



PEER REVIEW OF VALUATIONS**REVIEW CERTIFICATE**

Date: 18/02/2025

**PEER REVIEW ON VALUATION REPORT PERFORMED BY DDP VALUERS FOR SITE
LEASED BY ASTRON ENERGY JOINT BULK SERVICES, PORTSIDE ROAD HARBOUR,
PORT OF CAPE TOWN: (Refer to Report for Detail Information)**

DESCRIPTION	ASSET NUMBER	MARKET VALUE
Erf 148408, Port of Cape Town	MOVEABLE ASSETS	R107,944,000.00

I Certify That, To the Best of My Knowledge and Belief That I Abedinego Munsanje – National Manager Valuations:

- The Statements of Fact and Data Reported by The Reviewer and Used in The Review Process Are True and Correct.
- The Reported Analyses, Opinions, And Conclusions in This Review Report Are Limited Only by The Assumptions and Limiting Conditions Stated in This

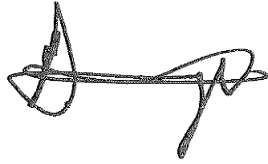
Review Report, And Are My Personal, Impartial, And Unbiased Professional Analyses, Opinions, And Conclusions.

- I Have No Present or Prospective Interest in The Properties That Is the Subject of The Work Under Review and No Personal Interest with Respect to The Parties Involved.
- I Have No Bias with Respect to The Properties That Is the Subject of The Work Under Review or The Parties Involved with This Assignment.
- My Engagement in This Assignment Was Not Contingent Upon Developing or Reporting Predetermined Results.
- My Analyses, Opinions, And Conclusions Were Developed and This Review Report Was Prepared in Conformity With The Uniform Standards Of Professional Valuers Practice.

Unless Otherwise Stated, I Have:

- a) Read The Entire Valuation Reports And Addenda And Materials Provided To Support The Analysis Therein And Agree With The Values As Provided By Valuers.**
- b) Reconciled Descriptive Information And Mathematical Calculations Relative To The Property And All Valuation Approaches, Unless Otherwise Stated.**
- c) Reviewed And Verified The Integrity Of All Approaches Presented In The Valuation Reports, Unless Otherwise Stated.**

d) Only The Information That Was Considered By The Original Valuer Was Used In Developing An Opinion As To The Quality Of The Work Under Review.



Mr. A Munsanje (Reviewed By)

National Valuation Manager

Reg No: 6339/9

(M) SACPVP

TPL PEER REVIEW

Valuation Report

MULTIPLE ASSETS

**SITE: ASTRON ENERGYJOINT BULK
SERVICES FACILITY
PORTSIDE ROAD
TABLE BAY HARBOUR
PORT OF CAPE TOWN
WESTERN CAPE PROVINCE**

**ERF 148408 CAPE TOWN
CAPE REGISTRATION DIVISION
WESTERN CAPE PROVINCE**

DDP REFERENCE: ACT14199 /

PROJECT NUMBER: 16788P



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1. CONTACT DETAILS

Client / Instructing Party	Kantey & Templer (Pty) Ltd
Name	Helen Dunnell
Title	Associate
Organisation	Kantey & Templer (Pty) Ltd
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Phone	+27 (21) 405 9600
Fax	+27 (21) 419 6774
Email	hdunnell@ct.kanteys.co.za
Website	www.kanteys.co.za

Valuer / Company	DDP Valuation and Advisory Services (Pty) Ltd
Name	Malcolm Gardiner
Title	Professional Associated Valuer
Address	Menlyn Square Office Park North West Suite 1st Floor, East Block 134 Aramist Avenue Menlyn, Pretoria South Africa
Phone	+27 (11) 678 7766
Fax	+27 (11) 678 7841
Mobile	+27 (61) 403 9552
Email	malcolm.gardiner@ddp.co.za
Website	www.ddp.co.za

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2. SUMMARY OF KEY FACTS

Movable Property	All structural, mechanical and electrical moveable assets as well as the civils located at the Joint Bunker Services Facility
Physical Address	Off Portside Road Table Bay Harbour Port of Cape Town Cape Town 8000 Western Cape Province
GPS Co-Ordinates	33°55'0.37"S 18°26'46.21"E
Date of Inspection	03 November 2022
Effective Date of Valuation	01 November 2022
Method of Valuation	Market Value
Property Type	All structural, mechanical, and electrical moveable assets as well as the civils.
Market Value (Civils)	R14,327,000.00
Market Value (Movables)	R107,944,000.00

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3. INTRODUCTION

3.1 INSTRUCTION

Ms. Helen Dunnell on behalf of Kantey & Templer (Pty) Ltd, has instructed DDP Valuation and Advisory Services (Pty) Ltd to determine the market values of all structural, mechanical and electrical moveable assets as well as the civils located at the Joint Bunker Services Facility as described in this report.

3.2 PURPOSE OF VALUATION

The purpose of this valuation report is to determine the Market Value of the assets as identified as at the date of valuation.

3.3 METHOD OF VALUATION

Cost Approach

The cost approach is commonly adopted for plant and equipment, particularly in the case of individual assets that are specialised or special-use facilities. The first step is to estimate the cost to a market participant of replacing the subject asset by reference to the lower of either reproduction or replacement cost. The replacement cost is the cost of obtaining an alternative asset of equivalent utility; this can either be a modern equivalent providing the same functionality or the cost of reproducing an exact replica of the subject asset. After concluding on a replacement cost, the value should be adjusted to reflect the impact on value of physical, functional, technological, and economic obsolescence on value. In any event, adjustments made to any particular replacement cost should be designed to produce the same cost as the modern equivalent asset from an output and utility point of view.

3.4 DEFINITION OF OPEN MARKET VALUE

The estimated amount for which an asset or liability should exchange on the valuation date between a willing buyer and a willing seller in an arm's length transaction, after proper marketing and where the parties had each acted knowledgeably, prudently and without compulsion.

3.5 DATE OF INSPECTION

03 November 2022

3.6 EFFECTIVE DATE OF VALUATION

01 November 2022

3.7 INFORMATION SOURCES

Client (Kantey & Templer)
Own records
Local and National auctioneers

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3.8 ASSUMPTIONS

All items have been listed and valued according to a high level asset register compiled by Kantey & Templer consulting engineers, which indicates the estimated new replacement cost of all the mechanical, electrical, civil and instrumentation components as well as the various tanks, tank bases, tank stairways and gantries. It is assumed that these estimates include import duties and installation labour costs.

Physical inspections of the various components were conducted as far as possible in line with this register and a layout plan of the facility. Those areas or items which were covered, unexposed or inaccessible have not been inspected. Neither has a structural survey of the civil works been undertaken, nor has the testing of electrical, mechanical or other services and instruments been requested. This valuation assumes that the existing services and civils are in a satisfactory state of repair and condition unless otherwise stated in our report.

3.9 SPECIAL ASSUMPTIONS

Nil.

4. LOCATION AND SITUATION

4.1. LOCATION

The subject premises is a leased premises located within the Table Bay Harbour in the Port of Cape Town and comprises a Joint Bulk Services Facility (JBS Facility) that belongs to Astron Energy.

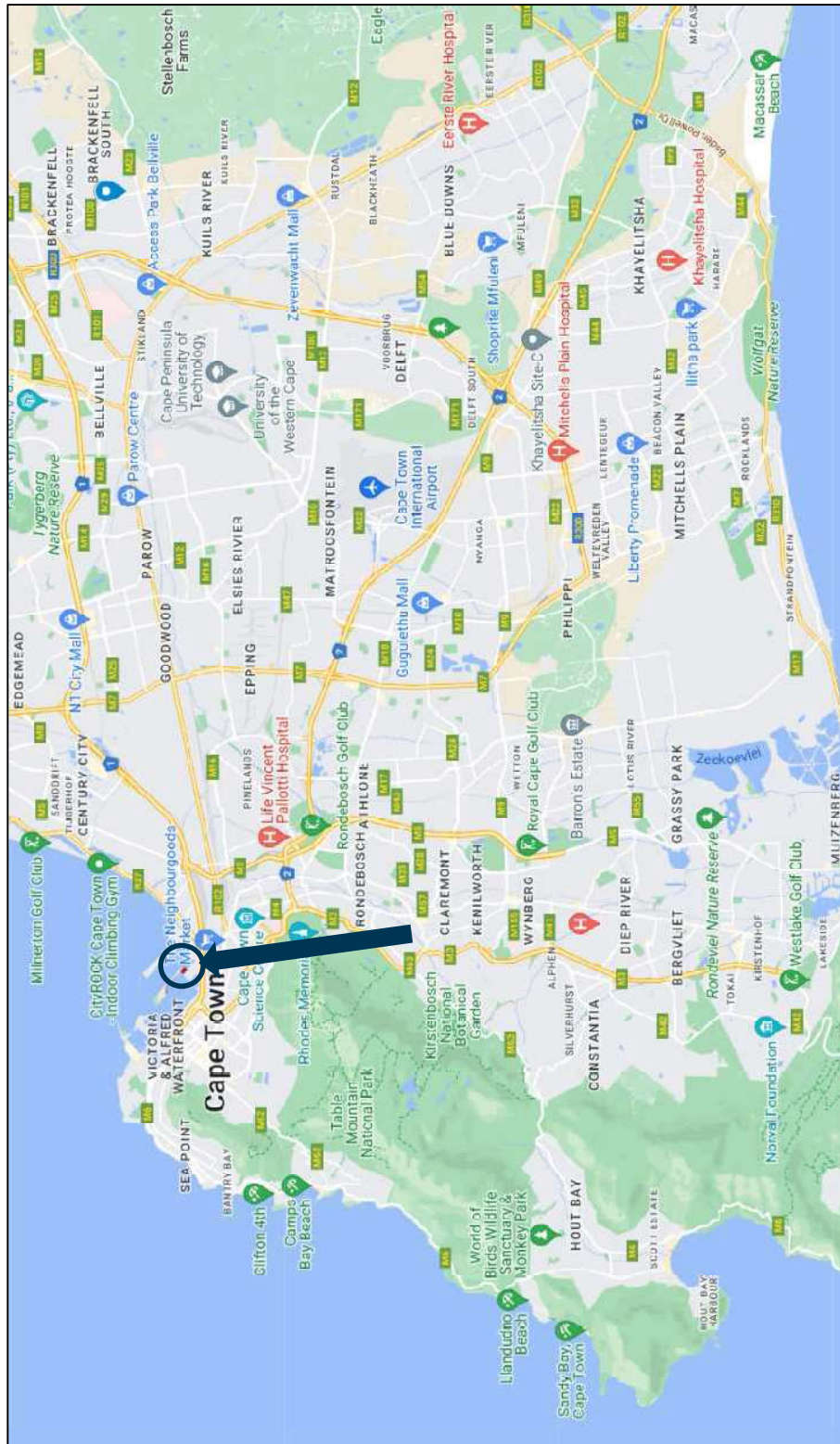


Figure 1.1: Location of the subject facility in relation to other important nodes

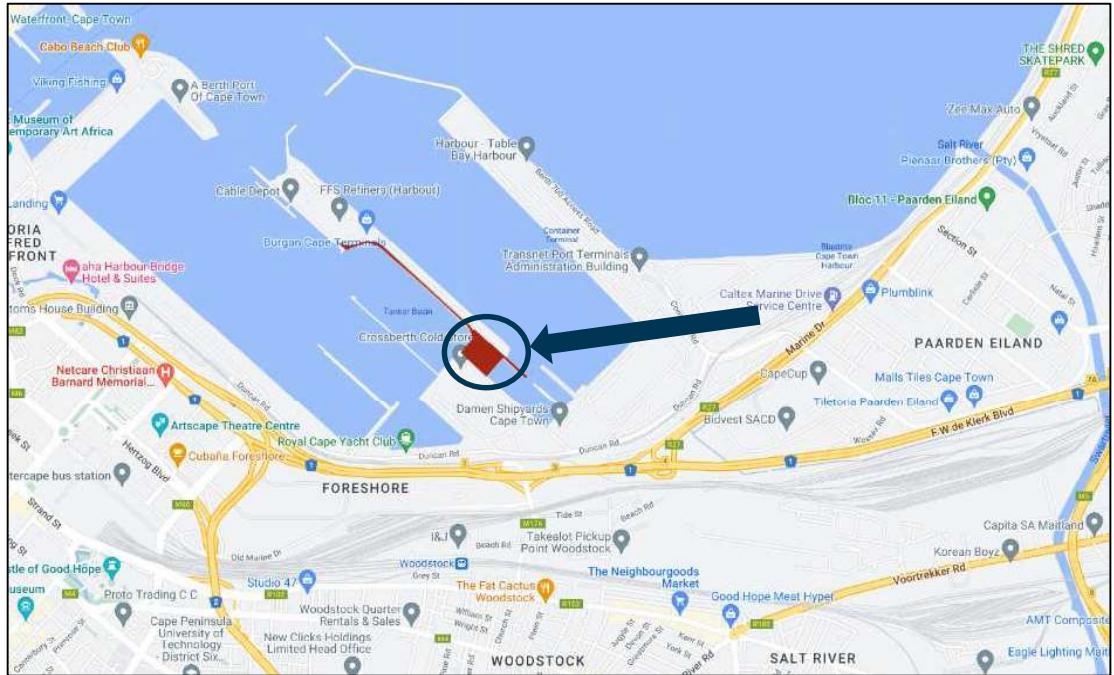


Figure 1.2: Location of the subject facility

Coordinates at the main gate: 33°55'0.37"S 18°26'46.21"E

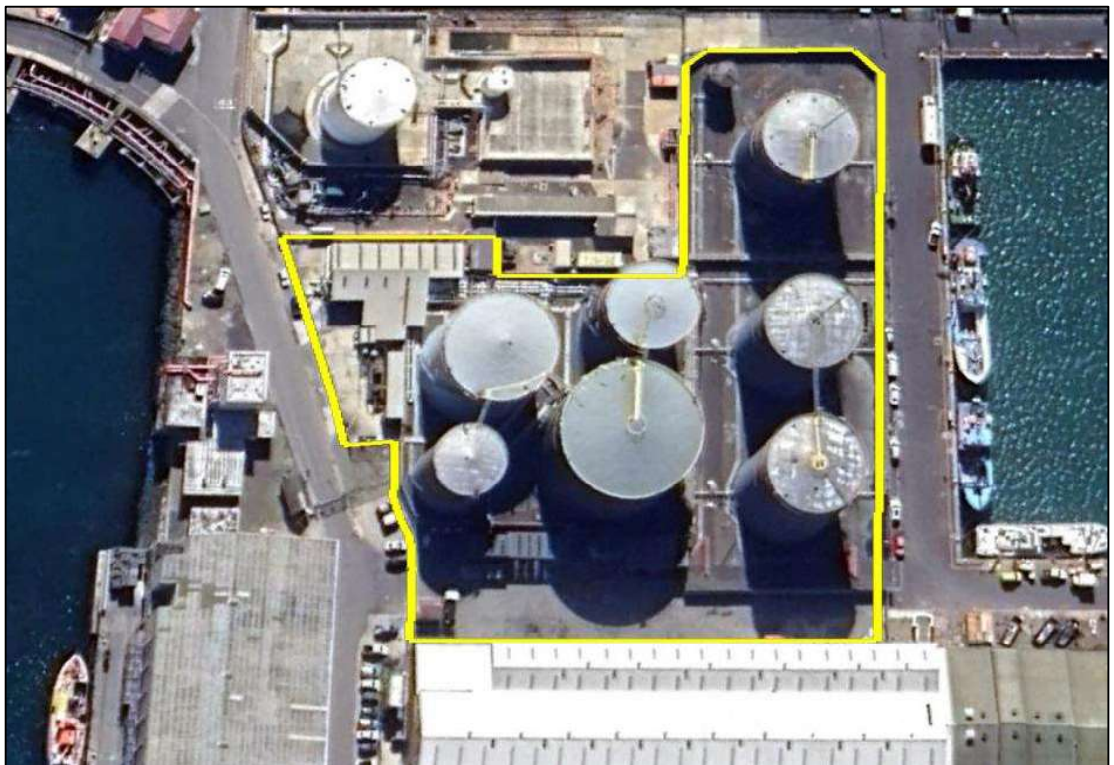


Figure 2: Aerial view of the subject facility

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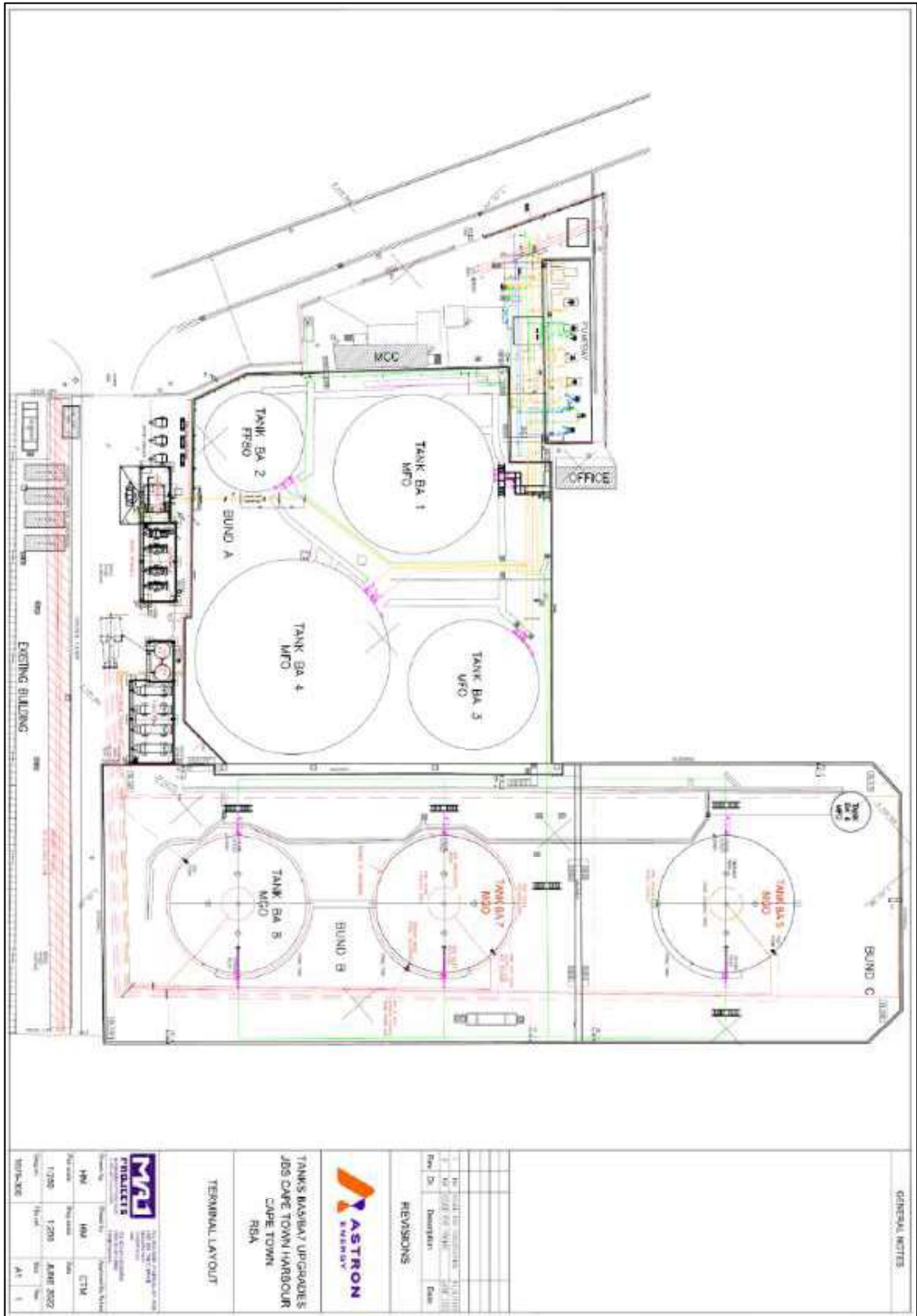


Figure 3: Aerial view of the subject facility

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5. DESCRIPTION OF IMPROVEMENTS

The scope of this valuation entails all civils and structural, mechanical, and electrical moveable assets located at the JBS. The scope **excludes building improvements**.

The moveable assets scope will cover the following:

A. Tank Farm

- All tanks viz. BA1, BA2, BA3, BA4, BA5, BA6, BA7, BA8 and Meter Calibration Horizontal Tank
- Inter-tank Walkways
- Tank Bases and Ring Beams
- Tank Farm piping
- Firefighting piping
- Tank gauging equipment

B. Fire Fighting

- Firefighting Foam Concentrate Tanks
- Firefighting Engine and Pump

C. Pump Slab

- Pumps and associated piping & valves
- Air eliminator vessels
- Proving scale
- Coriolis meters

D. Separator Area

- Pumps and oil skimmers

E. Berth to Terminal

- Hoses
- Hose trailer
- Pipelines, MGO and HFO pipelines.

From an operational perspective, the general condition of the equipment valued appears to be good and functional. There is evidence of pitting on some of the pipes, small cracks in some of the bund walls, rust and corrosion on some of the instrumentation and general wear and tear on much of the equipment.

Verification

All items have been listed and valued according to a high level asset register compiled by Kantey & Templer consulting engineers, which indicates the estimated new replacement cost of all the mechanical, electrical, civil and instrumentation components as well as the various tanks, tank bases, tank stairways and gantries. It is assumed that these estimates include import duties and installation labour costs. Physical inspections of the various components were conducted as far as possible in line with this register and a layout plan of the facility, and it is assumed that register is definitive and includes all necessary components.



Considering the nature of the assets and the location of the facility, due cognisance has been taken of the erosive nature of the throughput fuels, the corrosive nature of the salt air, wind and airborne sand particles in the Port area in our application of the relevant physical and functional depreciation and economic obsolescence in our determination of value.

We have applied the Cost Approach (Depreciated Replacement Cost) in order to determine the market value of the assets. This approach provides an indication of value using the economic principle that a buyer will pay no more for an asset than the cost to obtain an asset of equal utility, whether by purchase or by construction.

This approach is commonly adopted for the valuation of plant and equipment particularly in the case where market sales data is limited or unreliable. The current replacement and/or reproduction cost is established from which an appropriate allowance for physical deterioration, functional depreciation and economic obsolescence is considered and deducted from the new replacement cost of the assets.

The logic behind this approach is the principal of substitution i.e. a prudent buyer will not pay more for an asset than the cost of acquiring a substitute asset of equivalent utility.

Key inputs used in valuation calculations:

Current replacement cost - defined as “the current cost of a similar new property having the nearest equivalent utility as the property being appraised, as of a specific date (in this instance, the replacement costs provided by Kantey & Templer Consulting Engineers).

Age and lifespan data - Expected lifespan estimates used in the cost-based approach are usually based on the following information, observations & assumptions:

- General lifespan estimates obtained from agents and/or manufacturers.
- Consultation with key technical and operational personnel.
- Physical observations and condition of items and infrastructure.
- That market and product outlook will remain favourable over the estimated remaining useful lifespan of the assets.
- Plant / industry lifespan studies & guidelines.
- That adequate expenditure will be allocated to asset servicing and maintenance programmes in line with manufacturers specifications.

In terms of the assignment scope, the land belongs to the Transnet National Ports Authority (TNPA). It is envisaged that upon expiry of the current lease that all moveable assets would have to be removed, and that immovable assets would be returned to TNPA upon expiry of the lease. The civils would be considered to be immovable as they are invariably affixed to the land. However, since the scope refers to civils, we have provided separate values for this and the balance of the moveable assets (which have been valued “Ex-Situ”).

DECLARATION

We hereby certify that a fair open market, on the basis of a willing buyer and a willing seller, for the above described assets equate to a total amount of:

Market Value (Civils)

Summary	
Discipline	Value
Civils	R14,326,890.20
TOTAL (ROUNDED)	R14,327,000.00

R14,327,000.00 (Fourteen Million Three Hundred and Twenty Seven Thousand Rand Only)

Market Value (Movables)

Summary	
Discipline	Value
Electrical	R3,928,000.00
Instrumentation	R2,163,200.00
Mechanical	R24,089,722.40
Tank Bases	R16,719,515.00
Tank Stairs	R97,815.00
Tanks	R60,945,600.00
TOTAL (ROUNDED)	R107,944,000.00

R107,944,000.00 (One Hundred and Seven Million Nine Hundred and Forty Four Thousand Rand Only)



Malcolm Gardiner (MIVSA)
Professional Associated Valuer (South Africa)
 (SACPVP Reg. No: 4330)



I Hanslo (MIVSA)
Professional Valuer (South Africa)
 (SACPVP Reg. No: 3251)

Date: 11 November 2022

APPENDIX A: BRIEF/ INSTRUCTION

Commercial Valuation Fee Proposal For

To:	Ms. Helen Dunnell Associate Kantley & Tempier Consulting Engineers 119 Hertzog Boulevard Foreshore Cape Town 8001	Reference:	WC22/5231
Per email:	hdunnell@cf.kantleys.co.za	Date:	31 August 2022

DDP Valuation and Advisory Services (Pty) Ltd would like to thank you for allowing us to submit a quotation in anticipation of preparing a valuation report for the Determination of Value of Joint Bunker Services Property (Buildings and other structures), Plant and Machinery (including Specialised Refinery Plant and Equipment) in Table Bay Harbour between Portside Road and Eastern Mole Access Road (as depicted in an aerial photograph sent by way of email on 31 August 2022), used for the supply of fuel oil, gas oil and blended fuels etc.

Property Details

Our valuation report will be completed in accordance with both local and international standards, namely, the prescriptions and guidelines laid down by the South African Council for the Property Valuers Profession (SACPVP) in accordance with the Property Valuers Professions Act of 2000, the International Valuation Standards Council (IVSC); and the International Accounting Standards (IAS).

Brief

In terms of your brief, you require:

1. A Market Value assessment of the Property (Buildings and other structures), Plant and Machinery (including Specialised Refinery Plant and Equipment).
2. Exclusions include Land (as the land in which this facility is located is leased), Furniture, Vehicles and Buried Assets.

Time Frame

The projected time frame is dependent on the quality of the information we receive, and the readily availability thereof. Once all the relevant information is received, the engagement is estimated to take between 20 to 30 working days. Should there be a delay in obtaining the required information, the time frame will be adjusted accordingly.

Information Required

Once our appointment for the valuation has been confirmed, we will require the following:

- Contact details to arrange a suitable time to inspect the properties; and
- Confirmation of Title Deed description and approved building plans etc.
- High level asset register compiled by K&T of subject assets to be reviewed to be made available to DDP including corresponding itemised replacement costs.

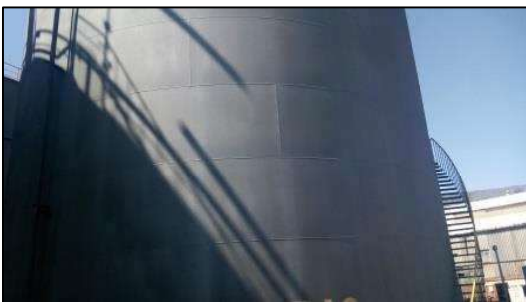
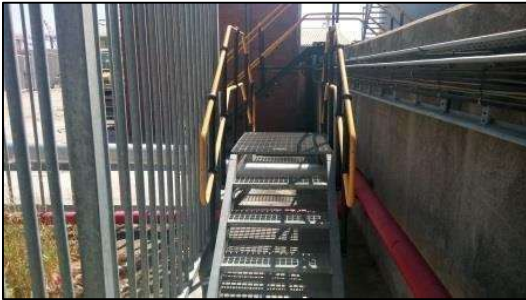
APPENDIX B: PHOTOGRAPHS









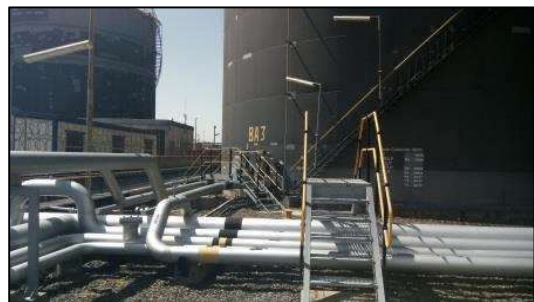
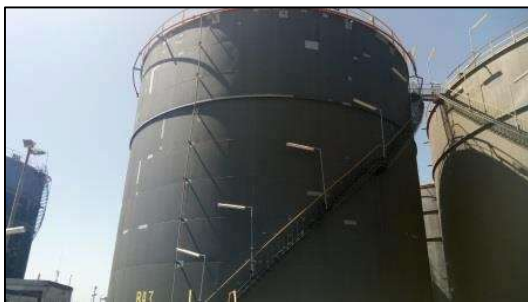


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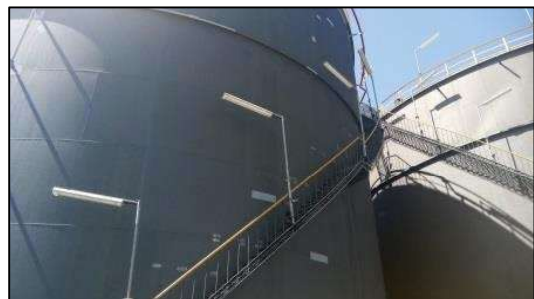
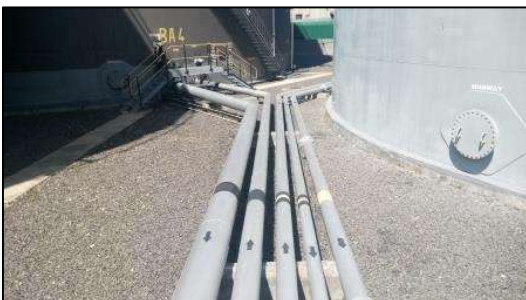




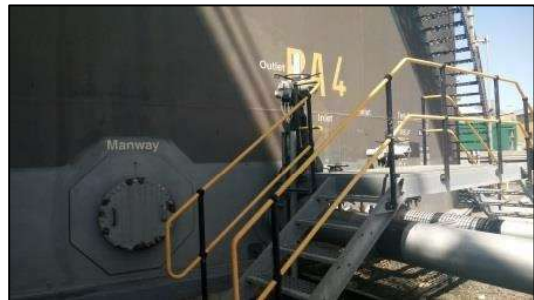
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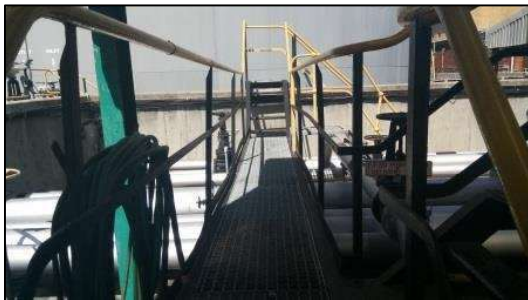


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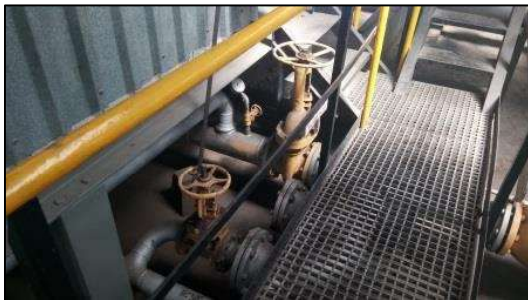


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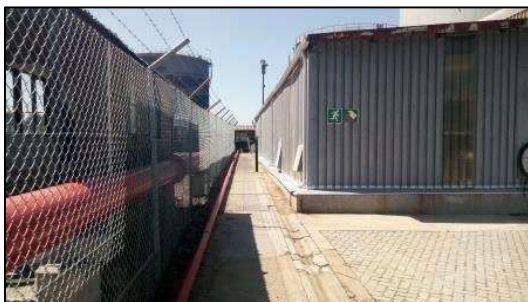


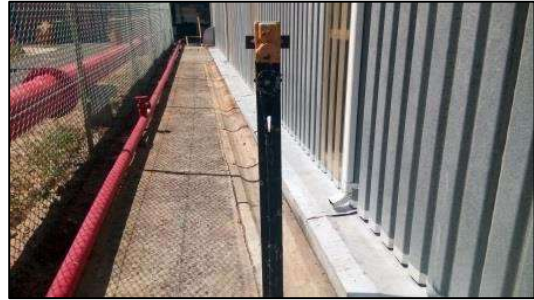




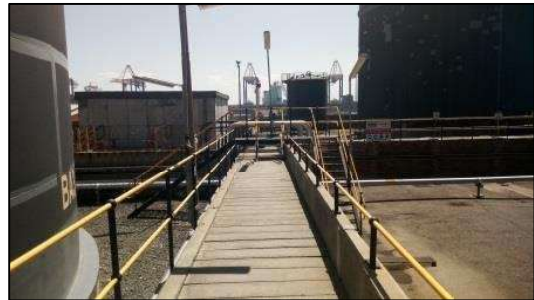




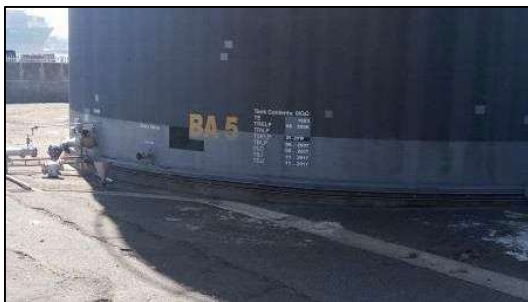
















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APPENDIX C: ASSET LIST WITH INDIVIDUAL VALUES

Civils						
Description	Unit	Qty	Rate	Replacement Cost	Depreciation	Value
Palisade Fencing	m	88.70	R4,900.00	R434,630.00	50.00%	R217,315.00
Diamond Mesh Fencing	m	43.00	R2,800.00	R120,400.00	50.00%	R60,200.00
Vehicle Access Gate, 5m wide	No	3.00	R49,000.00	R147,000.00	50.00%	R73,500.00
Vehicle Access Gate, 6m wide	No	1.00	R58,800.00	R58,800.00	50.00%	R29,400.00
Pedestrian Gate, standard	No	1.00	R7,000.00	R7,000.00	50.00%	R3,500.00
Concrete Block paving	m ²	1,650.00	R,800.00	R1,320,000.00	30.00%	R924,000.00
Concrete Hardstand	m ²	540.00	R1,600.00	R864,000.00	40.00%	R518,400.00
Battery Chargers parking stand	No	3.00	R9,685.00	R29,055.00	40.00%	R17,433.00
Gate Valve shed	m ²	44.10	R6,840.00	R301,644.00	50.00%	R150,822.00
Jo-Jo Tanks canopy	m ²	18.91	R6,840.00	R129,344.40	30.00%	R90,541.08
Hose Trolleys canopy	m ²	70.20	R6,840.00	R480,168.00	30.00%	R336,117.60
Meter Trolley Shed	m ²	32.94	R6,840.00	R225,309.60	30.00%	R157,716.72
Pump bay, 9x pump plinths, columns and canopy	m ²	229.60	R6,790.00	R1,558,984.00	55.00%	R701,542.80
Piping Culvert, width = 3.5m, length = 96m, depth = 1m	m	96.60	R17,000.00	R1,642,200.00	50.00%	R821,100.00
Bund walls Concrete, height = 2.4m	m	470.00	R8,830.00	R4,150,100.00	50.00%	R2,075,050.00
Bund walls Concrete, height = 2.1m	m	30.00	R7,170.00	R215,100.00	50.00%	R107,550.00
Bund walls Brickwork, height = 2.1m	m	30.00	R8,090.00	R242,700.00	50.00%	R121,350.00
Bund Paving Crusher run (Bund A) incl. concrete spillways	m ²	3,203.00	R1,045.00	R3,347,135.00	40.00%	R2,008,281.00
Bund Paving Asphalt (Bund B & C) incl. concrete spillways	m ²	2,302.80	R2,565.00	R5,906,682.00	45.00%	R3,248,675.10
Trenching for Underground Product Piping	m	491.20	R,640.00	R314,368.00	45.00%	R172,902.40
Oily water Drainage	m	260.00	R4,560.00	R1,185,600.00	55.00%	R533,520.00
Entrance Separator, 20m2	No	1.00	R150,000.00	R150,000.00	55.00%	R67,500.00
Bund B Separator, 14m2	No	1.00	R130,800.00	R130,800.00	45.00%	R71,940.00
Kerb Dispenser separator, 28m2	No	1.00	R82,730.00	R82,730.00	45.00%	R45,501.50
Walkovers (bund access stairs, walkways, and step-overs)	No	16.00	R123,765.00	R1,980,240.00	45.00%	R1089,132.00
Admin Office Block	m2	27	14 000.00	378 000.00	50.00%	R189,000.00
Container Security at entrance	No	1	56 000.00	56 000.00	60.00%	R22,400.00
MCC Room	m2	75	14 000.00	1 050 000.00	55.00%	R472,500.00
TOTAL				R26,507,990.00		R14,326,890.20

Electrical						
Description	Unit	Qty	Rate	Replacement Cost	Depreciation	Value
1500kVA main transformer	No	2.00	R1,500,000.00	R3,000,000.00	60.00%	R1,200,000.00
Main DB / MCC	Sum	1.00	R1,000,000.00	R1,000,000.00	60.00%	R400,000.00
Actuator DB	Sum	1.00	R35,000.00	R35,000.00	60.00%	R14,000.00
Battery charging station	No	3.00	R120,000.00	R360,000.00	60.00%	R144,000.00
MFO pump 1 motor, 150kW, 2P	No	1.00	R404,000.00	R404,000.00	60.00%	R161,600.00
MFO pump 2 motor, 190kW, 4P	No	1.00	R450,000.00	R450,000.00	60.00%	R180,000.00
MFO pump 3 motor, 375kW, 4P	No	1.00	R800,000.00	R800,000.00	60.00%	R320,000.00
MFO pump 4 motor, 315kW, 4P	No	1.00	R750,000.00	R750,000.00	60.00%	R300,000.00
MGO pump 1 motor, 110kW, 2P	No	1.00	R301,000.00	R301,000.00	60.00%	R120,400.00
MGO pump 2 motor, 15kW, 2P	No	1.00	R48,000.00	R48,000.00	60.00%	R19,200.00
MGO pump 3 motor, 110kW, 2P	No	1.00	R301,000.00	R301,000.00	60.00%	R120,400.00
MGO pump 4 motor, 18.5kW	No	1.00	R48,500.00	R48,500.00	60.00%	R19,400.00
Meter calibration return pump motor, 7.5kW	No	1.00	R29,500.00	R29,500.00	60.00%	R11,800.00
FF80 Pump 1, 39.5kW, 4P	No	1.00	R120,000.00	R120,000.00	60.00%	R48,000.00
FF80 Pump 2, 150kW, 4P	No	1.00	R331,000.00	R331,000.00	60.00%	R132,400.00
Rotork Valve actuator, 250 gate	No	9.00	R80,000.00	R720,000.00	60.00%	R288,000.00
Rotork Valve actuator, 300 gate	No	1.00	R85,000.00	R85,000.00	60.00%	R34,000.00
Rotork Valve actuator, 350 gate	No	1.00	R85,000.00	R85,000.00	60.00%	R34,000.00
Rotork Valve actuator, 450 gate	No	1.00	R90,000.00	R90,000.00	60.00%	R36,000.00
Cathodic Protection	Sum	1.00	R150,000.00	R150,000.00	60.00%	R60,000.00
SDB-Entrance DB	Sum	1.00	R50,000.00	R50,000.00	60.00%	R20,000.00
SDB- Trolleys 02 DB	Sum	1.00	R50,000.00	R50,000.00	60.00%	R20,000.00
Tank lighting	No	54.00	R10,000.00	R540,000.00	60.00%	R216,000.00
Perimeter / site lighting	No	12.00	R6,000.00	R72,000.00	60.00%	R28,800.00
TOTAL				R9,820,000.00		R3,928,000.00



Instrumentation						
Description	Unit	Qty	Rate	Value	Depreciation	Value
Radar ATG, c/w temperature compensation	No	7.00	R350,000.00	R2,450,000.00	60.00%	R980,000.00
ATG PC & Software	Sum	1.00	R150,000.00	R150,000.00	60.00%	R60,000.00
SCADA system	Sum	1.00	R150,000.00	R150,000.00	60.00%	R60,000.00
Overfill protection HL switch	No	7.00	R80,000.00	R560,000.00	60.00%	R224,000.00
Trolley mounted Coriolis flow meter, diam. = 100mm	No	2.00	R380,000.00	R760,000.00	60.00%	R304,000.00
Trolley mounted Coriolis flow meter, diam. = 150mm	No	2.00	R400,000.00	R800,000.00	60.00%	R320,000.00
Pressure transmitters, complete	No	4.00	R35,000.00	R140,000.00	60.00%	R56,000.00
Pressure gauges	No	16.00	R3,000.00	R48,000.00	60.00%	R19,200.00
Meter-prover	No	1.00	R350,000.00	R350,000.00	60.00%	R140,000.00
TOTAL				R5,408,000.00		R2,163,200.00

Mechanical						
Description	Unit	Qty	Rate	Value	Depreciation	Value
Pumps:						
MFO Pump 1, Positive Displacement, 150kW, 2400rpm	No	1.00	R580,000.00	R580,000.00	60.00%	R232,000.00
MFO Pump 2, Positive Displacement, 186.5kW, 1470rpm	No	1.00	R620,000.00	R620,000.00	60.00%	R248,000.00
MFO Pump 3, Positive Displacement, 375kW, 1490rpm	No	1.00	R1,100,000.00	R1,100,000.00	60.00%	R440,000.00
MFO Pump 4, Positive Displacement, 315kW, 1490rpm	No	1.00	R1,100,000.00	R1,100,000.00	60.00%	R440,000.00
MGO Pump 1, Centrifugal, 110kW, 2965rpm	No	1.00	R250,000.00	R250,000.00	60.00%	R100,000.00
MGO Pump 2, Centrifugal, ?kW/2974rpm	No	1.00	R120,000.00	R120,000.00	60.00%	R48,000.00
MGO Pump 3, Centrifugal, ?kW/2800rpm	No	1.00	R250,000.00	R250,000.00	60.00%	R100,000.00
MGO Pump 4, Centrifugal, 18.5kW, 1440rpm	No	1.00	R160,000.00	R160,000.00	60.00%	R64,000.00
Sump Pump, Centrifugal,	No	1.00	R100,000.00	R100,000.00	60.00%	R40,000.00
FF80 Pump 1, Positive Displacement, 39.5kW, 1500rpm	No	1.00	R200,000.00	R200,000.00	60.00%	R80,000.00
FF80 Pump 2, Positive Displacement, 150kW, 1450rpm	No	1.00	R580,000.00	R580,000.00	60.00%	R232,000.00
Positive Displacement Pump, next to meters and calibration tank, inlet 4", outlet 4"	No	1.00	R210,000.00	R210,000.00	60.00%	R84,000.00
Note: The rates for pumps above are only for the units themselves. The motors are priced under electrical tab.						

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Mechanical						
Description	Unit	Qty	Rate	Value	Depreciation	Value
Piping within tank farm area only:						
Product, CS piping, insulated no, diam. = 400mm	m	123.50	R18,970.00	R2,342,795.00	60.00%	R937,118.00
Product, CS piping, insulated no, diam. = 350mm	m	49.70	R16,600.00	R825,020.00	60.00%	R330,008.00
Product, CS piping, insulated no, diam. = 300mm	m	57.50	R14,230.00	R818,225.00	60.00%	R327,290.00
Product, CS piping, insulated no, diam. = 250mm	m	143.40	R11,950.00	R1,713,630.00	60.00%	R685,452.00
Product, CS piping, insulated no, diam. = 200mm	m	609.00	R9,560.00	R5,822,040.00	60.00%	R2,328,816.00
Product, CS piping, insulated no, diam. = 150mm	m	14.00	R7,170.00	R100,380.00	60.00%	R40,152.00
Product, CS piping, insulated no, diam. = 100mm	m	208.00	R4,780.00	R994,240.00	60.00%	R397,696.00
Product, CS piping, insulated no, diam. = 80mm	m	5.40	R4,320.00	R23,328.00	60.00%	R9,331.20
Piping supply to Landing Wharf only:						
VLSFO supply to Landing Wharf, CS piping, diam. = 450mm	m	268.00	R22,764.00	R6,100,752.00	60.00%	R2,440,300.80
VLSFO supply to Landing Wharf, CS piping, diam. = 250mm	m	55.00	R11,950.00	R657,250.00	60.00%	R262,900.00
VLSFO supply to Landing Wharf, CS piping, diam. = 200mm	m	600.00	R9,560.00	R5,736,000.00	60.00%	R2,294,400.00
VLSFO supply to Landing Wharf, CS piping, diam. = 150mm	m	8.00	R7,170.00	R57,360.00	60.00%	R22,944.00
VLSFO supply to Landing Wharf, CS piping, diam. = 100mm	m	10.00	R4,780.00	R47,800.00	60.00%	R19,120.00
VLSFO supply to Landing Wharf, CS piping, diam. = 50mm	m	9.00	R1,050.00	R9,450.00	60.00%	R3,780.00
HSFO supply to Landing Wharf, CS piping, diam. = 300mm	m	268.00	R14,230.00	R3,813,640.00	60.00%	R1,525,456.00
HSFO supply to Landing Wharf, CS piping, diam. = 200mm	m	55.00	R11,950.00	R657,250.00	60.00%	R262,900.00
HSFO supply to Landing Wharf, CS piping, diam. = 150mm	m	553.00	R9,560.00	R5,286,680.00	60.00%	R2,114,672.00
HSFO supply to Landing Wharf, CS piping, diam. = 50mm	m	9.00	R1,050.00	R9,450.00	60.00%	R3,780.00
MGO supply to Landing Wharf, CS piping, diam. = 250mm	m	323.00	R11,950.00	R3,859,850.00	60.00%	R1,543,940.00
MGO supply to Landing Wharf, CS piping, diam. = 150mm	m	608.00	R9,560.00	R5,812,480.00	60.00%	R2,324,992.00
MGO supply to Landing Wharf, CS piping, diam. = 100mm	m	13.00	R7,170.00	R93,210.00	60.00%	R37,284.00
MGO supply to Landing Wharf, CS piping, diam. = 50mm	m	9.00	R1,050.00	R9,450.00	60.00%	R3,780.00

Mechanical						
Description	Unit	Qty	Rate	Value	Depreciation	Value
Valves within tank farm area only:						
Ball valve, diam. = 15mm	No	5.00	R1,200.00	R6,000.00	60.00%	R2,400.00
Ball valve, diam. = 25mm	No	9.00	R1,600.00	R14,400.00	60.00%	R5,760.00
Ball valve, diam. = 100mm	No	1.00	R7,500.00	R7,500.00	60.00%	R3,000.00
Ball valve, diam. = 150mm	No	1.00	R18,500.00	R18,500.00	60.00%	R7,400.00
Ball valve, diam. = 200mm	No	7.00	R45,000.00	R315,000.00	60.00%	R126,000.00
Ball valve motorized, diam. = 250mm	No	6.00	R75,000.00	R450,000.00	60.00%	R180,000.00
Ball valve PRV bypass, diam. = 25mm	No	12.00	R1,600.00	R19,200.00	60.00%	R7,680.00
Check valve, diam. = 20mm	No	5.00	R1,400.00	R7,000.00	60.00%	R2,800.00
Check valve, diam. = 25mm	No	5.00	R1,690.00	R8,450.00	60.00%	R3,380.00
Check valve, diam. = 80mm	No	1.00	R7,000.00	R7,000.00	60.00%	R2,800.00
Check valve, diam. = 200mm	No	8.00	R28,000.00	R224,000.00	60.00%	R89,600.00
Check valve, diam. = 250mm	No	2.00	R32,000.00	R64,000.00	60.00%	R25,600.00
Check valve, diam. = 300mm	No	2.00	R35,000.00	R70,000.00	60.00%	R28,000.00
Gate valve, diam. = 15mm	No	2.00	R1,100.00	R2,200.00	60.00%	R,880.00
Gate valve, diam. = 20mm	No	20.00	R1,800.00	R36,000.00	60.00%	R14,400.00
Gate valve, diam. = 25mm	No	34.00	R2,000.00	R68,000.00	60.00%	R27,200.00
Gate valve, diam. = 40mm	No	1.00	R4,000.00	R4,000.00	60.00%	R1,600.00
Gate valve, diam. = 80mm	No	1.00	R6,000.00	R6,000.00	60.00%	R2,400.00
Gate valve, diam. = 100mm	No	7.00	R6,600.00	R46,200.00	60.00%	R18,480.00
Gate valve, diam. = 150mm	No	6.00	R10,300.00	R61,800.00	60.00%	R24,720.00
Gate valve, diam. = 200mm	No	8.00	R15,100.00	R120,800.00	60.00%	R48,320.00
Gate valve, diam. = 250mm	No	7.00	R20,400.00	R142,800.00	60.00%	R57,120.00
Gate valve, diam. = 300mm	No	6.00	R27,300.00	R163,800.00	60.00%	R65,520.00
Gate valve, diam. = 350mm	No	2.00	R32,000.00	R64,000.00	60.00%	R25,600.00
Gate valve, diam. = 400mm	No	1.00	R37,000.00	R37,000.00	60.00%	R14,800.00
Gate valve, diam. = 450mm	No	1.00	R42,000.00	R42,000.00	60.00%	R16,800.00
Gate valve motorized, diam. = 250mm, w actuator	No	3.00	R27,300.00	R81,900.00	60.00%	R32,760.00
Gate valve motorized, diam. = 300mm, w actuator	No	1.00	R32,000.00	R32,000.00	60.00%	R12,800.00
Gate valve motorized, diam. = 350mm, w actuator	No	1.00	R37,000.00	R37,000.00	60.00%	R14,800.00
Gate valve motorized, diam. = 450mm, w actuator	No	1.00	R42,000.00	R42,000.00	60.00%	R16,800.00
Glove valve, diam. = 80mm	No	1.00	R10,000.00	R10,000.00	60.00%	R4,000.00
TRV/PRV assembly, diam. = 25mm	No	17.00	R12,000.00	R204,000.00	60.00%	R81,600.00
PRV assembly, diam. = 80mm	No	1.00	R55,000.00	R55,000.00	60.00%	R22,000.00
PRV assembly, diam. = 100mm	No	1.00	R70,000.00	R70,000.00	60.00%	R28,000.00

Mechanical						
Description	Unit	Qty	Rate	Value	Depreciation	Value
Valves on Landing Wharf:						
CBCS Bunker Pit, w valve and compressed air connection	No	1.00	R90,000.00	R90,000.00	60.00%	R36,000.00
Bunker pits (Landing Wharf), complete w valves	No	6.00	R120,000.00	R720,000.00	60.00%	R288,000.00
Surge alleviators	No	3.00	R25,000.00	R75,000.00	60.00%	R30,000.00
Ball valve, diam. = 250mm	No	1.00	R20,400.00	R20,400.00	60.00%	R8,160.00
Ball valve, diam. = 200mm	No	7.00	R15,100.00	R105,700.00	60.00%	R42,280.00
Ball valve, diam. = 150mm	No	4.00	R10,300.00	R41,200.00	60.00%	R16,480.00
Ball valve, diam. = 100mm	No	4.00	R6,600.00	R26,400.00	60.00%	R10,560.00
Basket strainer, diam. = 200mm	No	1.00	R110,000.00	R110,000.00	60.00%	R44,000.00
Basket strainer, diam. = 150mm	No	1.00	R83,000.00	R83,000.00	60.00%	R33,200.00
Bellow, diam. = 250mm	No	1.00	R15,000.00	R15,000.00	60.00%	R6,000.00
Bellow, diam. = 200mm	No	3.00	R14,000.00	R42,000.00	60.00%	R16,800.00
Bellow, diam. = 150mm	No	5.00	R13,000.00	R65,000.00	60.00%	R26,000.00
Check valve, diam. = 250mm	No	1.00	R58,000.00	R58,000.00	60.00%	R23,200.00
Check valve, diam. = 200mm	No	3.00	R46,000.00	R138,000.00	60.00%	R55,200.00
Check valve, diam. = 150mm	No	5.00	R35,000.00	R175,000.00	60.00%	R70,000.00
TRV/PRV assembly w isolation valves, diam. = 25mm	No	3.00	R25,000.00	R75,000.00	60.00%	R30,000.00
<p>Note: The rates for MGO and MFO supply from the refinery and the MFO supply from the tanker berth(s) is included in the tank farm piping. The supply is from the adjacent Astron facility.</p>						
Firefighting pipelines:						
Firefighting, CS piping aboveground, diam. = 200mm	m	35.50	R9,560.00	R339,380.00	60.00%	R135,752.00
Firefighting, CS piping aboveground, diam. = 150mm	m	88.60	R7,170.00	R635,262.00	60.00%	R254,104.80
Firefighting, CS piping aboveground, diam. = 100mm	m	550.30	R4,780.00	R2,630,434.00	60.00%	R1,052,173.60
<p>Note: line items above include, tank foam supply, tank cooling supply, bund foam supply, ring main, etc.</p>						
Firefighting valves and other equipment:						
Ball valve, diam. = 100mm	No	5.00	R7,500.00	R37,500.00	60.00%	R15,000.00
Bermad Control Valve, diam. = 200mm	No	1.00	R215,000.00	R215,000.00	60.00%	R86,000.00
Butterfly valve, diam. = 200mm	No	3.00	R18,000.00	R54,000.00	60.00%	R21,600.00
Butterfly valve, diam. = 150mm	No	6.00	R8,000.00	R48,000.00	60.00%	R19,200.00
Butterfly valve, diam. = 100mm	No	6.00	R5,200.00	R31,200.00	60.00%	R12,480.00
Four-header Hydrant, riser diam. = 80mm	No	6.00	R45,000.00	R270,000.00	60.00%	R108,000.00
Fire Hose Box	No	5.00	R15,000.00	R75,000.00	60.00%	R30,000.00
Foam inductor, diam. = 100mm	No	5.00	R120,000.00	R600,000.00	60.00%	R240,000.00
MEX1800 Bund Foam Pourer	No	6.00	R35,000.00	R210,000.00	60.00%	R84,000.00
TPS80 Top Foam Pourer	No	2.00	R28,000.00	R56,000.00	60.00%	R22,400.00

Mechanical						
Description	Unit	Qty	Rate	Value	Depreciation	Value
Other:						
Battery Charger Trailer	No	3.00	R100,000.00	R300,000.00	60.00%	R120,000.00
Compressor	Sum	1.00	R60,000.00	R60,000.00	60.00%	R24,000.00
Compressed air reticulation	Sum	1.00	R125,000.00	R125,000.00	60.00%	R50,000.00
Hose Trailer	No	4.00	R25,000.00	R100,000.00	60.00%	R40,000.00
TOTAL				R60,224,306.00		R24,089,722.40

Tank Bases						
Description	Unit	Qty	Rate	Value	Depreciation	Value
Tank ring beams, BA1, diam. = 24m	No.	1.00	R1,227,110.00	R1,227,110.00	50.00%	R613,555.00
Ground improvement, BA1, diam. = 24m	Sum	1.00	R4,150,000.00	R4,150,000.00	50.00%	R2,075,000.00
Tank ring beams, BA2, diam. = 15m	No.	1.00	R479,840.00	R479,840.00	50.00%	R239,920.00
Ground improvement, BA2, diam. = 15m	Sum	1.00	R1,350,000.00	R1,350,000.00	50.00%	R675,000.00
Tank ring beams, BA3, diam. = 20m	No.	1.00	R823,320.00	R823,320.00	50.00%	R411,660.00
Ground improvement, BA3, diam. = 20m	Sum	1.00	R2,930,000.00	R2,930,000.00	50.00%	R1,465,000.00
Tank ring beams, BA4, diam. = 30m	No.	1.00	R1,856,400.00	R1,856,400.00	50.00%	R928,200.00
Ground improvement, BA4, diam. = 30m	Sum	1.00	R6,565,000.00	R6,565,000.00	50.00%	R3,282,500.00
Tank ring beams, BA5, diam. = 6m	No.	1.00	R80,430.00	R80,430.00	50.00%	R40,215.00
Tank ring beams, BA6, diam. = 21m	No.	1.00	R907,230.00	R907,230.00	50.00%	R453,615.00
Ground improvement, BA6, diam. = 21m	Sum	1.00	R3,750,000.00	R3,750,000.00	50.00%	R1,875,000.00
Tank ring beams, BA7, diam. = 21m	No.	1.00	R909,850.00	R909,850.00	50.00%	R454,925.00
Ground improvement, BA7, diam. = 21m	Sum	1.00	R3,750,000.00	R3,750,000.00	50.00%	R1,875,000.00
Tank ring beams, BA8, diam. = 21m	No.	1.00	R909,850.00	R909,850.00	50.00%	R454,925.00
Ground improvement, BA8, diam. = 21m	Sum	1.00	R3,750,000.00	R3,750,000.00	50.00%	R1,875,000.00
TOTAL				R33,439,030.00		R16,719,515.00

Inter-tank walkways/stairs						
Description	Unit	Qty	Rate	Value	Depreciation	Value
Inter Tank Walkways, BA1-BA2, length = 5m	No	1.00	71 040.00	R71,040.00	50.00%	R35,520.00
Inter Tank Walkways, BA1-BA4, length = 5.6m	No	1.00	76 030.00	R76,030.00	50.00%	R38,015.00
Inter Tank Walkways, BA3-BA4, length = 3.2m	No	1.00	48 560.00	R48,560.00	50.00%	R24,280.00
Note: The spiral stairs are included under tanks.						
TOTAL				R195,630.00		R97,815.00

Tanks							
Description	Size	Unit	Qty	Rate	Value	Depreciation	Value
Product storage tanks only:							
MFO Bulk Storage Tank, API650 vertical tank, BA1, diam. = 24.5m and height = 17m, insulated no, TPS no, cooling no, spiral stairs yes	7,170.00	m3	1.00	R22,700,000.00	R22,700,000.00	60.00%	R9,080,000.00
OUT OF SERVICE, BA2, API650 vertical tank, diam. = 15m and height = 14.5m, insulated no, TPS no, cooling no, spiral stairs yes	2,340.00	m3	1.00	R10,400,000.00	R10,400,000.00	60.00%	R4,160,000.00
MFO Bulk Storage Tank, BA3, API650 vertical tank, diam. = 20m and height = 18m, insulated no, TPS no, cooling no, spiral stairs yes	5,140.00	m3	1.00	R18,100,000.00	R18,100,000.00	60.00%	R7,240,000.00
MFO Bulk Storage Tank, BA4, API650 vertical tank, diam. = 30m and height = 18m, insulated no, TPS no, cooling no, spiral stairs yes	11,950.00	m3	1.00	R31,800,000.00	R31,800,000.00	60.00%	R12,720,000.00
MGO Bulk Storage, BA5, API650 vertical tank, diam. = 21.0m and height = 21.0m, insulated no, TPS yes, cooling yes, spiral stairs yes	5,880.00	m3	1.00	R21,300,000.00	R21,300,000.00	60.00%	R8,520,000.00
OUT OF SERVICE, BA6, API650 vertical tank, diam. = 6m and height = 7m, insulated no, TPS no, cooling no	190.00	m3	1.00	R1,800,000.00	R1,800,000.00	75.00%	R450,000.00
MGO Bulk Storage, BA7, vertical tank, diam. = 21m and height = 21m, insulated no, TPS yes, cooling yes, spiral stairs yes	5,880.00	m3	1.00	R21,300,000.00	R21,300,000.00	60.00%	R8,520,000.00
MGO Bulk Storage, BA8, API650 vertical tank, diam. 21m and height = 21m, insulated no, TPS yes, cooling yes, spiral stairs yes	5,880.00	m3	1.00	R21,300,000.00	R21,300,000.00	60.00%	R8,520,000.00
Meter Calibration Tank, Horizontal Tank, diam. = 1.8m, length = 5.5m	14.00	m3	1.00	R129,000.00	R129,000.00	60.00%	R51,600.00
Firefighting storage tanks only:							
Foam concentrates tanks, 15000 litres (including first fill)		No	2.00	R2,105,000.00	R4,210,000.00	60.00%	R1,684,000.00
TOTAL					R153,039,000.00		R60,945,600.00



Summary	
Discipline	Value
Civils	R14,326,890.20
TOTAL (Rounded)	R14,327,000.00

Summary	
Discipline	Value
Electrical	R3,928,000.00
Instrumentation	R2,163,200.00
Mechanical	R24,089,722.40
Tank Bases	R16,719,515.00
Tank Stairs	R97,815.00
Tanks	R60,945,600.00
TOTAL (ROUNDED)	R107,944,000.00

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CAVEATS

1. FULL DISCLOSURE

This valuation has been prepared on the basis that full disclosure of all information and factors that could affect the valuation ('all relevant factors') have been made to us. We accept no liability or responsibility whatsoever for the valuation if it should transpire that a full disclosure of all relevant factors was not made.

2. THIRD PARTY INVOLVEMENT

Where reliance was placed on information supplied by third parties in undertaking the evaluation, we have assumed such information to be substantially correct. We accept no liability or responsibility whatsoever for the valuation if it should transpire that the information supplied was substantially incorrect.

3. VALUATION STANDARD

This valuation has been prepared in accordance with the International Valuation Standards Committee requirements as adopted by the South African Council for the Property Valuers Profession and the South African Institute of Valuers.

4. FREEHOLD PROPERTY

In the case of freehold properties we have inspected the relevant Title Deed documents when available. Whenever perusal of the Title Deed caused concern, we made specific reference to this in the Valuation Report. Where the Title Deeds were not available, we have assumed that good title can be shown and that the property is not subject to any unusual or especially onerous restrictions, encumbrances or outgoings.

5. MORTGAGE BONDS, LOANS OR OTHER CHARGES

The property has been valued as if wholly owned with no allowance made for any outstanding monies due in respect of mortgage bonds, loans or other charges. No deductions have been made in our valuation for the cost of acquisition, such as legal or transfer fees, or the costs involved in the disposal of the assets.

6. CALCULATION OF AREAS

Where the client (or his/her representative) has provided all surface areas quoted within the Valuation Report, we assume such surface areas have been calculated in accordance with the SAPOA standard method of measurement. Where a valuer on site measures the surface areas, the SAPOA standard method of measurement shall be employed.

7. PLANS

All plans included in the Valuation Report are supplied for the purpose of identification and orientation only and are not necessarily to scale.

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8. PROPERTY BOUNDARIES

The farm or property boundaries, as indicated to the Valuer by the instructing client or his appointed agent, or the boundaries as indicated by plans supplied by the client, are assumed to be the legal extent of the property. Any variation of these boundaries by extension or omission, and the resultant inclusion or omission of any improvements because of this or these variations, cannot therefore be regarded as the responsibility of the Valuer. We accept no liability or responsibility whatsoever for the valuation should it transpire that any boundaries were incorrectly pointed out.

9. OUTGOINGS

It is assumed, except where otherwise stated, that the property is subject to the normal property owner's outgoings and that there are no onerous restrictions or unusual covenants of which we have no knowledge. In preparing our valuation, we have formed our opinion of outgoings, having had reference to the various schedules of outgoings supplied by the client or a representative thereof.

10. STRUCTURAL CONDITION

The property has been valued in its existing state. In the event of its ownership or use changing in such a manner that the local authority will require the upgrading of the premises to comply with fire protection and other regulations, it may be necessary to reduce the valuation by the amount covering the cost of such compliance. We have had regard to the apparent state and condition of the property but have not carried out a structural survey, nor inspected those areas, which were covered, unexposed or inaccessible, neither have we arranged for the testing of electrical, heating or other services. The valuation assumes that the services and structures are in a satisfactory state of repair and condition, unless otherwise stated in our report. The valuation further assumes that the improvements have been erected in accordance with the relevant Building and Town Planning Regulations as well as the Local Authority by-laws. We have not inspected woodwork or other parts of the structure, and we are therefore unable to report that such parts of the property are free from rot, beetle or other defects. We have assumed that no deleterious or hazardous materials or techniques were used in the construction of the property nor have since been incorporated.

11. CONTAMINATION

Our valuation assumes that a formal environmental assessment is not provided and further that the property is not environmentally impaired nor contaminated, unless otherwise stated in our report.

12. VACANT LAND

No soil or substratum tests on the property have been undertaken and it is assumed that the property is suitable for the intended purpose, without having to provide excessive reinforcement to any structure built thereon.



13. STATUTORY NOTICE AND UNLAWFUL USE

We have assumed that the property and its value are unaffected by any statutory notice, and that neither the property nor its condition, nor its use, nor its intended use, is or will be unlawful.

14. INDIVIDUAL PROPERTIES

The values reported are for the individual properties. No allowance is made for any premium, which may be applicable for an assembled portfolio of properties, nor is a discount allowed for any flooding of the market, which might exist if all, or a majority of the properties were offered for sale simultaneously.

15. CONFIDENTIALITY

This valuation is produced exclusively for the client and for the specific purposes to which it refers. It may be disclosed to other professional advisers assisting you in respect of that purpose. We accept no responsibility whatsoever to any parties other than yourselves who make use of this valuation.

DDP Group* values your privacy. Please note that by providing your personal information, you are giving DDP Group permission to process and store your personal information according to our PoPI Compliance Manual. The information that we process concerning our users is only used for the sole purpose for which it is given. Your information will only be shared with third parties as mandated by legislation. If you have any objections or questions, please contact our Information Officer (io@ddp.co.za).

DDP Group accepts no liability for any loss, damages and/or expenses of any nature which may arise as a result of, or which may be attributable directly or indirectly from information made available to us, or actions or transactions resulting therefrom. Please refer to our Privacy Policy for more information (<https://ddp.co.za/legal/>).

In the event of any changes to your personal information, you have an obligation to inform DDP Group within 30 days.

For more information regarding DDP Group, please refer to our website (<https://ddp.co.za/legal/>).

16. NON-PUBLICATION

Neither the whole nor any part of this valuation report or certificate, nor any reference thereto, may be included in any published document, circular or statement, nor published in any way without the written approval of the Valuer, as to the form or context in which it may appear and acknowledgement that the Valuer are professional valuers.



17. INDEPENDENT VALUERS CLAUSE

Neither the Valuer, nor any employee, have any present or contemplated interest in this or any other properties or any other interests, which could affect the statements or values, contained in this valuation report. The valuation enclosed herewith was therefore undertaken on a completely independent basis by a valuer employed the Valuer, a company which specializes in valuation and which does not trade in these assets.

18. VALUE ADDED TAX

All figures quoted are exclusive of Value Added Tax.

19. COURT CASES

Please note that if this report or any portions of the report are used in a court case, additional fees will be applicable.

20. LIABILITY

It is agreed that the maximum aggregate liability of DDP to the Client in respect of any loss or damage that may result from this engagement will be limited to a maximum of 300% of the fees paid or payable under this quotation.

Vandalised Building Inspection


- 25 x new doors with door locks and handles needed
- 18 x door locks with handles needed
- Ceilings to be repaired and painted
- Full interior of building to be painted
- Aluminium double door glass(1835mm x 595mm) to be replaced
- Strong room metal doors to be replaced. Doors were stolen
- Window glass panes to replace, 850mm x 440mm x 5 off

All plumbing to be replaced as everything was vandalised. Only P-pans in place

Roller shutter door : door works on mechanical motor.

Motor needs electricity in order to work

If motor is disconnected, maybe it can be changed to operate manually.

RNC QUOTATION					
PROJECT NAME : Cape Town Harbour : Electrical Maintenance Works 24/26					
PROJECT NUMBER: C.1130122					
DESCRIPTION OF WORK:EBH Building Repairs					
Item	Bill Description	Unit	Quantity	Rate	Gross Amount
1.0	PART 1: P R E L I M I N A R Y & GENERALS				
1.1	FIXED CHARGE ITEMS				
1.1.1	Vehicles and Heavy Plant: Lease, Fuel and repairs Costs	sum	1	R96,181.26	R 96,181.26
1.2	TIME RELATED ITEMS	sum	1	R29,565.90	R 29,565.90
	TOTAL P AND G				R 125,747.16
2.0	PART 2: SUPPLY OF MATERIAL				
2.1	Rewire lights 56 off	ea	14	R 2,340.00	R 32,760.00
2.2	Rewire plug points 57 off	ea	12	R 2,160.00	R 25,920.00
2.3	Rewire Powerskirting plugs 39 off	ea	7	R 2,160.00	R 15,120.00
2.4	Rewire aircon points	ea	8	R 1,200.00	R 9,600.00
2.5	Rewire geyser points	ea	3	R 1,200.00	R 3,600.00
2.6	Rewire Quickhot point	ea	1	R 1,200.00	R 1,200.00
2.7	Bus feeds 6mm Hibay lights x 4off	m	200	R 100.00	R 20,000.00
2.8	Wire to first light hibays 2,5mm wire	m	300	R 21.60	R 6,480.00
2.9	Cable to hiBay bus wires 16mm x 4 cable ECC SWA 4 off	m	60	R 144.00	R 8,640.00
2.10	Terminate 16mm cables	ea	8	R 202.00	R 1,616.00
2.11	Terminate hiBay lines 30 lines	ea	30	R 147.00	R 4,410.00
2.12	Cable 1,5mm x 12 core Light switches	m	70	R 147.00	R 10,290.00
2.13	Light switches industrial hibays	ea	4	R 166.00	R 664.00
2.14	Supply 1,5m Led open fittings	ea	10	R 352.00	R 3,520.00
2.15	Supply 16mm x 4 Swa ECC cable to admin Top floor	m	30	R 144.00	R 4,320.00
2.16	Supply 16mm x 4 Swa ECC cable to admin bottom floor	m	30	R 144.00	R 4,320.00
2.17	Terminate 16mm cables	ea	4	R 202.00	R 808.00
2.18	Supply admin Distribution Board Circuitbreakers	ea	2	R 7,821.00	R 15,642.00
2.19	Supply hibay breakers 4 circuits	sum	1	R 19,020.00	R 19,020.00
2.20	Misselaneous	sum	1	R 9,200.00	R 9,200.00
	TOTAL SUPPLY OF MATERIAL				R 197,130.00
3.0	PART 3: INSTALLATION COSTS / CONSTRUCTION COSTS				
3.1	Labour: Normal Time	Days	12.00	R18,680.60	R 224,167.16
	TOTAL INSTALLATION COSTS / CONSTRUCTION COSTS				R 224,167.16
4	SUB TOTAL				R 547,044.33
5	Overheads cost recovery	8%			R 43,763.55
6	GRAND TOTAL				R 590,807.87
	Notes				
	This BOQ exclude the following				
	Hibay Lights repair				
	Neon fitting repairs				
	Excisting equipment will be re used where possible				
	No 3 phase or single phase plugs will be installed in the shed itself				
	No extractor fans will be energised				
	Aircons which are functional will be energised (points are allowed for all)				
	Crane overhead feed will not be repaired				
	Light switches will be at small door for shed lights				
	No lights will be installed in the corridor between the shed an admin building				
	Current geyser are deemed functional				
	Quick hot are deemed functional				
Approved By:					
Adenaan Jassiem					
Technical Manager					
Date: _____					