised manner, following hand-over of the completed works. This will ensure that all accountabilities relating to the

project are either discharged or handed over to Transnet Port Terminals Richards Bay operations as appropriate.

- 36.1.2 The scope of the Close-Out Review will include the following activities:
- 36.1.3 Review the efficiency of the project in meeting the original time, cost, and resources targets as set during the planning phase.
- 36.1.4 Record and communicate any lessons which can be beneficial (to either or both Transnet Port Terminals Richards Bay and the TPT Project Management Team) for future projects.
- 36.1.5 Ensure that all project documentation (i.e., Deliverable-Documents and Reports, as appropriate) have been submitted and accepted, and that copies thereof have been properly archived.
- 36.1.6 Ensure that transfer of control from the Project Team to the Owner (i.e., operations) is carried out smoothly. In a nutshell, this activity concerns itself with two (2) items:
- 36.1.7 Extent to which the completed dismantled Plant is "fit-for-purpose", and
- 36.1.8 Readiness of the Owner to take control of the completed dismantled facility.
- 36.1.9 Ensure that the TPT Contracts Administrator along with the Service provider Project Manager has verified that that all claims are documented and resolved, that final payments have been made, and that all project accounts are reconciled and formally closed

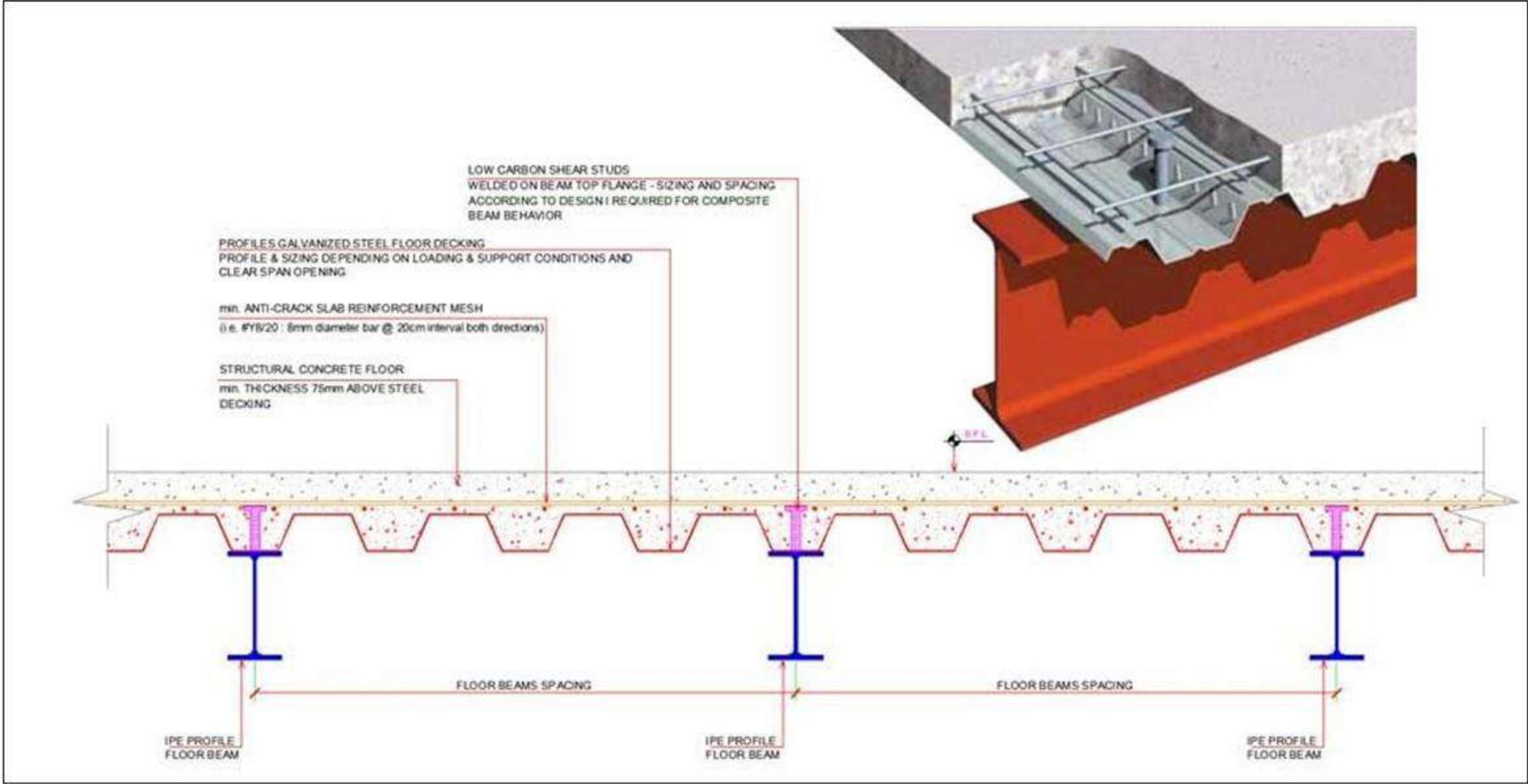
36.2 Project Close-Out Report

The Project Close-Out Report will be drafted in-line with Transnet requirements. The project Close-Out Report will include the following headings:

- 12.2.1. **Project business objectives**: The Project Objectives as per the Project Charter will be revisited and any subsequent approved changes that occurred during the project execution will be recorded within the Project Close-Out Report.
- 12.2.2. **Project closure statement**: The Project Management will in this section state to what extent the project was a "success" in terms of reaching all baselined "scope, time, resources, and quality" targets.
- 12.2.3. **Benefits measurement**: Benefits expected from the projects are to be measured against actual and listed as well as their measurement approach, methods, and techniques against clear accountability and timelines.
- 12.2.4. **Outstanding risks, issues and deliverables**: Any risks, issues, and deliverables that will be identified as outstanding at the time of project Close-Out shall be listed together with a definition of their nature, proposed resolution and accountability (i.e., person responsible and timelines).
- 12.2.5. **Project efficiency**: The Project Management Team will carry out a comparison exercise of actual cost, schedule, resources, and quality targets against base lined plan; the team is also expected to comment as to the possible reason(s) for every discrepancy, indicating any liability and impact to (future) operations.

- 12.2.6. **Lessons learned**: Referring to project efficiency and the Project Team's experience throughout the overall lifecycle (such as major issues encountered, changes in execution strategy, etc.), this section serves to record what could have been done better to:
- 12.2.7. **Identify** areas where time, money, or resources could have been better utilised.
- 12.2.8. Recommend courses of action for future projects to help eliminate any inefficiency found during at planning and/or execution of the project.
- 12.2.9. Identify what worked well and recommend methods (or adjustments thereof), processes, procedures, and tools which other projects may find of use in the future.

Appendix 1: Typical example of composite concrete slab





Appendix 2 CV H00 Coking Coal Export Conveyor Drawing register

DR+A3:F27AW ING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
2309_20_060	2	Third Import Route Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - General Arrangement Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - General Arrangement	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_061	2	Third Import Route Dry Bulk Terminal Conv. "H00" (1350 Wide) Moving Head - Details of Frame Dry Bulk Terminal Conv. "H00" (1350 Wide) Moving Head - Details Of Frame	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_062	0	Third Import Route Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head-Head Chute Arrangement (Sheet 1) Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head-Head Chute Arrangement (Sheet 1)	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_063	2	Third Import Route Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Drive Arrangement & Details Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Drive Arrangement & Details	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_064	2	Third Import Route Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Locking Device Arrangement & Details Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Locking Device Arrangement & Details	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_065	1	Third Import Route Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Head Chute Details (Sheet 2) Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Head Chute Details (Sheet 2)	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_066	0	Third Import Route Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Trailing Chute Cover Details Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Trailing Chute Cover Details	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_070	0	Third Import Route Conveyor H00 Transfer Chute Conv. H00 - Conv. G01 General Arrangement Conveyor H00 Transfer Chute Conv. H00 - Conv. G01 General Arrangement	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_071	1	Third Import Route Conveyor H00 Transfer Chute Conv. H00 To Conv. G02 Layout Conveyor H00 Transfer Chute Conv. H00 To Conv. G02 Layout	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_072	0	Third Import Route Conveyor - H00 Wash Down Chute Conveyor - H00 Wash Down Chute	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_080	1	Third Import Route Conveyor H00 (1350 Wide) Head End Arrangement (Sheet 1) Conveyor H00 (1350 Wide) Head End Arrangement (Sheet 1)	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_081	0	Third Import Route Conveyor H00 (1350 Wide) Head End Arrangement (Sheet 2) Conveyor H00 (1350 Wide) Head End Arrangement (Sheet 2)	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_082	0	Third Import Route Conveyor H00 (1350 Wide) Drive Frame Modifications Conveyor H00 (1350 Wide) Drive Frame Modifications	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_130	0	Third Import Route Dry Bulk Terminal Conveyor F01, F02 & H00 Cat Ladders Dry Bulk Terminal Conveyor F01, F02 & H00 Cat Ladders	F01 & F02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_130	1	3rd Import Route Dry Bulk Terminal Conveyor F1, F2 & H00 Cat Ladders. Dry Bulk Terminal Conveyor F1, F2 & H00 Cat Ladders.	F01 & F02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_060	3	3rd Import Route Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - General Arrangement. Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - General Arrangement.	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_061	3	3rd Import Route Dry Bulk Terminal Conv. "H00" (1350 Wide) Moving Head - Details of Frame Dry Bulk Terminal Conv. "H00" (1350 Wide) Moving Head - Details of Frame	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_062	1	3rd Import Route Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Head Chute Arrangement Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Head Chute Arrangement	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_063	3	3rd Import Route Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Drive Arrangement and Details. Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Drive Arrangement and Details.	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_064	3	3rd Import Route Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Locking Device Arrangement & Details. Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Locking Device Arrangement & Details.	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_065	2	3rd Import Route Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Head Chute Details. Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Head Chute Details.	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_066	1	3rd Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Moving Head - Trailing Chute Cover Details. Dry Bulk Terminal Conveyor H00 (1350 Wide) Moving Head - Trailing Chute Cover Details.	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_070	1	3rd Import Route Conveyor H00 Transfer Chute Conv. H00 - Conv. G01 General Arrangement. Conveyor H00 Transfer Chute Conv. H00 - Conv. G01 General Arrangement.	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_071	2	3rd Import Route Conveyor H00 Transfer Chute Conv. H00 To Conv. G02 Layout. Conveyor H00 Transfer Chute Conv. H00 To Conv. G02 Layout.	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers



DR+A3:F27AW ING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
2309_20_071	2	3rd Import Route Conveyor H00 Transfer Chute Conv. H00 To Conv. G02 Layout. Conveyor H00 Transfer Chute Conv. H00 To Conv. G02 Layout.	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_072	1	3rd Import Route Conveyor - H00 Wash Down Chute Conveyor - H00 Wash Down Chute	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_080	2	3rd Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Head End Arrangement Dry Bulk Terminal Conveyor H00 (1350 Wide) Head End Arrangement	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_081	1	3rd Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Head End Arrangement Dry Bulk Terminal Conveyor H00 (1350 Wide) Head End Arrangement	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_082	1	3rd Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Drive Frame Modifications. Dry Bulk Terminal Conveyor H00 (1350 Wide) Drive Frame Modifications.	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_060	2	Third Import Route Dry Bulk Terminal Conv H00 (1350 Wide) Moving Head- General Arrangement Third Import Route Dry Bulk Terminal Conv H00 (1350 Wide) Moving Head- General Arrangement	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309/20/061	2	Third Import Route Dry Bulk Terminal Conv"H00" (1350 Wide) Moving Head -Details of Frame Third Import Route Dry Bulk Terminal Conv"H00" (1350 Wide) Moving Head -Details Of Frame	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_062	0	Third Import Route Dry Bulk Terminal Conv H00(1350 Wide) Moving Head - Head Chute Arrangement (Sheet 1) Third Import Route Dry Bulk Terminal Conv H00(1350 Wide) Moving Head - Head Chute Arrangement (Sheet 1)	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309/20/063	2	Third Import Route Third Import Route Dry Bulk Terminal Conv. H00 (1350 Wide) Moving Head - Drive Arrangement & Details Third Import Route Dry Bulk Terminal Conv. H00(1350 Wide) Moving Head -Drive Arrangement & Details	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309/20/064	2	Third Import Route Third Import Route Dry Bulk Terminal Conv H00(1350 Wide) Moving Head - Locking Device Arrangement & Details Third Import Route Dry Bulk Terminal Conv H00 (1350 Wide) Moving Head - Locking Device Arrangement & Details	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_065		Third Import Route Third Import Route Dry Bulk Terminal Conv H00(1350 Wide) Moving Head - Head Chute Details (Sheet2) Third Import Route Dry Bulk Terminal Conv H00(1350 Wide) Moving Head - Head Chute Details (Sheet2)	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_066	0	Third Import Route Third Import Route Dry Bulk Terminal Conveyor H00(1350 Wide) Moving Head - Trailing Chute Cover Details Third Import Route Dry Bulk Terminal Conveyor H00(1350 Wide) Moving Head - Trailing Chute Cover Details	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K3209_20_070	0	3rd Import Route Conveyor H00 Transfer Chute Conv H00 - Conv C01 General Arrangement 3rd Import Route Conveyor H00 Transfer Chute Conv H00- Conv C01 General Arrangement	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309/20/071	1	Third Import Route 3rd Import Route Conveyor H00 Transfer Chute Conv. H00 To Conv. G02 Layout 3rd Import Route Conveyor H00 Transfer Chute Conv. H00 To Conv. G02 Layout	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_072	0	Third Import Route Conveyor - H00 Wash Down Chute 3rd Import Route Conveyor - H00 Wash Down Chute	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309/20/080	1	Third Import Rout Dry Bulk Terminal Conveyor H00 (1350 Wide) Head End Arrangement (Sheet 1) Third Import Rout Dry Bulk Terminal Conveyor H00 (1350 Wide) Head End Arrangement (Sheet 1)	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309/20/081	0	Third Import Route Third Import Rout Dry Bulk Terminal Conveyor H00 (1350 Wide) Head End Arrangement Sheet 2 Third Import Rout Dry Bulk Terminal Conveyor H00 (1350 Wide) Head End Arrangement Sheet 2	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309/20/082	0	Third Import Route Third Import Rout Dry Bulk Terminal Conveyor H00 (1350 Wide) Drive Frame Modifications Third Import Rout Dry Bulk Terminal Conveyor H00 (1350 Wide) Drive Frame Modifications	H,X Transfer	Mechanical	Knight Piesold Consulting Engineers
H00		H00h00 Conveyor Schematic Diagram H00 Conveyor Schematic Diagram	H00 Conveyor	Mechanical	Unknown
541_GEN_108		Portnet-Richards Bay. Coking Coal Storage Facility Conv's G1:F1: H00:H01: V01: V02 Details of H.D. Bolt Packs and Chemical Anchor Schedule Coking Coal Storage Facility Conv's G1: F1: H00: H01: V01: V02 Details of H.D. Bolt Packs and Chemical Anchor Schedule	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_GEN_114		Portnet-Richards Bay. Coking Coal Storage Facility Conveyors H00, H01, V01, V02 Flat Return Idlers Detail of Support Cleats Coking Coal Storage Facility Conveyors H00, H01, V01, V02 Flat Return Idlers Detail of Support Cleats	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_111		Coking Coal Storage Facility Conveyor No. H00 1350 Belt width. Arrgt. And Details of Drive Frame Guards Coking Coal Storage Facility Conveyor No. H00 1350 Belt width. Arrgt. And Details of Drive Frame Guards	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System



DR+A3:F27AW ING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
541_H00_112		Coking Coal Storage Facility Conveyor No. H00 1350 Belt width. Details Of Stringer and Access Walkway Coking Coal Storage Facility Conveyor No. H00 1350 Belt width. Details Of Stringer and Access Walkway	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_116		Coking Coal Storage Facility Conveyor No. H00 1350 Belt width. Details Of Headframe Support Structure Coking Coal Storage Facility Conveyor No. H00 1350 Belt width. Details Of Headframe Support Structure	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_117		Coking Coal Storage Facility Conveyor No. H00 1350 Belt width. Details Of Drive Frame Coking Coal Storage Facility Conveyor No. H00 1350 Belt width. Details Of Drive Frame	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_118		Coking Coal Storage Facility Conveyor No. H00 1350 Belt width. Arrangement And Details of Cross-Over Stairs at Conv. 'G1' Take-Up Coking Coal Storage Facility Conveyor No. H00 1350 Belt width. Arrangement And Details of Cross-Over Stairs at Conv. 'G1' Take-Up	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_119		Coking Coal Storage Facility Conveyor No. H00 1350 Belt width. Details Of Head-End Support Structure Access Ladder Coking Coal Storage Facility Conveyor No. H00 1350 Belt width. Details Of Head-End Support Structure Access Ladder	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_120		Coking Coal Storage Facility Conveyor No. H00 1350 Belt width. Arrgt. & Details Of Drive Support Frame Coking Coal Storage Facility Conveyor No. H00 1350 Belt width. Arrgt. & Details Of Drive Support Frame	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_100		Coking Coal Storage Facility Conveyor H00 - 1350 Wide - 2,3m/S. General Arrangement Coking Coal Storage Facility Conveyor H00 - 1350 WIDE - 2,3m/s. General Arrangement	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_101		Coking Coal Storage Facility Conveyor H00.Head Frame Arrgt. And Detail Coking Coal Storage Facility Conveyor H00.Head Frame Arrgt. And Detail	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_102		Coking Coal Storage Facility Conveyor H00. Drive And Head-End Support Structure Arrgt. And Details Coking Coal Storage Facility Conveyor H00. Drive And Head-End Support Structure Arrgt. And Details	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_103		Coking Coal Storage Facility Conveyor H00 1350 Wide. Details Of Vertical Gravity Take - Up Coking Coal Storage Facility Conveyor H00 1350 Wide. Details of Vertical Gravity Take - Up	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_104		Coking Coal Storage Facility Conveyor H00 1350 Wide. Details Of Horizontal and Incline Stringer Modules Coking Coal Storage Facility Conveyor H00 1350 Wide. Details Of Horizontal and Incline Stringer Modules	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_105		Coking Coal Storage Facility Conveyor H00 1350 Wide. Details Of Horizontal and Incline Stringer Modules Coking Coal Storage Facility Conveyor H00 1350 Wide. Details Of Horizontal and Incline Stringer Modules	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_106		Coking Coal Storage Facility Conveyor H00 1350 Wide. Details Of Horizontal and Incline Stringer Modules Coking Coal Storage Facility Conveyor H00 1350 Wide. Details Of Horizontal and Incline Stringer Modules	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_107		Coking Coal Storage Facility Conveyor H00 1350 Wide. Arrgt. And Details of Tail End Coking Coal Storage Facility Conveyor H00 1350 Wide. Arrgt. And Details of Tail End	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_108		Coking Coal Storage Facility Conveyor H00 1350 Wide. Details Of Head Chute Coking Coal Storage Facility Conveyor H00 1350 Wide. Details Of Head Chute	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_109		Coking Coal Storage Facility Conveyor H00 1350 Wide. Arrangement And Details of Feed Skirts Coking Coal Storage Facility Conveyor H00 1350 Wide. Arrangement And Details of Feed Skirts	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_110		Coking Coal Storage Facility Conveyor H00 1350 Wide. Arrangement And Details of Tail Frame Guards Coking Coal Storage Facility Conveyor H00 1350 Wide. Arrangement And Details of Tail Frame Guards	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_113		Coking Coal Storage Facility Conveyor H00 - 1350 Wide. Arrgt. And Details of Take -Up Bend Pulleys Support Frame and Guard Coking Coal Storage Facility Conveyor H00 - 1350 Wide. Arrgt. And Details of Take -Up Bend Pulleys Support Frame and Guard	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_114		Coking Coal Storage Facility Conveyor H00 1350 Wide. Arrangement Of H.D. Bolts Coking Coal Storage Facility Conveyor H00 1350 Wide. Arrangement Of H.D. Bolts	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_115		Coking Coal Storage Facility Conveyor H00 1350 Wide. Details Of Incline Stringer Modules Coking Coal Storage Facility Conveyor H00 1350 Wide. Details Of Incline Stringer Modules	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H00_121		Coking Coal Storage Facility Conveyor, No.H00 1350 Belt Width. Arrgt. And Details Grating Coking Coal Storage Facility Conveyor No.H00 1350 Belt Width. Arrgt. And Details Grating	H00 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System



DR+A3:F27AW ING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
541_H01_109		Coking Coal Storage Facility Conveyor H00 & H01 1350 Wide. G.A. And Details of Gravity Take-Up Guards Coking Coal Storage Facility Conveyor H00 & H01 1350 Wide. G.A. And Details of Gravity Take-Up Guards	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_121		Coking Coal Storage Facility Conveyor H00 & H01 - 1350 Wide. Civil Outline of Bases for Gravity Take-Ups Coking Coal Storage Facility Conveyor H00 & H01 - 1350 Wide. Civil Outline of Bases for Gravity Take-Ups	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
HED258_1037	D	Conveyor H00 Arrangement of Gallery from Transfer House Tojuntion Conveyor H00 Arrangement of Gallery from Transfer House Tojuntion	H00 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
HED403_1037		Coking Coal Storage Facility Richards Bay. Modifications to Existing Conveyor F1; Head & Tail Ends of H00 & H01 General Arrangement & Details Modifications to Existing Conveyor F1; Head & Tail Ends of H00 & H01 General Arrangement & Details	Coking Coal Storage	Mechanical	Bosch Projects (Pty) Ltd
1101_19_415		3rd Export Route-Dry Bulk Terminal-Port of Richards Bay. Sectional Elevation "B" On Wagon Loading - H00 To G1/ G02 Transfer Sectional Elevation "B" On Wagon Loading - H00 To G1/ G02 Transfer	Wagon Loading	Mechanical	Bosch Projects (Pty) Ltd
K2309_20_072	A	Portnet-Richards Bay Third Import Route. Conveyor - H00 Wash Down Chute Conveyor - H00 Wash Down Chute	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_065	B	Portnet-Richards Bay Third Import Route Dry Bulk Terminal. Conv. H00 (1350 Wide) Moving Head-Head Chute Details Conv. H00 (1350 Wide) Moving Head-Head Chute Details	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_066	B	Portnet-Richards Bay Third Import Route Dry Bulk Terminal. Conveyor H00 (1350 Wide) Moving Head-Trailing Chute Cover Details Conveyor H00 (1350 Wide) Moving Head-Trailing Chute Cover Details	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_060	B	Portnet-Richards Bay Third Import Route Dry Bulk Terminal. Conv.H00 (1350 Wide) Moving - General Arrangement Conv.H00 (1350 Wide) Moving - General Arrangement	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K3209_20_070	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal. Conv. H00 Transfer Chute Conv. H00 - Conv.G01 G.A. Conv. H00 Transfer Chute Conv. H00 - Conv.G01 G.A.	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_070		Portnet-Richards Bay 3rd Import Route Conveyor H00. Transfer Chute Conv. H00 - Conv. G01 G.A. Transfer Chute Conv. H00 - Conv. G01 G.A.	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_081	A	Portnet-Richards Bay Third Import Route. Conveyor H00 Steelwork Head End Arrangement Conveyor H00 Steelwork Head End Arrangement	H00 Conveyor	Mechanical	Knight Piesold Consulting Engineers
541_GEN_114	2	Portnet Richards Bay. Coking Coal Storage Facility Conveyors H00, H01, V01. V02 Flat Return Idlers Detail of Support Cleats Coking Coal Storage Facility Conveyors H00, H01, V01, V02 Flat Return Idlers Detail of Support Cleats	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_GEN_108	2	Portnet Richards Bay. Coking Coal Storage Facility Conveyors G1: F1: H00, H01, V01, V02 Details of HD Bolt Packs and Chemical Anchor Schedule Coking Coal Storage Facility Conveyors G1: F1: H00, H01, V01, V02 Details of HD Bolt Packs And Chemical Anchor Schedule	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
S_1081_2		Portnet Richards Bay Coking Coal Storage. Coking Coal Storage H00 Nd H01 Conveyors Dellige System Coking Coal Storage H00 Nd H01 Conveyors Dellige System	Coking Coal Storage	Mechanical	Country Contracts Cc
RB_730_07	C	Dry Buk Terminal 3rd And 4th Export Road and Services Road East Cross Sections Ch00m-Ch420m 3rd And 4th Export Road and Services Road East Cross Sections Ch00m-Ch420m	3rd And 4th Export Route	Mechanical	Protekon
541_H00_100		Portnet Richards Bay Coking Coal Storage Facility Conveyor H00 1350 Wide - 2.3m/S General Arrangement Coking Coal Storage Facility Conveyor H00 1350 Wide - 2.3m/S General Arrangement	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
K2309_20_061	B	Portnet Richards Bay Third Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Moving Head - Details of Frame Third Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Moving Head - Details of Frame	3rd Import Route	Mechanical	Knight Piesold Consulting Engineers
K2309_20_062	B	Portnet Richards Bay Third Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Moving Head -Head Chute Arrangement Third Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Moving Head -Head Chute Arrangement	3rd Import Route	Mechanical	Knight Piesold Consulting Engineers
K2309_20_063	A	Portnet Richards Bay Third Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Moving Head -Drive Arrangement and Details Third Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Moving Head -Drive Arrangement and Details	3rd Import Route	Mechanical	Knight Piesold Consulting Engineers
K2309_20_064	A	Portnet Richards Bay Third Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Moving Head -Locking Device Arrangement and Details Third Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Moving Head -Locking Device Arrangement and Details	3rd Import Route	Mechanical	Knight Piesold Consulting Engineers



DR+A3:F27AW ING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
K2309_20_065	B	Portnet Richards Bay Third Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Moving Head -Head Chute Details Third Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Moving Head - Head Chute Details	3rd Import Route	Mechanical	Knight Piesold Consulting Engineers
K2309_20_066	B	Portnet Richards Bay Third Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Moving Head -Trailing Chute Cover Details Third Import Route Dry Bulk Terminal Conveyor H00 (1350 Wide) Moving Head -Trailing Chute Cover Details	3rd Import Route	Mechanical	Knight Piesold Consulting Engineers
K3209_20_070	A	Portnet Richards Bay Third Import Route Conveyor H00 Transfer Chute Conv H00-Conv G01 General Arrangement Third Import Route Conveyor H00 Transfer Chute Conv H00-Conv G01 General Arrangement	3rd Import Route	Mechanical	Knight Piesold Consulting Engineers
K2309_20_071	A	Portnet Richards Bay 3rd Import Route Conveyor H00 Transfer Chute Conv H00 To Conv G02 Layout 3rd Import Route Conveyor H00 Transfer Chute Conv H00 To Conv G02 Layout	3rd Import Route	Mechanical	Knight Piesold Consulting Engineers
K2309_20_072	A	Portnet Richards Bay Third Import Route Conveyor H00 Wash Down Chute Third Import Route Conveyor H00 Wash Down Chute	3rd Import Route	Mechanical	Knight Piesold Consulting Engineers
2309_20_080	A	Portnet Richards Bay Third Import Route Conveyor H00 Steelwork Head End Arrangement Third Import Route Conveyor H00 Steelwork Head End Arrangement	3rd Import Route	Mechanical	Knight Piesold Consulting Engineers
2309_20_081	A	Portnet Richards Bay Third Import Route Conveyor H00 Steelwork Head End Arrangement Third Import Route Conveyor H00 Steelwork Head End Arrangement	3rd Import Route	Mechanical	Knight Piesold Consulting Engineers
2309_20_082	A	Portnet Richards Bay Third Import Route Conveyor H00 Steelwork Drive Frame Modifications Third Import Route Conveyor H00 Steelwork Drive Frame Modifications	3rd Import Route	Mechanical	Knight Piesold Consulting Engineers
2309_20_130	A	Portnet Richards Bay Third Import Route Dry Bulk Terminal Conveyor F1, F2 & H00 Cat Ladders Third Import Route Dry Bulk Terminal Conveyor F1, F2 & H00 Cat Ladders	3rd Import Route	Mechanical	Knight Piesold Consulting Engineers
HED 404_1037	1	Coking Coal Storage Facility General Arrangement and Details 1350 Wide Conveyor H00 Coking Coal Storage Facility General Arrangement and Details 1350 Wide Conveyor H00	Coking Coal Storage	Mechanical	Bosch Projects (Pty) Ltd
2006_HQ1688_H 00_001		Conveyor H00 Safety Guards Details. Richards Bay Port. Conveyor H00 Safety Guards Details.	H00 Conveyor		Hokmah
554P133E263010 2		Third Import Route Conveyor H02_H00_V01_V02_G02_X11 Third Import Route Conveyor H02_H00_V01_V02_G02_X11	3rd Import Route	Electrical	
554P33E2630102		Portnet Richards Bay Third Import Route Conveyor H02_H00_V01_G02_X11 Substation K Portnet Richards Bay Third Import Route Conveyor H02_H00_V01_G02_X11 Substation K	3rd Import Route	Electrical	
554P33E2630200		Portnet Richards Bay Third Route Conveyor H02_H00_V01_G02_X11 Substation K Portnet Richards Bay Third Route Conveyor H02_H00_V01_G02_X11 Substation K	3rd Import Route	Electrical	



Appendix 3 CV H01 Coking Coal Import Conveyor Drawing register

DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
2309_20_012	1	Third Import Route Conveyor F01 Transfer Chute Conv. F1 - To H01 Layout Conveyor F01 Transfer Chute Conv. F01 - To H01 Layout	F01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_170	1	Third Import Route Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head - General Arrangement Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head - General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_171	1	Third Import Route Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head - Details of Frame Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head - Details of Frame	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_172	0	Third Import Route Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head - Head Chute Arrangement (Sheet 1) Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head - Head Chute Arrangement (Sheet 1)	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_173	0	Third Import Route Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head - Drive Arrangement & Details Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head - Drive Arrangement & Details	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_174	0	Third Import Route Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head - Locking Device Arrangement & Details Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head - Locking Device Arrangement & Details	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_175	0	Third Import Route Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head – Head chute Deflector Plate Details Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head – Head chute Deflector Plate Details	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_176	1	Third Import Route Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head - Head Chute Details (Sheet 2) Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head - Head Chute Details (Sheet 2)	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_177	0	Third Import Route Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head - Trailing Chute Cover Details Dry Bulk Terminal Conveyor H01(1350 Wide) Moving Head - Trailing Chute Cover Details	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_180	3	Third Import Route Conveyor H01 To V01 Transfer Chute from H01 To V01 General Arrangement Conveyor H01 To V01 Transfer Chute from H01 To V01 General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_181	1	Third Import Route Conveyor H01 Transfer Chute H01 To Swing Chute General Arrangement Conveyor H01 Transfer Chute H01 To Swing Chute General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_182	3	Third Import Route Conveyor H01 Transfer Swing Chute to Wash General Arrangement Conveyor H01 Transfer Swing Chute to Wash General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_183	2	Third Import Route Conveyor H01 Swing Chute to Fermentech Bin General Arrangement Drawing Sheet 1 Conveyor H01 Swing Chute to Fermentech Bin General Arrangement Drawing Sheet 1	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_184	3	Third Import Route Conveyor H01 Transfer Chute H01 To H05 General Arrangement Conveyor H01 Transfer Chute H01 To H05 General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_185	2	Third Import Route Conveyor H01 Swivel Chute Arrangement General Arrangement Sheet 1 Conveyor H01 Swivel Chute Arrangement General Arrangement Sheet 1	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_186	1	Third Import Route Conveyor H01 Swing Chute to Fermentech Bin General Arrangement Drawing Sheet 2 Conveyor H01 Swing Chute to Fermentech Bin General Arrangement Drawing Sheet 2	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_187	3	Third Import Route Conveyor H01 Swivel Chute Arrangement General Arrangement Sheet 2 Conveyor H01 Swivel Chute Arrangement General Arrangement Sheet 2	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_190	2	Third Import Route Conveyor H01 (1350 Wide) G.A. Of Conveyor Conveyor H01 (1350 Wide) G.A. Of Conveyor	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_298	0	Third Import Route Conv. H01, H02, H05 General Arrangement of Chutes Conv. H01, H02, H05 General Arrangement of Chutes	H01, H02, H05 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_012	2	3rd Import Route Conveyor F1 Transfer Chute Conv. F1 To H01 Layout. Conveyor F1 Transfer Chute Conv. F1 To H01 Layout.	F01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_186	2	3rd Import Route Conveyor H01 Swing Chute to Fermentech Bin General Arrangement Drawing Conveyor H01 Swing Chute to Fermentech Bin General Arrangement Drawing	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_187	4	3rd Import Route Conveyor H01 Swivel Chute Arrangement General Arrangement (1350 Wide) Conveyor H01 Swivel Chute Arrangement General Arrangement (1350 Wide)	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_190	3	3rd Import Route Dry Bulk Terminal Conveyor H01 (1350 Wide) G.A. Of Conveyor Dry Bulk Terminal Conveyor H01 (1350 Wide) G.A. Of Conveyor	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_170	2	3rd Import Route Dry Bulk Terminal Conv. H01 (1350 Wide) Moving Head - General Arrangement Dry Bulk Terminal Conv. H01 (1350 Wide) Moving Head - General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers



DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
2309_20_171	2	3rd Import Route Dry Bulk Terminal Conv. "H01" (1350 Wide) Moving Head - Details of Frame. Dry Bulk Terminal Conv. "H01" (1350 Wide) Moving Head - Details of Frame.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_172	1	3rd Import Route Dry Bulk Terminal Conv. H01 (1350 Wide) Moving Head - Head Chute Arrangement Dry Bulk Terminal Conv. H01 (1350 Wide) Moving Head - Head Chute Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_173	1	3rd Import Route Dry Bulk Terminal Conv. "H01" (1350 Wide) Moving Head - Drive Arrangement & Details. Dry Bulk Terminal Conv. "H01" (1350 Wide) Moving Head - Drive Arrangement & Details.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_174	1	3rd Import Route Dry Bulk Terminal Conv. "H01" (1350 Wide) Moving Head - Locking Device Arrangement & Details. Dry Bulk Terminal Conv. "H01" (1350 Wide) Moving Head - Locking Device Arrangement & Details.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_175	1	3rd Import Route Dry Bulk Terminal Conv. H01 (1350 Wide) Moving Head – Head chute Deflector Plate Details. Dry Bulk Terminal Conv. H01 (1350 Wide) Moving Head – Head chute Deflector Plate Details.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_176	2	3rd Import Route Dry Bulk Terminal Conv. "H01" (1350 Wide) Moving Head - Head Chute Details Dry Bulk Terminal Conv. "H01" (1350 Wide) Moving Head - Head Chute Details	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_177	1	3rd Import Route Dry Bulk Terminal Conveyor "H01" (1350 Wide) Moving Head - Trailing Chute Cover Details. Dry Bulk Terminal Conveyor "H01" (1350 Wide) Moving Head - Trailing Chute Cover Details.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_180	4	3rd Import Route Conveyor H01 To V01 Transfer Chute from H01 To V01 General Arrangement. Conveyor H01 To V01 Transfer Chute from H01 To V01 General Arrangement.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_181	2	3rd Import Route Conveyor H01 Transfer Chute H01 To Swing Chute General Arrangement. Conveyor H01 Transfer Chute H01 To Swing Chute General Arrangement.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_182	4	3rd Import Route Conveyor H01 Transfer Swing Chute to Wash General Arrangement. Conveyor H01 Transfer Swing Chute to Wash General Arrangement.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_103	3	3rd Import Route Conveyor H01 Swing Chute to Fermentech Bin General Arrangement Drawing Conveyor H01 Swing Chute to Fermentech Bin General Arrangement Drawing	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_184	4	3rd Import Route Conveyor H01transfer Chute H01 To H05 General Arrangement. Conveyor H01transfer Chute H01 To H05 General Arrangement.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_185	3	3rd Import Route Conveyor H01 Swivel Chute Arrangement General Arrangement. Conveyor H01 Swivel Chute Arrangement General Arrangement.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_298	1	3rd Import Route Conv.H01, H02, H05 General Arrangement of Chutes Conv.H01, H02, H05 General Arrangement Of Chutes	H01, H02, H05 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_170	1	Third Import Route Dry Bulk Terminal Conv H01 (1350 Wide) Moving Head - General Arrangement Dry Bulk Terminal Conv H01 (1350 Wide) Moving Head - General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_171	1	Third Import Route Dry Bulk Terminal Conv H01 (1350 Wide) Moving Head -Details of Frame Dry Bulk Terminal Conv H01 (1350 Wide) Moving Head -Details of Frame	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_172	0	Third Import Route Dry Bulk Terminal Conv H01 (1350 Wide) Moving Head -Head Chute Arrangement (Sheet 1) Dry Bulk Terminal Conv H01 (1350 Wide) Moving Head -Head Chute Arrangement (Sheet 1)	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_173	0	Third Import Route Dry Bulk Terminal H01 (1350 Wide) Moving Head -Drive Arrangement & Details Dry Bulk Terminal H01 (1350 Wide) Moving Head -Drive Arrangement & Details	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_174	0	Third Import Route Dry Bulk Terminal Conv H01 (1350 Wide) Moving Head- Locking Device Arrangement &Details Dry Bulk Terminal Conv H01 (1350 Wide) Moving Head- Locking Device Arrangement &Details	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_175	0	Third Import Route Dry Bulk Terminal Conv H01 (1350 Wide) Moving Head -Head chute Deflector Plate Details Dry Bulk Terminal Conv H01 (1350 Wide) Moving Head -Head chute Deflector Plate Details	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_176	1	Third Import Route Dry Bulk Terminal Conv H01 (1350 Wide) Moving Head -Head Chute Details (Sheet2) Dry Bulk Terminal Conv H01 (1350 Wide) Moving Head -Head Chute Details (Sheet2)	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_177	0	Third Import Route Dry Bulk Terminal Conv H01 (1350 Wide) Moving Head -Trailing Chute Cover Details Dry Bulk Terminal Conv H01 (1350 Wide) Moving Head -Trailing Chute Cover Details	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_180	3	Third Import Route Conveyor H01 To V01 Transfer Chute from H01 To Vo1 General Arrangement Conveyor H01 To V01 Transfer Chute from H01 To Vo1 General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_181	1	Third Import Route Conveyor H01 To V01 Transfer Chute from H01 To Swing Chute General Arrangement Conveyor H01 To V01 Transfer Chute from H01 To Swing Chute General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers



DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
K2309_20_182	3	Third Import Route Conveyor H01 Transfer Swing Chute to Wash General Arrangement Conveyor H01 Transfer Swing Chute To Wash General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_298	0	Third Import Route Conv.H01, H02, H05 General Arrangement of Chutes Conv.H01, H02, H05 General Arrangement Of Chutes	H01, H02, H05 Conveyor	Mechanical	Knight Piesold Consulting Engineers
541_GEN_108		Portnet-Richards Bay. Coking Coal Storage Facility Conv's G1:F1: H00: H01: V01: V02 Details of H.D. Bolt Packs and Chemical Anchor Schedule Coking Coal Storage Facility Conv's G1: F1: H00: H01: V01: V02 Details of H.D. Bolt Packs and Chemical Anchor Schedule	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_GEN_114		Portnet-Richards Bay. Coking Coal Storage Facility Conveyors H00, H01, V01, V02 Flat Return Idlers Detail of Support Cleats Coking Coal Storage Facility Conveyors H00, H01, V01, V02 Flat Return Idlers Detail of Support Cleats	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_114		Coking Coal Storage Facility Conveyor No. H01 1350 Wide. Arrangement Of H.D. Bolts Coking Coal Storage Facility Conveyor No. H01 1350 Wide. Arrangement Of H.D. Bolts	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_123		Coking Coal Storage Facility Conveyor No. H01 - 1350 Wide. Details Of New Legs for Stringers Mk'D. St-27 & 28 Coking Coal Storage Facility Conveyor No. H01 - 1350 Wide. Details Of New Legs for Stringers Mk' D. St-27 & 28	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_100		Coking Coal Storage Facility Conveyor H01 1350 Wide (4,1 M/S). General Arrangement Coking Coal Storage Facility Conveyor H01 1350 Wide (4,1 M/S). General Arrangement	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_101		Coking Coal Storage Facility Conveyor H01 1350 Wide. Arrangement Of Conv Ho1 Moving Head and Drive Coking Coal Storage Facility Conveyor H01 1350 Wide. Arrangement Of Conv Ho1 Moving Head and Drive	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_102		Coking Coal Storage Facility Conveyor H01 1350 Wide. Details of Drive Frame Coking Coal Storage Facility Conveyor H01 1350 Wide. Details Of Drive Frame	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_103		Coking Coal Storage Facility Conveyor H01 1350 Wide. Details Of Vertical Gravity Take-Up Coking Coal Storage Facility Conveyor H01 1350 Wide. Details Of Vertical Gravity Take-Up	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_104		Coking Coal Storage Facility Conveyor H01- 1350 Wide. Details Of Horizontal and Incline Stringer Modules Mk.' D St-1,2,3, And 4 Coking Coal Storage Facility Conveyor H01- 1350 Wide. Details Of Horizontal and Incline Stringer Modules Mk.' D St-1,2,3, And 4	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_105		Coking Coal Storage Facility Conveyor H01 - 1350 Wide. Details Of Horizontal and Incline Stringer Modules Mk.'D St-5,6,7,8, And 9 Coking Coal Storage Facility Conveyor H01 - 1350 Wide. Details Of Horizontal and Incline Stringer Modules Mk.' D St-5,6,7,8, And 9	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_106		Coking Coal Storage Facility Conveyor H01 1350 Wide. Arrgt. And Details of Tail Frame Coking Coal Storage Facility Conveyor H01 1350 Wide. Arrgt. And Details of Tail Frame	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_107		Coking Coal Storage Facility Conveyor H01.Head Chute Arrgt. And Detail Coking Coal Storage Facility Conveyor H01.Head Chute Arrgt. And Detail	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_108		Coking Coal Storage Facility Conveyor H01 1350 Wide. Arrangement and Details of Feed Skirts Coking Coal Storage Facility Conveyor H01 1350 Wide. Arrangement and Details of Feed Skirts	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_109		Coking Coal Storage Facility Conveyor H00 & H01 1350 Wide. G.A. And Details of Gravity Take-Up Guards Coking Coal Storage Facility Conveyor H00 & H01 1350 Wide. G.A. And Details of Gravity Take-Up Guards	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_110		Coking Coal Storage Facility Conveyor H01 1350 Wide. G.A. And Details of Tail Frame Guards Coking Coal Storage Facility Conveyor H01 1350 Wide. G.A. And Details of Tail Frame Guards	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_111		Coking Coal Storage Facility Conveyor H01 - 1350 Wide. Details of Incline Stringer Modules Mk'D. St-10,11,12 And 13 Coking Coal Storage Facility Conveyor H01 - 1350 Wide. Details Of Incline Stringer Modules Mk'D. St-10,11,12 And 13	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_112		Coking Coal Storage Facility Conveyor H01. Arrgt. And Details of Rails for Moving Head Coking Coal Storage Facility Conveyor H01. Arrgt. And Details of Rails for Moving Head	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_113		Coking Coal Storage Facility Conveyor H01 1350 Wide. Details Of Drive Frame Guards Coking Coal Storage Facility Conveyor H01 1350 Wide. Details Of Drive Frame Guards	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_115		Coking Coal Storage Facility Conveyor H01- 1350 Wide. Details Of Incline Stringer Modules Mk'D. St-14,15,16 And 17 Coking Coal Storage Facility Conveyor H01- 1350 Wide. Details of Incline Stringer Modules Mk'D. St-14,15,16 And 17	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System



DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
541_H01_116		Coking Coal Storage Facility Conveyor H01 - 1350 Wide. Details Of Incline Stringer Modules Mk'D. St-18,19,20 And 21 Coking Coal Storage Facility Conveyor H01 - 1350 Wide. Details Of Incline Stringer Modules Mk'D. St-18,19,20 And 21	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_120		Coking Coal Storage Facility Conveyor H01. Head Pulley Carriage Arrgt and Detail Coking Coal Storage Facility Conveyor H01. Head Pulley Carriage Arrgt and Detail	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_121		Coking Coal Storage Facility Conveyor H00 & H01 - 1350 Wide. Civil Outline of Bases for Gravity Take-Ups Coking Coal Storage Facility Conveyor H00 & H01 - 1350 Wide. Civil Outline of Bases for Gravity Take-Ups	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_122		Coking Coal Storage Facility Conveyor H01 1350 Wide. Details Of Stringer / Actuator Frame Coking Coal Storage Facility Conveyor H01 1350 Wide. Details Of Stringer / Actuator Frame	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_119		Cocking Coal Storage Facility Conveyor H01-1350 Wide Arrgt. & Details Of Take Up Bend Pulley Support Frame & Guards Cocking Coal Storage Facility Conveyor H01-1350 Wide Arrgt. & Details Of Take Up Bend Pulley Support Frame & Guards	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_118		Cocking Coal Storage Facility Conveyor H01-1350 Wide Arrgt. & Details Of Incline Stringer Modules Cocking Coal Storage Facility Conveyor H01-1350 Wide Arrgt. & Details Of Incline Stringer Modules	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_H01_117		Cocking Coal Storage Facility Conveyor H01-1350 Wide Arrgt. & Details Of Incline Stringer Modules Mk'd St -22,23,24 &25 Cocking Coal Storage Facility Conveyor H01-1350 Wide Arrgt. & Details Of Incline Stringer Modules	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
514_H01_102		Portnet- Richards Bay. Coking Coal Storage Facility Conveyor H01 1350 Wide Details of Drive Frame Coking Coal Storage Facility Conveyor H01 1350 Wide Details of Drive Frame	H01 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
HED403_1037		Coking Coal Storage Facility Richards Bay. Modifications To Existing Conveyor F1; Head & Tail Ends of H00 & H01 General Arrangement & Details Modifications To Existing Conveyor F1; Head & Tail Ends Of H00 & H01 General Arrangement & Details	Coking Coal Storage	Mechanical	Bosch Projects (Pty) Ltd
K2309_20_012	A	Portnet-Richards Bay 3rd Import Route Conveyor F1. Transfer Chute Conv. F1 To H01 Layout Transfer Chute Conv. F1 To H01 Layout	F01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_170	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal. Dry Bulk Terminal Conveyor - H01 (1350 Wide) Moving Head - General Arrangement Dry Bulk Terminal Conveyor - H01 (1350 Wide) Moving Head - General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_171	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal. Dry Bulk Terminal Conveyor - "H01" (1350 Wide) Moving Head - Details of Frame Dry Bulk Terminal Conveyor - "H01" (1350 Wide) Moving Head - Details Of Frame	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_172	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal Conveyor - H01 (1350 Wide) Moving Head - Head Chute Arrangement Dry Bulk Terminal Conveyor - H01 (1350 Wide) Moving Head - Head Chute Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_173	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal Conveyor - "H01" (1350 Wide) Moving Head - Drive Arrangement & Details Dry Bulk Terminal Conveyor - "H01" (1350 Wide) Moving Head - Drive Arrangement & Details	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_174	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal Conveyor - "H01" (1350 Wide) Moving Head - Locking Device Arrangement & Details Dry Bulk Terminal Conveyor - "H01" (1350 Wide) Moving Head - Locking Device Arrangement & Details	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_175	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal Conveyor H01 (1350 Wide) Moving Head – Head chute Deflector Plate Details Dry Bulk Terminal Conveyor H01 (1350 Wide) Moving Head – Head chute Deflector Plate Details	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_176	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal Conveyor "H01" (1350 Wide) Moving Head - Head Chute Details Dry Bulk Terminal Conveyor "H01" (1350 Wide) Moving Head - Head Chute Details	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_177	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal Conveyor "H01" (1350 Wide) Moving Head - Trailing Chute Cover Details Dry Bulk Terminal Conveyor "H01" (1350 Wide) Moving Head - Trailing Chute Cover Details	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_187	A	Portnet-Richards Bay Third Import Route Conveyor. H01 Swivel Chute Arrangement G.A. General Arrangement Conveyor. H01 Swivel Chute Arrangement G.A. General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_186	A	Portnet-Richards Bay Third Import Route Conveyor H01 Swing Chute to Fermentech Bin General Arrangement Drawing. Conveyor H01 Swing Chute to Fermentech Bin G.A.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers



DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
K2309_20_185	A	Portnet-Richards Bay Third Import Route Conveyor H01 Swivel Chute Arrangement General Arrangement.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_184	A	Portnet-Richards Bay Third Import Route Conveyor H01 Transfer Chute H01 To H05 General Arrangement Conveyor H01 Transfer Chute H01 To H05 General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_201_83	A	Portnet-Richards Bay Third Import Route Conveyor H01 Swing Chute to Fermentech Bin General Arrangement Conveyor H01 Swing Chute to Fermentech Bin General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_201_182	A	Portnet-Richards Bay Third Import Route Conveyor H01 Transfer Swing Chute to Wash General Arrangement Conveyor H01 Transfer Swing Chute to Wash General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_181	A	Portnet-Richards Bay Third Import Route Conveyor H01 Transfer Chute H01 To Swing Wash Chute General Arrangement Conveyor H01 Transfer Chute H01 To Swing Wash Chute General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_180	A	Third Import Route Conveyor H1. Conveyor H01 To V01 Transfer Chute from H01 To V01 General Arrangement. Conveyor H1. Conveyor H01 To V01 Transfer Chute from H01 To V01 General Arrangement.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_150	A	Portnet-Richards Bay Third Import Route Conveyor H01 Transfer Chute H01 To Fermentech General Arrangement Conveyor H01 Transfer Chute H01 To Fermentech General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_183		Portnet-Richards Bay Third Import Route Conveyor H01. Swing Chute to Fermentech Bin General Arrangement Swing Chute to Fermentech Bin General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
541_F1_104	2	Portnet-Richards Bay. Coking Coal Storage Facility Conveyor F1 350 Wide Arrangement and Details of Conv H01 Feed Chute Coking Coal Storage Facility Conveyor F1 350 Wide Arrangement and Details of Conv H01 Feed Chute	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_GEN_114	2	Portnet Richards Bay. Coking Coal Storage Facility Conveyors H00, H01, V01, V02 Flat Return Idlers Detail of Support Cleats Coking Coal Storage Facility Conveyors H00, H01, V01, V02 Flat Return Idlers Detail of Support Cleats	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_GEN_108	2	Portnet Richards Bay. Coking Coal Storage Facility Conveyors G1: F1: H00, H01, V01, V02 Details of HD Bolt Packs and Chemical Anchor Schedule Coking Coal Storage Facility Conveyors G1: F1: H00, H01, V01, V02 Details Of HD Bolt Packs And Chemical Anchor Schedule	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
S_1081_2		Portnet Richards Bay Coking Coal Storage. Coking Coal Storage H00 Nd H01 Conveyors Deluge System Coking Coal Storage H00 Nd H01 Conveyors Deluge System	Coking Coal Storage	Mechanical	Country Contracts Cc
541_H01_100		Portnet Richards Bay Coking Coal Storage Facility Conveyor H01 1350 Wide (4.1m/S) General Arrangement Coking Coal Storage Facility Conveyor H01 1350 Wide (4.1m/S) General Arrangement	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
HED 405_1037		Coking Coal Storage Facility General Arrangement and Details 1350 Wide Conveyor H01 Coking Coal Storage Facility General Arrangement and Details 1350 Wide Conveyor H01	Coking Coal Storage	Mechanical	Bosch Projects (Pty) Ltd
2309/20/190	3	Dry Bulk Terminal Conveyor H01 G.A Of Conveyor Dry Bulk Terminal Conveyor H01 G A Of Conveyor	H01 Conveyor		Knight Piesold Consulting Engineers
554P133E241010_1_A1		Portnet Richards Bay Third Import Route Conveyor H01 Substation K Cable Block Diagram Portnet Richards Bay Third Import Route Conveyor H01 Substation K Cable Block Diagram	3rd Import Route	Electrical	Knight Piesold Consulting
554P133E241010_1_A1_1		Portnet Richards Bay Third Import Route Conveyor H01 Substation K Cable Block Diagram Portnet Richards Bay Third Import Route Conveyor H01 Substation K Cable Block Diagram	3rd Import Route	Electrical	Knight Piesold Consulting



Appendix 4 CV H02 Sulphur Import Conveyor Drawing register

DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
2309_20_040	0	Third Import Route Conveyor F02 F02 - H02 Chute Layout Conveyor F02 F02 - H02 Chute Layout	F02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_120	1	Third Import Route Conveyor H02 Alteration to Existing Skirt Plates Layout Conveyor H02 Alteration to Existing Skirt Plates Layout	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_140	1	Third Import Route Dry Bulk Terminal Conveyor "H02" (1350 Wide) Moving Head - Arrangement & Details Dry Bulk Terminal Conveyor "H02" (1350 Wide) Moving Head - Arrangement & Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_141	1	Third Import Route Conveyor "H02" (1350 Wide) Moving Head - Details of Frame Conveyor "H02" (1350 Wide) Moving Head - Details of Frame	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_142	0	Third Import Route Conveyor "H02" (1350 Wide) Moving Head - Head Chute Arrangement (Sheet 1) Conveyor "H02" (1350 Wide) Moving Head - Head Chute Arrangement (Sheet 1)	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_143	0	Third Import Route Dry Bulk Terminal Conveyor "H02" (1350 Wide) Moving Head - Drive Arrangement & Details Dry Bulk Terminal Conveyor "H02" (1350 Wide) Moving Head - Drive Arrangement & Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_144	0	Third Import Route Dry Bulk Terminal Conveyor "H02" (1350 Wide) Moving Head - Locking Device Arrangement & Details Dry Bulk Terminal Conveyor "H02" (1350 Wide) Moving Head - Locking Device Arrangement & Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_145		Third Import Route Dry Bulk Terminal Conveyor "H02" (1350 Wide) Moving Head - Head Chute Details (Sheet 2) Dry Bulk Terminal Conveyor "H02" (1350 Wide) Moving Head - Head Chute Details (Sheet 2)	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_146	0	Third Import Route Dry Bulk Terminal Conveyor "H02" (1350 Wide) Moving Head - Trailing Chute Cover Details Dry Bulk Terminal Conveyor "H02" (1350 Wide) Moving Head - Trailing Chute Cover Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_147	0	Third Import Route Conveyor "H02" (1350 Wide) Moving Head – Head chute Deflector Plate Details Conveyor "H02" (1350 Wide) Moving Head – Head chute Deflector Plate Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_150	3	Third Import Route Conveyor H02 Transfer Chute H02 To Fermentech General Arrangement Conveyor H02 Transfer Chute H02 To Fermentech General Arrangement	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_151	2	Third Import Route Conveyor H02 Transfer Chute H02 To H05 General Arrangement Conveyor H02 Transfer Chute H02 To H05 General Arrangement	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_152	0	Third Import Route Dry Bulk Terminal Conveyor H02 Skirtboard at U3 Intersection - Layout & Details Dry Bulk Terminal Conveyor H02 Skirtboard at U3 Intersection - Layout & Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_153	1	Third Import Route Dry Bulk Terminal Conveyor "H02" Actuator Mechanism Assembly Dry Bulk Terminal Conveyor "H02" Actuator Mechanism Assembly	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_154	1	Third Import Route Dry Bulk Terminal Conveyor "H02" Details for Actuator Mechanism Dry Bulk Terminal Conveyor "H02" Details for Actuator Mechanism	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_162	1	Third Import Route Dry Bulk Terminal Conveyor H02 (1350 Wide) Arrangement and Details of Rails and Guards Dry Bulk Terminal Conveyor H02 (1350 Wide) Arrangement and Details of Rails and Guards	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_166	0	Third Import Route Dry Bulk Terminal Conveyor H02 Section Details of Walkway and Stringers Dry Bulk Terminal Conveyor H02 Section Details of Walkway and Stringers	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_298	0	Third Import Route Conv. H01, H02, H05 General Arrangement of Chutes Conv. H01, H02, H05 General Arrangement of Chutes	H01, H02, H05 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_040	1	3rd Import Route Conveyor F2 F2 - H02 Chute Layout Conveyor F2 F2 - H02 Chute Layout	F02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_120	2	3rd Import Route Conveyor H02 Alteration to Existing Skirt Plates Layout. Conveyor H02 Alteration to Existing Skirt Plates Layout.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_140	2	3rd Import Route Dry Bulk Terminal Conveyor "H02" Moving Head Arrangement & Details. Dry Bulk Terminal Conveyor "H02" Moving Head Arrangement & Details.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_141	2	3rd Import Route Dry Bulk Terminal Conv. "H02" (1350 Wide) Moving Head - Details of Frame. Dry Bulk Terminal Conv. "H02" (1350 Wide) Moving Head - Details of Frame.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_142	1	3rd Import Route Dry Bulk Terminal Conveyor "H02" Moving Head Chute Arrangement Dry Bulk Terminal Conveyor "H02" Moving Head Chute Arrangement	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_143	1	3rd Import Route Dry Bulk Terminal Conv. "H02" (1350 Wide) Moving Head - Drive Arrangement & Details. Dry Bulk Terminal Conv. "H02" (1350 Wide) Moving Head - Drive Arrangement & Details.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_144	1	3rd Import Route Dry Bulk Terminal Conv. "H02" (1350 Wide) Moving Head - Locking Device Arrangement & Details. Dry Bulk Terminal Conv. "H02" (1350 Wide) Moving Head - Locking Device Arrangement & Details.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_145	2	3rd Import Route Dry Bulk Terminal Conv. H02 (1350 Wide) Moving Head - Head Chute Details. Dry Bulk Terminal Conv. H02 (1350 Wide) Moving Head - Head Chute Details.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers



DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
2309_20_146	1	3rd Import Route C Dry Bulk Terminal Conveyor H02 (1350 Wide) Moving Head - Trailing H02 (1350 Wide) Moving Head - Trailing Chute Cover Details. C dry Bulk Terminal Conveyor H02 (1350 Wide) Moving Head - Trailing H02 (1350 Wide) Moving Head - Trailing Chute Cover Details.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_147	1	3rd Import Route Dry Bulk Terminal Conveyor "H02" (1350 Wide) Moving Head – Head chute Deflector Plate Details. Dry Bulk Terminal Conveyor "H02" (1350 Wide) Moving Head – Head chute Deflector Plate Details.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_150	4	3rd Import Route Conveyor H02 Transfer Chute H02 To Fermentech General Arrangement. Conveyor H02 Transfer Chute H02 To Fermentech General Arrangement.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_151	3	3rd Import Route Conveyor Transfer Chute H02 To H05 General Arrangement. Conveyor Transfer Chute H02 To H05 General Arrangement.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_152	1	3rd Import Route Dry Bulk Terminal Conveyor H02 Skirtboard at U3 Intersection - Layout & Details. Dry Bulk Terminal Conveyor H02 Skirtboard at U3 Intersection - Layout & Details.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_053	2	3rd Import Route Dry Bulk Terminal Conveyor "H02" Actuator Mechanism Assembly. Dry Bulk Terminal Conveyor "H02" Actuator Mechanism Assembly.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_154	2	3rd Import Route Dry Bulk Terminal Conveyor "H02" Details for Actuator Mechanism. Dry Bulk Terminal Conveyor "H02" Details for Actuator Mechanism.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_160	3	3rd Import Route Dry Bulk Terminal Conveyor H02 General Arrangement of Conveyor. Dry Bulk Terminal Conveyor H02 General Arrangement Of Conveyor.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_162	2	3rd Import Route Dry Bulk Terminal Conveyor H02 (1350 Wide) Arrangement and Details of Rails and Guards. Dry Bulk Terminal Conveyor H02 (1350 Wide) Arrangement and Details of Rails and Guards.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_163	2	3rd Import Route Dry Bulk Terminal Conveyor H02 (1350 Wide) Arrangement and Details of Take Up Trolley. Dry Bulk Terminal Conveyor H02 (1350 Wide) Arrangement and Details of Take Up Trolley.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_164	1	3rd Import Route Dry Bulk Terminal Conveyor H02 (1350 Wide) Take-Up Tower and Counterweight. Dry Bulk Terminal Conveyor H02 (1350 Wide) Take-Up Tower and Counterweight.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_165	2	3rd Import Route Dry Bulk Terminal Conveyor H02 Arrangement and Details of Walkway and Stringers. Dry Bulk Terminal Conveyor H02 Arrangement and Details of Walkway and Stringers.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_166	1	3rd Import Route Dry Bulk Terminal Conveyor H02 Section Details of Walkway and Stringers. Dry Bulk Terminal Conveyor H02 Section Details of Walkway and Stringers.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_298	1	3rd Import Route Conv.H01, H02, H05 General Arrangement of Chutes Conv.H01, H02, H05 General Arrangement of Chutes	H01, H02, H05 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_120	1	Third Import Route Conveyor H02 Alteration to Existing Skirt Plates Layout Conveyor H02 Alteration to Existing Skirt Plates Layout	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_140	1	Third Import Route Dry Bulk Terminal Conveyor H02 (1350 Wide) Moving Head-Arrangement & Details Dry Bulk Terminal Conveyor H02 (1350 Wide) Moving Head-Arrangement & Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_141	1	Third Import Route Dry Bulk Terminal Conv.H02 (1350 Wide) Moving Head -Details of Frame Dry Bulk Terminal Conv.H02 (1350 Wide) Moving Head -Details of Frame	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_142	0	Third Import Route Dry Bulk Terminal Conveyor H02 (1350 Wide) Moving Head-Head Chute Arrangement (Sheet 1) Dry Bulk Terminal Conveyor H02 (1350 Wide) Moving Head-Head Chute Arrangement (Sheet 1)	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_143	0	Third Import Route Dry Bulk Terminal Conv.H02(1350 Wide) Moving Head -Drive Arrangement & Details Dry Bulk Terminal Conv.H02(1350 Wide) Moving Head -Drive Arrangement & Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_144	0	Third Import Route Dry Bulk Terminal Conv.H02(1350 Wide) Moving Head -Locking Device Arrangement & Details Dry Bulk Terminal Conv.H02(1350 Wide) Moving Head -Locking Device Arrangement & Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_145	1	Third Import Route Dry Bulk Terminal Conv.H02(1350 Wide) Moving Head -Head Chute Details (Sheet 2) Dry Bulk Terminal Conv.H02(1350 Wide) Moving Head -Head Chute Details (Sheet 2)	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_146	0	Third Import Route Dry Bulk Terminal Conveyor H02 (1350 Wide) Moving Head -Trailing Chute Cover Details Dry Bulk Terminal Conveyor H02 (1350 Wide) Moving Head -Trailing Chute Cover Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_147	0	Third Import Route Dry Bulk Terminal Conveyor H02 (1350 Wide) Moving Head-Head chute Deflector Plate Details Dry Bulk Terminal Conveyor H02 (1350 Wide) Moving Head-Head chute Deflector Plate Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_150	3	Third Import Route Conveyor H02 Transfer Chute H02 Fermentech General Arrangement Conveyor H02 Transfer Chute H02 Fermentech General Arrangement	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_151	2	Third Import Route Conveyor H02 Transfer Chute H02 To H05 General Arrangement Conveyor H02 Transfer Chute H02 To H05 General Arrangement	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_152	0	Third Import Route Dry Bulk Terminal Conveyor H02 Skirtboard at U3 Intersection-Layout & Details Dry Bulk Terminal Conveyor H02 Skirtboard at U3 Intersection-Layout & Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers



DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
K2309_20_153	1	Third Import Route Dry Bulk Terminal Conveyor H02 Actuator Mechanism Assembly Dry Bulk Terminal Conveyor H02 Actuator Mechanism Assembly	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_154	1	Third Import Route Dry Bulk Terminal Conveyor H02 Details for Actuator Mechanism Dry Bulk Terminal Conveyor H02 Details for Actuator Mechanism	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_162	1	Third Import Route Dry Bulk Terminal Conveyor H02 (1350 Wide) Arrangement and Details of Rails and Guards Dry Bulk Terminal Conveyor H02 (1350 Wide) Arrangement and Details Of Rails And Guards	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_166	0	Third Import Route Dry Bulk Terminal Conveyor H02 Section Details of Walkway and Stringers Dry Bulk Terminal Conveyor H02 Section Details of Walkway and Stringers	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_298	0	Third Import Route Conv.H01, H02, H05 General Arrangement of Chutes Conv.H01, H02, H05 General Arrangement of Chutes	H01, H02, H05 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_040	1	3rd Import Route Conveyor F2 F2 - H02 Chute Layout 3rd Import Route Conveyor F2 F2 - H02 Chute Layout	F02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_224	A	Portnet-Richards Bay Third Import Route Dry Terminal. Conv. H02 (1350 Wide) Take-Up Tower & Counterweight Conv. H02 (1350 Wide) Take-Up Tower & Counterweight	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_040	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal. Conv. F2 - H02 Chute Layout Conv. F2 - H02 Chute Layout	F02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
1101_19_417		Third Import Route Dry Bulk Terminal Port of Richards Bay. Sectional Elevation "D" On Wagon Loading - F02 To G1/G02/H02 Transfer Sectional Elevation "D" On Wagon Loading - F02 To G1/G02/H02 Transfer	Wagon Loading	Mechanical	Bosch Projects (Pty) Ltd
K2309_20_142	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal. Conveyor "H02" (1350 Wide) Moving Head - Head Chute Arrangement Dry Bulk Terminal Conveyor "H02" (1350 Wide) Moving Head - Head Chute Arrangement	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_143	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal. Conveyor - "H02" (1350 Wide) Moving Head 0 Drive Arrangement & Details Dry Bulk Terminal Conveyor - "H02" (1350 Wide) Moving Head 0 Drive Arrangement & Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_144	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal. Conveyor - "H02" (1350 Wide) Moving Head - Locking Device Arrangement & Details Dry Bulk Terminal Conveyor - "H02" (1350 Wide) Moving Head - Locking Device Arrangement & Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_145	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal. Conveyor H02 (1350 Wide) Moving Head - Head Chute Details Dry Bulk Terminal Conveyor H02 (1350 Wide) Moving Head - Head Chute Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_146	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal. Conveyor - H02 (1350 Wide) Moving Head - Trailing Chute Cover Details Dry Bulk Terminal Conveyor - H02 (1350 Wide) Moving Head - Trailing Chute Cover Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_147	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal. Conveyor - "H02" (1350 Wide) Moving Head – Head chute Deflector Plate Details Dry Bulk Terminal Conveyor - "H02" (1350 Wide) Moving Head – Head chute Deflector Plate Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_141	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal Conveyor H02 (1350 Wide) Moving Head - Details of Frame Dry Bulk Terminal Conveyor H02 (1350 Wide) Moving Head - Details of Frame	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_140	A	Portnet-Richards Bay Third Import Route Dry Bulk Terminal Conveyor H02 (1350 Wide) Moving Head - Arrangement & Details Dry Bulk Terminal Conveyor H02 (1350 Wide) Moving Head - Arrangement & Details	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_151	A	Portnet-Richards Bay Third Import Route Conv. H02 Transfer Chute H02 To H05 General Arrangement Conv. H02 Transfer Chute H02 To H05 General Arrangement	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_120	A	Portnet Richards Bay 3rd Import Route Conveyor H02 Alteration to Existing Skirt Plates Layout 3rd Import Route Conveyor H02 Alteration to Existing Skirt Plates Layout	3rd Import Route	Mechanical	Knight Piesold Consulting Engineers
K2309_20_040	A	Portnet Richards Bay 3rd Import Route Conveyor F2 F2-H02 Chute Layout 3rd Import Route Conveyor F2 F2-H02 Chute Layout	3rd Import Route	Mechanical	Knight Piesold Consulting Engineers
		Programme Conveyor H02 Programme Conveyor H02	Miscellaneous		
2006_HQ1688_H02_001		Conveyor H02 Marking Plan and Legs Cross Section. Richards Bay Port. Conveyor H02 Marking Plan and Legs Cross Section.	H02 Conveyor		Hokmah
2006_HQ1688_H02_002		Conveyor H02 Un-Braced 12m Modules Details. Richards Bay Port. Conveyor H02 Un-Braced 12m Modules Details.	H02 Conveyor		Hokmah
2006_HQ1688_H02_003		Conveyor H02 12m Modules Details. Richards Bay Port. Conveyor H02 12m Modules Details.	H02 Conveyor		Hokmah
2006_HQ1688_H02_004		Conveyor H02 9m Braced Modules Details. Richards Bay Port. Conveyor H02 9m Braced Modules Details.	H02 Conveyor		Hokmah
2006_HQ1688_H02_005		Conveyor H02 St14-3.535m Module Tail End Arrangement and Details. Richards Bay Port. Conveyor H02 St14-3.535m Module Tail End Arrangement and Details.	H02 Conveyor		Hokmah



DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
2006_HQ1688_H02_006		Richards Bay Port. Conveyor H02 St13-6m Module Arrangement and Details. Richards Bay Port. Conveyor H02 St13-6m Module Arrangement and Details.	H02 Conveyor		Hokmah
2006_HQ1688_H02_007		Conveyor H02 3m Module B02, B03 And B04 Arrangement and Details. Richards Bay Port. Conveyor H02 3m Module B02, B03 And B04 Arrangement and Details.	H02 Conveyor		Hokmah
2006_HQ1688_H02_014		Conveyor H02 3m Module Details. Richards Bay Port. Conveyor H02 3m Module Details.	H02 Conveyor		Hokmah
2006_HQ1688_H02_011		Conveyor H02 3m Module Details. Richards Bay Port. Conveyor H02 3m Module Details.	H02 Conveyor		Hokmah
2006_HQ1688_H02_013		Conveyor H02 3m Module Details. Richards Bay Port. Conveyor H02 3m Module Details.	H02 Conveyor		Hokmah
2006_HQ1688_H02_010		Conveyor H02 3m Module Details. Richards Bay Port. Conveyor H02 3m Module Details.	H02 Conveyor		Hokmah
2006_HQ1688_H02_008		Conveyor H02 Tail End Guard Details Richards Bay Port. Conveyor H02 Tail End Guard Details.	H02 Conveyor		Hokmah
2006_HQ1688_H02_015		Conveyor H02 3m Modules Details. Richards Bay Port. Conveyor H02 3m Modules Details.	H02 Conveyor		Hokmah
2006_HQ1688_H02_012	M	Conveyor H02 3m Modules Details. Richards Bay Port. Conveyor H02 3m Modules Details.	H02 Conveyor		Hokmah
2006_HQ1688_H02_009	M	Conveyor H02 Deck Plate Details. Richards Bay Port. Conveyor H02 Deck Plate Details.	H02 Conveyor		Hokmah
554P133E2420 101_A1		Portnet Richards Bay Third Import Route Conveyor H02 Substation K Cable Block Diagram Portnet Richards Bay Third Import Route Conveyor H02 Substation K Cable Block Diagram	3rd Import Route	Electrical	Knight Piesold Consulting
554P133E2420 101_A1_1		Portnet Richards Bay Third Import Route Conveyor H02 Substation K Cable Block Diagram Portnet Richards Bay Third Import Route Conveyor H02 Substation K Cable Block Diagram	3rd Import Route	Electrical	Knight Piesold Consulting
554P133E2630 102		Third Import Route Conveyor H02_H00_V01_V02_G02_X11 Third Import Route Conveyor H02_H00_V01_V02_G02_X11	3rd Import Route	Electrical	
554P33E26301 02		Portnet Richards Bay Third Import Route Conveyor H02_H00_V01_G02_X11 Substation K Portnet Richards Bay Third Import Route Conveyor H02_H00_V01_G02_X11 Substation K	3rd Import Route	Electrical	
554P33E26302 00		Portnet Richards Bay Third Route Conveyor H02_H00_V01_G02_X11 Substation K Portnet Richards Bay Third Route Conveyor H02_H00_V01_G02_X11 Substation K	3rd Import Route	Electrical	



Appendix 5 CV H03 Grindrod Export Conveyor Drawing register

DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
9	5	Dry Bulk Terminal Conveyor H03 Typical Stringer Module Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Typical Stringer Module Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
11	3	Dry Bulk Terminal Conveyor H03 Transition Between Stringer Types Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Transition Between Stringer Types Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
10	9	Dry Bulk Terminal Conveyor H03 Typical Leg Units Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Typical Leg Units Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
12	3	Refurbishment Project. Dry Bulk Terminal Conveyor H03 Typical Leg Units Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Typical Leg Units Details.	N1 Conveyor		Heunes Engineering Hildings (Pty) Ltd
14	2	Dry Bulk Terminal Conveyor H03 Head Incline Legs-L15-L21 Detail. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Head Incline Legs-L15-L21 Detail.	N1 Conveyor		Heunes Engineering Hildings (Pty) Ltd
13	3	Dry Bulk Terminal Conveyor H03 Motor Base Arrangement. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Motor Base Arrangement.	N1 Conveyor		Heunes Engineering Hildings (Pty) Ltd
21	4	Dry Bulk Terminal Conveyor H03 Drive and Head Pulley Support Frames Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Drive and Head Pulley Support Frames Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
16	3	Dry Bulk Terminal Conveyor H03 Head Incline Stringers Arrangement. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Head Incline Stringers Arrangement.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
15	7	Dry Bulk Terminal Conveyor H03 Typical Stringer & Horizontal Bracing Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Typical Stringer & Horizontal Bracing Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
20	3	Dry Bulk Terminal Conveyor H03 Pulley for Replacement Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Pulley for Replacement Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
21	5	Dry Bulk Terminal Conveyor H03 Drive Support Frame Arrangement and Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Drive Support Frame Arrangement and Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
18	2	Dry Bulk Terminal Conveyor H03 U03 Transfer Point Modification to Chute Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 U03 Transfer Point Modification to Chute Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
19	3	Dry Bulk Terminal Conveyor H03 Tail-End Deck plates Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Tail-End Deck plates Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
17	3	Dry Bulk Terminal Conveyor H03 Stringers S80 &S81 Arrangement. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Stringers S80 &S81 Arrangement.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
21	4	Dry Bulk Terminal Conveyor H03 Drive and Head Support Frame Arrangement and Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Drive and Head Support Frame Arrangement and Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
21	4	Dry Bulk Terminal Conveyor H03 Drive and Head Support Frame Arrangement and Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Drive and Head Support Frame Arrangement and Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
22	4	Dry Bulk Terminal Conveyor H03 Head Incline Legs-L9-L14 Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Head Incline Legs-L9-L14 Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
23	5	Dry Bulk Terminal Conveyor H03 Head Incline Legs - L7-L8 Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Head Incline Legs - L7-L8 Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
1	6	Dry Bulk Terminal Conveyor H03 General Arrangement. Refurbishment Project. Dry Bulk Terminal Conveyor H03 General Arrangement.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
30	2	Dry Bulk Terminal Conveyor H03 Standard Sole Plate Dimensions Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Standard Sole Plate Dimensions Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
29	3	Dry Bulk Terminal Conveyor H03 Pulley Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Pulley Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
28	2	Dry Bulk Terminal Conveyor H03 Drive Arrangement. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Drive Arrangement	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
27	3	Dry Bulk Terminal Conveyor H03 U03 Transfer point - Skirts Arrangement and Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 U03 Transfer point - Skirts Arrangement and Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
26	2	Dry Bulk Terminal Conveyor H03 Motor Base Drilling Layout Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Motor Base Drilling Layout Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
24	4	Dry Bulk Terminal Conveyor H03 Head Incline Legs - L5 - L6 Arrangement. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Head Incline Legs - L5 - L6 Arrangement.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd



DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
25	2	Dry Bulk Terminal Conveyor H03 Stringers at Drive End Arrangement And Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Stringers at Drive End Arrangement And Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
10	9	Dry Bulk Terminal Conveyor H03 Typical Leg Units Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Typical Leg Units Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
11	3	Dry Bulk Terminal Conveyor H03 Transition Between Stringer Types Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Transition Between Stringer Types Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
12	3	Dry Bulk Terminal Conveyor H03 Take - Up Section Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Take - Up Section Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
13	3	Dry Bulk Terminal Conveyor H03 Motor Base Arrangement. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Motor Base Arrangement.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
14	2	Dry Bulk Terminal Conveyor H03 Head Incline Legs - L15-L21 Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Head Incline Legs - L15-L21 Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
15	7	Dry Bulk Terminal Conveyor H03 Typical Stringers & Horizontal Bracing Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Typical Stringers & Horizontal Bracing Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
16	3	Dry Bulk Terminal Conveyor H03 Head Incline Stringers Arrangement. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Head Incline Stringers Arrangement.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
17	3	Dry Bulk Terminal Conveyor H03 Stringers S80 & S81 Arrangement. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Stringers S80 & S81 Arrangement.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
18	2	Dry Bulk Terminal Conveyor H03 U03 Transfer Point Modifications to Chute Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 U03 Transfer Point Modifications to Chute Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
19	3	Dry Bulk Terminal Conveyor H03 Tail - End Deck plates Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Tail - End Deck plates Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
20	3	Dry Bulk Terminal Conveyor H03 Pulley for Replacement Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Pulley for Replacement Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
21	4	Dry Bulk Terminal Conveyor H03 Drive and Head Pulley Support Frames Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Drive and Head Pulley Support Frames Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
21	5	Dry Bulk Terminal Conveyor H03 Drive Support Frame Arrangement and Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Drive Support Frame Arrangement and Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
21	4	Dry Bulk Terminal Conveyor H03 Drive and Head Support Frame Arrangement and Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Drive and Head Support Frame Arrangement and Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
21	4	Dry Bulk Terminal Conveyor H03 Drive and Head Support Frame Arrangement and Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Drive and Head Support Frame Arrangement and Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
22	4	Dry Bulk Terminal Conveyor H03 Head Incline Legs _ L9_L14 Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Head Incline Legs _ L9_L14 Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
23	5	Dry Bulk Terminal Conveyor H03 Head Incline Legs - L7 -L8 Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Head Incline Legs - L7 -L8 Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
28	2	Dry Bulk Terminal Conveyor H03 Drive Arrangement Refurbishment Project. Dry Bulk Terminal Conveyor H03 Drive Arrangement	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
30	2	Dry Bulk Terminal Conveyor H03 Standard Sole Plate Dimensions Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Standard Sole Plate Dimensions Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
29	3	Dry Bulk Terminal Conveyor H03 Pulley Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Pulley Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
24	4	Dry Bulk Terminal Conveyor H03 Head Incline Legs -L5-L6 Arrangement. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Head Incline Legs -L5-L6 Arrangement.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
25	2	Dry Bulk Terminal Conveyor H03 Stringers at Drive End Arrangement and Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Stringers at Drive End Arrangement and Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
26	2	Dry Bulk Terminal Conveyor H03 Motor Base Drilling Layout Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 Motor Base Drilling Layout Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
27	3	Dry Bulk Terminal Conveyor H03 U03 Transfer point - Skirts Arrangement and Details. Refurbishment Project. Dry Bulk Terminal Conveyor H03 U03 Transfer point - Skirts Arrangement and Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
1	6	Dry Bulk Terminal Conveyor H03 General Arrangement. Refurbishment Project. Dry Bulk Terminal Conveyor H03 General Arrangement.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd



DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
11	3	Dry Bulk Terminal Conveyor H03. Transition Between Stringer Types Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Transition Between Stringer Types Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
12	3	Dry Bulk Terminal Conveyor H03. Transition Between Stringer Types Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Transition Between Stringer Types Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
21	4	Dry Bulk Terminal Conveyor H03. Drive And Head Support Frame Arrangement and Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Drive And Head Support Frame Arrangement and Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
24	4	Dry Bulk Terminal Conveyor H03. Head Incline Legs-L5-L6 Arrangement. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Head Incline Legs-L5-L6 Arrangement.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
9	5	Dry Bulk Terminal Conveyor H03. Typical Stringer Module Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Typical Stringer Module Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
17	3	Dry Bulk Terminal Conveyor H03. Stringers S80 & S81 Arrangement. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Stringers S80 & S81 Arrangement.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
16	3	Dry Bulk Terminal Conveyor H03. Head Incline Stringers Arrangement. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Head Incline Stringers Arrangement.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
15	7	Dry Bulk Terminal Conveyor H03. Typical Stringer & Horizontal Bracing Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Typical Stringer & Horizontal Bracing Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
14	2	Dry Bulk Terminal Conveyor H03. Typical Stringer & Horizontal Bracing Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Typical Stringer & Horizontal Bracing Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
13	3	Dry Bulk Terminal Conveyor H03. Motor Base Arrangement. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Motor Base Arrangement.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
10	9	Dry Bulk Terminal Conveyor H03. Typical Leg Units Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Typical Leg Units Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
18	2	Dry Bulk Terminal Conveyor H03. U03 Transfer Point Modification to Chute Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. U03 Transfer Point Modification to Chute Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
19	3	Dry Bulk Terminal Conveyor H03. Tail-End Deckplates Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Tail-End Deckplates Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
21	4	Dry Bulk Terminal Conveyor H03. Drive And Head Pulley Support Frames Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Drive And Head Pulley Support Frames Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
20	3	Dry Bulk Terminal Conveyor H03. Pulley For Replacement Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Pulley For Replacement Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
21	5	Dry Bulk Terminal Conveyor H03. Drive Support Frame Arrangement and Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Drive Support Frame Arrangement and Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
21	4	Dry Bulk Terminal Conveyor H03. Drive And Head Support Frame Arrangement and Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Drive And Head Support Frame Arrangement and Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
1	6	Dry Bulk Terminal Conveyor H03. General Arrangement. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. General Arrangement.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
29	3	Dry Bulk Terminal Conveyor H03. Pulley Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Pulley Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
28	2	Dry Bulk Terminal Conveyor H03. Drive Arrangement. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Drive Arrangement.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
27	3	Dry Bulk Terminal Conveyor H03. U03 Transfer point-Skirts Arrangement and Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. U03 Transfer point-Skirts Arrangement and Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
26	2	Dry Bulk Terminal Conveyor H03. Motor Base Drilling Layout Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Motor Base Drilling Layout Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
25	2	Dry Bulk Terminal Conveyor H03. Stringers At Drive End Arrangement and Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Stringers At Drive End Arrangement and Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
22	4	Dry Bulk Terminal Conveyor H03. Head Incline Legs-L9-L14 Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Head Incline Legs-L9-L14 Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
23	5	Dry Bulk Terminal Conveyor H03. Head Incline Legs-L7-L8 Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Head Incline Legs-L7-L8 Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd
30	2	Dry Bulk Terminal Conveyor H03. Standard Sole Plate Dimensions Details. Refurbishment & Commissioning. Dry Bulk Terminal Conveyor H03. Standard Sole Plate Dimensions Details.	H3 Conveyors		Heunes Engineering Hildings (Pty) Ltd



DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
H3		H3 Conveyor Schematic Diagram H3 Conveyor Schematic Diagram	H3 Conveyors	Mechanical	Unknown
HED_1032_73	A	A-H Conv Link Richards Bay. Conveyor H2 & H3 - 1350 Wide Belt Details Of Skirts For Existing Conv's Conveyor H2 & H3 - 1350 Wide Belt Details Of Skirts For Existing Conv's	H02, H03 Conveyor	Mechanical	Osborn Mmd Engineering (Pty)Ltd
HED_1032_74	A	A-H Conv Link Richards Bay. Conv H2 & H3 - 1350 Wide Belts Skirt Details & Sections - Spill Plt & Deflector Plt's Conv H2 & H3 - 1350 Wide Belts Skirt Details & Sections - Spill Plt & Deflector Plt's	H02, H03 Conveyor	Mechanical	Osborn Mmd Engineering (Pty)Ltd
HED_1032_167	B	Gallery-Conv's H2 & H3. Mods To H Gallery - Detl's Of Bracings, Sag Angles, Posts, Gussets & Cleats Mods To H Gallery - Detl's Of Bracings, Sag Angles, Posts, Gussets & Cleats	H02, H03 Conveyor	Mechanical	Osborn Mmd Engineering (Pty)Ltd
HED_1032_171	B	'H' Gallery Conv H2 & H3 Mods To 'H' Gallery Column Details Mods To 'H' Gallery Column Details	H02, H03 Conveyor	Mechanical	Osborn Mmd Engineering (Pty)Ltd
HED_1032_166	B	Gallery-Conv's H2 & H3 Mod's to H Gallery Detl's of Purlins, Girts & Sag Angles Mod's to H Gallery Detl's of Purlins, Girts & Sag Angles	H02, H03 Conveyor	Mechanical	Osborn Mmd Engineering (Pty)Ltd
HED_1032_170	A	H-Gallery-Conv's H2 & H3 Mods to H Gallery Vertical Bracing, Girt & Beam Details Mods to H Gallery Vertical Bracing, Girt & Beam Details	H02, H03 Conveyor	Mechanical	Osborn Mmd Engineering (Pty)Ltd
HED_1032_164	B	Gallery-Conv's H2 & H3 Mod's to H Gallery Detl's of Columns & Rafters Mod's to H Gallery Detl's of Columns & Rafters	H02, H03 Conveyor	Mechanical	Osborn Mmd Engineering (Pty)Ltd
HED_1032_165	B	Gallery-Conv's H2 & H3. Mod's To H Gallery Detl's of Rafters, Columns & Beams Mod's to H Gallery Detl's of Rafters, Columns & Beams	H02, H03 Conveyor	Mechanical	Osborn Mmd Engineering (Pty)Ltd
CME_7562		Layout And Sections of Conveyor Belts H2 And H3 Layout and Sections of Conveyor Belts H2 And H3	H02, H03 Conveyor	Mechanical	S.A.R-S.A.S Pretoria
M020_9631		S.A.R Richards Bay Woodchip Export Conveyors. Details Of Drive Bed Plate for Conveyor No. H3 Details of Drive Bed Plate for Conveyor No. H3	H3 Conveyors	Mechanical	Mechaniplan (Pty) Ltd
M023_9631	A2	S.A.R Richards Bay Woodchip Export Conveyors. Arrangement Of Tail Chute for Conveyor No. H3 Arrangement of Tail Chute for Conveyor No. H3	H3 Conveyors	Mechanical	Mechaniplan (Pty) Ltd
M024_9631		S.A.R Richards Bay Woodchip Export Conveyors. Foundation Details for Gravity Take-Up on Conveyor No. H3 Foundation Details for Gravity Take-Up On Conveyor No. H3	H3 Conveyors	Mechanical	Mechaniplan (Pty) Ltd
M001_9631	A4	S.A.R Richards Bay Woodchip Export Conveyors. General Arrangement of Conveyor H3 General Arrangement of Conveyor H3	H3 Conveyors	Mechanical	Mechaniplan (Pty) Ltd
M064_9631	A1	S.A.R Richards Bay Woodchip Export Conveyors. Details Of Guard Panels for Conv's. H3 D1 Details of Guard Panels for Conv's. H3 D1	H3 Conveyors	Mechanical	Mechaniplan (Pty) Ltd
M066_9631	A4	S.A.R Richards Bay Woodchip Export Conveyors. Details Of Head Chute for Conveyors H3 & N3 Details of Head Chute for Conveyors H3 & N3	H3 Conveyors	Mechanical	Mechaniplan (Pty) Ltd
M097_9631	A2	S.A.R Richards Bay Woodchip Export Conveyors. Arrg't Of Head End of F1f2 & H3 Conveyors Showing Walkways & Crossover on Conv. H3 Arrg't of Head End of F1f2 & H3 Conveyors Showing Walkways & Crossover on Conv. H3	F01 Conveyor	Mechanical	Mechaniplan (Pty) Ltd
HED_1032_164	B	Gallery-Conv's H2 & H3. Mod's To H Gallery Detl's of Columns & Rafters Mod's to H Gallery Detl's of Columns & Rafters	H02, H03 Conveyor	Mechanical	Osborn Mmd Engineering (Pty)Ltd
HED_1032_165	B	Gallery-Conv's H2 & H3. Mod's To H Gallery Detl's of Rafters, Columns & Beams Mod's to H Gallery Detl's of Rafters, Columns & Beams	H02, H03 Conveyor	Mechanical	Osborn Mmd Engineering (Pty)Ltd
HED_1032_166	B	Gallery-Conv's H2 & H3. Mod's To H Gallery Detl's of Purlins, Girts & Sag Angles Mod's to H Gallery Detl's of Purlins, Girts & Sag Angles	H02, H03 Conveyor	Mechanical	Osborn Mmd Engineering (Pty)Ltd
HED_1032_167	B	Gallery-Conv's H2 & H3. Mod's To H Gallery Detl's of Bracings, Sag Angles, Posts, Gussets & Cleats Mod's to H Gallery Detl's of Bracings, Sag Angles, Posts, Gussets & Cleats	H02, H03 Conveyor	Mechanical	Osborn Mmd Engineering (Pty)Ltd
HED_1032_170	A	H-Gallery-Conv's H2 & H3. Mods To H Gallery Vertical Bracing, Girt L Beam Details Mods to H Gallery Vertical Bracing, Girt L Beam Details	H02, H03 Conveyor	Mechanical	Osborn Mmd Engineering (Pty)Ltd
HED_1032_171	B	H-Gallery-Conv's H2 & H3. Mods To 'H' Gallery Column Details Mods To 'H' Gallery Column Details	H02, H03 Conveyor	Mechanical	Osborn Mmd Engineering (Pty)Ltd
CIR005203H077		Gallery Conv's H2 & H3. Door For H Gallery Door for H Gallery	H02, H03 Conveyor	Mechanical	Osborn Mmd Engineering (Pty)Ltd
CME7562	B	Richards Bay Layout and Sections of Conveyor Belts H2 And H3 Layout and Sections of Conveyor Belts H2 And H3	H02, H03 Conveyor	Mechanical	S.A.R-S.A.S
CME7562		Richards Bay Layout and Sections of Conveyor Belts H2 And H3 Layout and Sections Of Conveyor Belts H2 And H3	H02, H03 Conveyor	Mechanical	S.A.R-S.A.S
CME7998		Layout And Sections of Conveyor Belt H3 Layout and Sections of Conveyor Belt H3	H3 Conveyors	Mechanical	S.A.R-S.A.S



DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
M062_9631	A6	Wood Chip Export Conveyors. Details Of Conveyor No H3 Tail Skirts Details of Conveyor No H3 Tail Skirts	H3 Conveyors	Mechanical	Mechaniplan (Pty) Ltd
CME_7562_15_00_2		Layout And Sections of Conveyor Belts H2 And H3 Layout and Sections of Conveyor Belts H2 And H3	H02, H03 Conveyor	Mechanical	S.A.R-S.A.S Pretoria
CME_7562_15_00_3		Layout And Sections of Conveyor Belts H2 And H3 (Superceded) Layout and Sections of Conveyor Belts H2 And H3 (Superceded)	H02, H03 Conveyor	Mechanical	S.A.R-S.A.S Pretoria
CME_7998_15_00		Layout And Sections of Conveyor Belt H3 Layout and Sections of Conveyor Belt H3	H3 Conveyors	Mechanical	S.A.R-S.A.S Pretoria
1101_29_401	2	Dry Bulk Terminal Port of Richards Bay Woodchip Link. Wood Chip Link Arrangement of Modifications to Silvacell/H3 And CTC/H3 Transfers For New H4 Conv Wood Chip Link Arrangement Of Modifications To Silvacell / H3 And CTC/H3 Transfers For New H4 Conv	H04 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_29_400	2	Dry Bulk Terminal Port of Richards Bay Woodchip Link. Ga Of Conveyors and Transfers from Silvacell/Ctc/H3 Transfers to S Gallery Ga of Conveyors And Transfers From Silvacell / Ctc/H3 Transfers To S Gallery	Gallary	Mechanical	Bosch Projects (Pty) Ltd
1101_29_400	A	General Arrangement of Conveyors & Transfers From "Silvacell / Ctc/H3" Transfer To "S" Gallery. Dry Bulk Terminal Port of Richards Bay Wood Chip Link. General Arrangement of Conveyors & Transfers From "Silvacell/Ctc/H3" Transfer To "S" Gallery.	Wood Chip Link		Bosch Projects (Pty) Ltd
1101_29_400	A	General Arrangement of Conveyors & Transfers From "Silvacell/Ctc/H3" Transfer To "S" Gallery. <NI> Dry Bulk Terminal Port of Richards Bay Wood Chip Link. General Arrangement of Conveyors & Transfers From "Silvacell/Ctc/H3" Transfer To "S" Gallery. <NI><NI>	Wood Chip Link		Bosch Projects (Pty) Ltd
1101_29_401	A	Arrangement Of Modifications To "Silvacell/H3" & "Ctc/H3" Transfers for New "H4" Conv. Dry Bulk Terminal Port of Richards Bay Wood Chip Link. Arrangement Of Modifications To "Silvacell/H3" & "Ctc/H3" Transfers for New "H4" Conv.	Wood Chip Link		Bosch Projects (Pty) Ltd
1101_29_401	A	Arrangement Of Modifications To "Silvacell/H3" & "Ctc/H3" Transfers for New "H4" Conv. Dry Bulk Terminal Port of Richards Bay Wood Chip Link. Arrangement Of Modifications To "Silvacell/H3" & "Ctc/H3" Transfers for New "H4" Conv.	Wood Chip Link		Bosch Projects (Pty) Ltd



Appendix 6 CV H05 Foskor Sulphur Import Conveyor Drawing register

DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
1101_019_270	C	Third Import Route Dry Bulk Terminal Transfer Tower H2/H5 Conveyor Piling and Foundation Layout. Transfer Tower H2/H5 Conveyor Piling and Foundation Layout.	Wagon Loading	Mechanical	Bosch Projects (Pty) Ltd
1101_019_272	B	Third Import Route Dry Bulk Terminal Additions to Existing Tower for H2/H5 Conveyor Split Concrete Floor Level 25305 & Details. Additions To Existing Tower for H2/H5 Conveyor Split Concrete Floor Level 25305 & Details.	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_282	E	Third Import Route Dry Bulk Terminal Additions to Existing Tower for H2/H5 Conveyor Split Plan at Level - 21110. Additions To Existing Tower for H2/H5 Conveyor Split Plan at Level - 21110.	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_283	D	Third Import Route Dry Bulk Terminal Additions to Existing Tower for H2/H5 Conveyor Split Plan at Level - 25305. Additions To Existing Tower for H2/H5 Conveyor Split Plan at Level - 25305.	C3, C4 Conveyors	Mechanical	Bosch Projects (Pty) Ltd
1101_019_284	C	Third Import Route Dry Bulk Terminal Additions to Existing Tower for H2/H5 Conveyor Split Elevation at Gridline T1 & T2/3 Additions to Existing Tower for H2/H5 Conveyor Split Elevation at Gridline T1 & T2/3	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_285	D	Third Import Route Dry Bulk Terminal Additions to Existing Tower for H2/H5 Conveyor Split - Elevation at Gridline T4 Additions to Existing Tower for H2/H5 Conveyor Split - Elevation at Gridline T4	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_286	D	Third Import Route Dry Bulk Terminal Additions to Existing Tower for H2/H5 Conveyor Split Elevations at Gridline Td & Ta Additions to Existing Tower for H2/H5 Conveyor Split Elevations At Gridline Td & Ta	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_287	F	Third Import Route Dry Bulk Terminal Additions to Existing Tower for H2/H5 Conveyor Split- Elevations at Gridline Tb & Tc Additions to Existing Tower for H2/H5 Conveyor Split- Elevations at Gridline Tb & Tc	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_271	B	Third Import Route Dry Bulk Terminal Adds. To Exist. Tower For H2/H5 Conveyor Split Concrete Flr. LVL. 16 750 & 22055 Adds. To Exist. Tower For H2/H5 Conveyor Split Concrete Flr. LVL. 16 750 & 22055	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_280	C	Third Import Route Dry Bulk Terminal Additions to Existing Tower for H2/H5 Conveyor Split Plan at Level - 12110 Additions to Existing Tower for H2/H5 Conveyor Split Plan at Level - 12110	H Gallery	Mechanical	Bosch Projects (Pty) Ltd
1101_019_281	D	Third Import Route Dry Bulk Terminal Additions to Existing Tower for H2/H5 Conveyor Split Plan @ Lvl - 16750 Additions to Existing Tower for H2/H5 Conveyor Split Plan @ LVL- 16750	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_288	B	Third Import Route Dry Bulk Terminal Additions to Existing Tower for H2/H5 Conveyor Split Stl Connection Details Additions to Existing Tower for H2/H5 Conveyor Split Stl Connection Details	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_289	B	Third Import Route Dry Bulk Terminal Additions to Existing Tower for H2/H5 Conveyor Split Roof Plan Additions to Existing Tower for H2/H5 Conveyor Split Roof Plan	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_170	B	Third Import Route Dry Bulk Terminal Adds to Existing Tower for H2/H5 Conveyor Split Sheeting Elevations - External Adds to Existing Tower for H2/H5 Conveyor Split Sheeting Elevations - External	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
H5		H5 Conveyor Schematic Diagram H5 Conveyor Schematic Diagram	H5 Conveyor	Mechanical	Unknown
S_2002		Portnet Richards Bay Third Import Route H2 / H5 Split Tower Fire and Wash Water Portnet Richards Bay Third Import Route H2 / H5 Split Tower Fire and Wash Water	Fire Fighting and Protection	Mechanical	Country Contracts Cc
1101_019_007		Third Import Route Dry Bulk Terminal Port of Richards Bay. Adds Exist. Tower For H2/H5 Conveyor Split Sheeting Elevations - External Adds Exist. Tower For H2/H5 Conveyor Split Sheeting Elevations - External	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
S_2002_5		H2 / H5 Split Tower Fire and Wash Water H2 / H5 Split Tower Fire and Wash Water	H02, H05 Conveyor	Rescan	Country Contracts Cc
1101_019_280	A	Third Import Route Dry Bulk Terminal Port of Richards Bay. Adds. To Exiting Tower for H2/H5 Conv. Split Plan at Lvl - 12110 Adds. To Exiting Tower for H2/H5 Conv. Split Plan at Lvl - 12110	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_281	A	Third Import Route Dry Bulk Terminal Port of Richards Bay. Adds. To Exiting Tower for H2/H5 Conv. Split Plan at Lvl - 16750 Adds. To Exiting Tower for H2/H5 Conv. Split Plan at Lvl - 16750	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_282	A	Third Import Route Dry Bulk Terminal Port of Richards Bay. Adds. To Exiting Tower for H2/H5 Conv. Split Plan at Lvl - 21110 Adds. To Exiting Tower for H2/H5 Conv. Split Plan at Lvl - 21110	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_283	A	Third Import Route Dry Bulk Terminal Port of Richards Bay. Adds. To Exiting Tower for H2/H5 Conv. Split Plan at Lvl - 25305 Adds. To Exiting Tower For H2/H5 Conv. Split Plan At Lvl - 25305	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_284	A	Third Import Route Dry Bulk Terminal Port of Richards Bay. Adds. To Exiting Tower for H2/H5 Conv. Split Elevation at Gridline T1 & T2/3 Adds. To Exiting Tower for H2/H5 Conv. Split Elevation at Gridline T1 & T2/3	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_285	A	Third Import Route Dry Bulk Terminal Port of Richards Bay. Adds. To Exiting Tower for H2/H5 Conv. Split Elevation at Gridline T4 Adds. To Exiting Tower for H2/H5 Conv. Split Elevation at Gridline T4	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_19_270	B	Third Import Route Richards Bay. Transfer Tower for H2/H5 Conveyor Piling and Foundation Layout Transfer Tower For H2/H5 Conveyor Piling And Foundation Layout	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd



DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
NO NUMBER		Transfer Tower for H2/H5 Conveyor Piling and Foundation Layout Transfer Tower for H2/H5 Conveyor Piling and Foundation Layout	H02, H05 Conveyor	Rescan	Bosch Projects (Pty) Ltd
1101_019_271	A	Third Import Route Dry Bulk Terminal Port of Richards Bay. Add. To Exist. Tower For H2/H5 Conveyor Split Concrete Flr. Lvl. 16750 & 22055 Add. To Exist. Tower For H2/H5 Conveyor Split Concrete Flr. Lvl. 16750 & 22055	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_286	A	Third Import Route Dry Bulk Terminal Port of Richards Bay. Add. To Existing Tower for H2/H5 Conv. Split Elevations at Gridline Td & Ta Add. To Existing Tower for H2/H5 Conv. Split Elevations at Gridline Td & Ta	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_287	A	Third Import Route Dry Bulk Terminal Port of Richards Bay. Add. To Existing Tower for H2/H5 Conveyor Split Elevations at Gridline Tb & Tc Add. To Existing Tower for H2/H5 Conveyor Split Elevations at Gridline Tb & Tc	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_288	A	Third Import Route Dry Bulk Terminal Port of Richards Bay. Add. To Existing Tower for H2/H5 Conveyor Split Steel Connection Details Add. To Existing Tower for H2/H5 Conveyor Split Steel Connection Details	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_289	A	Third Import Route Dry Bulk Terminal Port of Richards Bay. Add. To Existing Tower for H2/H5 Conveyor Split Roof Plan Add. To Existing Tower for H2/H5 Conveyor Split Roof Plan	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
1101_019_272	A	Third Import Route Dry Bulk Terminal Port of Richards Bay. Add. To Exist. Tower For H2/H5 Conveyor Split - Concrete Floor Level 25305 & Details Add. To Exist. Tower For H2/H5 Conveyor Split - Concrete Floor Level 25305 & Details	H02, H05 Conveyor	Mechanical	Bosch Projects (Pty) Ltd
S_2002_3		Portnet Richards Third Import Route. Third Import Route H2.H5 Split Tower Fire and Wash Water Third Import Route H2.H5 Split Tower Fire and Wash Water	Wash Water	Mechanical	Country Contracts Cc
2309_20_151	2	Third Import Route Conveyor H02 Transfer Chute H02 To H05 General Arrangement Conveyor H02 Transfer Chute H02 To H05 General Arrangement	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_184	3	Third Import Route Conveyor H01 Transfer Chute H01 To H05 General Arrangement Conveyor H01 Transfer Chute H01 To H05 General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_200	2	Third Import Route Conveyor H05 Tail Conveyor Skirt Boards General Arrangement Conveyor H05 Tail Conveyor Skirt Boards General Arrangement	H05 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_201	1	Third Import Route Dry Bulk Terminal Conveyor H05 (1350 Wide) Details of Tail Frame & Stringers Dry Bulk Terminal Conveyor H05 (1350 Wide) Details Of Tail Frame & Stringers	H05 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_298	0	Third Import Route Conv. H01, H02, H05 General Arrangement of Chutes Conv. H01, H02, H05 General Arrangement of Chutes	H01, H02, H05 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_201	2	3rd Import Route Dry Bulk Terminal Conveyor H05 (1350 Wide) Details of Tail Frames and Stringers Dry Bulk Terminal Conveyor H05 (1350 Wide) Details of Tail Frames and Stringers	H05 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_151	3	3rd Import Route Conveyor Transfer Chute H02 To H05 General Arrangement. Conveyor Transfer Chute H02 To H05 General Arrangement.	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_184	4	3rd Import Route Conveyor H01transfer Chute H01 To H05 General Arrangement. Conveyor H01transfer Chute H01 To H05 General Arrangement.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_298	1	3rd Import Route Conv.H01, H02, H05 General Arrangement of Chutes Conv.H01, H02, H05 General Arrangement of Chutes	H01, H02, H05 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_151	2	Third Import Route Conveyor H02 Transfer Chute H02 To H05 General Arrangement Conveyor H02 Transfer Chute H02 To H05 General Arrangement	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_298	0	Third Import Route Conv.H01, H02, H05 General Arrangement of Chutes Conv.H01, H02, H05 General Arrangement of Chutes	H01, H02, H05 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_184	A	Portnet-Richards Bay Third Import Route Conveyor H01 Transfer Chute H01 To H05 General Arrangement Conveyor H01 Transfer Chute H01 To H05 General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_151	A	Portnet-Richards Bay Third Import Route Conv. H02 Transfer Chute H02 To H05 General Arrangement Conv. H02 Transfer Chute H02 To H05 General Arrangement	H02 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_200	A	Portnet-Richards Bay Third Import Route Conv. H05 Tail Conv. Skirt Boards General Arrangement Conv. H05 Tail Conv. Skirt Boards General Arrangement	H05 Conveyor	Mechanical	Knight Piesold Consulting Engineers
S_2002_6		Portnet Richards Third Import Route. Third Import H05 and F00 Dellige and Moo Hydrants and Air Line Third Import H05 and F00 Dellige and Moo Hydrants And Air Line	3rd Export Route	Mechanical	Country Contracts cc
D06_002_117	A	HBI Link Conveyor H05 Actuator and Deflector Plate Details HBI Link Conveyor H05 Actuator and Deflector Plate Details	H05 Conveyor	Mechanical	Demco Tech cc
D06_002_118	A	HBI Link Conveyor H05 Modification Head and Transfer Chute HBI Link Conveyor H05 Modification Head and Transfer Chute	H05 Conveyor	Mechanical	Demco Tech cc
D06_002_106		HBI Link Conveyor H05 Head and Transfer Chute Details HBI Link Conveyor H05 Head and Transfer Chute Details	H05 Conveyor	Mechanical	Demco Tech cc



DESCRIPTION OF THE WORKS: Dismantling of Bateman Train Loadout Station and Dismantling of H,V,U gallery steel structures, H&V transfer tower, Grindrod transfer tower, Foskor transfer tower in the Port of Richards Bay

DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
D06_002_117	C	South African Operations Richards Bay. HBI Link Conveyor H05 Actuator and Deflector Plate Details HBI Link Conveyor H05 Actuator and Deflector Plate Details	H05 Conveyor	Mechanical	Demco Tech cc
D06_002_114	A-T	South African Operations Richards Bay. HBI Link Conveyor H05 Head Section HBI i Link Conveyor H05 Head Section	H05 Conveyor	Mechanical	Demco Tech cc
D06_002_112	A-T	South African Operations Richards Bay. HBI Link Conveyor H05 Arrangement of Modifications HBI Link Conveyor H05 Arrangement of Modifications	H05 Conveyor	Mechanical	Demco Tech cc
D06_002_107	A-T	South African Operations Richards Bay. HBI Link Conveyor H05 To Foskor Conveyor Diverter Car Details HBI i Link Conveyor H05 To Foskor Conveyor Diverter Car Details	H05 Conveyor	Mechanical	Demco Tech cc
D06_002_106	A-T	South African Operations Richards Bay. HBI Link Conveyor H05 Chute Details HBI Link Conveyor H05 Chute Details	H05 Conveyor	Mechanical	Demco Tech cc
D06_002_110		HBI Link Conveyors H05 & H06 Details of Deflector Plates HBI i Link Conveyors H05 & H06 Details of Deflector Plates	H05 Conveyor	Mechanical	Demco Tech cc
D06_002_124		South African Port Operations Richards Bay. HBI Link Conveyors H05 & H06 Sole Plate Details HBI Link Conveyors H05 & H06 Sole Plate Details	Conveyor General	Mechanical	Demco Tech cc
D06_002_106		South African Port Operations Richards Bay. HBI Link Conveyor H05 Head & Transfer Chute Details HBI Link Conveyor H05 Head & Transfer Chute Details	H05 Conveyor	Mechanical	Demco Tech cc
D06_002_113		South African Port Operations Richards Bay. HBI Link Conveyor H05 Stringer Modification Details HBI Link Conveyor H05 Stringer Modification Details	H05 Conveyor	Mechanical	Demco Tech cc
D06_002_115		South African Port Operations Richards Bay. HBI Link Conveyor H05 Drive Frame & Magnetic Support Mod HBI Link Conveyor H05 Drive Frame & Magnetic Support Mod	H5 Conveyor	Mechanical	Demco Tech cc
2006_D03_024	A	Dry Bulk Terminal Richards Bay Refurbishment Project Conveyor D03 Moving Head Structure Details for Modules Mk'DMh05 and Mh06. Dry Bulk Terminal Richards Bay Refurbishment Project Conveyor D03 Moving Head Structure Details for Modules Mk'D MH05 and MH06.	D3 Conveyor		



Appendix 7 CV V01 Coking Shed Stacking Conveyor Drawing register

DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
2309_20_180	3	Third Import Route Conveyor H01 To V01 Transfer Chute from H01 To V01 General Arrangement Conveyor H01 To V01 Transfer Chute from H01 To V01 General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
2309_20_180	4	3rd Import Route Conveyor H01 To V01 Transfer Chute from H01 To V01 General Arrangement. Conveyor H01 To V01 Transfer Chute from H01 To V01 General Arrangement.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_180	3	Third Import Route Conveyor H01 To V01 Transfer Chute from H01 To Vo1 General Arrangement Conveyor H01 To V01 Transfer Chute from H01 To Vo1 General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
K2309_20_181	1	Third Import Route Conveyor H01 To V01 Transfer Chute from H01 To Swing Chute General Arrangement Conveyor H01 To V01 Transfer Chute from H01 To Swing Chute General Arrangement	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
541_GEN_108		Portnet-Richards Bay. Coking Coal Storage Facility Conv's G1: F1: H00: H01: V01: V02 Details of H.D. Bolt Packs and Chemical Anchor Schedule Coking Coal Storage Facility Conv's G1: F1: H00: H01: V01: V02 Details of H.D. Bolt Packs and Chemical Anchor Schedule	Coking Coal Storage	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_GEN_114		Portnet-Richards Bay. Coking Coal Storage Facility Conveyors H00, H01, V01, V02 Flat Return Idlers Detail of Support Cleats Coking Coal Storage Facility Conveyors H00, H01, V01, V02 Flat Return Idlers Detail of Support Cleats	Coking Coal Storage	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_GEN_117		Portnet-Richards Bay. Coking Coal Storage Facility Conv V01 & V02 Details of H.D. Bolt Packs and Chemical Anchor Schedule [Phase 2] Coking Coal Storage Facility Conv V01 & V02 Details of H.D. Bolt Packs and Chemical Anchor Schedule [Phase 2]	Coking Coal Storage	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_TR_107		Coking Coal Storage Facility Tripper Conveyor No. V01 - 1350 Belt Width. Arrgt. And Details of Cascade Gate Coking Coal Storage Facility Tripper Conveyor No. V01 - 1350 Belt Width. Arrgt. And Details of Cascade Gate	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_TR_109		Coking Coal Storage Facility Tripper Conv. V01 - 1350 Belt Width. Arrgt. And Details of Main Access Ladder Coking Coal Storage Facility Tripper Conv. V01 - 1350 Belt Width. Arrgt. And Details of Main Access Ladder	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_TR_110		Coking Coal Storage Facility Tripper Conveyor V01 1350 Belt Width. Arrgt. And Dtls of Secondary Access Ladders Coking Coal Storage Facility Tripper Conveyor V01 1350 Belt Width. Arrgt. And Dtls of Secondary Access Ladders	Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_TR_111		Conv. V01 Tripper Details of Locating Pins Conv V01 Tripper Details of Locating Pins	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_116		Coking Coal Storage Facility Tripper Conveyor No. V01 - 1350 Belt width. Arrgt. And Details of Take-Up Tower Base Module Coking Coal Storage Facility Tripper Conveyor No. V01 - 1350 Belt width. Arrgt. And Details of Take-Up Tower Base Module	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_117		Coking Coal Storage Facility Conveyor No. V01 -Take-Up Tower 1350 Belt Width. Arrgt. And Details of Standard Module Coking Coal Storage Facility Conveyor No. V01 -Take-Up Tower 1350 Belt Width. Arrgt. And Details of Standard Module	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_118		Coking Coal Storage Facility Conveyor No. V01 - 1350 Belt width. Arrgt And Details of Counter - Weight Coking Coal Storage Facility Conveyor No. V01 - 1350 Belt width. Arrgt And Details of Counter - Weight	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_119		Coking Coal Facility Conveyor No. V01 - 1350 Belt width. Arrgt. and Details of Take-Up Tower Guard Coking Coal Facility Conveyor No. V01 - 1350 Belt width. Arrgt. And Details of Take-Up Tower Guard	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_105		Coking Coal Storage Facility Conveyor V01 - 1350 Wide. Details Of Incline Stringer Modules Mark St-9, St-10, St-11 And St-12 Coking Coal Storage Facility Conveyor V01 - 1350 Wide. Details Of Incline Stringer Modules Mark St-9, St-10, St-11 And St-12	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_106		Coking Coal Storage Facility Conveyor V01 1350 Wide. Details Of Horizontal and Incline Stringer Modules Mark Nos St-5, St-8, St-13 And St14 Coking Coal Storage Facility Conveyor V01 1350 Wide. Details Of Horizontal and Incline Stringer Modules Mark Nos St-5, St-8, St-13 And St14	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_107		Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrangement And Details of Feed Skirts Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrangement And Details of Feed Skirts	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_108		Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrangement and Details of Head and Tail Pulley Guards Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrangement And Details of Head and Tail Pulley Guards	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_109		Coking Coal Storage Facility Conveyor V01 1350 Wide. Details of Drive Frame Guards Coking Coal Storage Facility Conveyor V01 1350 Wide. Details Of Drive Frame Guards	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_110		Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrgt and Details of Bend Pulley Guards Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrgt and Details of Bend Pulley Guards	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_111		Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrgt and Details of Bend Pulley Frames Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrgt And Details of Bend Pulley Frames	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System



DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
541_V01_112		Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrangement of Drive and Take-Up Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrangement Of Drive and Take-Up	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_113		Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrangement of H.D. Bolts Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrangement Of H.D. Bolts	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_114		Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrangement of Take-Up Tower Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrangement of Take-Up Tower	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_115		Coking Coal Storage Facility Conveyor No. V01 1350 Wide. Arrgt. And Details of Take-Up Tower Transom Module Coking Coal Storage Facility Conveyor No. V01 1350 Wide. Arrgt. And Details of Take-Up Tower Transom Module	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_120		Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrgt. And Details of Catladder Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrgt. And Details of Catladder	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_121		Coking Coal Storage Facility Conveyor No. V01 1350 Belt width. Arrgt. And Details of Take-Up Guards Coking Coal Storage Facility Conveyor No. V01 1350 Belt width. Arrgt. And Details of Take-Up Guards	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_122		Coking Coal Storage Facility Conveyor No. V01 1350 Belt width. Arrangement Of Feed Chute Coking Coal Storage Facility Conveyor No. V01 1350 Belt width. Arrangement Of Feed Chute	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_123		Coking Coal Storage Facility Conveyor V01 1350 Belt Width. Arrgt. And Details of Take-Up Platform At +14 000 T.O.S. Level Coking Coal Storage Facility Conveyor V01 1350 Belt Width. Arrgt. And Details of Take-Up Platform At +14 000 T.O.S. Level	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_124		Coking Coal Storage Facility Conveyor V01 - 1350 Wide. Platform At + 14 000 Lvl. T.O.S. Details of Grating Coking Coal Storage Facility Conveyor V01 - 1350 Wide. Platform At + 14 000 Lvl. T.O.S. Details of Grating	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_210		Coking Coal Storage Facility Conveyor V01 1350 Wide. General Arrgt. [Phase 2] Coking Coal Storage Facility Conveyor V01 1350 Wide. General Arrgt. [Phase 2]	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_211		Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrangement of H.D. Bolts [Phase 2] Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrangement Of H.D. Bolts [Phase 2]	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_212		Coking Coal Storage Facility Conveyor V01 - 1350 Wide. Details Of Horizontal Stringer Modules Mark Nos St-1,2 And 3 [Phase2] Coking Coal Storage Facility Conveyor V01 - 1350 Wide. Details Of Horizontal Stringer Modules Mark Nos St-1,2 And 3 [Phase2]	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_TR_100		Coking Coal Storage Facility Conveyor V01 & Shuttle Conveyor V51 1350 & 1500 Belt widths. Arrgt. Of Tripper With 12.55 Deg. Straight Gantry Coking Coal Storage Facility Conveyor V01 & Shuttle Conveyor V51 1350 & 1500 Belt widths. Arrgt. Of Tripper With 12.55 Deg. Straight Gantry	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_TR_101		Coking Coal Storage Facility Conveyor V01 - 1350 Belt Width. Arrgt And Details of Discharge Chute Coking Coal Storage Facility Conveyor V01 - 1350 Belt Width. Arrgt And Details of Discharge Chute	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_TR_103		Coking Coal Storage Facility Tripper Conveyor V01 & V51 1350 & 1500 Belt Width. Arrgt. And Details of Skirt Plates Coking Coal Storage Facility Tripper Conveyor V01 & V51 1350 & 1500 Belt Width. Arrgt. And Details of Skirt Plates	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_TR_106		Coking Coal Storage Facility Tripper Conveyor V01 & V51 1350 & 1500 Belt Width. Arrgt. And Details of Pulley Guards Coking Coal Storage Facility Tripper Conveyor V01 & V51 1350 & 1500 Belt Width. Arrgt. And Details of Pulley Guards	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_TR_108		Coking Coal Storage Facility Tripper Conveyor V01 & V51 1350 & 1500 Belt Width. Arrgt. And Details of Head Frame Guards Coking Coal Storage Facility Tripper Conveyor V01 & V51 1350 & 1500 Belt Width. Arrgt. And Details of Head Frame Guards	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_TR_112		Coking Coal Storage Facility Tripper Conveyor V01.Wing Conveyor Cross - Overs Coking Coal Storage Facility Tripper Conveyor V01.Wing Conveyor Cross - Overs	Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_100		Coking Coal Storage Facility Conveyor V01 1350 Wide. General Arrangement Coking Coal Storage Facility Conveyor V01 1350 Wide. General Arrangement	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_101		Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrangement And Details of Head and Tail Frames Coking Coal Storage Facility Conveyor V01 1350 Wide. Arrangement And Details of Head and Tail Frames	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_102		Coking Coal Storage Facility Conveyor V01 1350 Wide. Details Of Drive Frame Coking Coal Storage Facility Conveyor V01 1350 Wide. Details Of Drive Frame	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_103		Coking Coal Storage Facility Conveyor V01 1350 Wide. Details Of Vertical Gravity Take-Up Coking Coal Storage Facility Conveyor V01 1350 Wide. Details of Vertical Gravity Take-Up	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_104		Coking Coal Storage Facility Conveyor V01 - 1350 Wide. Details Of Horizontal Stringer Modules Mark Nos St-1 ,1a,2,3,4,6 And7 Coking Coal Storage Facility Conveyor V01 - 1350 Wide. Details of Horizontal Stringer Modules Mark Nos St-1 ,1a,2,3,4,6 And7	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System



DESCRIPTION OF THE WORKS: Dismantling of Bateman Train Loadout Station and Dismantling of H,V,U gallery steel structures, H&V transfer tower, Grindrod transfer tower, Foskor transfer tower in the Port of Richards Bay

DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
541_V01_213		Coking Coal Storage Facility Conveyor V01 1350 Wide. Details Of Horizontal Stringer Modules Mark Nos St-4 And St-5 [Phase2] Coking Coal Storage Facility Conveyor V01 1350 Wide. Details Of Horizontal Stringer Modules Mark Nos St-4 And St-5 [Phase2]	V01 Conveyor / Tripper	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_TR		Coking Coal Storage Facility Tripper Conveyor V01 Wing Conveyor Cross - Overs Coking Coal Storage Facility Tripper Conveyor V01 Wing Conveyor Cross - Overs	V01 Conveyor / Tripper		Koch SA (Pty)Ltd Material Handling System
K2309_20_180	A	Third Import Route Conveyor H1. Conveyor H01 To V01 Transfer Chute from H01 to V01 General Arrangement. Conveyor H1. Conveyor H01 To V01 Transfer Chute from H01 To V01 General Arrangement.	H01 Conveyor	Mechanical	Knight Piesold Consulting Engineers
541_GEN_114	2	Portnet Richards Bay. Coking Coal Storage Facility Conveyors H00, H01, V01, V02 Flat Return Idlers Detail of Support Cleats Coking Coal Storage Facility Conveyors H00, H01, V01, V02 Flat Return Idlers Detail of Support Cleats	Coking Coal Storage	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_GEN_108	2	Portnet Richards Bay. Coking Coal Storage Facility Conveyors G1: F1: H00, H01, V01, V02 Details of HD. Bolt Packs and Chemical Anchor Schedule Coking Coal Storage Facility Conveyors G1: F1: H00, H01, V01, V02 Details of HD. Bolt Packs and Chemical Anchor Schedule	Coking Coal Storage	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_GEN_117	5	Portnet Richards Bay. Coking Coal Storage Facility Conveyors V01 And V02 Details of HD Bolt Packs Chemical Anchor Schedule Phase 2 Coking Coal Storage Facility Conveyors V01 And V02 Details of HD Bolt Packs Chemical Anchor Schedule Phase 2	Coking Coal Storage	Mechanical	Koch SA (Pty)Ltd Material Handling System
S_1081_3		Portnet Richards Coking Coal Storage. Coking Coal Storage V01 And V02 Conveyors Dellige System Coking Coal Storage V01 And V02 Conveyors Dellige System	Coking Coal Storage	Mechanical	Country Contracts Cc
541_GEN_104	3	Portnet Richards Bay. Coking Coal Storage 400 Flanged Wheel Details of Idler Wheel and Shaft for Conv V01 Tripper Coking Coal Storage 400 Flanged Wheel Details of Idler Wheel and Shaft for Conv V01 Tripper	Coking Coal Storage	Mechanical	Koch SA (Pty)Ltd Material Handling System
541_V01_100	4	Coking Coal Storage Tripper Conveyor V01 1350 Wide General Arrangement Coking Coal Storage Tripper Conveyor V01 1350 Wide General Arrangement	Coking Coal Storage	Mechanical	Koch SA (Pty)Ltd Material Handling System
HED 408_1037	A	Coking Coal Storage Facility General Arrangement and Details 1350 Wide Conveyor V01 Coking Coal Storage Facility General Arrangement and Details 1350 Wide Conveyor V01	Coking Coal Storage	Mechanical	Bosch Projects (Pty) Ltd
554P133E2630102		Third Import Route Conveyor H02_H00_V01_V02_G02_X11 Third Import Route Conveyor H02_H00_V01_V02_G02_X11	3rd Import Route	Electrical	
554P33E2630102		Portnet Richards Bay Third Import Route Conveyor H02_H00_V01_G02_X11 Substation K Portnet Richards Bay Third Import Route Conveyor H02_H00_V01_G02_X11 Substation K	3rd Import Route	Electrical	
554P33E2630200		Portnet Richards Bay Third Route Conveyor H02_H00_V01_G02_X11 Substation K Portnet Richards Bay Third Route Conveyor H02_H00_V01_G02_X11 Substation K	3rd Import Route	Electrical	



Appendix 8 CV V02 Coking Shed Reclaim Conveyor Drawing register

DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
541_GEN_108		Portnet-Richards Bay. Coking Coal Storage Facility Conv's G1: F1: H00: H01: V01: V02 Details of H.D. Bolt Packs and Chemical Anchor Schedule Coking Coal Storage Facility Conv's G1: F1: H00: H01: V01: V02 Details of H.D. Bolt Packs and Chemical Anchor Schedule	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_GEN_114		Portnet-Richards Bay. Coking Coal Storage Facility Conveyors H00, H01, V01, V02 Flat Return Idlers Detail of Support Cleats Coking Coal Storage Facility Conveyors H00, H01, V01, V02 Flat Return Idlers Detail of Support Cleats	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_GEN_117		Portnet-Richards Bay. Coking Coal Storage Facility Conv. V01 & V02 Details of H.D. Bolt Packs and Chemical Anchor Schedule [Phase 2] Coking Coal Storage Facility Conv. V01 & V02 Details of H.D. Bolt Packs and Chemical Anchor Schedule [Phase 2]	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_115		Coking Coal Storage Facility Conveyor V02. Travelling Vibro feeder Trolleys Details of Skirts Coking Coal Storage Facility Conveyor V02. Travelling Vibro feeder Trolleys Details of Skirts	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_121		Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrgt. And Details of Counter - Weight Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrgt. And Details of Counter - Weight	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_123		Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrgt. And Details of T.U. Bend Sheave Support Frame Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrgt. And Details of T.U. Bend Sheave Support Frame	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_133		Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrgt. And Details of Belt Retaining Roll Brkt and Beam Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrgt. And Details of Belt Retaining Roll Brkt and Beam	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_134		Coking Coal Storage Facility Conveyor No. V02 - 1350 Belt width. Arrgt. Of Spreader Beam for Temp. Position of Take-Up Tower Coking Coal Storage Facility Conveyor No. V02 - 1350 Belt width. Arrgt. Of Spreader Beam for Temp. Position of Take-Up Tower	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_135		Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Details Of Spreader Beam, Supt. Col and Sheave Brkt Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Details Of Spreader Beam, Supt. Col and Sheave Brkt.	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_136		Coking Coal Storage Facility Conveyor V02 1350 Wide. Travelling Vibro feeder Trolleys Details of Locating Device Coking Coal Storage Facility Conveyor V02 1350 Wide. Travelling Vibro feeder Trolleys Details of Locating Device	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_126		Coking Coal Storage Facility Conveyor V02 - 1350 Wide. Details Of Horizontal and Incline Stringer Modules St-19 And 20 Coking Coal Storage Facility Conveyor V02 - 1350 Wide. Details Of Horizontal and Incline Stringer Modules St-19 And 20	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_127		Coking Coal Storage Facility Conveyor V02 - 1350 Wide. Arrgt. And Details of Front Travelling Vibro feeder Trolley Frame Coking Coal Storage Facility Conveyor V02 - 1350 Wide. Arrgt. And Details of Front Travelling Vibro feeder Trolley Frame	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_128		Coking Coal Storage Facility Conveyor V02 - 1350 Wide. Arrangement and Details of Mobile Turnstile Coking Coal Storage Facility Conveyor V02 - 1350 Wide. Arrangement And Details of Mobile Turnstile	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_129		Coking Coal Storage Facility Conveyor V02 - 1350 Wide - 2,3 m/sec. General Arrgt. Of Phase 1 Installation Coking Coal Storage Facility Conveyor V02 - 1350 Wide - 2,3m /sec. General Arrgt. Of Phase 1 Installation	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_130		Coking Coal Storage Facility Conveyor V02 - 1350 Wide. Arrgt. Of Head Bolt for Phase 1 Installation Coking Coal Storage Facility Conveyor V02 - 1350 Wide. Arrgt. Of Head Bolt for Phase 1 Installation	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_131		Coking Coal Storage Facility Conveyor V02 - 1350 Wide. Arrgt. And Details of Rear Travelling Vibro feeder Trolley Frame Coking Coal Storage Facility Conveyor V02 - 1350 Wide. Arrgt. And Details of Rear Travelling Vibro feeder Trolley Frame	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_100		Coking Coal Storage Facility Conveyor V02 1350 Wide - 2,3m/Sec. General Arrangement Coking Coal Storage Facility Conveyor V02 1350 Wide - 2,3m/sec. General Arrangement	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_101		Coking Coal Storage Facility Conveyor V02.Head Frame Arrgt and Detail Coking Coal Storage Facility Conveyor V02.Head Frame Arrgt and Detail	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_102		Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrgt. And Details of Drive Frame Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrgt. And Details of Drive Frame	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_103		Coking Coal Storage Facility Conveyor V02 1350 Belt. Arrgt. Of Horizontal Take-Up Trolley Coking Coal Storage Facility Conveyor V02 1350 Belt. Arrgt. Of Horizontal Take-Up Trolley	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_104		Coking Coal Storage Facility Conveyor V02 1350 Wide. Details Of Horizontal Stringer Modules Imk.'D St-1 And St-2 In Tunnel Coking Coal Storage Facility Conveyor V02 1350 Wide. Details Of Horizontal Stringer Modules Imk.'D St-1 And St-2 In Tunnel	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System



DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
541_V02_105		Coking Coal Storage Facility Conveyor V02 1350 Wide. Arrgt. Of Front and Rear Travelling Vibro feeders Coking Coal Storage Facility Conveyor V02 1350 Wide. Arrgt. Of Front and Rear Travelling Vibro feeders	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_106		Coking Coal Storage Facility Conveyor V02 1350 Wide. And Details of Vibrating Feeder Feed Chute Coking Coal Storage Facility Conveyor V02 1350 Wide. And Details of Vibrating Feeder Feed Chute	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_107		Coking Coal Storage Facility Conveyor V02 1350 Wide. Arrgt. And Details of Vibrating Feeder Feed Discharge Chute Coking Coal Storage Facility Conveyor V02 1350 Wide. Arrgt. And Details of Vibrating Feeder Feed Discharge Chute	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_109		Coking Coal Storage Facility Conveyor V02 - 1350 Wide. Details Of Horizontal and Incline Stringer Modules St-7,8,9 And 10 Coking Coal Storage Facility Conveyor V02 - 1350 Wide. Details Of Horizontal and Incline Stringer Modules St-7,8,9 And 10	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_111		Coking Coal Storage Facility Conveyor V02 1350 Wide. Arrgt. And Details of Head Chute Coking Coal Storage Facility Conveyor V02 1350 Wide. Arrgt. And Details of Head Chute	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_113		Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrgt. And Details of Horizontal Take-Up Structure Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrgt. And Details of Horizontal Take-Up Structure	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_114		Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrgt. And Details of Horizontal Take-Up Guards Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrgt. And Details of Horizontal Take-Up Guards	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_117		Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrangement of Take-Up Tower Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrangement Of Take-Up Tower	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_118		Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrgt. And Details of Take-Up Tower Transom Module Coking Coal Storage Facility Conveyor No. V02 1350 Belt width. Arrgt. And Details of Take-Up Tower Transom Module	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_122		Coking Coal Storage Facility Conveyor V02 - 1350 Wide. Details Of Horizontal Stringer Modules Mk.'D St-3 And St-4 In Tunnel Coking Coal Storage Facility Conveyor V02 - 1350 Wide. Details Of Horizontal Stringer Modules Mk.'D St-3 And St-4 In Tunnel	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_124		Coking Coal Storage Facility Conveyor V02 1350 Wide. Details Of Horizontal Stringer Modules Mk.'D St-5 And St-6 In Tunnel Coking Coal Storage Facility Conveyor V02 1350 Wide. Details Of Horizontal Stringer Modules Mk.'D St-5 And St-6 In Tunnel	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_125		Coking Coal Storage Facility Conveyor V02 1350 Wide. Details Of Incliner Stringer Modules St-15,16,17 And 18 Coking Coal Storage Facility Conveyor V02 1350 Wide. Details Of Incliner Stringer Modules St-15,16,17 And 18	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_201	5	Coking Coal Storage Facility. Conveyor. V02 1350 Wide-2,3m/Sec. Arrangement Of (Phase 2) Installation Conveyor. V02 1350 Wide-2,3m/Sec. Arrangement Of (Phase 2) Installation	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_205	4	Coking Coal Storage Facility. Conv. No. V02 (Phase 2) 1350 Belt width Arrangement and Details of Take-Up Guards Conv. No. V02 (Phase 2) 1350 Belt width Arrangement and Details of Take-Up Guards	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_206	4	Coking Coal Storage Facility. Conv. No. V02 (Phase 2) 1350 Belt width. Arrangement And Details of Horizontal Take-Up Structure. Conv. No. V02 (Phase 2) 1350 Belt width. Arrangement And Details of Horizontal Take-Up Structure.	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_132	2	Coking Coal Storage Facility. Conv. No. V02-1350 Wide. Travelling Vibro feeder Trolleys Details of Grating Conv. No. V02-1350 Wide. Travelling Vibro feeder Trolleys Details of Grating	V02 Conveyor	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
HED407_1037		Coking Coal Storage Facility Richards Bay. General Arrangement and Details Conveyor V02 General Arrangement and Details Conveyor V02	Coking Coal Storage	Mechanical	Bosch Projects (Pty) Ltd
541_V02_107	2	Coking Coal Storage Facility Conveyor V02 - 1350 Wide Arrgt. And Details of Vibrating Feeder Discharge Chute Coking Coal Storage Facility Conveyor V02 - 1350 Wide Arrgt. And Details of Vibrating Feeder Discharge Chute	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_GEN_114	2	Portnet Richards Bay. Coking Coal Storage Facility Conveyors H00, H01, V01. V02 Flat Return Idlers Detail of Support Cleats Coking Coal Storage Facility Conveyors H00, H01, V01. V02 Flat Return Idlers Detail of Support Cleats	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_GEN_108	2	Portnet Richards Bay. Coking Coal Storage Facility Conveyors G1: F1: H00, H01, V01, V02 Details of HD Bolt Packs and Chemical Anchor Schedule Coking Coal Storage Facility Conveyors G1: F1: H00, H01, V01, V02 Details of HD Bolt Packs and Chemical Anchor Schedule	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_GEN_117	5	Portnet Richards Bay. Coking Coal Storage Facility Conveyors V01 And V02 Details of HD Bolt Packs Chemical Anchor Schedule Phase 2 Coking Coal Storage Facility Conveyors V01 And V02 Details of HD Bolt Packs Chemical Anchor Schedule Phase 2	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
S_1081_3		Portnet Richard's Coking Coal Storage. Coking Coal Storage V01 And V02 Conveyors Deluge System Coking Coal Storage V01 And V02 Conveyors Deluge System	Coking Coal Storage	Mechanical	Country Contracts Cc



DESCRIPTION OF THE WORKS: Dismantling of Bateman Train Loadout Station and Dismantling of H,V,U gallery steel structures, H&V transfer tower, Grindrod transfer tower, Foskor transfer tower in the Port of Richards Bay

DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
541_V02_117	2	Port Of Richards Bay Coking Coal Storage Facility Conveyor No V02 1350 Belt width Arrangement of Take Up Tower Coking Coal Storage Facility Conveyor No V02 1350 Belt width Arrangement of Take Up Tower	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
541_V02_100	C	Portnet Richards Bay Coking Coal Storage Facility Conveyor V02 1350 Wide 2.3m/Sec General Arrangement Coking Coal Storage Facility Conveyor V02 1350 Wide 2.3m/Sec General Arrangement	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
HED 407_1037		Coking Coal Storage Facility General Arrangement and Details Conveyor V02 Coking Coal Storage Facility General Arrangement and Details Conveyor V02	Coking Coal Storage	Mechanical	Bosch Projects (Pty) Ltd
541_V02_105	4	Port Of Richards Bay Coking Coal Storage Facility Conveyor V02 Arrgt of Front & Rear Travelling Vibro feeders Coking Coal Storage Facility Conveyor V02 Arrgt Of Front & Rear Travelling Vibro feeders	Coking Coal Storage	Mechanical	Koch Sa (Pty)Ltd Matrerial Handling System
2006_HQ1688_V02_001		Richards Bay Port. Conveyor V02 Take-Up Cover Plate Details. Richards Bay Port. Conveyor V02 Take-Up Cover Plate Details.	V02 Conveyor		Hokmah
554P133E2630102		Third Import Route Conveyor H02_H00_V01_V02_G02_X11 Third Import Route Conveyor H02_H00_V01_V02_G02_X11	3rd Import Route	Electrical	
V2		V2 Conveyor Schematic Diagram V2 Conveyor Schematic Diagram	V2 Conveyor	Mechanical	Unknown
RB_1012		Workshop (Mech) Richards Bay Horizontal Pipe Connecting Flanges V1/V2 Horizontal Pipe Connecting Flanges V1/V2	Hitatchi	Mechanical	Portnet Richards Bay
RB1012_9_10		Horizontal Pipes Connection Flanges V1 V2 Horizontal Pipes Connection Flanges V1 V2	Hitatchi	Mechanical	Portnet Richards Bay
RB_1012		Workshop (Mech) Richards Bay. Horizontal Pipe Connecting Flanges V1/V2 Horizontal Pipe Connecting Flanges V1/V2	Rb	Mechanical	Portnet Richards Bay



DESCRIPTION OF THE WORKS: Dismantling of Bateman Train Loadout Station and Dismantling of H,V,U gallery steel structures, H&V transfer tower, Grindrod transfer tower, Foskor transfer tower in the Port of Richards Bay

Appendix 9 H&V Transfer House Drawing register

DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
SCP334_2309_20_298		CV H01, CVH02, CVH05 Chute General Arrangements	H&V Transfer House	Structural	Knight Piesold Consulting Engineers
SCP12236_1101_019-007		CV H02/CV H05 Conveyor Split Sheeting Elevations	H&V Transfer House	Structural	Bosch Projects
SCP12905_1101_019_280		CV H02/CV H05 Conveyor Split, Plan @ Lvl 12110	H&V Transfer House	Civil/Structural	Bosch Projects
SCP12906_1101_019_281		CV H02/CV H05 Conveyor Split, Plan @ Lvl 16750	H&V Transfer House	Civil/Structural	Bosch Projects
SCP12907_1101_019_282		CV H02/CV H05 Conveyor Split, Plan @ Lvl 21110	H&V Transfer House	Civil/Structural	Bosch Projects
SCP12908_1101_019_283		CV H02/CV H05 Conveyor Split, Plan @ Lvl 25305	H&V Transfer House	Civil/Structural	Bosch Projects
SCP12909_1101_019_284		CV H02/CV H05 Conveyor Split, Elevation @ Gridline T1 & T2/3	H&V Transfer House	Civil/Structural	Bosch Projects
SCP12910_1101_019_285		CV H02/CV H05 Conveyor Split, Elevation @ Gridline T4	H&V Transfer House	Civil/Structural	Bosch Projects
SCP12914_1101_019_271		CV H02/CV H05 Conveyor Split, Concrete FLR. @ Lvl 16,750 & Lvl 22,055	H&V Transfer House	Civil/Structural	Bosch Projects
SCP13098_1101_019_286		CV H02/CV H05 Conveyor Split, Elevation @ Gridline TD & TA	H&V Transfer House	Structural	Bosch Projects
SCP13099_1101_019_287		CV H02/CV H05 Conveyor Split, Elevation @ Gridline TB & TC	H&V Transfer House	Civil/Structural	Bosch Projects
SCP13100_1101_019_288		CV H02/CV H05 Conveyor Split, Steel Connection Details	H&V Transfer House	Structural	Bosch Projects
SCP13101_1101_019_289		CV H02/CV H05 Conveyor Split, Roof Plan	H&V Transfer House	Structural	Bosch Projects
SCP13102_1101_019_272		CV H02/CV H05 Conveyor Split, Concrete FLR. @ Lvl 25,305	H&V Transfer House	Civil/Structural	Bosch Projects



DESCRIPTION OF THE WORKS: Dismantling of Bateman Train Loadout Station and Dismantling of H,V,U gallery steel structures, H&V transfer tower, Grindrod transfer tower, Foskor transfer tower in the Port of Richards Bay

SCP9550_1101_019_170		CV H02/CV H05 Conveyor Split, Sheeting Elevations - External	H&V Transfer House	Structural	Bosch Projects
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Appendix 10 Grindrod Transfer House Drawing register

DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
1101_29_210_2435		Grindrod Transfer Tower- Structural Steelwork Sections & Details	Grindrod Transfer House	Structural	Bosch Projects
1101_29_211_2439		Grindrod Transfer Tower- Structural Steelwork GA - Sections	Grindrod Transfer House	Structural	Bosch Projects
1101_29_212_2440		Grindrod Transfer Tower- Structural Steelwork Sections Cladding Arrangement - Elevations	Grindrod Transfer House	Structural	Bosch Projects
1101_29_213_2444		Grindrod Transfer Tower- Concrete Floors, General Arrangement - Plan	Grindrod Transfer House	Civil/Structural	Bosch Projects
1101_29_214_2445		Grindrod Transfer Tower- Cladding Arrangement - Elevations	Grindrod Transfer House	Structural	Bosch Projects

Appendix 11 Foskor Transfer House Drawing register

DRAWING NUMBER	REV	DRAWING DESCRIPTION / TITLE	SERIES	DISCIPLINE	CONSULTANT / SERVICE PROVIDER
1101_29-215_2446		Foskor Transfer Tower Civil & Structural Steelwork - General Arrangement	Foskor Transfer House	Civil/Structural	Bosch Projects

ANNEXURE B

SBD 6.2

DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This Standard Bidding Document (SBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) makes provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, where in the award of bids local production and content is of critical importance, such bids must be advertised with the specific bidding condition that only locally produced goods, services or works or locally manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. In terms of Regulation 16(2) of the Preferential Procurement Regulations, 2017, any sector designated and minimum threshold determined for local production and content for purposes of regulation 9 of the 2011 Regulations and in force immediately before the repeal of the 2011 Regulations, are regarded as having been done under regulation 8(1) of the 2017 Regulations.
- 1.4. Where necessary, for bids referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.5. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.6. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

x is the imported content in Rand

y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as indicated in paragraph 4.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on <http://www.thedti.gov.za/industrial development/ip.jsp> at no cost.

- 1.7. A bid will be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;

2. The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
Steel Products and components for Construction (Steel frames)	100%

4. Does any portion of the services, works or goods offered have any imported content?
(***Tick applicable box***)

YES		NO	
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- 4.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency at 12:00 on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on www.reservebank.co.za

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

5. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the AO/AA provide directives in this regard.

LOCAL CONTENT DECLARATION
(REFER TO ANNEX B OF SATS 1286:2011)

LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)

IN RESPECT OF BID NO. TPT/2022/06/0326/6155/RFP

ISSUED BY: TRANSNET PORT TERMINALS- RICHARDS BAY

NB

- 1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.
- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on http://www.thdti.gov.za/industrial_development/ip.jsp. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, (full names), do hereby declare, in my capacity as of (name of bidder entity), the following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
 - (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and
- (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 1286:2011	

- (d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 14 of the Preferential Procurement Regulations, 2017 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE: _____

DATE: _____

WITNESS No. 1 _____

DATE: _____

WITNESS No. 2 _____

DATE: _____

Annex C

Local Content Declaration - Summary Schedule

(C1) Tender No. TPT/2022/06/0326/6155/RFP

(C2) Tender description: FOR THE PROVISION OF DISMANTLING OF BATEMAN TRAIN LOADDOUT STATION AND DISMANTLING OF H,V,U GALLERY STEEL STRUCTURES, H&V TRANSFER TOWER, GRINDROD TRANSFER TOWER AND FOSKOR TRANSFER TOWER AT THE PORT OF RICHARDS BAY TRANSNET SOC LTD (REG. NO 1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS (HEREINAFTER REFERRED TO AS "TPT"), AS A ONCE OFF SUPPLY.

(C3) Designated product(s) Steel Products and Components for Construction

(C4) Tender Authority: TRANSNET PORT TERMINALS

(C5) Tendering Entity name:

(C6) Tender Exchange Rate: Pula EU GBP

(C7) Specified local content % 100%

Note: VAT to be excluded from all calculations

Calculation of local content							
Tender item no's	List of items	Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	Local content % (per item)
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)
	Steel Frames (Protection of Power & Control Cables)						

Tender summary			
Tender Qty	Total tender value	Total exempted imported content	Total Imported content
(C16)	(C17)	(C18)	(C19)

(C20) Total tender value R 0

(C21) Total Exempt imported content R 0

(C22) Total Tender value net of exempt imported content R 0

(C23) Total Imported content R 0

(C24) Total local content R 0

(C25) Average local content % of tender

Signature of tenderer from Annex B

Date: _____

Annex D

Imported Content Declaration - Supporting Schedule to Annex C

(D1) Tender No. _____

(D2) Tender description: _____

(D3) Designated Products: _____

(D4) Tender Authority: _____

(D5) Tendering Entity name: _____

(D6) Tender Exchange Rate: _____ Pula _____

Note: VAT to be excluded from all calculations

EU R 9.00 GBP R 12.00

A. Exempted imported content

				Calculation of imported content						Summary	
Tender item no's	Description of imported content	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Exchange Rate	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT	Tender Qty	Exempted imported value
(D7)	(D8)	(D9)	(D10)	(D11)	(D12)	(D13)	(D14)	(D15)	(D16)	(D17)	(D18)
(D19) Total exempt imported value										R 0	
This total must correspond with Annex C - C 21											

B. Imported directly by the Tenderer

				Calculation of imported content						Summary	
Tender item no's	Description of imported content	Unit of measure	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Rate of Exchange	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT	Tender Qty	Total imported value
(D20)	(D21)	(D22)	(D23)	(D24)	(D25)	(D26)	(D27)	(D28)	(D29)	(D30)	(D31)
(D32) Total imported value by tenderer										R 0	

C. Imported by a 3rd party and supplied to the Tenderer

				Calculation of imported content						Summary	
Description of imported content	Unit of measure	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Rate of Exchange	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT	Quantity imported	Total imported value
(D33)	(D34)	(D35)	(D36)	(D37)	(D38)	(D39)	(D40)	(D41)	(D42)	(D43)	(D44)
(D45) Total imported value by 3rd party										R 0	

D. Other foreign currency payments

			Calculation of foreign currency payments		Summary of payments	
Type of payment	Local supplier making the payment	Overseas beneficiary	Foreign currency value paid	Tender Rate of Exchange	Local value of payments	
(D46)	(D47)	(D48)	(D49)	(D50)	(D51)	

Signature of tenderer from Annex B

(D52) Total of foreign currency payments declared by tenderer and/or 3rd party

(D53) Total of imported content & foreign currency payments - (D32), (D45) & (D52) above

Date: _____

This total must correspond with Annex C - C 23

Annex E

Local Content Declaration - Supporting Schedule to Annex C

(E1)	Tender No.	
(E2)	Tender description:	
(E3)	Designated products:	
(E4)	Tender Authority:	
(E5)	Tendering Entity name:	

Note: VAT to be excluded from all calculations

Local Products (Goods, Services and Works)	Description of items purchased	Local suppliers	Value
	(E6)	(E7)	(E8)
(E9) Total local products (Goods, Services and Works)			R 0

(E10) **Manpower costs** (Tenderer's manpower cost) R 0

(E11) **Factory overheads** (Rental, depreciation & amortisation, utility costs, consumables etc.) R 0

(E12) **Administration overheads and mark-up** (Marketing, insurance, financing, interest etc.) R 0

(E13) Total local content R 0

This total must correspond with Annex C - C24

Signature of tenderer from Annex B

Date: _____

T2.2 - 1 ELIGIBILITY CRITERIA

Tenderers to submit the following:

1. Heavy Equipment, structures Demolishing and Rigging Experience

The service provider must have proven capability in dismantling and rigging of heavy equipment and structures. The service provider is to provide 3 contactable references of work carried out in the past 5 years of a similar nature. Similar nature is defined as damaged infrastructure where stability is unknown (necessary rigging and engineering studies to be completed)

The references must specify the project name or plant where work was completed; date of shutdown or project and the weights lifted.

Attached submissions to this schedule:

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Signed	Date
Name	Position
Tenderer		

T2.2 - 2 Company Accreditation with LEEASA

1. Member of LEEASA

Furthermore, to show that service providers are well knowledgeable/informed of any lifting equipment requirements/changes, for this reason a service provider is requested to submit a certificate to prove that, the service provider is a member of LEEASA (Lifting equipment Engineering Association of South Africa).

Attached submissions to this schedule:

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Signed Date

Name Position

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TRANSNET PORT TERMINALS
ENQUIRY / CONTRACT NUMBER

DESCRIPTION OF THE WORKS: Part Dismantling of Bateman Train Loadout Station (Minimum Requirement Guideline) and
Dismantling of Bateman Train Loadout Station and Dismantling of H,V,U gallery steel structures, H&V transfer tower, Grindrod
transfer tower and Foskor transfer tower in the Port of Richards Bay

T2.2 - 3 ELIGIBILITY CRITERIA

Tenderers to submit the following CVs:

1. Professional Engineer

The service provider is required to appoint a registered structural engineer with a min of 10 years' experience in dismantling and demolishing designs to signoff all demolishing plans and temporal works that is required. The engineer will need to certify the tie in, intersection points of structures that needs to remain and demolished. Transnet is planning to reuse sections or portions of the structures that has not been condemned by structural engineer report therefor total care is required during the demolition not to cause additional damages on the remaining structures.

The service provider to submit CV and qualifications of the professional engineer with registrations.

2. Electrical Tradesman

The service provider is required to appoint an Electrical Tradesman with a min of 5 years' experience in similar types of works, to test all remaining cables in the area of the works and signoff as safe, prior to the works commencing.

The electrician will be required to remove all redundant cables from the equipment up to the substation. The electrician is required to protect the current temporal cables on the ground as per the scope of works that enables Transnet to continue with operational requirements.

Attached submissions to this schedule:

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Signed Date

Name Position

Tenderer

TRANSNET PORT TERMINALS
ENQUIRY / CONTRACT NUMBER

DESCRIPTION OF THE WORKS: Part Dismantling of Bateman Train Loadout Station (Minimum Requirement Guideline) and Dismantling of Bateman Train Loadout Station and Dismantling of H,V,U gallery steel structures, H&V transfer tower, Grindrod transfer tower and Foskor transfer tower in the Port of Richards Bay

T2.2 - 4 Method Statement

The service provider is to provide a method statement indicating how they intend to deliver Part Dismantling of Bateman Tower, Dismantling of H, V, U gallery steel structures, H, V and U transfer tower, Grindrod transfer tower and Foskor transfer tower scope requirements. This method statement should show that the tenderer understands the scope of work and should entail the step by step process that will be followed to execute the project.

The resources, the different methods that will be used to assess the fire damaged galleries, continuous dismantling and the responsibilities of the different individuals in the project team must be included.

The contractor's method statement to include preparation work before taking occupation of the site. The method statement should continue until the completion of Dismantling of H, V, U gallery steel structures, H, V and U transfer tower, Grindrod transfer tower and Foskor transfer tower

Attached submissions to this schedule:

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Signed

Date

Name

Position

Tenderer

T2.2 - 5 ELIGIBILITY CRITERIA

Tenderers to submit the following:

1. Competency and Experience of the rigging Supervisors

The service provider is expected to confirm the competency of the rigging Supervisors by submitting certified copies of rigging trade tests certificates from recognised institutions and Supervisors experience by submission of CV's. The service provider is expected to supply three (3x) rigging Supervisors with at least eight (8) years of rigging.

Attached submissions to this schedule:

[illegible]

Signed _____ Date _____

Name	Position
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Tenderer

T2.2 - 6 Construction delivery lead time

Capacity and ability to deliver on time in accordance with the Employer's programme is a vital requirement of this contract. The Tenderers must submit a complete level 02 schedule for Lead time from plant occupation award to completion and handover. During the Part Dismantling of Bateman Tower, Dismantling of H, V, U gallery steel structures, H, V and U transfer tower, Grindrod transfer tower and Foskor transfer tower, Tenderers to show the duration of major activities when plant occupation is granted to start the preparations and dismantling works.

The Tenderer must comprehensively identify all probable and unlikely risks to the construction delivery schedule, mitigating measures that could be put in place. The Tenderer must also identify all contingency plans that could be put in place to address possible unforeseen problems in availability of materials, labour, delivery of plant, working at night etc.

The programme must be in the form of a bar chart, clearly indicating key dates for progress measurements and will identify all milestones.

Attached submissions to this schedule:

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Signed

Date

Name

Position

MASTER AGREEMENT

entered into by and between

TRANSNET SOC LTD

and

.....

FOR THE PROVISION OF :

FOR THE PROVISION OF DISMANTLING OF BATEMAN TRAIN LOADDOUT STATION AND DISMANTLING OF H,V,U GALLERY STEEL STRUCTURES, H&V TRANSFER TOWER, GRINDROD TRANSFER TOWER AND FOSKOR TRANSFER TOWER AT THE PORT OF RICHARDS BAY TRANSNET SOC LTD (REG. NO 1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS (HEREINAFTER REFERRED TO AS "TPT"), AS A ONCE OFF SUPPLY.

Agreement Number	TPT/2022/06/0326/6155/RFP
Commencement Date	TBC
Expiry Date	TBC

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Agreement between Transnet and
FOR THE PROVISION OF DISMANTLING OF BATEMAN TRAIN LOADDOUT STATION AND DISMANTLING OF H,V,U GALLERY
STEEL STRUCTURES, H&V TRANSFER TOWER, GRINDROD TRANSFER TOWER AND FOSKOR TRANSFER TOWER AT THE PORT
OF RICHARDS BAY TRANSNET SOC LTD (REG. NO 1990/000900/30) OPERATING AS TRANSNET PORT TERMINALS
(HEREINAFTER REFERRED TO AS "TPT"), AS A ONCE OFF SUPPLY.

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ANNEXURE A – SCOPE OF WORKS

1 INTRODUCTION

This Agreement is entered into by and between:

Transnet SOC Ltd [Registration Number 1990/000900/30] whose registered address is Transnet Port
Terminals, 202 Anton Lembede Street, Durban Central, 4001, Republic of South Africa [**Transnet**]

and

..... [Registration Number] whose registered address is
..... [**the Service Provider**].

NOW THEREFORE, IT IS AGREED:

- 1.1 Transnet hereby appoints the Service Provider to provide, and Transnet undertakes to accept the provision of Services provided for herein, as formally agreed between the Parties and in accordance with the Schedule of Requirements / Work Orders issued as a schedule to this Agreement; and
- 1.2 the Service Provider hereby undertakes to provide the Services provided for herein, as formally agreed between the Parties and in accordance with the Schedule of Requirements issued as a schedule to this Agreement.

2 DEFINITIONS

Where the following words or phrases are used in this Agreement, such words or phrases shall have the meaning assigned thereto in this clause, except where the context clearly requires otherwise:

- 2.1 **AFSA** means the Arbitration Foundation of South Africa;
- 2.2 **Agreement** means this Agreement and its associated schedules and/or annexures and/or appendices, and/or schedules, including the Schedule of Requirements, the technical specifications for the Services and such special conditions as shall apply to this Agreement, together with the General Tender Conditions and any additional provisions in the associated bid documents tendered by the Service Provider [as agreed, in writing, between the Parties], which collectively and exclusively govern the provision of Services and provision of ancillary Services by the Service Provider to Transnet;
- 2.3 **Background Intellectual Property** means all Intellectual Property introduced and required by either Party to give effect to their obligations under this Agreement owned in whole or in part by or licensed to either Party or their affiliates prior to the Commencement Date or developed after the Commencement Date otherwise pursuant to this Agreement;
- 2.4 **Business Day(s)** means Mondays to Fridays between 07:30 and 16:00, excluding public holidays as proclaimed in South Africa;
- 2.5 **Commencement Date** means **(date to be communicated)**, notwithstanding the signature date of this Agreement;
- 2.6 **Confidential Information** means any information or other data, whether in written, oral, graphic or in any other form such as in documents, papers, memoranda, correspondence, notebooks,

reports, drawings, diagrams, discs, articles, samples, test results, prototypes, designs, plans, formulae, patents, or inventor's certificates, which a Party discloses or provides to the other Party [intentionally or unintentionally, or as a result of one Party permitting the representative of the other Party to visit any of its premises], or which otherwise becomes known to a Party, and which is not in the public domain and includes, without limiting the generality of the term:

- a) information relating to methods of operation, data and plans of the disclosing Party;
- b) the contents of this Agreement;
- c) private and personal details of employees or clients of the disclosing Party or any other person where an onus rests on the disclosing Party to maintain the confidentiality of such information;
- d) any information disclosed by either Party and which is clearly marked as being confidential or secret;
- e) information relating to the strategic objectives and planning of the disclosing Party relating to its existing and planned future business activities;
- f) information relating to the past, present and future research and development of the disclosing Party;
- g) information relating to the business activities, business relationships, products, services, customers, clients and Subcontractors of the disclosing Party where an onus rests on the disclosing Party to maintain the confidentiality of such information;
- h) information contained in the software and associated material and documentation belonging to the disclosing Party;
- i) technical and scientific information, Know-How and trade secrets of a disclosing Party including inventions, applications and processes;
- j) Copyright works;
- k) commercial, financial and marketing information;
- l) data concerning architecture, demonstrations, tools and techniques, processes, machinery and equipment of the disclosing Party;
- m) plans, designs, concepts, drawings, functional and technical requirements and specifications of the disclosing Party;
- n) information concerning faults or defects in Goods, equipment, hardware or software or the incidence of such faults or defects; and
- o) information concerning the charges, fees and/or costs of the disclosing Party or its authorised Subcontractors, or their methods, practices or service performance levels actually achieved;

2.7 **Copyright** means the right in expressions, procedures, methods of operations or mathematical concepts, computer program codes, compilations of data or other material, literary works, musical works, artistic works, sound recordings, broadcasts, program carrying signals, published editions, photographic works, or cinematographic works of the copyright owner to do or to authorise the doing of certain acts specified in respect of the different categories of works;

- 2.8 **Data** means all data, databases, documents, information, graphics, text or other material in an electronic or tangible medium which the Parties to this Agreement generate, collect, process, store or transmit in relation to their business;
- 2.9 **Designs** mean registered Designs and/or Design applications and will include the monopoly right granted for the protection of an independently created industrial design including designs dictated essentially by technical or functional considerations as well as topographies of integrated circuits and integrated circuits;
- 2.10 **Expiry Date** means **(date to be communicated)**;
- 2.11 **Foreground Intellectual Property** means all Intellectual Property developed by either Party pursuant to this Agreement;
- 2.12 **ICC Incoterms** means the the latest version of commercial trade terms as published by the International Chamber of Commerce, Paris [ICC], which are otherwise referred to as purchase terms and which define precisely the responsibilities, costs and risks of the buyer [**Transnet**] and the seller [**the Service Provider**]. Incoterms are only applicable to contracts involving the import or export of Goods from one country to another and for the purpose of this Agreement, if applicable, shall mean the designated Incoterm as stipulated in Schedule 1 hereto. Further details of the Incoterm [purchase terms] for this Agreement, if applicable, can be viewed at the International Business Training website - <http://www.i-b-t.net/incoterms.html>;
- 2.13 **Intellectual Property** means Patents, Designs, Know-How, Copyright and Trade Marks and all rights having equivalent or similar effect which may exist anywhere in the world and includes all future additions and improvements to the Intellectual Property;
- 2.14 **Know-How** means all Confidential Information of whatever nature relating to the Intellectual Property and its exploitation as well as all other Confidential Information generally relating to Transnet's field of technology, including technical information, processing or manufacturing techniques, Designs, specifications, formulae, systems, processes, information concerning materials and marketing and business information in general;
- 2.15 **Parties** mean the Parties to this Agreement together with their subsidiaries, divisions, business units, successors-in-title and assigns;
- 2.16 **Party** means either one of these Parties;
- 2.17 **Patents** mean registered Patents and Patent applications, once the latter have proceeded to grant, and includes a right granted for any inventions, products or processes in all fields of technology;
- 2.18 **Permitted Purpose** means any activity or process to be undertaken or supervised by a Staff member of one Party during the term of this Agreement, for which purpose authorised disclosure of the other Party's Confidential Information or Intellectual Property is a prerequisite in order to enable such activity or process to be accomplished;
- 2.19 **Price(s)** means the agreed Price(s) for the Services to be purchased from the Service Provider by Transnet, as detailed in the Schedule of Requirements, issued in accordance with this Agreement, as amended by mutual agreement between the Parties and in accordance with the terms and conditions in this Agreement from time to time;

- 2.20 **Purchase Order(s)** means official orders issued by an operating division of Transnet to the Service Provider for the supply of Services;
- 2.21 **Service(s)** means as per the Scope of works, the Service(s) provided to Transnet by the Service Provider, pursuant to the Work Order(s) in terms of this Agreement;
- 2.22 **Service Level Agreement** or **SLA** means the processes, deliverables, key performance indicators and performance standards relating to the Services to be provided by the Service Provider;
- 2.23 **Service Provider Materials** means all works of authorship, products and materials [including, but not limited to, data, diagrams, charts, reports, specifications, studies, inventions, software, software development tools, methodologies, ideas, methods, processes, concepts and techniques] owned by, or licensed to, the Service Provider prior to the Commencement Date or independently developed by the Service Provider outside the scope of this Agreement at no expense to Transnet, and used by the Service Provider in the performance of the Services;
- 2.24 **Staff** means any partner, employee, agent, consultant, independent associate or contractor, Subcontractor and the staff of such Subcontractor, or other authorised representative of either Party;
- 2.25 **Schedule of Requirements** means Schedule 1 hereto;
- 2.26 **Subcontract** means any contract or agreement or proposed contract or agreement between the Service Provider and any third party whereby that third party agrees to provide to the Service Provider the related Services or any part thereof or material used in the manufacture of the Goods or any part thereof;
- 2.27 **Subcontractor** means the third party with whom the Service Provider enters into a Subcontract;
- 2.28 **Tax Invoice** means the document as required by Section 20 of the VAT Act, as may be amended from time to time;
- 2.29 **Trade Marks** mean registered Trade Marks and Trade Mark applications and include any sign or logo, or combination of signs and/or logos capable of distinguishing the services of one undertaking from those of another undertaking;
- 2.30 **VAT** means Value-Added Tax chargeable in terms of the VAT Act, 89 of 1991, as may be amended from time to time; and
- 2.31 **VAT Act** means the Value Added Tax Act, No 89 of 1991, as may be amended from time to time.
- 2.32 **Work Order(s)** means a detailed scope of work for a Service required by Transnet, including **timeframes**, Deliverable, Fees and costs for the supply of the Service to Transnet, which may be appended to this Agreement from time to time.
- 2.33 **TBC** means "to be communicated at award stage"

3 INTERPRETATION

- 3.1 Clause headings in this Agreement are included for ease of reference only and do not form part of this Agreement for the purposes of interpretation or for any other purpose. No provision shall be construed against or interpreted to the disadvantage of either Party hereto by reason of such Party having or being deemed to have structured or drafted such provision.

- 3.2 Any term, word or phrase used in this Agreement, other than those defined under the clause heading "*Definitions*" shall be given its plain English meaning, and those terms, words, acronyms, and phrases used in this Agreement will be interpreted in accordance with the generally accepted meanings accorded thereto.
- 3.3 A reference to the singular incorporates a reference to the plural and *vice versa*.
- 3.4 A reference to natural persons incorporates a reference to legal persons and *vice versa*.
- 3.5 A reference to a particular gender incorporates a reference to the other gender.

4 NATURE AND SCOPE

- 4.1 This Agreement is an agreement under the terms and conditions of which the Service Provider will arrange for the provision to Transnet of the Services which meet the requirements and specifications of Transnet, the delivery of which is controlled by means of Purchase Orders to be issued by Transnet and executed by the Service Provider in accordance with this Agreement.
- 4.2 Such Purchase Orders and deliveries to Transnet shall be agreed between the Parties from time to time, subject to the terms of the Schedule of Requirements/Work Order.
- 4.3 Each properly executed Purchase Order forms an inseparable part of this Agreement as if it were fully incorporated into the body of this Agreement.
- 4.4 During the period of this Agreement, both Parties can make written suggestions for amendments to the Schedule of Requirements/Work Orders in accordance with procedures set out in clause 41 [*Amendment and Change Control*]. A Party will advise the other Party within 14 [fourteen] Business Days, or such other period as mutually agreed, whether the amendment is acceptable.
- 4.5 Insofar as any term, provision or condition in the Schedule of Requirements/Work Order conflicts with a like term, provision or condition in this Agreement and/or a Purchase Order, the term or provision or condition in this Master Agreement shall prevail, unless such term or provision or condition in this Master Agreement has been specifically revoked or amended by mutual written agreement between the Parties.
- 4.6 Time will be of the essence and the Service Provider will perform its obligations under this Agreement in accordance with the timeframe(s) [if any] set out in the relevant schedule, save that the Service Provider will not be liable under this clause if it is unable to meet such obligation within the time required as a direct result of any act or omission by Transnet and it has used its best endeavours to advise Transnet of such act or omission. In the event of such delay, any time deadlines detailed in the relevant schedule shall be extended by a period equal to the period of that delay.

5 AUTHORITY OF PARTIES

- 5.1 Nothing in this Agreement will constitute or be deemed to constitute a partnership between the Parties, or constitute or be deemed to constitute the Parties as agents or employees of one another for any purpose or in any form whatsoever.
- 5.2 Neither Party shall be entitled to, or have the power or authority to:
 - a) enter into an agreement in the name of the other; or

- b) give any warranty, representation or undertaking on the other's behalf; or
- c) create any liability against the other or bind the other's credit in any way or for any purpose whatsoever.

6 DURATION/TERM AND CANCELLATION

- 6.1 Notwithstanding the date of signature hereof, the Commencement Date if this Agreement is (TBC) and the duration shall be for a TBC [TBC] year period, expiring on TBC, unless:
- a) this Agreement is terminated by either Party in accordance with the provisions incorporated herein or in any schedules or annexures appended hereto, or otherwise in accordance with law or equity; or
 - b) this Agreement is extended at Transnet's option for a further period to be agreed by the Parties.
- 6.2 Notwithstanding clause 28.8 [*Breach and Termination*], either Party may cancel this Agreement without cause by giving 14[fourteen] calendar days prior written notice thereof to the other Party, provided that in such instance, this Agreement will nevertheless be applicable in respect of all Purchase Orders which have been placed prior to the date of such cancellation.

7 RISK MANAGEMENT

- 7.1 Where Transnet determines appropriate, within 2 weeks from the date of contract signature, the Parties are to meet to prepare and maintain a contract Risk Register. The Risk Register shall include a description of the risks and a description of the actions which are to be taken to avoid or reduce these risks which both Parties shall jointly determine.
- 7.2 Contract progress meetings shall be held monthly, or unless otherwise agreed between the Parties in writing. The purposes of these progress meetings shall be to capture the number of late deliverables against agreed milestones, actual costs against payment plans, performance issues or concerns, contract requirements not achieved, the status of previous corrective actions and risk management. Minutes of meetings shall be maintained and signed off between the Parties throughout the contract period

8 TRANSNET'S OBLIGATIONS

- 8.1 Transnet undertakes to promptly comply with any reasonable request by the Service Provider for information, including information concerning Transnet's operations and activities, that relates to the Services as may be necessary for the Service Provider to provide the Services, but for no other purpose. However, Transnet's compliance with any request for information is subject to any internal security rules and requirements and subject to the observance by the Service Provider of its confidentiality obligations under this Agreement.
- 8.2 The Service Provider shall give Transnet reasonable notice of any information it requires.
- 8.3 Transnet agrees to provide the Service Provider or its Personnel such access to and use of its facilities as is necessary to allow the Service Provider to perform its obligations under this Agreement.

9 GENERAL OBLIGATIONS OF THE SERVICE PROVIDER

9.1 The Service Provider shall:

- a) respond promptly to all complaints and enquiries from Transnet;
- b) inform Transnet immediately of any dispute or complaint arising in relation to the storage or delivery of the Goods;
- c) conduct its business in a professional manner which will reflect positively upon the Service Provider and the Service Provider's products/services;
- d) keep full records clearly indicating all transactions concluded by the Service Provider relating to the delivery of the Services and keep such records for at least 5 [five] years from the date of each such transaction;
- e) obtain, and at all times maintain in full force and effect, any and all licences, permits and the like required under applicable laws for the provision of the Services and ancillary Services and the conduct of the business and activities of the Service Provider;
- f) observe and ensure compliance with all requirements and obligations as set out in the labour and related legislation of South Africa, including the Occupational Health and Safety Act, 85 of 1993, as may be amended from time to time;
- g) observe and ensure compliance with all requirements and objectives of the Transnet Supplier Integrity Pact as agreed to in response to the RFP. The general purpose of the Supplier Integrity Pact is to agree to avoid all forms of dishonesty, fraud and corruption by following a system that is fair, transparent and free from any undue influence prior to, during and subsequent to the currency of the procurement event leading to this Agreement and this Agreement itself;
- h) comply with all applicable environmental legislation and regulations, demonstrate sound environmental performance and have an environmental management policy which ensures that its products, including the Services or ancillary Services are procured, produced, packaged, delivered and are capable of being used and ultimately disposed of in a way that is environmentally appropriate; and
- i) ensure the validity of all renewable certifications, including but not limited to its B-BBEE Verification Certificate, throughout the entire term of this Agreement. Should the Service Provider fail to present Transnet with such renewals as they become due, Transnet shall be entitled, in addition to any other rights and remedies that it may have in terms of the Agreement, to terminate this Agreement forthwith without any liability and without prejudice to any claims which Transnet may have for damages against the Service Provider.

9.2 The Service Provider acknowledges and agrees that it shall at all times:

- a) render the supply of the Services and ancillary Services (if applicable) and perform all its duties with honesty and integrity;
- b) communicate openly and honestly with Transnet regarding the supply and performance of the Services and demonstrate a commitment to effecting the supply and performing ancillary Services timeously, efficiently and at least to the required standards;

- c) endeavour to provide the highest possible standards of service and workmanship, with a reasonable degree of care and diligence;
- d) use its best endeavours and make every diligent effort to meet agreed deadlines;
- e) treat its own Staff, as well as all Transnet's Staff, with fairness and courtesy and respect for their human rights;
- f) practice and promote its own internal policies aimed at prohibiting and preventing unfair discrimination;
- g) treat all enquiries from Transnet in connection with the supply of the Services and/or ancillary Services with courtesy and respond to all enquiries promptly and efficiently. Where the Service Provider is unable to comply with the provisions of this clause, the Service Provider will advise Transnet of the delay and the reasons therefor and will keep Transnet informed of progress made regarding the enquiry;
- h) when requested by Transnet, provide clear and accurate information regarding the Service Provider's own policies and procedures, excluding Know-How and other Confidential Information, except where a non-disclosure undertaking has been entered into between the Parties;
- i) not allow a conflict of interest to develop between its own interests [or the interests of any of its other customers] and the interests of Transnet;
- j) not accept or offer, nor allow, induce or promote the acceptance or offering of any gratuity, enticement, incentive or gift that could reasonably be regarded as bribery or an attempt to otherwise exert undue influence over the recipient;
- k) not mislead Transnet or its officers, employees and stakeholders, whether by act or omission;
- l) not otherwise act in an unethical manner or do anything which could reasonably be expected to damage or tarnish Transnet's reputation or business image;
- m) immediately report to Transnet any unethical, fraudulent or otherwise unlawful conduct of which it becomes aware in connection with Transnet or the supply of Services or ancillary Services to Transnet;
- n) ensure that at all times, during the currency of this Agreement, it complies with all obligations and commitments in terms of the provisions of the Income Tax Act, No 58 of 1962, the VAT Act or any other tax legislation relating to their liability for Income Tax, VAT, Pay as You Earn or any other tax. The Service Provider shall further ensure Tax Clearance Compliance, for the duration of this Agreement;
- o) not victimise, harass or discriminate against any employee of either Party to this Agreement or any applicant for employment with either Party to this Agreement due to their gender, race, disability, age, religious belief, sexual orientation or part-time status. This provision applies, but is not limited to employment, upgrading, work environment, demotion, transfer, recruitment, recruitment advertising, termination of employment, rates of pay or other forms of compensation and selection for training.

- p) shall ensure that its employees, agents and Subcontractors will not breach any applicable discrimination legislation and any amendments and re-enactments thereof.

9.3 In compliance with the National Railway Safety Regulator Act, 16 of 2002, as may be amended from time to time, the Supplier shall ensure that the Services and ancillary Services, to be supplied to Transnet under the terms and conditions of this Agreement, comply fully with the Specifications as set forth in Schedule 1 hereto, and shall thereby adhere [as applicable] to railway safety requirements and/or regulations. Permission for the engagement of a Subcontractor by the Supplier, as applicable, shall be subject to a review of the capability of the proposed Subcontractor to comply with the specified railway safety requirements and/or regulations. The Supplier and/or its Subcontractor shall grant Transnet access, during the term of this Agreement, to review any safety-related activities, including the coordination of such activities across all parts of its organisation.

10 SERVICE PROVIDER'S PERSONNEL

- 10.1 The Service Provider's Personnel shall be regarded at all times as employees, agents or Subcontractors of the Service Provider and no relationship of employer and employee shall arise between Transnet and any Service Provider Personnel under any circumstances regardless of the degree of supervision that may be exercised over the Personnel by Transnet.
- 10.2 The Service Provider warrants that all its Personnel will be entitled to work in South Africa or any other country in which the Services are to be performed.
- 10.3 The Service Provider will ensure that its Personnel comply with all reasonable requirements made known to the Service Provider by Transnet concerning conduct at any Transnet premises or any other premises upon which the Services are to be performed [including but not limited to security regulations, policy standards and codes of practice and health and safety requirements]. The Service Provider will ensure that such Personnel at all times act in a lawful and proper manner in accordance with these requirements.
- 10.4 Transnet reserves the right to refuse to admit or to remove from any premises occupied by or on behalf of it, any Service Provider Personnel whose admission or presence would, in the reasonable opinion of Transnet, be undesirable or who represents a threat to confidentiality or security or whose presence would be in breach of any rules and regulations governing Transnet's Personnel, provided that Transnet notifies the Service Provider of any such refusal [with reasons why]. The reasonable exclusion of any such individual from such premises shall not relieve the Service Provider from the performance of its obligations under this Agreement.
- 10.5 The Service Provider agrees to use all reasonable endeavours to ensure the continuity of its Personnel assigned to perform the Services. If any re-assignment by the Service Provider of those Personnel is necessary, or if Transnet advises that any such Personnel assigned are in any respect unsatisfactory, including where any such Personnel are, or are expected to be or have been absent for any period, then the Service Provider will promptly supply a replacement of equivalent calibre and experience, and any such replacement shall be approved by Transnet prior to commencing provision of the Services, such approval not to be unreasonably withheld or delayed.

11 SUBCONTRACTING

- 11.1 The Service Provider may only enter into a subcontracting arrangement or replace a subcontractor with the approval of Transnet.
- 11.2 If the Service Provider subcontracts a portion of the contract to another person without declaring it to Transnet reserves the right to penalise the Service Provider up to 10% of the value of the contract.
- 11.3 Where the Service Provider seeks to replace a subcontractor Transnet shall be entitled to obtain representations or input from the initial subcontractor who was part of the tender process whose credentials were used in the Service Provider's tender submission. Transnet shall consider input from all parties concerned, in order to take a decision on the proposed replacement of the subcontractor. The subcontracting arrangement or contract remains between the Service Provider (main contractor) and the subcontractor.
- 11.4 Should Transnet approve the Service Provider's subcontracting arrangement, the Service Provider and not the Sub-contractor will at all times be held liable for performance in terms of its contractual obligations.
- 11.5 The Service Provider may not subcontract in such a manner that the the overall value of the contract is reduced to below the stipulated minimum threshold.
- 11.6 The Service Provider may not subcontract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level of contributor than the Service Provider, unless the contract is subcontracted to an Exempted Micro Enterprise (EME) that has the capability and ability to execute the Subcontract.

12 PAYMENT TO SUB-CONTRACTORS

- 12.1 Transnet reserves the right, in its sole discretion, to make payment directly to the sub-contractor of the Service Provider, subject to the following conditions:
 - a) Receipt of an undisputed invoice from the sub-contractor; and
 - b) Receipt of written confirmation from the Service Provider that the amounts claimed by the sub-contractor are correct and that the services for which the sub-contractor has requested payment were rendered to the satisfaction of the Service Provider, against the required standards.
- 12.2 Nothing contained in this clause must be interpreted as bestowing on any sub-contractor a right or legitimate expectation to be paid directly by Transnet. Furthermore, this clause does not bestow any right or legitimate expectation on the Service provider to demand that Transnet pay its sub-contractor directly. The decision to pay any sub-contractor directly, remains that of Transnet alone.
- 12.3 The Service Provider remains liable for its contractual obligations under the Agreement, including all services rendered by the sub-contractor.
- 12.4 This clause does not establish any contractual relationship between Transnet and any sub-contractor of the Service Provider, whatsoever.

13 B-BBEE AND SOCIO-ECONOMIC OBLIGATIONS

13.1

B-BBEE Scorecard

- a) Transnet fully endorses and supports the Broad-Based Black Economic Empowerment Programme and is strongly of the opinion that all South African business enterprises have an equal obligation to redress the imbalances of the past.
- b) In response to this requirement, the Service Provider shall submit to Transnet's Contract Manager or such other designated person details of its B-BBEE status in terms of the latest Codes of Good Practice issued in terms of the B-BBEE Act and proof thereof at the beginning of March each year during the currency of this Agreement.
- c) The Service Provider undertakes to notify and provide full details to Transnet in the event there is:
 - (i) a change in the Service Provider's B-BBEE status which is less than what it was at the time of its appointment including the impact thereof; and
 - (ii) a corporate or internal restructure or change in control of the Service Provider which has or likely to impact negatively on the Service Provider's B-BBEE status.
- d) Notwithstanding any other reporting requirement in terms hereof, the Service Provider undertakes to provide any B-BBEE data (underlying data relating to the Service Provider which has been relied upon or utilised by a verification agency or auditor for the purposes of issuing a verification certificate in respect of the Service Provider B-BBEE status) which Transnet may request on written notice within 30 (thirty) calendar days of such request. A failure to provide such data shall constitute a Service Provider Default and may be dealt with in accordance with the provisions of clause 28.8.
- e) In the event there is a change in the Service Provider's B-BBEE status, then the provisions of clause 28.8 shall apply.

13.2

Green Economy/Carbon Footprint

- a) The Service Provider has in its bid provided Transnet with an understanding of the Service Provider's position with regard to issues such as waste disposal, recycling and energy conservation.

14 THE NATIONAL INDUSTRIAL PARTICIPATION PROGRAMME (NIPP)

- 14.1 In terms of SBD 5, the Supplier has undertaken to enter into a NIPP obligation agreement with the DTIC. In consultation with the DTIC, Transnet may monitor compliance to the NIPP obligation agreement and in the event of non-compliance by the Supplier, penalties will be applied as per paragraph 8.3 of the NIPP Guidelines as issued by the DTIC.

15 PENALTIES

15.1 Penalties for Non-compliance to Service Level Agreement

Where the Service Provider fails to deliver the Services within the agreed and accepted milestone timelines and provided that the cause of the delay was not due to a fault of Transnet, penalties shall be imposed at 10% of the milestone value limited to 5% of the total contract value.

16 FEES AND EXPENSES RELATING TO SERVICES

- 16.1 In consideration of the provision of the Services, Transnet will pay to the Service Provider the Fees detailed in the relevant schedule or Work Order.
- 16.2 Transnet will not be invoiced for materials used in the provision of the Services save for those materials [if any] set out in the Work Order and accepted by Transnet or in any relevant Work Order [which will be invoiced to Transnet at cost].
- 16.3 Unless otherwise agreed in a schedule or Work Order, Transnet will reimburse to the Service Provider all reasonable and proper expenses incurred directly and solely in connection with the provision of the Services, provided that all such expenses:
- a) are agreed by Transnet in advance;
 - b) are incurred in accordance with Transnet's standard travel and expenses policies;
 - c) are passed on to Transnet at cost with no administration fee; and
 - d) will only be reimbursed if supported by relevant receipts.
- 16.4 All Tax Invoices relating to Fees, out of pocket expenses and, if applicable, travel and accommodation costs, will provide the detail for each of the Personnel carrying out the Services and incurring the expenses, and the Tax Invoice will, where appropriate, include VAT as a separate item.

17 INVOICES AND PAYMENT

- 17.1 Transnet shall pay the Service Provider the amounts stipulated in each Work Order, subject to the terms and conditions of this Agreement.
- 17.2 Transnet shall pay such amounts to the Service Provider upon receipt of a valid and undisputed Tax Invoice together with the supporting documentation, as specified in the Schedule of Requirements appended hereto, once the valid and undisputed Tax Invoices or such portions of the Tax Invoices which are valid and undisputed become due and payable to the Service Provider for the delivery of the Services ordered, in terms of clause 17.5 below.
- 17.3 Transnet may, pending an investigation, withhold any payments to the Service Provider, in the case where irregular expenditure has been identified in the particular contract and that there is reasonable suspicion that the Service Provider is involved or was aware that the contract transgressed any legislation.
- 17.4 All Prices set out in this Agreement and the Schedule of Requirements hereto are to be indicated inclusive and exclusive of VAT, which will be payable at the applicable rate in ZAR.
- 17.5 Unless otherwise provided for in the Schedule of Requirements appended to this Agreement, Tax Invoices shall be submitted together with a month-end statement. Payment against such month-end statement shall be made by Transnet within 30 [thirty] calendar days after date of receipt by Transnet of the Service Provider's statement together with the relevant valid and undisputed Tax Invoice(s) and supporting documentation.
- 17.6 Where the payment of any Tax Invoice, or any part of a Tax Invoice which is not in dispute, is not made in accordance with this clause, the Service Provider shall be entitled to charge interest on

the outstanding amount, at The Standard Bank of South Africa's prime rate of interest in force, for the period from the due date of payment until the outstanding amount is paid.

18 PRICE ADJUSTMENTS

- 18.1 Prices for Services supplied in terms of this Agreement shall be subject to review as indicated in the Works Order annexed hereto.
- 18.2 If during the period of this Agreement Transnet can purchase similar Services of a like quality from another supplier at a total delivered cost to a Transnet facility that is lower than the total delivered cost of the Services purchased hereunder from the Service Provider, Transnet may notify the Service Provider of such total delivered cost and the Service Provider shall have an opportunity to adjust the Price of the Services purchased hereunder, on such a basis as to result in the same total delivered cost to Transnet, within 30 [thirty] calendar days of such notice. If the Service Provider fails to do so or cannot legally do so, Transnet may (i) purchase the Services from such other supplier in which case the obligations, including, but not limited to, any purchase and sale requirements and/or commitments, if any, of Transnet and the Service Provider hereunder shall be reduced accordingly; (ii) terminate this Agreement without any penalty, liability or further obligation; or (iii) continue purchases under this Agreement.
- 18.3 If during the period of this Agreement the Service Provider sells any materials which are the same as, equivalent to, or substantially similar to the Services herein, at a total delivered cost to a third party lower than the total delivered cost to a Transnet facility, then the Service Provider has an opportunity to adjust its Price for the Services purchased hereunder within 30 [thirty] calendar days so that the Price is the same or lower than the total delivered cost of such third party. If the Service Provider fails to do so or cannot legally do so, Transnet may (i) purchase the Services from any other such supplier, in which case the obligations, including, but not limited to, any purchase and sale requirements and/or commitments, if any, of Transnet and the Service Provider hereunder shall be reduced accordingly; or (ii) terminate this Agreement without any penalty, liability or further obligation. Within 30 [thirty] calendar days of the Commencement Date of this Agreement or at any time Transnet so requests, the Service Provider shall certify in writing to Transnet that it is in compliance with this clause and shall provide all information that Transnet reasonably requests in order to verify such compliance.

19 WARRANTIES APPLICABLE TO SERVICES

- 19.1 The Service Provider warrants to Transnet that:
- a) it has full capacity and authority to enter into and to perform this Agreement and that this Agreement is executed by a duly authorised representatives of the Service Provider;
 - b) it will discharge its obligations under this Agreement and any annexure, appendix or schedule hereto with all due skill, care and diligence;

- c) it will be solely responsible for the payment of remuneration and associated benefits, if any, of its Personnel and for withholding and remitting income tax for its Personnel in conformance with any applicable laws and regulations;
 - d) it will procure licences for Transnet in respect of all Third Party Material detailed in the Work Order(s), and will procure the right for Transnet to take such copies [in whole or in part] of such Third Party Materials as it may reasonably require for the purposes of back-up for archiving and disaster recovery; and
 - e) the use or possession by Transnet of any Materials will not subject Transnet to any claim for infringement of any Intellectual Property Rights of any third party.
- 19.2 The Service Provider warrants that it will perform its obligations under this Agreement in accordance with the Service Levels as defined in the relevant schedule. Transnet may at its discretion audit compliance with the Service Levels, provided that any such audit is carried out with reasonable prior notice and in a reasonable way so as not to have an adverse effect on the performance of the Services. Without prejudice to clause 19.3 below, in the event that the Service Provider fails to meet the Service Levels, Transnet may claim appropriate service credits or invoke a retention of Fees as detailed in the relevant schedule and/or Work Order.
- 19.3 The Service Provider warrants that for a period of 90 [ninety] calendar days from Acceptance of the Deliverables they will, if properly used, conform in all material respects with the requirements set out in the relevant schedule. The Service Provider will at its expense remedy any such non-conformance as soon as possible but in any event within 30 [thirty] calendar days of notification by Transnet. In the event that the Service Provider fails or is unable to remedy such non-conformance within such time-scale, Transnet will be entitled to employ a third party to do so in place of the Service Provider and any excess charges or costs incurred by Transnet as a result shall be paid by the Service Provider.
- 19.4 The Service Provider will remedy any defect within 30 [thirty] calendar days of being notified of that defect by Transnet in writing.
- 19.5 The Service Provider will not be liable to remedy any problem arising from or caused by any modification made by Transnet to the Deliverables, or any part thereof, without the prior approval of the Service Provider.
- 19.6 The Service Provider shall advise Transnet of the effects of any steps proposed by Transnet pursuant to clause 19.5 above, including but not limited to any cost implications or any disruption or delay in the performance of the Services. The Parties agree that any changes to the Services, including the charges for the Services or any timetables for delivery of the Services, will be agreed in accordance with the change control procedure, as set out in clause 41.1 *[Amendment and Change Control]*.
- 19.7 The Service Provider warrants that:
- a) it has, using the most up-to-date software available, tested for [and deleted] all commonly known viruses in the Materials and for all viruses known by the Service Provider at the date of the relevant Work Order; and

- b) at the time of delivery to Transnet, the Materials do not contain any trojan horse, worm, logic bomb, time bomb, back door, trap door, keys or other harmful components.

The Service Provider agrees that, in the event that a virus is found, it will at its own expense use its best endeavours to assist Transnet in reducing the effect of the virus and, particularly in the event that a virus causes loss of operational efficiency or loss of data, to assist Transnet to the same extent to mitigate such losses and to restore Transnet to its original operating efficiency.

- 19.8 The Service Provider undertakes to comply with South Africa's general privacy protection in terms of Section 14 of the Bill of Rights in connection with this Agreement and shall procure that its Personnel shall observe the provisions of Section 14 [as applicable] or any amendments and re-enactments thereof and any regulations made pursuant thereto.
- 19.9 The Service Provider warrants that it has taken all reasonable precautions to ensure that, in the event of a disaster, the impact of such disaster on the ability of the Service Provider to comply with its obligations under this Agreement will be reduced to the greatest extent possible, and that the Service Provider shall ensure that it has appropriate, tested and documented recovery arrangements in place.
- 19.10 In compliance with the National Railway Safety Regulator Act, 16 of 2002, the Service Provider shall ensure that the Services, to be supplied to Transnet under the terms and conditions of this Agreement, comply fully with the specifications as set forth in Schedule 1 hereto, and shall thereby adhere [as applicable] to railway safety requirements and/or regulations. Permission for the engagement of a Subcontractor by the Service Provider [as applicable] shall be subject to a review of the capability of the proposed Subcontractor to comply with the specified railway safety requirements and/or regulations. The Service Provider and/or its Subcontractor shall grant Transnet access, during the term of this Agreement, to review any safety-related activities, including the coordination of such activities across all parts of its organisation.

20 THIRD PARTY INDEMNITY

The Service Provider hereby indemnifies and shall hold Transnet harmless against any direct damages suffered by or claims arising against Transnet.

21 TOTAL OR PARTIAL FAILURE TO PERFORM

- 21.1 In the case of Goods to be specially manufactured for it, if Transnet at any time ascertains that:
- a) no manufacturing of the Goods specified in a Purchase Order has commenced and there is little or no prospect, in Transnet's opinion, that manufacturing will commence within a reasonable time; or
- b) delivery of any of the Goods is being or is likely to be delayed beyond the promised delivery date(s), and there is little or no prospect of the Purchase Order(s) being carried out within reasonable adherence to the promised delivery rate(s) or time(s),
- then Transnet may, irrespective of the cause of the delay, by notice to the Supplier, cancel as from a future date specified in such notice the whole or any part of this Agreement or Purchase Order in respect of which the Goods to be supplied have not been completed by that date, without incurring any liability by reason of such cancellation except as provided in this clause.

- 21.2 The Service Provider shall thereupon, as soon as possible after such date, deliver to Transnet the Services [if any] already completed, and payment for the part performance shall be made on a pro rata basis, provided the uncompleted part is not an integral or essential part of the completed Services. Where an integral or essential part of the work has not been completed, the amount to be paid to the Service Provider will be calculated on the basis of Transnet's enrichment. The Service Provider shall, wherever practicable, supply Transnet with the necessary drawings and/or specifications to enable it to complete the work.
- 21.3 Whenever, the Supplier fails or neglects to execute the work or to deliver any portion of the Services as required by the terms of this Agreement or Purchase Order, or if any Services are rejected, Transnet may cancel this Agreement or Purchase Order in so far as it relates to the unexecuted work or the undelivered or rejected portion of the Services, and in such event, the supply of the remaining portion shall remain subject in all respects to these conditions.

26. NON CONFORMANCE OF SERVICES PROCURED

- 26.1 *In the case of services manufactured for and procured by Transnet from the Service Provider in terms of this Agreement, being found not to conform to the Transnet standards, specifications and requirements, Transnet at any time be entitled to raise a Non Conformance Report (NCR) against a Service Provider whose Services do not conform to Transnet standards, specifications and requirements directing the Service Provider to investigate and remedy the non-conformance within the stipulated time frame as may be determined by Transnet at its discretion.*
- 26.2 *Failure by the Service Provider to fully comply with NCR within the period stated in sub-clause 26.1 above, shall entitle Transnet to further conditions to which the Service Provider must discharge in order to close the NCR or to terminate the order without by given the Service Provider written notice of termination in terms of this Agreement.*

27 RIGHTS ON CANCELLATION

- 27.1 If this Agreement or Purchase Order is cancelled in whole or in part *Total or Partial Failure to Perform*], Transnet may execute or complete this Agreement with any other entity and do so on such terms as it may deem proper, or may procure other comparable Services in substitution for those neglected to be manufactured or supplied or rejected as aforesaid, and may recover from the Supplier the difference between the cost of such Services and the Price [if the latter was lower] as well as any costs and expenses [including any additional transport costs] which Transnet may have had to incur in consequence of the Service Provider's default.
- 27.2 Any amount which may be recoverable from the Service Provider in terms of clause 27.1 above, without prejudice to any other legal remedies available to Transnet, may be deducted in whole or in part from any monies in the hands of Transnet and due for payment to the Service Provider.

28 BREACH AND TERMINATION

- 28.1 Termination in accordance with clause 6 [Term and Cancellation] shall not prejudice or affect any right of action or remedy which shall have accrued or shall thereafter accrue to either Party and all provisions which are to survive this Agreement or impliedly do so shall remain in force and in effect.

- 28.2 On termination of this Agreement or a Work Order, the Service Provider will immediately deliver up, and procure that its Personnel will immediately deliver up to Transnet, all Deliverables and property belonging to Transnet [or, in the event of termination of a Work Order, such as is relevant to that Work Order] which may be in the possession of, or under the control of the Service Provider, and certify to Transnet in writing that this has been done.
- 28.3 To the extent that any of the Deliverables and property referred to in clause 28.2 above are in electronic form and contained on non-detachable storage devices, the Service Provider will provide Transnet with unencrypted copies of the same on magnetic media and will irretrievably destroy and delete copies so held.
- 28.4 In the event that this Agreement is terminated by the Service Provider [Term and Cancellation], or in the event that a Work Order is terminated by Transnet [Breach and Consequences of Termination], Transnet will pay to the Service Provider all outstanding Fees [apportioned on a pro rata basis] relating to the work undertaken by the Service Provider up until the date of such termination. Transnet will also pay the costs of any goods and materials ordered by the Service Provider in relation to the such work for which the Service Provider has paid or is legally obliged to pay, in which case, on delivery of such goods or materials, the Service Provider will promptly deliver such goods and materials to Transnet or as it may direct.
- 28.5 If either Party [**the Defaulting Party**] commits a material breach of this Agreement and fails to remedy such breach within 14 [Fourteen] calendar days of written notice thereof, the other Party [hereinafter **the Aggrieved Party**], shall be entitled, in addition to any other rights and remedies that it may have in terms of this Agreement, to terminate this Agreement forthwith without any liability and without prejudice to any claims which the Aggrieved Party may have for damages against the Defaulting Party.
- 28.6 Either Party may terminate this Agreement forthwith by notice in writing to the other Party when the other Party is unable to pay its debts as they fall due or commits any act or omission which would be an act of insolvency in terms of the Insolvency Act, 24 of 1936 [as amended from time to time], or if any action, application or proceeding is made with regard to it for:
- a) a voluntary arrangement or composition or reconstruction of its debts;
 - b) its winding-up or dissolution;
 - c) the appointment of a liquidator, trustee, receiver, administrative receiver or similar officer;
 - d) any similar action, application or proceeding in any jurisdiction to which it is subject.
- 28.7 Transnet may terminate this Agreement at any time within 2 [two] months of becoming aware of a change of control of the Service Provider by notice in writing to the Service Provider. For the purposes of this clause, **control** means the right to direct the affairs of a company whether by ownership of shares, membership of the board of directors, agreement or otherwise.
- 28.8 Notwithstanding this clause 28.8, Transnet may cancel this Agreement without cause by giving 30 [thirty] calendar days prior written notice thereof to the Service Provider, or
- 28.9 The provisions of clauses 2 [Definitions], 19 [Warranties], 27 [Rights on Cancellation], 31.2 [Confidentiality], 34 [Limitation of Liability], 35 [Intellectual Property Rights], 38 [Dispute Resolution] and 42.1 [Governing Law] shall survive termination or expiry of this Agreement.

29 CESSION

- 29.1 Upon written notice to the Service Provider, Transnet shall be entitled:
- a) to appoint Transnet's financier of the Services as first payer under this Agreement, without transferring the ultimate responsibility for payment which will remain with Transnet; and
 - b) to cede, assign and transfer its right, title and interest in the Services to such financier as part of the funding consideration for the Services.
- 29.2 The Service Provider is not entitled to cede, delegate, assign, Subcontract or in any other manner dispose of any of its rights or obligations in terms of this Agreement without the prior written consent of Transnet, which consent shall not be withheld or delayed unreasonably.

30 FORCE MAJEURE

- 30.1 Neither Party shall have any claim against the other Party arising from any failure or delay in the performance of any obligation of either Party under this Agreement caused by an act of force majeure such as acts of God, fire, flood, war, lockout, government action, laws or regulations, terrorism or civil disturbance, defaults or other circumstances or factors beyond the reasonable control of either Party, and to the extent that the performance of obligations of either Party hereunder is delayed by virtue of the foregoing, any period stipulated for any such performance shall be reasonably extended. Transnet may however rely on strikes, industrial dispute and riots as a ground of force majeure.
- 30.2 Each Party will take all reasonable steps by whatever lawful means that are available to resume full performance as soon as practicable and will seek agreement to modification of the relevant provisions of this Agreement in order to accommodate the new circumstances caused by the act of *force majeure*. If a Party fails to agree with such modifications proposed by the other Party within 90 [ninety] calendar days of the act of *force majeure* first occurring, either Party may thereafter terminate this Agreement with immediate notice.

31 PROTECTION OF PERSONAL INFORMATION

- a) The following terms shall bear the same meaning as contemplated in Section 1 of the Protection of Personal Information Act 4 of 2013 ("POPIA"):
- consent; person; personal information; processing; record; Regulator as well as any terms derived from these terms of the POPIA
- b) Transnet will process all information by the Respondent in terms of the requirements contemplated in Section 4(1) of the POPIA:
- Accountability; Processing limitation; Purpose specification; Further processing limitation; Information quality; Openness; Security safeguards and Data subject participation.
- c) Transnet agrees that in submitting any information or documentation requested in the RFP and in this Agreement, the Service Provider consents to the processing of their personal information for the purpose of, but not limited to, risk assessment, contract award, contract management, auditing, legal opinions/litigation, investigations (if applicable), document storage for the legislatively required period,

destruction, de-identification and publishing of personal information by Transnet and/or its authorised appointed third parties.

- d) The Parties agree that they may obtain and have access to personal information for the fulfilment of the rights and obligations contained herein. In performing the obligations as set out in this Agreement, the Parties shall at all times ensure that:
- i. they process personal information only for the express purpose for which it was obtained;
 - ii. once processed for the purposes for which it was obtained, all personal information will be destroyed to an extent that it cannot be reconstructed to its original form, subject to any legal retention requirements;
 - iii. Personal information is provided only to authorised personnel who strictly require the personal information to carry out the Parties' respective obligations under this Agreement;
 - iv. they do not disclose personal information of the other Party, other than in terms of this Agreement;
 - v. they have all reasonable technical and organisational measures in place to protect all personal information from unauthorised access and/or use;
 - vi. they have appropriate technical and organisational measures in place to safeguard the security, integrity and authenticity of all information in their possession or under their control in terms of this Agreement;
 - vii. they identify all reasonably foreseeable internal and external risks to personal information in their possession or under their control; establish and maintain appropriate safeguards against the risks identified; regularly verify that the safeguards are effectively implemented; and ensure that the safeguards are continually updated in response to new risks or deficiencies in previously implemented safeguards;
 - viii. such personal information is protected against unauthorised or unlawful processing, accidental loss, destruction or damage, alteration, disclosure or access.
- 31.1 The Parties agree that if personal information will be processed for additional purposes beyond the original purpose for which it was obtained, explicit consent must be obtained beforehand from those persons whose information will be subject to such processing.
- 31.2 Should it be necessary for either Party to disclose or otherwise make available the personal information to any third party (including sub-contractors and employees) that is not already consented to, it may do so only with the prior written consent of the other Party. The Party requiring such consent shall require of all such third parties, appropriate written undertakings to be provided, containing similar terms to that set forth in this clause, and dealing with that third party's obligations in respect of its processing of the personal information. Following approval by the other Party, the Party requiring consent agrees that the provisions of this clause shall *mutatis mutandis* apply to all authorised third parties who process personal information.
- 31.3 The Parties shall ensure that any persons authorized to process information on their behalf (including employees and third parties) will safeguard the security, integrity and authenticity of all

information. Where necessary to meet this requirement, the Parties shall keep all personal information and any analyses, profiles, or documents derived therefrom logically separated from all other information and documentation held by it.

31.4 The Parties shall carry out regular assessments to identify all reasonably foreseeable internal and external risks to the personal information in its possession or under its control. The Parties shall implement and maintain appropriate safeguards against the risks which it identifies and shall also regularly verify that the safeguards which it has in place have been effectively implemented.

31.5 The Parties agree that they will promptly return, destroy or de-identify any personal information in their possession or control which belongs to the other Party once it no longer serves the purpose for which it was collected in relation to this Agreement, subject to any legal retention requirements. This may be at the request of the other Party and includes circumstances where a person has requested the Parties to delete all instances of their personal information. The information will be destroyed or de-identified in such a manner that it cannot be reconstructed to its original form, linking it to any particular individual or organisation.

31.6 Personal Information security breach:

- a) Each Party shall notify the other party in writing as soon as possible after it becomes aware of or suspects any loss, unauthorised access or unlawful use of any personal information and shall, at its own cost, take all necessary remedial steps to mitigate the extent of the loss or compromise of personal information and to restore the integrity of the affected personal information as quickly as is possible. The Parties shall also be required to provide each other with details of the persons affected by the compromise and the nature and extent of the compromise, including details of the identity of the unauthorised person who may have accessed or acquired the personal information.
- b) The Parties shall provide on-going updates on the progress in resolving the compromise at reasonable intervals until such time as the compromise is resolved.
- c) Where required, the Parties must notify the South African Police Service; and/or the State Security Agency and the Information Regulator and the affected persons of the security breach. Any such notification shall always include sufficient information to allow the persons to take protective measures against the potential consequences of the compromise.
- d) The Parties undertake to co-operate in any investigations relating to security which is carried out by or on behalf of the other including providing any information or material in its possession or control and implementing new security measures.

32 CONFIDENTIALITY

32.1 The Parties hereby undertake the following with regard to Confidential Information:

- a) not to divulge or disclose to any person whomsoever in any form or manner whatsoever, either directly or indirectly, any Confidential Information of the other without the prior written consent of such other Party, other than when called upon to do so in accordance with a statute, or by a court having jurisdiction, or by any other duly authorised and empowered authority or official, in which event the Party concerned shall do what is

reasonably possible to inform the other of such a demand and each shall assist the other in seeking appropriate relief or the instituting of a defensive action to protect the Confidential Information concerned;

- b) not to use, exploit, permit the use of, directly or indirectly, or in any other manner whatsoever apply the Confidential Information disclosed to it as a result of this Agreement, for any purpose whatsoever other than for the purpose for which it is disclosed or otherwise than in strict compliance with the provisions in this Agreement;
- c) not to make any notes, sketches, drawings, photographs or copies of any kind of any part of the disclosed Confidential Information without the prior written consent of such other Party, except when reasonably necessary for the purpose of this Agreement, in which case such copies shall be regarded as Confidential Information;
- d) not to de-compile, disassemble or reverse engineer any composition, compilation, concept application, item, component de-compilation, including software or hardware disclosed and shall not analyse any sample provided by Transnet, or otherwise determine the composition or structure or cause to permit these tasks to be carried out except in the performance of its obligations pursuant to this Agreement;
- e) not to exercise less care to safeguard Transnet Confidential Information than the Party exercises in safeguarding its own competitive, sensitive or Confidential Information;
- f) Confidential Information disclosed by either Party to the other or by either Party to any other party used by such party in the performance of this Agreement, shall be dealt with as "restricted" or shall be dealt with according to any other appropriate level of confidentiality relevant to the nature of the information concerned, agreed between the Parties concerned and stipulated in writing for such information in such cases;
- g) the Parties shall not make or permit to be made by any other person subject to their control, any public statements or issue press releases or disclose Confidential Information with regard to any matter related to this Agreement, unless written authorisation to do so has first been obtained from the Party first disclosing such information;
- h) each Party shall be entitled to disclose such aspects of Confidential Information as may be relevant to one or more technically qualified employees or consultants of the Party who are required in the course of their duties to receive the Confidential Information for the Permitted Purpose provided that the employee or consultant concerned has a legitimate interest therein, and then only to the extent necessary for the Permitted Purpose, and is informed by the Party of the confidential nature of the Confidential Information and the obligations of the confidentiality to which such disclosure is subject and the Party shall ensure such employees or consultants honour such obligations;
- i) each Party shall notify the other Party of the name of each person or entity to whom any Confidential Information has been disclosed as soon as practicable after such disclosure;
- j) each Party shall ensure that any person or entity to which it discloses Confidential Information shall observe and perform all of the covenants the Party has accepted in this Agreement as if such person or entity has signed this Agreement. The Party disclosing the

Confidential Information shall be responsible for any breach of the provisions of this Agreement by such person or entity; and

- k) each Party may by written notice to the other Party specify which of the Party's employees, officers or agents are required to sign a non-disclosure undertaking.

32.2 The duties and obligations with regard to Confidential Information in this clause 32.2 shall not apply where:

- a) a Party can demonstrate that such information is already in the public domain or becomes available to the public through no breach of this Agreement by that Party, or its Staff; or
- b) was rightfully in a Party's possession prior to receipt from the other Party, as proven by the first-mentioned Party's written records, without an infringement of an obligation or duty of confidentiality; or
- c) can be proved to have been rightfully received by a Party from a third party without a breach of a duty or obligation of confidentiality; or
- d) is independently developed by a Party as proven by its written records.

32.3 This clause 32.3 shall survive termination for any reason of this Agreement and shall remain in force and effect from the Commencement Date of this Agreement and 5 [five] years after the termination of this Agreement. Upon termination of this Agreement, all documentation furnished to the Service Provider by Transnet pursuant to this Agreement shall be returned to Transnet including, without limitation, all corporate identity equipment including dyes, blocks, labels, advertising matter, printing matter and the like.

33 INSURANCES

33.1 Without limiting the liability of the Service Provider under this Agreement, the Service Provider shall take out insurance in respect of all risks for which it is prudent for the Service Provider to insure against, including any liability it may have as a result of its activities under this Agreement for theft, destruction, death or injury to any person and damage to property. The level of insurance will be kept under review by Transnet, on an annual basis, to ensure its adequacy, provided that any variation to the level of such insurance shall be entirely at the discretion of the Service Provider.

33.2 The Service Provider shall arrange insurance with reputable insurers and will produce to Transnet evidence of the existence of the policies on an annual basis within 30 [thirty] calendar days after date of policy renewals.

33.3 Subject to clause 33.4 below, if the Service Provider fails to effect adequate insurance under this clause 33.3, it shall notify Transnet in writing as soon as it becomes aware of the reduction or inadequate cover and Transnet may arrange or purchase such insurance on behalf of the Service Provider. The Service Provider shall promptly reimburse Transnet for any premiums paid provided such insurance protects the Service Provider's liability. Transnet assumes no responsibility for such insurance being adequate to protect all of the Service Provider's liability.

33.4 In the event that the Service Provider receives written notice from its insurers advising of the termination of its insurance cover referred to in clause 33.1 above or if the insurance ceases to be available upon commercially reasonable terms, the Service Provider shall immediately notify

Transnet in writing of such termination and/or unavailability, whereafter either the Service Provider or Transnet may terminate this Agreement on giving the other Party not less than 30 [thirty] calendar days prior written notice to that effect.

34 LIMITATION OF LIABILITY

- 34.1 The Service Provider's liability under this clause 34.4 shall be in addition to any warranty or condition of any kind, express or implied by law or otherwise, relating to the Services or ancillary Services, including the quality of the Services or ancillary Services or any materials delivered pursuant to this Agreement.
- 34.2 Neither Party excludes or limits liability to the other Party for:
- a) death or personal injury caused by its negligence, [including its employees', agents' or Subcontractors' negligence]; or
 - b) fraud or theft.
- 34.3 The Service Provider shall indemnify and keep Transnet indemnified from and against liability for damage to any Transnet property [whether tangible or intangible] or any other loss, costs or damage suffered by Transnet to the extent that it results from any act of or omission by the Service Provider or its Personnel in connection with this Agreement. The Service Provider's liability arising out of this clause 34.3 shall be limited to direct damages.
- 34.4 Subject always to clauses 34.1 and 34.2 above, the liability of either the Service Provider or Transnet under or in connection with this Agreement, whether for negligence, misrepresentation, breach of contract or otherwise, for direct loss or damage arising out of each Default or series of related Defaults shall not exceed 100% [one hundred per cent] of the Fees paid under the schedule or Work Order to which the Default(s) relates.
- 34.5 Subject to clauses 34.1 to 34.4 above, in no event shall either Party be liable to the other for indirect or consequential loss or damage or including indirect or consequential loss of profits, business, revenue, goodwill or anticipated savings of an indirect nature or loss or damage incurred by the other Party as a result of third party claims.
- 34.6 If for any reason the exclusion of liability in clause 34.5 above is void or unenforceable, either Party's total liability for all loss or damage under this Agreement shall be as provided in clause 34.3 above.
- 34.7 Nothing in this clause 34.4 shall be taken as limiting the liability of the Parties in respect of clauses 31.2 [*Confidentiality*] and 35.5 [*Intellectual Property Rights*].

35 INTELLECTUAL PROPERTY RIGHTS

35.1

Title to Confidential Information

- a) Transnet will retain all right, title and interest in and to its Confidential Information and Background Intellectual Property and the Service Provider acknowledges that it has no claim of any nature in and to the Confidential Information and Background Intellectual Property that is proprietary to Transnet. For the avoidance of doubt all the Service Provider's Background Intellectual Property shall remain vested in the Service Provider.

- b) Transnet shall grant to the Service Provider an irrevocable, royalty free, non-exclusive licence to use Transnet's Background Intellectual Property only for the Permitted Purpose. This licence shall not permit the Service Provider to sub-license to other parties.
- c) The Service Provider shall grant to Transnet an irrevocable, royalty free, non-exclusive licence to use the Service Provider's Background Intellectual Property for the Permitted Purpose. This licence shall not permit Transnet to sub-license to other parties.
- d) The Service Provider shall grant Transnet access to the Service Provider's Background Intellectual Property on terms which shall be *bona fide* negotiated between the Parties for the purpose of commercially exploiting the Foreground Intellectual Property, to the extent that such access is required.
- e) The above shall not pertain to any software licenses procured by the Service Provider from third parties and used in the supply of the Services.

35.2

Title to Intellectual Property

- a) All right, title and interest in and to Foreground Intellectual Property prepared, conceived or developed by the Service Provider, its researchers, agents and employees shall vest in Transnet and the Service Provider acknowledges that it has no claim of any nature in and to the Foreground Intellectual Property. The Service Provider shall not at any time during or after the termination or cancellation of this Agreement dispute the validity or enforceability of such Foreground Intellectual Property, or cause to be done any act or anything contesting or in any way impairing or tending to impair any part of that right, title and interest to any of the Foreground Intellectual Property and shall not counsel or assist any person to do so.
- b) Transnet shall be entitled to seek protection in respect of the Foreground Intellectual Property anywhere in the world as it shall decide in its own absolute discretion and the Service Provider shall reasonably assist Transnet in attaining and maintaining protection of the Foreground Intellectual Property.
- c) Where the Foreground Intellectual Property was created by the Service Provider or its researchers, agents and employees and where Transnet elects not to exercise its option to seek protection or decides to discontinue the financial support of the prosecution or maintenance of any such protection, Transnet shall notify the Service Provider who shall have the right of first refusal to file or continue prosecution or maintain any such applications and to maintain any protection issuing on the Foreground Intellectual Property.
- d) No consideration shall be paid by Transnet to the Service Provider for the assignment of any Foreground Intellectual Property from the Service Provider to Transnet, over and above the sums payable in terms of this Agreement. The Service Provider undertakes to sign all documents and do all things as may be necessary to effect, record and perfect the assignment of the Foreground Intellectual Property to Transnet.
- e) Subject to anything contrary contained in this Agreement and/or the prior written consent of Transnet [which consent shall not be unreasonably withheld], the Service Provider shall under no circumstances be entitled as of right, or to claim the right, to use Transnet's Background Intellectual Property and/or Foreground Intellectual Property.

35.3 **Title to Improvements**

Any improvements, developments, adaptations and/or modifications to the Foreground Intellectual Property, and any and all new inventions or discoveries, based on or resulting from the use of Transnet's Background Intellectual Property and/or Confidential Information shall be exclusively owned by Transnet. The Service Provider shall disclose promptly to Transnet all such improvements, developments, adaptations and/or modifications, inventions or discoveries. The Service Provider hereby undertakes to sign all documents and do all things as may be necessary to effect, record and perfect the assignment of such improvements, developments, adaptations and/or modifications, inventions or discoveries to Transnet and the Service Provider shall reasonably assist Transnet in attaining, maintaining or documenting ownership and/or protection of the improved Foreground Intellectual Property.

35.4 **Unauthorised Use of Confidential Information**

The Service Provider shall not authorise any party to act on or use in any way any Confidential Information belonging to Transnet whether or not such party is aware of such Confidential Information, and shall promptly notify Transnet of the information if it becomes aware of any party so acting, and shall provide Transnet the information with such assistance as Transnet reasonably requires, at Transnet's cost and expense, to prevent such third party from so acting.

35.5 **Unauthorised Use of Intellectual Property**

- a) The Service Provider agrees to notify Transnet in writing of any conflicting uses of, and applications of registrations of Patents, Designs and Trade Marks or any act of infringement, unfair competition or passing off involving the Intellectual Property of Transnet of which the Service Provider acquires knowledge and Transnet shall have the right, as its own option, to proceed against any party infringing its Intellectual Property.
- b) It shall be within the sole and absolute discretion of Transnet to determine what steps shall be taken against the infringer and the Service Provider shall co-operate fully with Transnet, at Transnet's cost, in whatever measure including legal action to bring any infringement of illegal use to an end.
- c) The Service Provider shall cooperate to provide Transnet promptly with all relevant ascertainable facts.
- d) If proceedings are commenced by Transnet alone, Transnet shall be responsible for all expenses but shall be entitled to all damages or other awards arising out of such proceedings. If proceedings are commenced by both Parties, both Parties will be responsible for the expenses and both Parties shall be entitled to damages or other awards arising out of proceedings.

36 NON-WAIVER

- 36.1 Failure or neglect by either Party, at any time, to enforce any of the provisions of this Agreement, shall not in any manner be construed to be a waiver of any of that Party's rights in that regard and in terms of this Agreement.
- 36.2 Such failure or neglect shall not in any manner affect the continued, unaltered validity of this Agreement, or prejudice the right of that Party to institute subsequent action.

37 PARTIAL INVALIDITY

If any provision of this Agreement shall be held to be invalid, illegal or unenforceable, or shall be required to be modified, the validity, legality and enforceability of the remaining provisions shall not be affected thereby.

38 DISPUTE RESOLUTION

- 38.1 Should any dispute of whatsoever nature arise between the Parties concerning this Agreement, the Parties shall try to resolve the dispute by negotiation within 10 [ten] Business Days of such dispute arising.
- 38.2 If the dispute has not been resolved by such negotiation, either of the Parties may refer the dispute to AFSA and notify the other Party accordingly, which proceedings shall be held in Johannesburg.
- 38.3 Such dispute shall be finally resolved in accordance with the rules of AFSA by an arbitrator or arbitrators appointed by AFSA.
- 38.4 This clause constitutes an irrevocable consent by the Parties to any proceedings in terms hereof, and neither of the Parties shall be entitled to withdraw from the provisions of this clause or claim at any such proceedings that it is not bound by this clause 38.
- 38.5 This clause 38.5 is severable from the rest of this Agreement and shall remain in effect even if this Agreement is terminated for any reason.
- 38.6 This clause 38.6 shall not preclude either Party from seeking urgent relief in a court of appropriate jurisdiction, where grounds for urgency exist.

39 ADDRESSES FOR NOTICES

39.1 The Parties to this Agreement select the physical addresses and fax numbers, as detailed hereafter, as their respective addresses for giving or sending any notice provided for or required in terms of this Agreement, provided that either Party shall be entitled to substitute such other address or fax number, as may be, by written notice to the other:

a) **Transnet**

(i) For legal notices:

.....

.....

Fax No.

Attention: Group Legal Department

(ii) For commercial notices:

.....

.....

Fax No.

Attention:

b) **The Service Provider**

(i) For legal notices:

.....

Fax No.

Attention:

(ii) For commercial notices:

.....

Fax No.

Attention:

39.2 Any notice shall be addressed to a Party at its physical address, or delivered by hand, or sent by fax or email.

39.3 Any notice shall be deemed to have been given:

- a) if hand delivered, on the day of delivery;
- b) if faxed, on the date and time of sending of such fax, as evidenced by a fax confirmation printout, provided that such notice shall be confirmed by prepaid registered post on the date of dispatch of such fax, or, should no postal facilities be available on that date, on the next Business Day; or
- c) if sent by email, on the date and time received, provided that such notice shall be confirmed by prepaid registered post on the date of dispatch of such email, or, should no postal facilities be available on that date, on the next Business Day.

40 WHOLE AND ONLY AGREEMENT

40.1 The Parties hereby confirm that this Agreement constitutes the whole and only agreement between them with regard to the subject matter of this Agreement.

40.2 The Parties hereby confirm that this Agreement replaces all other agreements which exist or may have existed in any form whatsoever between them, with regard to the subject matter dealt with in this Agreement, any annexures appended hereto and the Schedule of Requirements/Work Order.

41 AMENDMENT AND CHANGE CONTROL

41.1 Any amendment or change of any nature made to this Agreement and the Schedule of Requirements thereof shall only be valid if it is in writing, signed by both Parties and added to this Agreement as an addendum hereto. In this regard a Change Notice must first be defined and issued by the requesting Party. A Change Notice Response must then be issued by responding Party. A formal approval of the Change Request will then trigger the issue of the addendum to this Agreement.

41.2 In the event the Parties cannot agree upon changes, the Parties shall in good faith seek to agree any proposed changes using the dispute resolution procedures in clause 38.6 *[Dispute Resolution]*.

42 GENERAL

42.1 Governing Law

This Agreement is exclusively governed by and construed in accordance with the laws of the Republic of South Africa and is subject to the jurisdiction of the courts of the Republic of South Africa.

42.2 Change of Law

In this Agreement, unless the context otherwise requires, references to a statutory provision include references to that statutory provision as from time to time amended, extended or re-enacted and any regulations made under it, provided that in the event that the amendment, extension or re-enactment of any statutory provision or introduction of any new statutory provision has a material impact on the obligations of either Party, the Parties will negotiate in good faith to agree such amendments to this Agreement as may be appropriate in the circumstances. If, within a reasonable period of time, the Service Provider and Transnet cannot reach agreement on the nature of the changes required or on modification of Prices, delivery schedules, warranties, or other terms and conditions, either Party may seek to have the matter determined in accordance with clause 38.6 [*Dispute Resolution*] above.

42.3 Counterparts

This Agreement may be signed in any number of counterparts, all of which taken together shall constitute one and the same instrument. Either Party may enter into this Agreement by signing any such counterpart.

43 DATABASE OF RESTRICTED SUPPLIER

The process of restriction is used to exclude a company/person from conducting future business with Transnet and other organs of state for a specified period. No Bid shall be awarded to a Bidder whose name (or any of its members, directors, partners or trustees) appear on the Register of Tender Defaulters kept by National Treasury, or who have been placed on National Treasury's List of Restricted Suppliers. Transnet reserves the right to withdraw an award, or cancel a contract concluded with a Bidder should it be established, at any time, that a bidder has been restricted with National Treasury by another government institution.

Thus signed by the Parties and witnessed on the following dates and at the following places:

For and on behalf of TRANSNET SOC LTD duly authorised hereto	For and on behalf of duly authorised hereto
Name:	Name:
Position:	Position:
Signature:	Signature:
Date:	Date:
Place:	Place:

AS WITNESS: Name:	AS WITNESS: Name:
Signature:	Signature:

AS WITNESS: Name:	AS WITNESS: Name:
Signature:	Signature:

Annex C

Standard Conditions of Tender

C.1 General

C.1.1 Actions

C.1.1.1 The employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in C.2 and C.3, timeously and with integrity, and behave equitably, honestly and transparently, comply with all legal obligations and not engage in anticompetitive practices.

C.1.1.2 The employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderers shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process at the start of any deliberations relating to the procurement process or as soon as they become aware of such conflict and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

Note: 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.

2) Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.

C.1.1.3 The employer shall not seek and a tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

C.1.2 Tender Documents

The documents issued by the employer for the purpose of a tender offer are listed in the tender data.

C.1.3 Interpretation

C.1.3.1 The tender data and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.

C.1.3.2 These conditions of tender, the tender data and tender schedules which are required for tender evaluation purposes, shall form part of any contract arising from the invitation to tender.

C.1.3.3 For the purposes of these conditions of tender, the following definitions apply:

a) **conflict of interest** means any situation in which:

- i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfill his or her duties impartially;
- ii) an individual or tenderer is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
- iii) incompatibility or contradictory interests exist between an employee and the tenderer who employs that employee.

b) **comparative offer** means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration;

- c) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process;
- d) **fraudulent practice** means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels;

C.1.4 Communication and employer's agent

Each communication between the employer and a tenderer shall be to or from the employer's agent only, and in a form that can be readily read, copied and recorded. Communications shall be in the English language. The employer shall not take any responsibility for non-receipt of communications from or by a tenderer. The name and contact details of the employer's agent are stated in the tender data.

C.1.5 Cancellation and Re-Invitation of Tenders

C.1.5.1 An employer may, prior to the award of the tender, cancel a tender if-

- a) due to changed circumstances, there is no longer a need for the engineering and construction works specified in the invitation;
- b) funds are no longer available to cover the total envisaged expenditure; or
- c) no acceptable tenders are received.
- d) there is a material irregularity in the tender process.

C.1.5.2 The decision to cancel a tender invitation must be published in the same manner in which the original tender invitation was advertised

C.1.5.3 An employer may only with the prior approval of the relevant treasury cancel a tender invitation for the second time.

C.1.6 Procurement procedures

C.1.6.1 General

Unless otherwise stated in the tender data, a contract will, subject to C.3.13, be concluded with the tenderer who in terms of C.3.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

C.1.6.2 Competitive negotiation procedure

C.1.6.2.1 Where the tender data require that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of C.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of C.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.

C.1.6.2.2 All responsive tenderers or at least a minimum of not less than three responsive tenderers that are highest ranked in terms of the evaluation criteria stated in the tender data shall be invited to enter into competitive negotiations based on the principle of equal treatment, keeping confidential the proposed solutions and associated information.

Notwithstanding the provisions of C.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.

C.1.6.2.3 At the conclusion of each round of negotiations, tenderers shall be invited by the employer to revise their tender offer based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.

C.1.6.2.4 The contract shall be awarded in accordance with the provisions of C.3.11 and C.3.13 after tenderers have been requested to submit their best and final offer.

C.1.6.3 Proposal procedure using the two stage-system

C.1.6.3.1 Option 1

Tenderers shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated. The employer shall evaluate each responsive submission in terms of the method of evaluation stated in the tender data, and in the second stage negotiate a contract with the tenderer scoring the highest number of evaluation points and award the contract in terms of these conditions of tender.

C.1.6.3.2 Option 2

C.1.6.3.2.1 Tenderers shall submit in the first stage only technical proposals. The employer shall invite all responsive tenderers to submit tender offers in the second stage, following the issuing of procurement documents.

C.1.6.3.2.2 The employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the tender data, and award the contract in terms of these conditions of tender.

C.2 Tenderer's obligations

C.2.1 Eligibility

C.2.1.1 Submit a tender offer only if the tenderer satisfies the criteria stated in the tender data and the tenderer, or any of his principals, is not under any restriction to do business with employer.

C.2.1.2 Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.

C.2.2 Cost of tendering

C.2.2.1 Accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.

C.2.2.2 The cost of the tender documents charged by the employer shall be limited to the actual cost incurred by the employer for printing the documents. Employers must attempt to make available the tender documents on its website so as not to incur any costs pertaining to the printing of the tender documents.

C.2.3 Check documents

Check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.

C.2.4 Confidentiality and copyright of documents

Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.

C.2.5 Reference documents

Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the tender documents by reference.

C.2.6 Acknowledge addenda

Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.

C.2.7 Clarification meeting

Attend, where required, a clarification meeting at which tenderers may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the tender data.

C.2.8 Seek clarification

Request clarification of the tender documents, if necessary, by notifying the employer at least five (5) working days before the closing time stated in the tender data.

C.2.9 Insurance

Be aware that the extent of insurance to be provided by the employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the contract data. The tenderer is advised to seek qualified advice regarding insurance.

C.2.10 Pricing the tender offer

C.2.10.1 Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes except Value Added Tax (VAT), and other levies payable by the successful tenderer, such duties, taxes and levies being those applicable fourteen (14) days before the closing time stated in the tender data.

C.2.10.2 Show VAT payable by the employer separately as an addition to the tendered total of the prices.

C.2.10.3 Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data.

C.2.10.4 State the rates and prices in Rand unless instructed otherwise in the tender data. The conditions of contract identified in the contract data may provide for part payment in other currencies.

C.2.11 Alterations to documents

Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations.

C.2.12 Alternative tender offers

C.2.12.1 Unless otherwise stated in the tender data, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed.

C.2.12.2 Accept that an alternative tender offer must be based only on the criteria stated in the tender data or criteria otherwise acceptable to the employer.

C.2.12.3 An alternative tender offer must only be considered if the main tender offer is the winning tender.

C.2.13 Submitting a tender offer

C.2.13.1 Submit one tender offer only, either as a single tendering entity or as a member in a joint venture to provide the whole of the works identified in the contract data and described in the scope of works, unless stated otherwise in the tender data.

C.2.13.2 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

C.2.13.3 Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.

C.2.13.4 Sign the original and all copies of the tender offer where required in terms of the tender data. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.

C.2.13.5 Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

C.2.13.6 Where a two-envelope system is required in terms of the tender data, place and seal the returnable documents listed in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

C.2.13.7 Seal the original tender offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the tender data.

C.2.13.8 Accept that the employer will not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.

C.2.13.9 Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the tender data.

C.2.14 Information and data to be completed in all respects

Accept that tender offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the employer as non-responsive.

C.2.15 Closing time

C.2.15.1 Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.

C.2.15.2 Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of these conditions of tender apply equally to the extended deadline.

C.2.16 Tender offer validity

C.2.16.1 Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data.

C.2.16.2 If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period with or without any conditions attached to such extension.

C.2.16.3 Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted. If the validity period stated in C.2.16 lapses before the employer evaluating tender, the contractor reserves the right to review the price based on Consumer Price Index (CPI).

C.2.16.4 Where a tender submission is to be substituted, a tenderer must submit a substitute tender in accordance with the requirements of C.2.13 with the packages clearly marked as "SUBSTITUTE".

C.2.17 Clarification of tender offer after submission

Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.

Note: *Sub-clause C.2.17 does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the Employer elect to do so.*

C.2.18 Provide other material

C.2.18.1 Provide, on request by the employer, any other material that has a bearing on the tender offer, the tenderer's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment.

Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the employer's request, the employer may regard the tender offer as non-responsive.

C.2.18.2 Dispose of samples of materials provided for evaluation by the employer, where required.

C.2.19 Inspections, tests and analysis

Provide access during working hours to premises for inspections, tests and analysis as provided for in the tender data.

C.2.20 Submit securities, bonds and policies

If requested, submit for the employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the conditions of contract identified in the contract data.

C.2.21 Check final draft

Check the final draft of the contract provided by the employer within the time available for the employer to issue the contract.

C.2.22 Return of other tender documents

If so instructed by the employer, return all retained tender documents within twenty-eight (28) days after the expiry of the validity period stated in the tender data.

C.2.23 Certificates

Include in the tender submission or provide the employer with any certificates as stated in the tender data.

C.3 The employer's undertakings

C.3.1 Respond to requests from the tenderer

C.3.1.1 Unless otherwise stated in the tender Data, respond to a request for clarification received up to five (5) working days before the tender closing time stated in the Tender Data and notify all tenderers who collected tender documents.

C.3.1.2 Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to prequalify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:

- a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements;
- b) the new partners to a joint venture were not prequalified in the first instance, either as individual firms or as another joint venture; or
- c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the prequalification process.

C.3.2 Issue Addenda

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three (3) working days before the tender closing time stated in the Tender Data. If, as a result a tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and, shall then notify all tenderers who collected tender documents.

C.3.3 Return late tender offers

Return tender offers received after the closing time stated in the Tender Data, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the tenderer concerned.

C.3.4 Opening of tender submissions

C.3.4.1 Unless the two-envelope system is to be followed, open valid tender submissions in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

C.3.4.2 Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the tender data, the name of each tenderer whose tender offer is opened and, where

applicable, the total of his prices, number of points claimed for its BBEE status level and time for completion for the main tender offer only.

C.3.4.3 Make available the record outlined in C.3.4.2 to all interested persons upon request.

C.3.5 Two-envelope system

C.3.5.1 Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data and announce the name of each tenderer whose technical proposal is opened.

C.3.5.2 Evaluate functionality of the technical proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of tenderers, who score in the functionality evaluation more than the minimum number of points for functionality stated in the tender data, and announce the score obtained for the technical proposals and the total price and any points claimed on BBEE status level. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for functionality.

C.3.6 Non-disclosure

Not disclose to tenderers, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.

C.3.7 Grounds for rejection and disqualification

Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

C.3.8 Test for responsiveness

C.3.8.1 Determine, after opening and before detailed evaluation, whether each tender offer properly received:

- a) complies with the requirements of these Conditions of Tender,
- b) has been properly and fully completed and signed, and
- c) is responsive to the other requirements of the tender documents.

C.3.8.2 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or
- c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

C.3.9 Arithmetical errors, omissions and discrepancies

C.3.9.1 Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.

C.3.9.2 Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with C.3.11 for:

- a) the gross misplacement of the decimal point in any unit rate;
- b) omissions made in completing the pricing schedule or bills of quantities; or
- c) arithmetic errors in:
 - (i) line item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
 - (ii) the summation of the prices.

C.3.9.3 Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices.

C.3.9.4 Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows:

- a) If bills of quantities or pricing schedules apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate shall be corrected.
- b) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

C.3.10 Clarification of a tender offer

Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.

C.3.11 Evaluation of tender offers

The Standard Conditions of Tender standardize the procurement processes, methods and procedures from the time that tenders are invited to the time that a contract is awarded. They are generic in nature and are made project specific through choices that are made in developing the Tender Data associated with a specific project.

Conditions of tender are by definition the document that establishes a tenderer's obligations in submitting a tender and the employer's undertakings in soliciting and evaluating tender offers. Such conditions establish the rules from the time a tender is advertised to the time that a contract is awarded and require employers to conduct the process of offer and acceptance in terms of a set of standard procedures.

The CIDB Standard Conditions of Tender are based on a procurement system that satisfies the following system requirements:	
Requirement	Qualitative interpretation of goal
Fair	The process of offer and acceptance is conducted impartially without bias, providing simultaneous and timely access to participating parties to the same information.
Equitable	Terms and conditions for performing the work do not unfairly prejudice the interests of the parties.
Transparent	The only grounds for not awarding a contract to a tenderer who satisfies all requirements are restrictions from doing business with the employer, lack of capability or capacity, legal impediments and conflicts of interest.
Competitive	The system provides for appropriate levels of competition to ensure cost effective and best value outcomes.

Cost effective	The processes, procedures and methods are standardized with sufficient flexibility to attain best value outcomes in respect of quality, timing and price, and least resources to effectively manage and control procurement processes.
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The activities associated with evaluating tender offers are as follows:

- a) Open and record tender offers received
- b) Determine whether or not tender offers are complete
- c) Determine whether or not tender offers are responsive
- d) Evaluate tender offers
- e) Determine if there are any grounds for disqualification
- f) Determine acceptability of preferred tenderer
- g) Prepare a tender evaluation report
- h) Confirm the recommendation contained in the tender evaluation report

C.3.11.1 General

The employer must appoint an evaluation panel of not less than three persons conversant with the proposed scope of works to evaluate each responsive tender offer using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender data.

C.3.12 Insurance provided by the employer

If requested by the proposed successful tenderer, submit for the tenderer's information the policies and / or certificates of insurance which the conditions of contract identified in the contract data, require the employer to provide.

C.3.13 Acceptance of tender offer

Accept the tender offer; if in the opinion of the employer, it does not present any risk and only if the tenderer:

- a) is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement;
- b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract;
- c) has the legal capacity to enter into the contract;
- d) is not; insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act No. 2008, bankrupt or being wound up, has his/her affairs administered by a court or a judicial officer, has suspended his/her business activities or is subject to legal proceedings in respect of any of the foregoing;
- e) complies with the legal requirements, if any, stated in the tender data; and
- f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

C.3.14 Prepare contract documents

C.3.14.1 If necessary, revise documents that shall form part of the contract and that were issued by the employer as part of the tender documents to take account of:

- a) addenda issued during the tender period,
- b) inclusion of some of the returnable documents and
- c) other revisions agreed between the employer and the successful tenderer.

C.3.14.2 Complete the schedule of deviations attached to the form of offer and acceptance, if any.

C.3.15 Complete adjudicator's contract

Unless alternative arrangements have been agreed or otherwise provided for in the contract, arrange for both parties to complete formalities for appointing the selected adjudicator at the same time as the main contract is signed.

C.3.16 Registration of the award

An employer must, within twenty-one (21) working days from the date on which a contractor's offer to perform a construction works contract is accepted in writing by the employer, register and publish the award on the cidb Register of Projects.

C.3.17 Provide copies of the contracts

Provide to the successful tenderer the number of copies stated in the Tender Data of the signed copy of the contract as soon as possible after completion and signing of the form of offer and acceptance.

C.3.18 Provide written reasons for actions taken

Provide upon request written reasons to tenderers for any action that is taken in applying these conditions of tender but withhold information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of tenderers or might prejudice fair competition between tenderers.



Service Provider Integrity Pact

Important Note: All potential tenderers must read this document and certify in the RFP Declaration Form that they have acquainted themselves with, and agree with the content.

The contract with the successful tenderer will automatically incorporate this Integrity Pact and shall be deemed as part of the final concluded contract.

INTEGRITY PACT

Between

TRANSNET SOC LTD

Registration Number: 1990/000900/30

("Transnet")

and

The Contractor (hereinafter referred to as the "Tenderer/Service Providers/Contractor")



PREAMBLE

Transnet values full compliance with all relevant laws and regulations, ethical standards and the principles of economical use of resources, fairness and transparency in its relations with its Tenderers/Service Providers/Contractors.

In order to achieve these goals, Transnet and the Tenderer/Service Provider/Contractor hereby enter into this agreement hereinafter referred to as the "Integrity Pact" which will form part of the Tenderer's/Service Provider's/Contractor's application for registration with Transnet as a vendor.

The general purpose of this Integrity Pact is to agree on avoiding all forms of dishonesty, fraud and corruption by following a system that is fair, transparent and free from any undue influence prior to, during and subsequent to the currency of any procurement and/or reverse logistics event and any further contract to be entered into between the Parties, relating to such event.

All Tenderers/Service Providers/Contractor's will be required to sign and comply with undertakings contained in this Integrity Pact, should they want to be registered as a Transnet vendor.

1 OBJECTIVES

- 1.1 Transnet and the Tenderer/Service Provider/Contractor agree to enter into this Integrity Pact, to avoid all forms of dishonesty, fraud and corruption including practices that are anti-competitive in nature, negotiations made in bad faith and under-pricing by following a system that is fair, transparent and free from any influence/unprejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:
 - a) Enable Transnet to obtain the desired contract at a reasonable and competitive price in conformity to the defined specifications of the works, goods and services; and
 - b) Enable Tenderers/Service Providers/Contractors to abstain from bribing or participating in any corrupt practice in order to secure the contract.

2 COMMITMENTS OF TRANSNET

Transnet commits to take all measures necessary to prevent dishonesty, fraud and corruption and to observe the following principles:

- 2.1 Transnet hereby undertakes that no employee of Transnet connected directly or indirectly with the sourcing event and ensuing contract, will demand, take a promise for or accept directly or through intermediaries any bribe, consideration,

gift, reward, favour or any material or immaterial benefit or any other advantage from the Tenderer, either for themselves or for any person, organisation or third party related to the contract in exchange for an advantage in the tendering process, Tender evaluation, contracting or implementation process related to any contract.

- 2.2 Transnet will, during the registration and tendering process treat all Tenderers/ Service Providers/Contractor with equity, transparency and fairness. Transnet will in particular, before and during the registration process, provide to all Tenderers/ Service Providers/Contractors the same information and will not provide to any Tenderers/Service Providers/Contractors confidential/additional information through which the Tenderers/Service Providers/Contractors could obtain an advantage in relation to any tendering process.
- 2.3 Transnet further confirms that its employees will not favour any prospective Tenderers/Service Providers/Contractors in any form that could afford an undue advantage to a particular Tenderer during the tendering stage, and will further treat all Tenderers/Service Providers/Contractors participating in the tendering process in a fair manner.
- 2.4 Transnet will exclude from the tender process such employees who have any personal interest in the Tenderers/Service Providers/Contractors participating in the tendering process.

3 OBLIGATIONS OF THE TENDERER / SERVICE PROVIDER

- 3.1 Transnet has a '**Zero Gifts**' Policy. No employee is allowed to accept gifts, favours or benefits.
 - a) Transnet officials and employees **shall not** solicit, give or accept, or from agreeing to solicit, give, accept or receive directly or indirectly, any gift, gratuity, favour, entertainment, loan, or anything of monetary value, from any person or juridical entities in the course of official duties or in connection with any operation being managed by, or any transaction which may be affected by the functions of their office.
 - b) Transnet officials and employees **shall not** solicit or accept gifts of any kind, from vendors, suppliers, customers, potential employees, potential vendors, and suppliers, or any other individual or organisation irrespective of the value.
 - c) Under **no circumstances** should gifts, business courtesies or hospitality packages be accepted from or given to prospective suppliers participating in a tender process at the respective employee's Operating Division, regardless of retail value.

- d) Gratuities, bribes or kickbacks of any kind must never be solicited, accepted or offered, either directly or indirectly. This includes money, loans, equity, special privileges, personal favours, benefit or services. Such favours will be considered to constitute corruption.
- 3.2 The Tenderer/Service Provider/Contractor commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its Tender or during any ensuing contract stage in order to secure the contract or in furtherance to secure it and in particular the Tenderer/Service Provider/Contractor commits to the following:
- a) The Tenderer/Service Provider/Contractor will not, directly or through any other person or firm, offer, promise or give to Transnet or to any of Transnet's employees involved in the tendering process or to any third person any material or other benefit or payment, in order to obtain in exchange an advantage during the tendering process; and
 - b) The Tenderer/Service Provider/Contractor will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any employee of Transnet, connected directly or indirectly with the tendering process, or to any person, organisation or third party related to the contract in exchange for any advantage in the tendering, evaluation, contracting and implementation of the contract.
- 3.3 The Tenderer/Service Provider/Contractor will not collude with other parties interested in the contract to preclude a competitive Tender price, impair the transparency, fairness and progress of the tendering process, Tender evaluation, contracting and implementation of the contract. The Tenderer / Service Provider further commits itself to delivering against all agreed upon conditions as stipulated within the contract.
- 3.4 The Tenderer/Service Provider/Contractor will not enter into any illegal or dishonest agreement or understanding, whether formal or informal with other Tenderers/Service Providers/Contractors. This applies in particular to certifications, submissions or non-submission of documents or actions that are restrictive or to introduce cartels into the tendering process.
- 3.5 The Tenderer/Service Provider/Contractor will not commit any criminal offence under the relevant anti-corruption laws of South Africa or any other country. Furthermore, the Tenderer/Service Provider/Contractor will not use for illegitimate purposes or for restrictive purposes or personal gain, or pass on to others, any information provided by Transnet as part of the business relationship,

regarding plans, technical proposals and business details, including information contained or transmitted electronically.

- 3.6 A Tenderer/Service Provider/Contractor of foreign origin shall disclose the name and address of its agents or representatives in South Africa, if any, involved directly or indirectly in the registration or tendering process. Similarly, the Tenderer / Service Provider / Contractor of South African nationality shall furnish the name and address of the foreign principals, if any, involved directly or indirectly in the registration or tendering process.
- 3.7 The Tenderer/Service Provider/Contractor will not misrepresent facts or furnish false or forged documents or information in order to influence the tendering process to the advantage of the Tenderer/Service Provider/Contractor or detriment of Transnet or other competitors.
- 3.8 Transnet may require the Tenderer/Service Provider/Contractor to furnish Transnet with a copy of its code of conduct. Such code of conduct must address the compliance programme for the implementation of the code of conduct and reject the use of bribes and other dishonest and unethical conduct.
- 3.9 The Tenderer/Service Provider/Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 3.10 The Tenderer/Service Provider/Contractor confirms that they will uphold the ten principles of the United Nations Global Compact (UNGC) in the fields of Human Rights, Labour, Anti-Corruption and the Environment when undertaking business with Transnet as follows:

a) Human Rights

- Principle 1: Businesses should support and respect the protection of internationally proclaimed human rights; and
- Principle 2: make sure that they are not complicit in human rights abuses.

b) Labour

- Principle 3: Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining;
- Principle 4: the elimination of all forms of forced and compulsory labour;
- Principle 5: the effective abolition of child labour; and

- Principle 6: the elimination of discrimination in respect of employment and occupation.

c) Environment

- Principle 7: Businesses should support a precautionary approach to environmental challenges;
- Principle 8: undertake initiatives to promote greater environmental responsibility; and
- Principle 9: encourage the development and diffusion of environmentally friendly technologies.

d) Anti-Corruption

- Principle 10: Businesses should work against corruption in all its forms, including extortion and bribery.

4 INDEPENDENT TENDERING

4.1 For the purposes of that Certificate in relation to any submitted Tender, the Tenderer declares to fully understand that the word "competitor" shall include any individual or organisation, other than the Tenderer, whether or not affiliated with the Tenderer, who:

- a) has been requested to submit a Tender in response to this Tender invitation;
- b) could potentially submit a Tender in response to this Tender invitation, based on their qualifications, abilities or experience; and
- c) provides the same Goods and Services as the Tenderer and/or is in the same line of business as the Tenderer.

4.2 The Tenderer has arrived at his submitted Tender independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium will not be construed as collusive tendering.

4.3 In particular, without limiting the generality of paragraph 5 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:

- a) prices;
- b) geographical area where Goods or Services will be rendered [market allocation];

- c) methods, factors or formulas used to calculate prices;
 - d) the intention or decision to submit or not to submit, a Tender;
 - e) the submission of a Tender which does not meet the specifications and conditions of the RFP; or
 - f) tendering with the intention of not winning the Tender.
- 4.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the Goods or Services to which his/her tender relates.
- 4.5 The terms of the Tender as submitted have not been, and will not be, disclosed by the Tenderer, directly or indirectly, to any competitor, prior to the date and time of the official Tender opening or of the awarding of the contract.
- 4.6 Tenderers are aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to Tenders and contracts, Tenders that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and/or may be reported to the National Prosecuting Authority [NPA] for criminal investigation and/or may be restricted from conducting business with the public sector for a period not exceeding 10 [ten] years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.
- 4.7 Should the Tenderer find any terms or conditions stipulated in any of the relevant documents quoted in the Tender unacceptable, it should indicate which conditions are unacceptable and offer alternatives by written submission on its company letterhead, attached to its submitted Tender. Any such submission shall be subject to review by Transnet's Legal Counsel who shall determine whether the proposed alternative(s) are acceptable or otherwise, as the case may be.

5 DISQUALIFICATION FROM TENDERING PROCESS

- 5.1 If the Tenderer/Service Provider/Contractor has committed a transgression through a violation of section 3 of this Integrity Pact or in any other form such as to put its reliability or credibility as a Tenderer/Service Provider/Contractor into question, Transnet may reject the Tenderer's / Service Provider's / Contractor's application from the registration or tendering process and remove the Tenderer/Service Provider/Contractor from its database, if already registered.

- 5.2 If the Tenderer/Service Provider/Contractor has committed a transgression through a violation of section 3, or any material violation, such as to put its reliability or credibility into question. Transnet may after following due procedures and at its own discretion also exclude the Tenderer/Service Provider/Contractor from future tendering processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, which will include amongst others the number of transgressions, the position of the transgressors within the company hierarchy of the Tenderer/Service Provider/Contractor and the amount of the damage. The exclusion will be imposed for up to a maximum of 10 (ten) years. However, Transnet reserves the right to impose a longer period of exclusion, depending on the gravity of the misconduct.
- 5.3 If the Tenderer/Service Provider/Contractor can prove that it has restored the damage caused by it and has installed a suitable corruption prevention system, or taken other remedial measures as the circumstances of the case may require, Transnet may at its own discretion revoke the exclusion or suspend the imposed penalty.

6 TRANSNET'S LIST OF EXCLUDED TENDERERS (BLACKLIST)

- 6.1 The process of restriction is used to exclude a company/person from conducting future business with Transnet and other organs of state for a specified period. No Tender shall be awarded to a Tenderer whose name (or any of its members, directors, partners or trustees) appear on the Register of Tender Defaulters kept by National Treasury, or who have been placed on National Treasury's List of Restricted Suppliers. Transnet reserves the right to withdraw an award, or cancel a contract concluded with a Tenderer should it be established, at any time, that a tenderer has been restricted with National Treasury by another government institution.
- 6.2 All the stipulations on Transnet's restriction process as laid down in Transnet's Supply Chain Policy and Procurement Procedures Manual (CPM included) are included herein by way of reference. Below follows a condensed summary of this restriction procedure.
- 6.3 On completion of the restriction procedure, Transnet will submit the restricted entity's details (including the identity number of the individuals and registration number of the entity) to National Treasury for placement on National Treasury's Database of Restricted Suppliers for the specified period of exclusion. National Treasury will make the final decision on whether to restrict an entity from doing business with any organ of state for a period not exceeding 10 years and place

the entity concerned on the Database of Restricted Suppliers published on its official website.

- 6.4 The decision to restrict is based on one of the grounds for restriction. The standard of proof to commence the restriction process is whether a "*prima facie*" (i.e. on the face of it) case has been established.
- 6.5 Depending on the seriousness of the misconduct and the strategic importance of the Goods/Services, in addition to restricting a company/person from future business, Transnet may decide to terminate some or all existing contracts with the company/person as well.
- 6.6 A Service Provider or Contractor to Transnet may not subcontract any portion of the contract to a blacklisted company.
- 6.7 Grounds for blacklisting include: If any person/Enterprise which has submitted a Tender, concluded a contract, or, in the capacity of agent or subcontractor, has been associated with such Tender or contract:
 - a) Has, in bad faith, withdrawn such Tender after the advertised closing date and time for the receipt of Tenders;
 - b) has, after being notified of the acceptance of his Tender, failed or refused to sign a contract when called upon to do so in terms of any condition forming part of the Tender documents;
 - c) has carried out any contract resulting from such Tender in an unsatisfactory manner or has breached any condition of the contract;
 - d) has offered, promised or given a bribe in relation to the obtaining or execution of the contract;
 - e) has acted in a fraudulent or improper manner or in bad faith towards Transnet or any Government Department or towards any public body, Enterprise or person;
 - f) has made any incorrect statement in a certificate or other communication with regard to the Local Content of his Goods or his B-BBEE status and is unable to prove to the satisfaction of Transnet that:
 - (i) he made the statement in good faith honestly believing it to be correct;
 - and

(ii) before making such statement he took all reasonable steps to satisfy himself of its correctness;

g) caused Transnet damage, or to incur costs in order to meet the contractor's requirements and which could not be recovered from the contractor;

h) has litigated against Transnet in bad faith.

6.8 Grounds for blacklisting include a company/person recorded as being a company or person prohibited from doing business with the public sector on National Treasury's database of Restricted Service Providers or Register of Tender Defaulters.

6.9 Companies associated with the person/s guilty of misconduct (i.e. entities owned, controlled or managed by such persons), any companies subsequently formed by the person(s) guilty of the misconduct and/or an existing company where such person(s) acquires a controlling stake may be considered for blacklisting. The decision to extend the blacklist to associated companies will be at the sole discretion of Transnet.

7 PREVIOUS TRANSGRESSIONS

7.1 The Tenderer/Service Provider/Contractor hereby declares that no previous transgressions resulting in a serious breach of any law, including but not limited to, corruption, fraud, theft, extortion and contraventions of the Competition Act 89 of 1998, which occurred in the last 5 (five) years with any other public sector undertaking, government department or private sector company that could justify its exclusion from its registration on the Tenderer's/Service Provider's/Contractor's database or any tendering process.

7.2 If it is found to be that the Tenderer/Service Provider/Contractor made an incorrect statement on this subject, the Tenderer/Service Provider/Contractor can be rejected from the registration process or removed from the Tenderer/Service Provider/Contractor database, if already registered, for such reason (refer to the Breach of Law Returnable Form contained in the document.)

8 SANCTIONS FOR VIOLATIONS

8.1 Transnet shall also take all or any one of the following actions, wherever required to:

a) Immediately exclude the Tenderer/Service Provider/Contractor from the tendering process or call off the pre-contract negotiations without giving any compensation

- the Tenderer/Service Provider/Contractor. However, the proceedings with the other Tenderer/ Service Provider/Contractor may continue;
- b) Immediately cancel the contract, if already awarded or signed, without giving any compensation to the Tenderer/Service Provider/Contractor;
 - c) Recover all sums already paid by Transnet;
 - d) Encash the advance bank guarantee and performance bond or warranty bond, if furnished by the Tenderer/Service Provider/Contractor, in order to recover the payments, already made by Transnet, along with interest;
 - e) Cancel all or any other contracts with the Tenderer/Service Provider/Contractor; and
 - f) Exclude the Tenderer/ Service Provider/Contractor from entering into any Tender with Transnet in future.

9 CONFLICTS OF INTEREST

9.1 A conflict of interest includes, inter alia, a situation in which:

- a) A Transnet employee has a personal financial interest in a tendering / supplying entity; and
- b) A Transnet employee has private interests or personal considerations or has an affiliation or a relationship which affects, or may affect, or may be perceived to affect his / her judgment in action in the best interest of Transnet, or could affect the employee's motivations for acting in a particular manner, or which could result in, or be perceived as favouritism or nepotism.

9.2 A Transnet employee uses his / her position, or privileges or information obtained while acting in the capacity as an employee for:

- a) Private gain or advancement; or
- b) The expectation of private gain, or advancement, or any other advantage accruing to the employee must be declared in a prescribed form.

Thus, conflicts of interest of any Tender committee member or any person involved in the sourcing process must be declared in a prescribed form.

9.3 If a Tenderer/Service Provider/Contractor has or becomes aware of a conflict of interest i.e. a family, business and / or social relationship between its owner(s)/ member(s)/director(s)/partner(s)/shareholder(s) and a Transnet employee/ member of Transnet's Board of Directors in respect of a Tender which will be considered for the Tender process, the Tenderer/Service Provider/ Contractor:

- a) must disclose the interest and its general nature, in the Request for Proposal ("RFX") declaration form; or
- b) must notify Transnet immediately in writing once the circumstances has arisen.

- 9.4 The Tenderer/Service Provider/Contractor shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any committee member or any person involved in the sourcing process, where this is done, Transnet shall be entitled forthwith to rescind the contract and all other contracts with the Tenderer/Service Provider/Contractor.

10 DISPUTE RESOLUTION

10.1 Transnet recognises that trust and good faith are pivotal to its relationship with its Tenderer / Service Provider / Contractor. When a dispute arises between Transnet and its Tenderer / Service Provider / Contractor, the parties should use their best endeavours to resolve the dispute in an amicable manner, whenever possible. Litigation in bad faith negates the principles of trust and good faith on which commercial relationships are based. Accordingly, following a blacklisting process as mentioned in paragraph 6 above, Transnet will not do business with a company that litigates against it in bad faith or is involved in any action that reflects bad faith on its part. Litigation in bad faith includes, but is not limited to the following instances:

- a) **Vexatious proceedings:** these are frivolous proceedings which have been instituted without proper grounds;
- b) **Perjury:** where a Tenderer / Service Provider / Contractor make a false statement either in giving evidence or on an affidavit;
- c) **Scurrilous allegations:** where a Tenderer / Service Provider / Contractor makes allegations regarding a senior Transnet employee which are without proper foundation, scandalous, abusive or defamatory; and
- d) **Abuse of court process:** when a Tenderer / Service Provider / Contractor abuses the court process in order to gain a competitive advantage during a Tender process.

11 GENERAL

11.1 This Integrity Pact is governed by and interpreted in accordance with the laws of the Republic of South Africa.

11.2 The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the law relating to any civil or criminal proceedings.

11.3 The validity of this Integrity Pact shall cover all the tendering processes and will be valid for an indefinite period unless cancelled by either Party.

11.4 Should one or several provisions of this Integrity Pact turn out to be invalid the remainder of this Integrity Pact remains valid.

11.5 Should a Tenderer/Service Provider/Contractor be confronted with dishonest, fraudulent or corruptive behaviour of one or more Transnet employees, Transnet expects its Tenderer/Service Provider/Contractor to report this behaviour directly to a senior Transnet official/employee or alternatively by using Transnet's "Tip-Off Anonymous" hotline number 0800 003 056, whereby your confidentiality is guaranteed.

The Parties hereby declare that each of them has read and understood the clauses of this Integrity Pact and shall abide by it. To the best of the Parties' knowledge and belief, the information provided in this Integrity Pact is true and correct.

I duly authorised by the tendering entity, hereby certify that the tendering entity are **fully acquainted** with the contents of the Integrity Pact and further **agree to abide by it** in full.

Signature

Date

NON-DISCLOSURE AGREEMENT

Note to tenderers: This Non-Disclosure Agreement is to be completed and signed by an authorised signatory:

THIS AGREEMENT is made effective as of day of 20..... by and between:

TRANSNET SOC LTD

(Registration No. 1990/000900/30), a company incorporated and existing under the laws of South Africa, having its principal place of business at Transnet Corporate Centre 138 Eloff Street , Braamfontein , Johannesburg 2000

and

.....
(Registration No.), a private company incorporated and existing under the laws of South Africa having its principal place of business at
.....
.....

WHEREAS

Transnet and the Company wish to exchange Information [as defined below] and it is envisaged that each party may from time to time receive Information relating to the other in respect thereof. In consideration of each party making available to the other such Information, the parties jointly agree that any dealings between them shall be subject to the terms and conditions of this Agreement which themselves will be subject to the parameters of the Tender Document.

IT IS HEREBY AGREED

1. INTERPRETATION

In this Agreement:

- 1.1 **Agents** mean directors, officers, employees, agents, professional advisers, contractors or sub-contractors, or any Group member;
- 1.2 **Bid or Bid Document** (hereinafter Tender) means Transnet's Request for Information [**RFI**] Request for Proposal [**RFP**] or Request for Quotation [**RFQ**], as the case may be;
- 1.3 **Confidential Information** means any information or other data relating to one party [the **Disclosing Party**] and/or the business carried on or proposed or intended to be carried on by that party and which is made available for the purposes of the Bid to the other party [the **Receiving Party**] or its Agents by the Disclosing Party or its Agents or recorded in agreed minutes following oral disclosure and any other information otherwise made available by the Disclosing Party or its Agents to the Receiving Party or its Agents, whether before, on or after the date of this Agreement, and whether in writing or otherwise,

including any information, analysis or specifications derived from, containing or reflecting such information but excluding information which:

- 1.3.1 is publicly available at the time of its disclosure or becomes publicly available [other than as a result of disclosure by the Receiving Party or any of its Agents contrary to the terms of this Agreement]; or
- 1.3.2 was lawfully in the possession of the Receiving Party or its Agents [as can be demonstrated by its written records or other reasonable evidence] free of any restriction as to its use or disclosure prior to its being so disclosed; or
- 1.3.3 following such disclosure, becomes available to the Receiving Party or its Agents [as can be demonstrated by its written records or other reasonable evidence] from a source other than the Disclosing Party or its Agents, which source is not bound by any duty of confidentiality owed, directly or indirectly, to the Disclosing Party in relation to such information;
- 1.4 **Group** means any subsidiary, any holding company and any subsidiary of any holding company of either party; and
- 1.5 **Information** means all information in whatever form including, without limitation, any information relating to systems, operations, plans, intentions, market opportunities, know-how, trade secrets and business affairs whether in writing, conveyed orally or by machine-readable medium.

2. CONFIDENTIAL INFORMATION

- 2.1 All Confidential Information given by one party to this Agreement [the **Disclosing Party**] to the other party [the **Receiving Party**] will be treated by the Receiving Party as secret and confidential and will not, without the Disclosing Party's written consent, directly or indirectly communicate or disclose [whether in writing or orally or in any other manner] Confidential Information to any other person other than in accordance with the terms of this Agreement.
- 2.2 The Receiving Party will only use the Confidential Information for the sole purpose of technical and commercial discussions between the parties in relation to the Tender or for the subsequent performance of any contract between the parties in relation to the Tender.
- 2.3 Notwithstanding clause 2.1 above, the Receiving Party may disclose Confidential Information:
 - 2.3.1 to those of its Agents who strictly need to know the Confidential Information for the sole purpose set out in clause 2.2 above, provided that the Receiving Party shall ensure that such Agents are made aware prior to the disclosure of any part of the Confidential Information that the same is confidential and that they owe a duty of confidence to the Disclosing Party. The Receiving Party shall at all times remain liable for any actions of such Agents that would constitute a breach of this Agreement; or
 - 2.3.2 to the extent required by law or the rules of any applicable regulatory authority, subject to clause 2.4 below.
- 2.4 In the event that the Receiving Party is required to disclose any Confidential Information in accordance with clause 2.3.2 above, it shall promptly notify the Disclosing Party and cooperate with the Disclosing

Party regarding the form, nature, content and purpose of such disclosure or any action which the Disclosing Party may reasonably take to challenge the validity of such requirement.

- 2.5 In the event that any Confidential Information shall be copied, disclosed or used otherwise than as permitted under this Agreement then, upon becoming aware of the same, without prejudice to any rights or remedies of the Disclosing Party, the Receiving Party shall as soon as practicable notify the Disclosing Party of such event and if requested take such steps [including the institution of legal proceedings] as shall be necessary to remedy [if capable of remedy] the default and/or to prevent further unauthorised copying, disclosure or use.
- 2.6 All Confidential Information shall remain the property of the Disclosing Party and its disclosure shall not confer on the Receiving Party any rights, including intellectual property rights over the Confidential Information whatsoever, beyond those contained in this Agreement.

3. RECORDS AND RETURN OF INFORMATION

- 3.1 The Receiving Party agrees to ensure proper and secure storage of all Information and any copies thereof.
- 3.2 The Receiving Party shall keep a written record, to be supplied to the Disclosing Party upon request, of the Confidential Information provided and any copies made thereof and, so far as is reasonably practicable, of the location of such Confidential Information and any copies thereof.
- 3.3 The Company shall, within 7 [seven] days of receipt of a written demand from Transnet:
- 3.3.1 return all written Confidential Information [including all copies]; and
- 3.3.2 expunge or destroy any Confidential Information from any computer, word processor or other device whatsoever into which it was copied, read or programmed by the Company or on its behalf.
- 3.4 The Company shall on request supply a certificate signed by a director as to its full compliance with the requirements of clause 3.3.2 above.

4. ANNOUNCEMENTS

- 4.1 Neither party will make or permit to be made any announcement or disclosure of its prospective interest in the Tender without the prior written consent of the other party.
- 4.2 Neither party shall make use of the other party's name or any information acquired through its dealings with the other party for publicity or marketing purposes without the prior written consent of the other party.

5. DURATION

The obligations of each party and its Agents under this Agreement shall survive the termination of any discussions or negotiations between the parties regarding the Tender and continue thereafter for a period of 5 [five] years.

6. PRINCIPAL

Each party confirms that it is acting as principal and not as nominee, agent or broker for any other person and that it will be responsible for any costs incurred by it or its advisers in considering or pursuing the Tender and in complying with the terms of this Agreement.

7. ADEQUACY OF DAMAGES

Nothing contained in this Agreement shall be construed as prohibiting the Disclosing Party from pursuing any other remedies available to it, either at law or in equity, for any such threatened or actual breach of this Agreement, including specific performance, recovery of damages or otherwise.

8. PRIVACY AND DATA PROTECTION

- 8.1 The Receiving Party undertakes to comply with South Africa's general privacy protection in terms Section 14 of the Bill of Rights in connection with this Tender and shall procure that its personnel shall observe the provisions of such Act [as applicable] or any amendments and re-enactments thereof and any regulations made pursuant thereto.
- 8.2 The Receiving Party warrants that it and its Agents have the appropriate technical and organisational measures in place against unauthorised or unlawful processing of data relating to the Tender and against accidental loss or destruction of, or damage to such data held or processed by them.

9. GENERAL

- 9.1 Neither party may assign the benefit of this Agreement, or any interest hereunder, except with the prior written consent of the other, save that Transnet may assign this Agreement at any time to any member of the Transnet Group.
- 9.2 No failure or delay in exercising any right, power or privilege under this Agreement will operate as a waiver of it, nor will any single or partial exercise of it preclude any further exercise or the exercise of any right, power or privilege under this Agreement or otherwise.
- 9.3 The provisions of this Agreement shall be severable in the event that any of its provisions are held by a court of competent jurisdiction or other applicable authority to be invalid, void or otherwise unenforceable, and the remaining provisions shall remain enforceable to the fullest extent permitted by law.
- 9.4 This Agreement may only be modified by a written agreement duly signed by persons authorised on behalf of each party.
- 9.5 Nothing in this Agreement shall constitute the creation of a partnership, joint venture or agency between the parties.
- 9.6 This Agreement will be governed by and construed in accordance with South African law and the parties irrevocably submit to the exclusive jurisdiction of the South African courts.

Signed

Date

Name

Position

Tenderer