

TCTA**TENDER NO.: 050/2023/PMID/SHUTDOWN/RFB****LHWP 2024 SHUTDOWN OUTAGE – INSPECTION AND REPAIRS OF DELIVERY TUNNEL NORTH
(DTN) AND EROSION PROTECTION TO ASH RIVER - (6 MONTH SHUTDOWN)****OVERALL TABLE OF CONTENTS****Volume 1 Tendering Procedures**

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TCTA

TENDER NO.: 050/2023/PMID/SHUTDOWN/RFB

**LHWP 2024 SHUTDOWN OUTAGE – INSPECTION AND REPAIRS OF DELIEVERY TUNNEL NORTH
(DTN) AND EROSION PROTECTION TO ASH RIVER**

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T2.2	RETURNABLE SCHEDULES

T2.1 LIST OF RETURNABLE DOCUMENTS**THE TENDERER IS REQUIRED TO SUBMIT THE FOLLOWING DOCUMENTS WITH THE TENDER:****STANDARD..... 1**

- A1 – RECORD OF ADDENDA TO TENDER DOCUMENTS - NON-MANDATORY
- A2: - CERTIFICATE OF INSURANCE COVER - NON-MANDATORY
- A3: - TENDERER'S BANK DETAILS - NON-MANDATORY
- A5: - SCHEDULE OF CURRENT COMMITMENTS - NON-MANDATORY
- A6: - CERTIFICATE OF COMPLIANCE WITH OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 AND CONSTRUCTION REGULATIONS, 2003 - NON-MANDATORY
- A7: - CERTIFICATE OF REGISTRATION WITH CIDB - MANDATORY
- A9 - SBD 1 – INVITATION TO BID - NON-MANDATORY
- A10 - SBD 4 - BIDDERS DISCLOSURE - NON-MANDATORY
- A11 - SBD 6.1- IN TERMS OF PPR 2022 - MANDATORY
- A12 – CERTIFICATE OF GOOD STANDING WITH THE COMPENSATION FOR OCCUPATIONAL INJURIES AND DISEASES ACT (COIDA) OR WITH A LICENSED COMPENSATION INSURER SUCH AS THE FEDERATED EMPLOYERS MUTUAL (FEM) - MANDATORY

FUNCTIONAL PROPOSAL25

- B1: - SCHEDULE OF WORK EXPERIENCE - NON-MANDATORY
- B2.1: - SCHEDULE OF KEY PERSONNEL EXPERIENCE AND – CONTRACT MANAGER - NON-MANDATORY
- B2.2: - SCHEDULE OF KEY PERSONNEL EXPERIENCE – CORROSION PROTECTION SPECIALIST - NON-MANDATORY
- B2.3: - SCHEDULE OF KEY PERSONNEL EXPERIENCE – HEALTH AND SAFETY MANAGER - NON-MANDATORY
- B3: - SCHEDULE OF SPECIALIST SUBCONTRACTORS - NON-MANDATORY
- B4: - INDICATIVE CONSTRUCTION PROGRAMME - NON-MANDATORY
- B5: - SCHEDULE OF ESTIMATED MONTHLY EXPENDITURE - NON-MANDATORY
- B6: PROJECT COMPLETION CERTIFICATES**
- B7: CONTRACTS MANAGER PROFESSIONAL REGISTRATION CERTIFICATE**
- B8: CORROSION PROTECTION PROFESSIONAL REGISTRATION CERTIFICATE**
- B9: HEALTH AND SAFETY MANAGER REGISTRATION CERTIFICATE**

C1.1 : FORM OF OFFER AND ACCEPTANCE

Offer

TCTA, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of: LHWP 2024 SHUTDOWN OUTAGE – INSPECTION AND REPAIRS OF DTN AND EROSION PROTECTION TO ASH RIVER.

The tenderer, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the tenderer, deemed to be duly authorized, signing this part of this form of offer and acceptance, the tenderer offers to perform all of the obligations and liabilities of the contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS
Rand (in words);
 R..... (in figures) (or other suitable wording)

This offer may be accepted by TCTA by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the tenderer before the end of the period of validity stated in the tender data, whereupon the tenderer becomes the party named as the contractor in the conditions of contract identified in the contract data.

Signature(s)			
Name(s)			
Capacity			
for the tenderer			
	(Name and address of tenderer)		
Name and signature of witness		Date	

Acceptance

By signing this part of this form of offer and acceptance, TCTA identified below accepts the tenderer’s offer. In consideration thereof, TCTA shall pay the contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the tenderer’s offer shall form an agreement between TCTA and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

- Part C1 Agreements and contract data, (which includes this agreement)
- Part C2 Pricing data
- Part C3 Scope of work
- Part C4 Site information and drawings and documents or parts thereof, which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the returnable schedules as well as any changes to the terms of the offer agreed by the tenderer and TCTA during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this form of offer and acceptance. No amendments to or deviations from said documents are valid unless contained in this schedule.

The tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact TCTA's agent (whose details are given in the contract data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the tenderer (now contractor) within five (5) working days of the date of such receipt notifies TCTA in writing of any reason why he/she cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

Signature(s)			
Name(s)			
Capacity			
for TCTA			
	Trans Caledon Tunnel Authority (TCTA), Building 9, Byls Bridge Office Part, Olievenhoutbosch Rd, Centurion, 0157		
Name and signature of witness		Date	

Schedule of Deviations

Notes:

1. *The extent of deviations from the tender documents issued by TCTA before the tender closing date is limited to those permitted in terms of the conditions of tender.*
2. *A tenderer's covering letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of agreements reached during the process of offer and acceptance, the outcome of such agreement shall be recorded here.*
3. *Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here.*
4. *Any change or addition to the tender documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of the Contract.*

1 Subject _____

Details _____

2 Subject _____

Details _____

3 Subject _____

Details _____

4 Subject _____

Details _____

By the duly authorised representatives signing this agreement, TCTA and the tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the returnable schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the tenderer and TCTA during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

APPENDIX TO TENDER

Item	Sub-Clause	Data
Document forming the Contract listed in the order of priority (a) the Contract Agreement, (b) the Letter of Acceptance, (c) the Letter of Tender, (d) the Particular Conditions, (e) the General Conditions, (f) the Specification, (g) the Drawings, (h) the priced Bill of Quantities, (i) Site Data, (j) Schedules other than the Bill of Quantities, and (k) any other documents forming part of the Contract. All Addenda and the Memorandum of Understanding, if any, which modify the terms of the Tender Documents take precedence only over the document to which they relate.	1.1.1	
Time for Completion	1.1.9	8 months Contract start 01 August 2024 Shutdown starts 01 October 2024 Shutdown finishes 28 March 2025
Law of the Contract	1.4	Republic of South Africa
Language	1.5	English
Provision of Site	2.1	On the Commencement Date
Authorised person	3.1	Themba Ngomane
Name and Address of Employer's Representative	3.2	Hatch Africa (Pty) Ltd. 58 Emerald Parkway Road, Greenstone Hill, Johannesburg South Africa
Performance Security	4.4	10% of the Accepted Contract Amount, in currencies and proportion in which the Contract Price is payable
Requirement for Contractor's design	5.1	NA
Programme Time for submission	7.2	Within 14 days of Commencement Date
Form of programme	7.2	S Tracking Gant Chart with Critical Path
Language for communications		English
Amount payable due to failure to complete	7.4	ZAR 25,000.00 per day up to a maximum of 10% of sum stated in the agreement
Period of notifying defects	9.1& 11.5	365 days calculated from the date stated in the notice under Sub-Clause 8.2
Variation procedure Dayworks rates	10.2	a) measurement shall be made of the net actual quantity of each item of the Permanent Works, b) method of measurement shall be in accordance with the Bill of Quantities supported by other applicable Schedules. c) For each item of work, the

Item	Sub-Clause	Data
		<p>appropriate rate or price for the item shall be the rate or price specified for such item in the Contract.</p> <p>d) if there is no such item, specified for similar work. However, unless there is specified within the Contract another method for the adjustment of the time and/or the level of resources required for or caused by a change in an item of work (or changes to a group of items in a part of the Works), a new rate or price shall be appropriate for an item of work.</p> <p>(i) the measured quantity of the item is changed by more than 10% from the quantity of this item in the Bill of Quantities or other Schedule,</p> <p>(ii) this change in quantity multiplied by such specified rate for this item exceeds 0.25% of the Accepted Contract Amount,</p> <p>(iii) this change in quantity directly changes the Cost per unit quantity of this item by more than 5%, and</p> <p>(iv) this item is not specified in the Contract as a "fixed rate item"; and</p> <p>(v) the rate contained within the Contract for this item is not duplicated in another item in the Bill of Quantities for a different quantity,</p> <p>or</p> <p>(i) no rate or price is specified in the Contract for this item, and</p> <p>(ii) no specified rate or price is appropriate because the item of work is not of similar character, or is not executed under similar conditions, as any item in the Contract.</p> <p>Or</p> <p>in any particular case the specified rate or price is not appropriate because the item of work is not in accordance with the Contract and the Employer grants a concession as provided for under Sub-Clause 9B [Rejection].</p>
Valuation of the Works	11.1	Refer to Variation procedure

Item	Sub-Clause	Data
		Dayworks
Percentage of values of Material and Plant	11.2	50% of all Plant and Materials not yet built into the Permanent Works with a maximum of 30% of the Accepted Contract Amount
Percentage retention	11.3	5% of Accepted Contract Amount
Currency of payment	11.7	South African Rand
Rate of interest	11.8	Prime interest rate
Insurances	14.1	
Insurances	14.1	<p>a) For loss and damage of the Works, Material, Plant and Contractor's equipment including Contract Works SASRIA [15% of contract amount]</p> <p>b) For liability of loss, damage, death or injury to third parties or their property arising out of the Contractor's performance of the Contract, including the Contractor's liability for damages to the Employer's property other than the Works [100% of the contract amount]</p> <p>c) For liability of both Parties and of any Employer's representative for death or injury to the Contractor's personnel except to the extent that the liability arises from the negligence of the Employer, any Employer's representative or their employees [100% of the contract amount]</p>
Arbitration		
Rules	15.3	Rules Association of Arbitrators (Southern Africa)
Appointment authority	15.3	Chairman of the Association of Arbitrators (Southern Africa)
Place of Arbitration	15.3	Republic of SA, Gauteng

C1.2 CONTRACT DATA (PART 2: DATA PROVIDED BY THE CONTRACTOR)

**PART C1.2: CONTRACT DATA
(PART 2: DATA PROVIDED BY THE CONTRACTOR)**

Data Provided by the Contractor:

The Contractor is :

Address :

Telephone :

Facsimile :

E-mail :

The authorised and designated representative of the Contractor is:

Name :

The address for receipt of communications is:

.....

Telephone :

Facsimile :

E-mail :

Address :

C2.2 BILL OF QUANTITIES

050/2023/PMID/SHUTDOWN/RFB: LHWP 2024 SHUTDOWN OUTAGE – INSPECTION AND REPAIRS OF DELIVERY TUNNEL NORTH (DTN) AND EROSION PROTECTION TO ASH RIVER.

PRELIMINARY & GENERAL - PRE-SHUTDOWN

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
1	SABS 1200A	PRELIMINARY AND GENERAL				
1.1	8.3	FIXED-CHARGES - PRIMARY GENERAL OBLIGATIONS				
		(Primary General Obligations, relating to the 4-month mobilisation period)				
1.1.1	8.3.1	Contractual Requirements	Sum	1.0		
1.1.2	8.3.2	Provision of Facilities on Site				
1.1.3	PSA 8.3.2.2	Facilities required by the Contractor				
1.1.3.1		(c) Living accommodation	Sum	1.0		
1.2	8.4	SCHEDULED TIME-RELATED ITEMS				
1.2.1	8.4.1	Contractual Requirements	Sum	1.0		
1.2.2	8.4.2	Operation and Maintenance of Facilities on Site				
1.2.3	8.4.2.2	Facilities required by the Contractor				
1.2.3.1		(c) Living accommodation	Sum	1.0		
Total Carried to Summary (Excl. VAT)						

PRELIMINARY & GENERAL - PRE-SHUTDOWN

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
2		PRE-SHUTDOWN ITEMS (undertaken during the mobilisation period)				
2.1		a) LIDAR Contractor procurement for air borne LIDAR, ± 22km long & average width of 0.8km at Bethlehem, Free State. No flow Ash River from near Clarens to Bethlehem – Saul's Plaatje dam	Prov Sum	1.0	250,000.00	250,000.00
2.1.1		(b) Overheads, charges & profit on (a) above	%	250,000.0		
2.2		Supply, Install, load test and commission Electrical chain hoists at Dewatering shafts				
2.2.1		a) Caledon Dewatering Shaft - SWL 3t, lift height 40m with pushbutton pendant control, std 3m cable length, steel chain collector bucket and a 5m C-track Festoon system complete.	Sum	1.0		
2.2.2		b) Little Caledon Dewatering Shaft - SWL 3t, lift height 20m with pushbutton pendant control, std 3m cable length, steel chain collector bucket and a 5m C-track Festoon system complete.	Sum	1.0		
2.3		Load testing all lifting equipment's - 3 x 3ton chain blocks attached to crawl beam, monorail (Caledon Adit, Little Caledon North & South Adits) and 1 X 1ton chain block in the store.	Sum	4.0		
2.4		Caledon Dewatering Shaft - 40m deep				
2.4.1		Install and commission Pump & Controls - 1 X Dewatering dry submersible pump. Free issue of pumps	No.	1.0		
2.4.2		Install and commission Pump & Controls - 1 X Sump Pump. Free issue of pumps	No.	1.0		
2.4.3		COC's for Dewatering Shaft	No.	1.0		
2.4.4		Remove and replace 50mm diameter sump pump line (40m) & NRV, rope access crew required.	Sum	1.0		
2.5		Little Caledon Dewatering Shaft - 20m deep				
2.5.1		Install and commission Pump & Controls - 1 X Dewatering dry submersible pump. Free issue of pumps	No.	1.0		
2.5.2		Install and commission Pump & Controls - 1 X Sump Pump. Free issue of pumps	No.	1.0		
2.5.3		COC's for Dewatering Shaft	No.	1.0		
2.6		Remove Dihlabeng municipal water pipe and install after shutdown - 700mm diameter	Sum	1.0		
2.7		Inspect, report and service Ventilation systems				
2.7.1		Caledon Dewatering Shaft - 40m deep - Donkin Marax 2, 560 diameter	No.	1.0		
2.7.2		Caledon North adit -Donkin Series HBC-M size 630 1.0 width Class 4-DuctAir system	No.	1.0		
2.7.3		Little Caledon Dewatering Shaft - 20m deep - Donkin Marax 2, 560 diameter	No.	1.0		
2.8		Procure Bulkhead O- ring 10mm diameter and glue, neoprene rubber 75 shore	m	29.0		
2.9		Procure Bulkhead threaded studs complete. (A complete threaded stud comprises 1 x M42 x 240mm threaded stud plus , 2 x washers (4mm thick) and 2 x M42 Nuts, all grade 8x8 hot dip galvanised, torque to 1700 Nm)	No.	192.0		
2.10		Prepare grout mix design	Sum	1.0		
2.11		Transport 2 x dewatering pumps, 2 x sump pumps and 2 x baseplates from Johannesburg, Gauteng to site office	Sum	1.0		
Total Carried to Summary (Excl. VAT)						

PRELIMINARY & GENERAL - SHUTDOWN

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
3	SABS 1200A	PRELIMINARY AND GENERAL				
3.1	8.3	FIXED-CHARGES - PRIMARY GENERAL OBLIGATIONS (Primary General Obligations, relating to the 6-month shutdown period)				
3.1.1	8.3.1	Contractual Requirements	Sum	1.0		
3.1.2	8.3.2	Provision of Facilities on Site				
3.1.3	8.3.2.1	Facilities required by the Engineer (SABS1200AB)				
3.1.3.1	PSAB	ai) Furnished offices (4No)	Sum	4.0		
3.1.3.2	PSAB	aii) Meeting Room (1No)	Sum	1.0		
3.1.4	8.3.2.2	Facilities required by the Contractor				
3.1.4.1		(a) Offices and storage sheds	Sum	1.0		
3.1.4.2		b) Workshops	Sum	1.0		
3.1.4.3	PSA	(c) Living accommodation	Sum	1.0		
3.1.4.4	PSA	(d) Ablution and latrine facilities	Sum	1.0		
3.1.4.5	PSA	(e) Tools and equipment	Sum	1.0		
3.1.4.6		(f) Water supplies, electric power and communications	Sum	1.0		
3.1.4.7		(h) Access (Subclause 5.8)	Sum	1.0		
3.1.4.8		(k) Provision of full time security at the site camp	Sum	1.0		
3.1.5	8.3.3	General Responsibilities and Other Fixed-charge Obligations	Sum	1.0		
3.1.6		Compliance with OHS Act, Construction Regulations and Occupational Health & Safety Particular Specification	Sum	1.0		
3.1.7		a) On site medicals and inductions for TCTA and Engineers staff (entrance and exit medicals)	Prov Sum	1.0	100,000.00	100,000.00
3.1.7.1		(b) Overheads, charges & profit on (a) above	%	100,000.0		
3.1.8		Compliance with Environmental Requirements	Sum	1.0		
3.1.9	8.3.4	Removal of Site Establishment	Sum	1.0		
3.1.10		ENTERPRISE DEVELOPMENT - PROVISIONAL SUM Enterprise Development of Targeted Enterprise or JV partners				
3.1.10.1		Needs Analysis and Enterprise Development Plan per Targeted Enterprise	No.	1.0	10,000.00	10,000.00
3.1.10.2		Monitoring and Interim reporting per Targeted Enterprise	Per Quarter	2.0	40,000.00	80,000.00
3.1.10.3		Project Completion report per Targeted Enterprise	No.	1.0	10,000.00	10,000.00
3.2	8.4	SCHEDULED TIME-RELATED ITEMS				
3.2.1	8.4.1	Contractual Requirements	Sum	1.0		
3.2.2	8.4.2	Operation and Maintenance of Facilities on Site				
3.2.3	8.4.2.1	Facilities for the Engineer (SABS1200AB)				
3.2.3.1	PSAB	ai) Furnished offices (4No)	Sum	4.0		
3.2.3.2	PSAB	aii) Meeting Room (1No)	Sum	1.0		
3.2.5	8.4.2.2	b) Facilities required by the Contractor				
3.2.5.1		(a) Offices and storage sheds	Sum	1.0		
3.2.5.2		b) Workshops	Sum	1.0		
3.2.5.3	PSA	(c) Living accommodation	Sum	1.0		

PRELIMINARY & GENERAL - SHUTDOWN

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
3.2.5.4	PSA	(d) Ablution and latrine facilities	Sum	1.0		
3.2.5.5	PSA	(e) Tools and equipment	Sum	1.0		
3.2.5.6		(f) Water supplies, electric power and communications	Sum	1.0		
3.2.5.7		(h) Access (Subclause 5.8)	Sum	1.0		
3.2.5.8		(k) Provision of full time security at the site camp	Sum	1.0		
3.2.6	8.4.3	Supervision for the duration of the contract	Sum	1.0		
3.2.7	8.4.4	Company and Head Office overhead costs	Sum	1.0		
3.2.8	8.4.5	Other Time-related Obligations	Sum	1.0		
3.2.9		Compliance with OHS Act, Construction Regulations and Occupational Health & Safety Particular Specification	Sum	1.0		
3.2.10		Compliance with Environmental Requirements	Sum	1.0		
3.3	8.5	SUMS STATED PROVISIONALLY BY ENGINEER				
3.3.1		a) Independent NACE inspector	Prov Sum	1.0	300,000.00	300,000.00
3.3.2		(b) Overheads, charges & profit on (a) above	%	300,000.0		
3.4	8.6	Prime Cost Items				
3.4.1		(a) Prime cost of goods or materials to be supplied to the site of the works in terms of the contract	PC Sum	1.0	100,000.00	100,000.00
3.4.1.1		(b) Overheads, charges & profit on (a) above	%	100,000.0		
3.5	8.7	DAYWORK (Provisional)				
3.5.1		Plant(rates shall include on cost)				
3.5.1.1		30t Excavator/backhoe	hr	45.0		
3.5.1.2		10000 litre Water cart	hr	90.0		
3.5.1.3		10m3 Tip Truck	hr	225.0		
3.5.1.4		10m3 Rock Dump Truck	hr	225.0		
3.5.1.5		Mobile Crane (10t)	hr	45.0		
3.5.1.6		Compressor (800 cfm)	hr	90.0		
3.5.1.7		Compressor (375 cfm)	hr	180.0		
3.5.1.8		Generators 20 KVA	hr	90.0		
3.5.1.8		Generators 5,5 KVA	hr	135.0		
3.5.1.9		Crane Truck (8t)	km	1,000.0		
Total Carried to Summary (Excl. VAT)						

TUNNEL - STEEL LINED SECTIONS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
4		Steel Lined Sections				
4.1		3.0m diameter (Caledon South (20m) and Caledon North Adit Bulkheads (21m) plus Little Caledon South (7m) and Little Caledon North Adit Bulkheads (7m)) LHDA - open the Adit & Main door & Place a guard - for ventilation				
4.1.1		Install and service mobile abluion facility(Caledon North Adit Bulkhead, Little Caledon South Adit Bulkhead and Little Caledon North Adit Bulkhead)	Sum	3.0		
4.1.2		Place a guards at Caledon North Adit, Little Caledon South Adit Bulkhead and Little Caledon North Adit Bulkhead (24hrs for duration of shutdown)	month	6.0		
4.1.3		Open bulkheads (torque wrench required), place in packing bay and investigate o-ring leak (Caledon North Adit Bulkhead, Little Caledon South Adit Bulkhead and Little Caledon North Adit Bulkhead)	Sum	1.0		
4.1.4		Place conveyor mats, dome ramps and water diversions(Caledon North Adit Bulkhead, Little Caledon South Adit Bulkhead and Little Caledon North Adit Bulkhead)	Sum	1.0		
4.1.5		Cleaning of Steel lining	m	55.0		
4.1.6		Cleaning of Bulkhead domes	No.	3.0		
4.1.7		Inspect, report and NDT pitted areas (Steel lining)	m2	518.4		
4.1.8		Inspect, report and NDT pitted areas (Bulkhead domes)	No.	3.0		
4.1.9		Repair steel liner if in excess of minimum NDT thickness				
4.1.10		(a) Weld repairs	No.	9.0		
4.1.10.1		(b) Epoxy resin paste for metal repair	No.	9.0		
4.1.10.2		(c) Epoxy resin paste for metal repair plus carbon fibre reinforcement	No.	9.0		
4.1.10.3		Sand blast steel tunnel liner	m2	518.4		
4.1.11		Sand blast Bulkhead domes	No.	3.0		
4.1.12		Glassflake epoxy coat, minimum 800 microns DFT and 1000 microns average				
4.1.13		(a) Tunnel steel liner	m2	518.4		
4.1.13.1		(b) Bulkhead domes	No.	3.0		
4.1.13.2		Disposal of all sand blast residue	Sum	1.0		
4.1.14		Supply aluminium mobile scaffolding with rubber castor wheels and lighting for repairs for all adits	Sum	1.0		
4.1.15		Install blast grit and chemical filter systems to prevent contamination of the river at all adit entry points	Sum	4.0		
4.2		3.4m diameter (Caledon River Crossing Siphon (495m) and Low Cover Section (215m))				
4.2.1		Ventilation system setupt Caledon North and South Adits and Little Caledon South Adit	Sum	1.0		
4.2.2		Cleaning of Steel lining	m	701.0		
4.2.3		Cleaning water available	Sum	1.0		
4.2.4		Caledon River Crossing Siphon - Supply mobile aluminium scaffolding with rubber castor wheels and lighting for Inspection and Repairs. Life line anchor scaffolding when in use to tunnel anchor points. Inspect & check tunnel anchor points before use.	Sum	1.0		
4.2.4		Low Cover Section -Assess with diesel golf cart with ample lights from Little caledon/low cover section, must be able to drive back or two golf carts solided connected to pull forward and push back	Sum	1.0		
4.2.5		Inspect report and NDT pitted areas (Steel lining)	m2	7,487.7		

TUNNEL - STEEL LINED SECTIONS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
4.2.6		Unblock the low cover section drain pipe under the low cover steel liners. 3Cr12, 50mm Diameter Length of low cover section	m	215.0		
4.2.7		Repair steel liner if in excess of minimum NDT thickness				
4.2.7.1		(a) Weld repairs	No.	375.0		
4.2.7.2		(b) Epoxy resin paste for metal repair	No.	375.0		
4.2.7.3		(c) Epoxy resin paste for metal repair plus carbon fibre reinforcement	No.	375.0		
4.2.8		Sand blast steel tunnel liner	m ²	7,487.7		
4.2.9		Sand blast trash grid	No.	1.0		
4.2.10		Glassflake epoxy coat, minimum 800 microns DFT and 1000 microns average				
4.2.10.1		(a) Tunnel steel liner	m ²	7,487.7		
4.2.10.2		(b) Trash grid	No.	1.0		
4.2.11		Disposal of all sand blast residue	Sum	1.0		
4.2.12		Supply mobile aluminium scaffolding with rubber castor wheels and lighting for repairs of low cover section	Sum	1.0		
4.3		1.6m diameter (Little Caledon Tunnel Bypass Off-take (119m))				
4.3.1		Inspect lifting hooks and remove plank slabs with a crane (5 ton) with rigger if required	Sum	1.0		
4.3.2		Ventilation system set up, at bypass including lighting	Sum	1.0		
		1600mm Dia Butterfly Valve - Little Caledon Bypass works				
4.3.3		Stage 1 - Inspection and Corrosion Protection Expose valves for inspection - Access is possible through Manhole	Sum	2.0		
4.3.4		Inspection and report including hand gearboxes	Sum	2.0		
4.3.5		Replace magnesium sacrificial anodes on valve blade - 8 per valve	No	16.0		
4.3.6		Repair and touch up damage to the corrosion protection on the valve components	Sum	2.0		
4.3.7		Installation of plank slabs and valves with a crane (5 ton) with rigger and seal with Polyurethane Joint Sealant to seal (Sikaflex-Pro 2HP) SUPPLIERS < SIKA (If removed)	Sum	1.0		
4.3.8		Stage 2 - Refurbish valve (Provisional) Move valve to an approved repair facility, Remove clamp ring clean and polish; Clean seal landing and edge of blade remove all rust and paint Carboguard 891, 450 microns; Clean and polish body seat; Remove blade seal; Paint clamp ring Carboguard 891, 450 Microns; Fit new blade seal; Fit clamp ring (Stainless steel cap screws to be replaced ±15%); Close butterfly valve and reset gearbox stoppers; Adjust blade seal and check with feeler gauge to ensure proper seal between seal and body seat.	Sum	2.0		
4.3.9		Pressure Test of Valve - to be carried out when blade seal has been removed and refitted	Sum	2.0		
4.3.10		Replace valve in pipe work - Only if valve removed for Stage 2	Sum	2.0		
4.3.11		Inspect, report and Refurbish or Replace 100mm dia gate valve - NPS4 Class 150 on instruction from Engineer	No	2.0		
4.3.12		Inspect downstream pipe work and fixed cone sleeve valves and repair if required.	Sum	2.0		
4.3.13		Cleaning of Steel lining	m	119.0		
4.3.14		Cleaning water available	Sum	1.0		
4.3.15		Inspect, report and NDT pitted areas (Steel lining)	m ²	598.2		
4.3.16		Repair steel liner if in excess of minimum NDT thickness				

TUNNEL - STEEL LINED SECTIONS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
4.3.17		(a) Weld repairs	No.	30.0		
4.3.18		(b) Epoxy resin paste for metal repair	No.	30.0		
4.3.19		(c) Epoxy resin paste for metal repair plus carbon fibre reinforcement	No.	30.0		
		Sand blast steel tunnel liner	m ²	598.2		
4.3.20		Glassflake epoxy coat, minimum 800 microns DFT and 1000 microns average				
4.3.21		(a) Tunnel steel liner	m ²	598.2		
4.3.22		Disposal of all sand blast residue	Sum	1.0		
Total Carried to Summary (Excl. VAT)						

TUNNEL - CONCRETE LINED SECTIONS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
5		Concrete Lined Sections				
5.1		3.0m diameter (Caledon South (25m) and Caledon North Adit (51m) plus Little Caledon South (6m) and Little Caledon North Adit (6m))				
5.1.1		Inspection of tunnel and report	Sum	1.0		
5.1.2		Repair Concrete, where required				
5.1.2.1		(a) Remove and replace damaged polysulphide construction joint filler in accordance to procedure 3 of the concrete lining specification	m	1.0		
5.1.2.2		(b) Repair of cracks <6mm wide in accordance to procedure 2A of the concrete lining specification	No.	1.0		
5.1.2.3		(c) Repair of cracks >6mm wide in accordance to procedure 4 of the concrete lining specification	No.	0.0		
5.1.2.4		(d) Repair spalls > 25mm deep and > 0.04m2 in extent in accordance to procedure 4 of the concrete lining specification	No.	1.0		
5.1.3.4		Supply mobile aluminium scaffolding with rubber castor wheels and lighting for repairs for all areas	Sum	1.0		
5.2		4.5m diameter (Caledon River Crossing South (104m), Caledon River Crossing North (130m) and Little Caledon Siphon (636m))				
5.2.1		Cleaning of chainage marker points	No.	9.0		
5.2.2		Inspection of tunnel and report	Sum	1.0		
5.2.3		Repair Concrete, where required				
5.2.3.1		(a) Remove and replace damaged polysulphide construction joint filler in accordance to procedure 3 of the concrete lining specification	m	9.0		
5.2.3.2		(b) Repair of cracks <6mm wide in accordance to procedure 2A of the concrete lining specification	No.	5.0		
5.2.3.2		(c) Repair of cracks >6mm wide in accordance to procedure 4 of the concrete lining specification	No.	2.0		
5.2.3.3		(d) Repair spalls > 25mm deep and > 0.04m2 in extent in accordance to procedure 4 of the concrete lining specification	No.	9.0		
5.2.4		Supply mobile aluminium scaffolding (for all areas) with rubber castor wheels and lighting for repairs. Life line anchor scaffolding when in use to tunnel anchor points(tunnel is at an angle 1:10) Inspect anchor points before use	Sum	1.0		
5.2.5		Sand blast trash grid	No.	1.0		
5.2.6		Glassflake epoxy coat, minimum 800 microns DFT and 1000 microns average - trash grid	No.	1.0		
5.2.7		Disposal of sand blast residue	Sum	1.0		
5.3		4.5m diameter (Caledon VS6A Drive (74m) and Little Caledon North Drive (93m))				
5.3.1		Cleaning of chainage marker points	No.	2.0		
5.3.2		Inspection of tunnel and report	Sum	1.0		
5.3.3		Repair Concrete, where required				
5.3.3.1		(a) Remove and replace damaged polysulphide construction joint filler in accordance to procedure 3 of the concrete lining specification	m	2.0		
5.3.3.2		(b) Repair of cracks <6mm wide in accordance to procedure 2A of the concrete lining specification	No.	1.0		
5.3.3.3		(c) Repair of cracks >6mm wide in accordance to procedure 4 of the concrete lining specification	No.	1.0		
5.3.3.4		(d) Repair spalls > 25mm deep and > 0.04m2 in extent in accordance to procedure 4 of the concrete lining specification	No.	2.0		

TUNNEL - CONCRETE LINED SECTIONS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
5.3.4		Supply mobile aluminium scaffolding for both areas with rubber castor wheels and lighting for repairs.	Sum	1.0		
5.4		5.77m diameter (Caledon VS6A Drive (569m) and Little Caledon South Drive (211m))				
5.4.1		Cleaning of chainage marker points	No.	2.0		
5.4.2		Inspection of tunnel and report	Sum	1.0		
5.4.3		Repair Concrete, where required				
5.4.3.1		(a) Remove and replace damaged polysulphide construction joint filler in accordance to procedure 3 of the concrete lining specification	m	8.0		
5.4.3.2		(b) Repair of cracks <6mm wide in accordance to procedure 2A of the concrete lining specification	No.	4.0		
5.4.3.3		(c) Repair of cracks >6mm wide in accordance to procedure 2B of the concrete lining specification	No.	2.0		
5.4.3.4		(d) Repair spalls > 25mm deep and > 0.04m2 in extent in accordance to procedure 4 of the concrete lining specification	No.	8.0		
5.4.4		Supply mobile aluminium scaffolding with rubber castor wheels and lighting for repairs	Sum	1.0		
5.5		2.4m diameter (Little Caledon Tunnel Bypass Off-take (52m))				
5.5.1		Cleaning of chainage marker points	No.	1.0		
5.5.2		Inspection of tunnel and report	Sum	1.0		
5.5.3		Repair Concrete, where required				
5.5.3.1		(a) Remove and replace damaged polysulphide construction joint filler in accordance to procedure 3 of the concrete lining specification	m	1.0		
5.5.3.2		(b) Repair of cracks <6mm wide in accordance to procedure 2A of the concrete lining specification	No.	1.0		
5.5.3.3		(c) Repair of cracks >6mm wide in accordance to procedure 2B of the concrete lining specification	No.	1.0		
5.5.3.4		(d) Repair spalls > 25mm deep and > 0.04m2 in extent in accordance to procedure 4 of the concrete lining specification	No.	1.0		
5.5.4		Supply mobile scaffolding with rubber castor wheels and lighting for repairs	Sum	1.0		
5.6		4.6m diameter (Caledon Drive (7040m), Caledon Tunnel Drive (781m) and Ash Tunnel Drive (10987m))				
5.6.1		Cleaning of chainage marker points	No.	189.0		
5.6.2		Inspection of tunnel and report	Sum	1.0		
5.6.3		Caledon Drive and Caledon Tunnel Drive -Assess with diesel golf cart with ample lights from Little caledon/low cover section, must be able to drive back or two golf carts solided connected to pull forward and push back	Sum	1.0		
5.6.4		Ash Tunnel Drive - Assess with diesel van with ample lights from Little Caledon north adit	Sum	1.0		
5.6.5		Water diversions to low cover section	Sum	1.0		
5.6.6		Repair Concrete, where required				
5.6.6.1		(a) Repair grout plug holes in accordance with procedure 1 of the concrete lining specification	No.	189.0		
5.6.6.2		(b) Repair of cracks <6mm wide in accordance to procedure 2A of the concrete lining specification	No.	76.0		
5.6.6.3		(c) Repair of cracks >6mm wide in accordance to procedure 2B of the concrete lining specification	No.	19.0		

TUNNEL - CONCRETE LINED SECTIONS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
5.7		Caledon Dewatering Shaft (40m deep)				
5.7.1		Inspect, report on repairs for main pump piping's and NRV 700mm diameter piping both externally and internally (camera required for internal inspection)	Sum	1.00		
5.7.2		Inspect Shaft and report- safety harnesses/rope access	Sum	1.0		
		600mm Dia Butterfly Valve - Caledon Dewatering Shaft				
		Stage 1 - Inspection and Corrosion Protection				
5.7.3		Expose valve for inspection	Sum	1.0		
5.7.4		Inspection and report including hand gearboxes	Sum	1.00		
5.7.5		Replace magnesium sacrificial anodes on valve blade - 8 per valve	No.	8.0		
5.7.6		Repair and touch up damage to the corrosion protection on the valve components	Sum	1.0		
		Stage 2 - Refurbish valve (Provisional)				
5.7.7		Move valve to an approved repair facility, Remove clamp ring clean and polish; Clean seal landing and edge of blade remove all rust and paint Carboguard 891, 450 microns; Clean and polish body seat; Remove blade seal; Paint clamp ring Carboguard 891, 450 Microns; Fit new blade seal; Fit clamp ring (Stainless steel cap screws to be replaced ±15%); Close butterfly valve and reset gearbox stoppers; Adjust blade seal and check with feeler gauge to ensure proper seal between seal and body seat.	Sum	1.0		
		Stage 3 - Pressure Test (Provisional)				
5.7.8		Pressure Test of Valve - to be carried out when blade seal has been removed and refitted	Sum	1.0		
		Stage 4 - Refit				
5.7.9		Replace valve in pipe work	Sum	1.0		
		250mm Dia Butterfly Valve - Caledon Dewatering Shaft				
		Stage 1 - Inspection and Corrosion Protection				
5.7.10		Expose valves for inspection	Sum	2.0		
5.7.11		Inspection and report including hand gearboxes.	Sum	2.0		
5.7.12		Replace magnesium sacrificial anodes on valve blade	No.	8.0		
5.7.13		Repair and touch up damage to the corrosion protection on the valve components	Sum	2.0		
		Stage 2 - Refurbish valve (Provisional)				
5.7.14		Move valve to an approved repair facility, Remove clamp ring clean and polish; Clean seal landing and edge of blade remove all rust and paint Carboguard 891, 450 microns; Clean and polish body seat; Remove blade seal; Paint clamp ring Carboguard 891, 450 Microns; Fit new blade seal; Fit clamp ring (Stainless steel cap screws to be replaced ±15%); Close butterfly valve and reset gearbox stoppers; Adjust blade seal and check with feeler gauge to ensure proper seal between seal and body seat.	Sum	2.0		
		Stage 3 - Pressure Test (Provisional)				
5.7.15		Pressure Test of Valve - to be carried out when blade seal has been removed and refitted	Sum	2.0		
		Stage 4 - Refit				
5.7.16		Replace valve in pipe work	Sum	2.0		
5.7.17		Inspect and report on 50mm dia bolted bonnet gate valves and piping - Smith Class 800	No	1.0		
5.7.18		Refurbish or Replace 50mm dia bolted bonnet gate valve - Smith Class 800 if required	No	2.0		
5.7.19		Repair, sand blast and recoat pipe work if required	Sum	1.0		
5.7.20		Install blast grit filter systems to prevent contamination of the river	Sum	1.0		
5.7.21		Inspect downstream pipe work and fixed cone sleeve valve and repair if required.	Sum	1.0		
		Heavy duty perimeter fence (2,4m high) and heavy-duty vehicular access gate (4,5m long)				
5.7.22		(a) Excavate foundation trench	m3	12.6		
5.7.23		(b) Supply and place shukuma column bases and columns	No.	21.0		
5.7.24		(c) Supply and place 120mm shukuma wall panels with a crane (5 ton)	No.	20.0		
5.7.25		(d) Supply and install Gate	No	1.0		

TUNNEL - CONCRETE LINED SECTIONS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
5.8		Little Caledon Dewatering Shaft (20m deep)				
5.8.1		Inspect, report on repairs for main pump piping's and NRV 700mm diameter piping both externally and internally (camera required for internal inspection)	Sum	1.0		
5.8.2		Inspect Shaft and report - safety harnesses/rope access	Sum	1.0		
5.8.2		900mm Dia Butterfly Valve - Little Caledon Dewatering Shaft Stage 1 - Inspection and Corrosion Protection Expose valves for inspection	Sum	2.0		
5.8.3		Inspection and report including hand gearboxes	Sum	2.0		
5.8.4		Replace magnesium sacrificial anodes on valve blade - 8 per valve	No.	16.0		
5.8.5		Repair and touch up damage to the corrosion protection on the valve components	Sum	2.0		
5.8.6		Stage 2 - Refurbish valve (Provisional) Move valve to an approved repair facility, Remove clamp ring clean and polish; Clean seal landing and edge of blade remove all rust and paint Carboguard 891, 450 microns; Clean and polish body seat; Remove blade seal; Paint clamp ring Carboguard 891, 450 Microns; Fit new blade seal; Fit clamp ring (Stainless steel cap screws to be replaced ±15%); Close butterfly valve and reset gearbox stoppers; Adjust blade seal and check with feeler gauge to ensure proper seal between seal and body seat.	Sum	2.0		
5.8.7		Stage 3 - Pressure Test (Provisional) Pressure Test of Valve - to be carried out when blade seal has been removed and refitted	Sum	2.0		
5.8.8		Stage 4 - Refit Replace valve in pipe work	Sum	2.0		
5.8.9		250mm Dia Butterfly Valve - Caledon Dewatering Shaft Stage 1 - Inspection and Corrosion Protection Expose valves for inspection	Sum	2.0		
5.8.10		Inspection and report including hand gearboxes	Sum	2.0		
5.8.11		Replace magnesium sacrificial anodes on valve blade	No.	8.0		
5.8.12		Repair and touch up damage to the corrosion protection on the valve components	Sum	2.0		
5.8.13		Stage 2 - Refurbish valve (Provisional) Move valve to an approved repair facility, Remove clamp ring clean and polish; Clean seal landing and edge of blade remove all rust and paint Carboguard 891, 450 microns; Clean and polish body seat; Remove blade seal; Paint clamp ring Carboguard 891, 450 Microns; Fit new blade seal; Fit clamp ring (Stainless steel cap screws to be replaced ±15%); Close butterfly valve and reset gearbox stoppers; Adjust blade seal and check with feeler gauge to ensure proper seal between seal and body seat.	Sum	2.0		
5.8.14		Stage 3 - Pressure Test (Provisional) Pressure Test of Valve - to be carried out when blade seal has been removed and refitted	Sum	2.0		
5.8.15		Stage 4 - Refit Replace valve in pipe work	Sum	2.0		
5.8.16		Inspect and report on 50mm dia bolted bonnet gate valves and piping - Smith Class 800	Sum	1.00		
5.8.17		Refurbish or Replace 50mm dia bolted bonnet gate valve - Smith Class 800 if required	Sum	2.00		
5.8.18		Repair, sand blast and recoat pipe work if required	Sum	1.0		
5.8.19		Install blast grit filter systems to prevent contamination of the river	Sum	1.0		
5.8.20		Inspect and report on 50mm dia bolted bonnet gate valves and piping - Smith Class 800	Sum	1.00		
5.8.21		Inspect downstream pipe work and fixed cone sleeve valves and repair if required.	Sum	2.0		
Total Carried to Summary (Excl. VAT)						

TUNNEL - CALEDON ACCESS

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
6		Caledon Access and Entrance				
6.1		Heavy duty perimeter fence (2,4m high) and heavy duty vehicular access gate (4,5m long)				
6.1.1		(a) Excavate foundation trench	m3	6.0		
6.1.2		(b) Supply and place shukuma column bases and columns	No.	10.0		
6.1.3		(c) Supply and place 120mm shukuma wall panels with a crane (5 ton)	No.	9.0		
6.1.4		(d) Supply and install Gate	No	1.0		
6.2		Gabion Repairs and Protection				
6.2.1		Repair gabion mesh with mesh type 80 with 2.7 mm Class A galvanised wire	m2	58.5		
6.2.2		50mm (nominal) thick sprayed concrete to the entire exposed gabion faces	m2	585.0		
6.2.3		25mm diameter drainage holes	No.	292.0		
6.2.4		Supply access scaffolding (up to 14m high)	Sum	1.0		
Total Carried to Summary (Excl. VAT)						

TUNNEL -VENT SHAFTS & AIR VALVES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
7		Vent Shafts & Air Valves				
7.1		VS No 6A				
7.2		Inspect vent shaft cap and report	Sum	1.0		
		Air Valve South and North				
7.2		Inspect Air 150mm NB gate S/S valve, vent and report	No.	2.0		
7.3		Replace valves if required	No.	2.0		
7.4		Replace filters if required	No.	2.0		
Total Carried to Summary (Excl. VAT)						

						ASH OUTFALL
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
8		Outfall				
8.1		4.6m diameter Ash Outfall (10m)				
8.2		Place a guards at Ash Outfall (24hrs for duration of shutdown)	month	6.0		
8.3		Install and service mobile ablution facility	Sum	1.0		
8.4		Paint stop logs before shutdown and put in place stop logs at shutdown with Crane (5 ton) with rigger	Sum	1.0		
8.5		Cleaning of algae & debris	Sum	1.0		
8.6		Inspection of outfall and report	Sum	1.0		
8.7		Repair concrete where needed				
8.7.1		(a) Remove and replace damaged polysuphide construction joint filler	m	5.0		
8.7.2		(b) Filling of holes in concrete. Loose material to be removed and filled with Lamposilex	No.	2.0		
8.8		If required, supply normal mobile scaffolding with castor wheels for repairs for walls or rope access	Sum	1.0		
Total Carried to Summary (Excl. VAT)						

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	ASH RIVER
						AMOUNT (Rand) (Excl. VAT)
9		Ash River (26000m)				
9.1		Objects obstructing water flow				
9.1.1		Removal of trees impeding water flow	No	4.0		
9.1.2		Removal of boulders impeding water flow	No	3.0		
9.2		Repairs (provisional)				
9.2.1		Site A				
9.2.1.1		Re-vegetation	m ²	460.0		
9.2.1.2		Riprap - d ₅₀ (mm) 400	m ³	4,000.0		
9.2.1.3		Filter 2 - d ₅₀ (mm) 60	m ³	800.0		
9.2.1.4		Filter 1 - d ₅₀ (mm) 8	m ³	800.0		
9.2.1.5		Geofabric	m ²	4,000.0		
9.2.1.6		Excavation	m ³	5,700.0		
9.2.2		Site B1				
9.2.2.1		Riprap - d ₅₀ (mm) 300	m ³	1,500.0		
9.2.2.2		Filter 2 - d ₅₀ (mm) 45	m ³	400.0		
9.2.2.3		Filter 1 - d ₅₀ (mm) 5	m ³	400.0		
9.2.2.4		Geofabric	m ²	2,000.0		
9.2.2.5		Excavation	m ³	950.0		
9.2.3		Site B2				
9.2.3.1		Re-vegetation	m ²	180.0		
9.2.3.2		Riprap - d ₅₀ (mm) 200	m ³	860.0		
9.2.3.3		Filter 2 - d ₅₀ (mm) 30	m ³	344.0		
9.2.3.4		Filter 1 - d ₅₀ (mm) 5	m ³	344.0		
9.2.3.5		Geofabric	m ²	1,720.0		
9.2.3.6		Excavation	m ³	1,408.0		
9.2.4		Site C1				
9.2.4.1		Riprap - d ₅₀ (mm) 1700	m ³	1,573.0		
9.2.4.2		Filter 2 - d ₅₀ (mm) 255	m ³	247.0		
9.2.4.3		Filter 1 - d ₅₀ (mm) 25	m ³	74.0		
9.2.4.4		Geofabric	m ²	370.0		
9.2.4.5		Excavation	m ³	190.0		
9.2.4.6		Concrete works	m ³	53.0		
9.2.5		Site C2				
9.2.5.1		Re-vegetation	m ²	2,700.0		
9.2.5.2		Riprap - d ₅₀ (mm) 450	m ³	7,313.0		
9.2.5.3		Filter 2 - d ₅₀ (mm) 70	m ³	1,300.0		
9.2.5.4		Filter 1 - d ₅₀ (mm) 8	m ³	1,300.0		
9.2.5.5		Geofabric	m ²	6,500.0		
9.2.5.6		Excavation	m ³	11,000.0		
9.2.5.7		Backfilling	m ³	3.0		

						ASH RIVER
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
9.2.6		Stormwater canals				
9.2.6.1		Re-vegetation	m ²	770.0		
9.2.6.2		Riprap - d ₅₀ (mm) 30	m ³	560.0		
9.2.6.3		Filter 1 - d ₅₀ (mm) 3	m ³	560.0		
9.2.6.4		Geofabric	m ²	2,800.0		
9.2.6.5		Excavation	m ³	1,500.0		
9.2.6.6		Berm	m ³	3,000.0		
9.2.6.7		Concrete	m ³	260.0		
9.2.7		Site D				
9.2.7.1		Riprap - d ₅₀ (mm) 300	m ³	2,625.0		
9.2.7.2		Filter 2 - d ₅₀ (mm) 45	m ³	700.0		
9.2.7.3		Filter 1 - d ₅₀ (mm) 5	m ³	700.0		
9.2.7.4		Geofabric	m ²	3,500.0		
9.2.7.5		Excavation	m ³	1,100.0		
9.3		a) Provisional sum for work identified after shutdown	Prov Sum	1.0	9,200,000.00	9,200,000.00
9.4		(b) Overheads, charges & profit on (a) above	%	9,200,000.0		
Total Carried to Summary (Excl. VAT)						

						POST SHUTDOWN
ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rand) (Excl. VAT)
10		Post Shutdown Items				
10.1		Close bulkhead domes with new 10mm rubber O-ring and torque to 1700 Nm.	No.	3		
10.2		Remove stop logs, repair, paint and place stop logs to storage (Crane 5 ton)	Sum	1.0		
10.3		Install Dihlabeng municipal piping connection 700mm Diameter	Sum	1.0		
10.4		Inspection for water leaks during filling - CONTRACTOR	Sum	1.0		
Total Carried to Summary (Excl. VAT)						

Schedule

Schedule		SUMMARY OF SECTIONS				AMOUNT (Rand) (Excl. VAT)
SECTION	DESCRIPTION					
1	PRELIMINARY & GENERAL - PRE-SHUTDOWN					
2	PRE-SHUTDOWN ITEMS					
3	PRELIMINARY & GENERAL - SHUTDOWN					
4	TUNNEL - STEEL LINED SECTIONS					
5	TUNNEL - CONCRETE LINED SECTIONS					
6	TUNNEL - CALEDON ACCESS					
7	TUNNEL - AIR VALVES					
8	ASH OUTFALL					
9	ASH RIVER					
10	POST SHUTDOWN					
	SUBTOTAL (Excl. VAT)					
	CPA (N/A)					
	SUBTOTAL (Excl. VAT)					
	CONTINGENCIES (15%)					
	SUBTOTAL (Excl. VAT)					
	VAT (15%)					
	GRAND TOTAL (Incl. VAT)					

TCTA will evaluate all Bid Submissions in terms of the Preferential Procurement Policy Framework Act, No.5 of 2000 (PPPFA).

T2: RETURNABLE DOCUMENTS

T2: RETURNABLE DOCUMENTS

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Page

T2.2: RETURNABLE SCHEDULES

T2.2.1 RETURNABLE FORMS – FUNCTIONAL REQUIREMENTS

Form A1 – Record of Addenda to Tender Documents

The undersigned confirm that the following communications received from TCTA before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Attach additional pages if more space is required.

SIGNED ON BEHALF OF THE TENDERER:

FORM A2: CERTIFICATE OF INSURANCE COVER

Note to tenderer:

In the event of the tenderer being a joint venture/consortium the details of the individual members must also be provided.

The tenderer shall provide the following details of this insurance cover:

i) Name of Tenderer:

ii) Period of Validity:

iii) Value of Insurance:

- Insurance for Works and Contractor’s Equipment

Company:

Value:

- Insurance for Contractor’s Personnel

Company:

Value:

- General public liability

Company:

Value:

- SASRIA

Company:

Value:

SIGNED ON BEHALF OF THE TENDERER:

FORM A3: TENDERER’S BANK DETAILS

Notes to tenderer:

1. The tenderer shall attach to this form a letter from the bank at which he declares he conducts his account. The contents of the bank’s letter must state the credit rating that it, in addition to the information required below, accords to the tenderer for the business envisaged by this tender. Failure to provide the required letter with the tender submission may render the tenderer’s offer unresponsive in terms of C.3.8 of the CIDB Standard Conditions of Tender.
2. The tenderer’s banking details as they appear below shall be completed.
3. In the event that the tenderer is a joint venture enterprise, details of all the members of the joint venture shall be similarly provided and attached to this form.

The tenderer shall provide the following:

- i) Name of Account Holder:
- ii) Account Number:
- iii) Bank name:
- iv) Branch Number:
- v) Bank and branch contact details
-

SIGNED ON BEHALF OF THE TENDERER:

FORM A5: SCHEDULE OF CURRENT COMMITMENTS

Notes to tenderer:

1. The tenderer shall list below all contracts currently under construction or awarded and about to commence and tenders for which offers have been submitted but awards not yet made.
2. In the event of a joint venture enterprise, details of all the members of the joint venture shall similarly be attached to this form.
3. The lists must be restricted to not more than 10 contracts and 10 tenders. If a tenderer’s actual commitments or potential commitments are greater than 10 each, those listed should be in descending order of expected final contract value or sum tendered.

Table 1 Contracts awarded				
Client	Project	Expected total value of contract (incl. VAT)	Duration (Months)	Expected completion date

Table 2 TENDERS NOT YET AWARDED				
Client	Project	Sum Tendered (incl. VAT)	Tendered Duration (Months)	Expected commencement

SIGNED ON BEHALF OF THE TENDERER:

FORM A6: CERTIFICATE OF COMPLIANCE WITH OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 AND CONSTRUCTION REGULATIONS, 2003

Note to tenderer:

Discovery that the tenderer has failed to make proper disclosure may result in TCTA terminating a contract that flows from this tender on the ground that it has been rendered invalid by the tenderer’s misrepresentation.

The tenderer shall attach to this Form evidence that he is registered and in good standing with a compensation insurer who is approved by Department of Labour in terms of section 80 of the Compensation for Injury and Disease Act (COID) (Act 130 of 1993).

The tenderer is required to disclose, by also attaching documentary evidence to this form, all inspections, investigations and their outcomes conducted by the Department of Labour into the conduct of the tenderer at any time during the 36 months preceding the date of this tender.

SIGNED ON BEHALF OF THE TENDERER:

FORM A7: CERTIFICATE OF REGISTRATION WITH CIDB

The tenderer shall provide a printed copy of the Active Contractor's Listing off the CIDB website. (www.cidb.org.za)

Name of Contractor:

Contractor Grading Designation:

CIDB Contractor Registration Number:

FORM A9 - SBD 1 – INVITATION TO BID**PART A
INVITATION TO BID****YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE TRANS-CALEDON TUNNEL AUTHORITY**

BID NUMBER:	050/2023/PMID/SHUTDOWN/RFB	CLOSING DATE:	30 April 2024	CLOSING TIME:	12H00
DESCRIPTION	LHWP 2024 SHUTDOWN OUTAGE – INSPECTION AND REPAIRS OF DTN AND EROSION PROTECTION TO ASH RIVER				

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)

First Floor
Building 9 Byls Bridge Office Park
Cnr Olivenhoutsbosch & Jean Avenue
Doringkloof, Centurion
0046

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO**TECHNICAL ENQUIRIES MAY BE DIRECTED TO:**

CONTACT PERSON	Colbert Makhubele	CONTACT PERSON	Colbert Makhubele
TELEPHONE NUMBER	N/A	TELEPHONE NUMBER	N/A
FACSIMILE NUMBER	N/A	FACSIMILE NUMBER	N/A
E-MAIL ADDRESS	Tenders04@tcta.co.za	E-MAIL ADDRESS	Tenders04@tcta.co.za

SUPPLIER INFORMATION

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 No:	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 IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]

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

QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? YES NO

DOES THE ENTITY HAVE A BRANCH IN THE RSA? YES NO

DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? YES NO

DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? YES NO

IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? YES 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 2.3 BELOW.

PART B
TERMS AND CONDITIONS FOR BIDDING

- 1. BID SUBMISSION:**
- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
 - 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.**
 - 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
 - 1.4. **THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).**

- 2. TAX COMPLIANCE REQUIREMENTS**
- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
 - 2.2 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.
 - 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
 - 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
 - 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
 - 2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
 - 2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE.”

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:

FORM A10 – SBD4 - BIDDER’S DISCLOSURE

1. PURPOSE OF THE FORM

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.

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.

2. BIDDER’S DECLARATION

2.1 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**

2.1.1 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

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:
.....
.....

2.3 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**

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.

2.3.1 If so, furnish particulars:

.....
.....

3 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:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 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.
- 3.4 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 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.
- 3.4 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.
- 3.5 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.
- 3.6 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.

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.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 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.

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

FORM A11 - SBD 6.1 - PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

1.1 The following preference point systems apply to this bid:

- 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 exceed R50 million (all applicable taxes included), and therefore the 90/10 preference point system will be applicable in this tender.

1.3 Points for this tender shall be awarded for:

- a) Price; and
- b) Specific Goals.

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

	POINTS
PRICE	90
SPECIFIC GOALS	10
Total points for Price and SPECIFIC GOALS	100

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

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

2. DEFINITIONS

- a) "tender" means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- b) "price" means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;

- c) “rand value” means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- d) “tender for income-generating contracts” means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- e) “the Act” means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 90/10 PREFERENCE POINT SYSTEMS

A maximum of 90 points is allocated for price on the following basis:

90/10

$$P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

P_s = Points scored for price of tender under consideration

P_t = Price of tender under consideration

P_{\min} = Price of lowest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
 - a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
 - b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and

80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)
100% black ownership	10	
75% - 99% black ownership	8	
60% - 74% black ownership	6	
51% - 59% black ownership	3	
0% - 50% black ownership	0	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

[TICK APPLICABLE BOX]

- Partnership/Joint Venture / Consortium
- One-person business/sole propriety
- Close corporation
- Public Company
- Personal Liability Company (Pty) Limited
- Non-Profit Company
- State Owned Company

4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I 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 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;

iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –

- (a) disqualify the person from the tendering 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) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted 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
- (e) forward the matter for criminal prosecution, if deemed necessary.

SIGNATURE(S) OF TENDERER(S)	
SURNAME AND NAME:
DATE:
ADDRESS:

FORM B1: SCHEDULE OF WORK EXPERIENCE

Client Name	Project Description, location, completion certificate and Value	Services Provided (tick relevant box)		Project Duration (Indicate month and year)		Name and Surname of Contact person	Designation of Contact Person	Contact Details
				Start Date	End Date			
		Refurbishment of steel pipelines or steel lined tunnels of a diameter > 1,2m	Maintenance or refurbishment of bulk water conveyance systems or pressurized water tunnels					
1								
2								
3								
4								
5								
9								
10								

SIGNED ON BEHALF OF THE TENDERER:

FORM B2.1:SCHEDULE OF KEY PERSONNEL EXPERIENCE – CONTRACTS MANAGER

Name	
ID or Passport No	
ECSA or SACQSP or internationally recognised equivalent No.	

Name of Employer	Position	Start Date	End Date	Years experience	Name of projects worked on , Location of project, client's name, address, telephone number and email.	Description of relevant duties to show the following: <ul style="list-style-type: none"> that you have at least 10-years' experience in contract management and administration of infrastructure projects, Aswell as <u>experience as a Contracts Manager on at least two projects with a Construction value of R100m (Inc VAT)</u>

SIGNED ON BEHALF OF THE TENDERER:

FORM B2.2: SCHEDULE OF KEY PERSONNEL EXPERIENCE – CORROSION PROTECTION SPECIALIST

Name	
ID or Passport No	
ECSCA and SAQCC-Corrosion Protection or NACE international institute on corrosion/coatings or equivalent No.	

Name of Employer	Position	Start Date	End Date	Years experience	Name of projects worked on , Location of project, client's name, address, telephone number and email.	Description of relevant duties to show that you have at least 10-years' experience on bulk water infrastructure or maintenance of steel pipes in wet conditions - of sizes of > 1.2m diameter, mechanical equipment's-pipes, valves and structural steel

SIGNED ON BEHALF OF THE TENDERER:

FORM B2.3: SCHEDULE OF KEY PERSONNEL EXPERIENCE – HEALTH and SAFETY MANAGER

Name	
ID or Passport No	
SACPCMP Registration as manager No.	

Name of Employer	Position	Start Date	End Date	Years experience	Name of projects worked on , Location of project, client's name, address, telephone number and email.	Description of relevant duties to show that you have at least 5-years' experience in health and safety protocols in construction and maintenance projects.

SIGNED ON BEHALF OF THE TENDERER:

FORM B3: SCHEDULE OF SPECIALIST SUBCONTRACTORS

With regard to sub-clause 4.3 of the General Conditions of Contract:

Note to tenderer:

1. **The tenderer shall list below the specialist items of work on this contract. Alternatives may be mentioned.**
2. **The tenderer shall state whether he intends to carry out any specialised work himself.**
3. **The tenderer shall not be entitled to change specialist subcontractor without the written consent of the employer and any change must be a specialist subcontractor of equal or better experience.**

Acceptance of this tender shall not be construed as approval of all or any of the listed specialist subcontractors. Should any or all of the specialist subcontractors not be approved subsequent to the acceptance of the tender, it shall in no way invalidate this tender, and the tendered unit rates for the various items of work shall remain final and binding, even in the event of a subcontractor not listed below being approved by the engineer.

SPECIALISED ITEM	NAME OF SPECIALIST SUBCONTRACTOR

SIGNED ON BEHALF OF TENDERER:.....

FORM B4: INDICATIVE CONSTRUCTION PROGRAMME

The tenderer shall attach a preliminary programme, reflecting the proposed sequence and tempo of execution of the various activities comprising the work for this contract. The programme shall be in accordance with the information provided in form B5: Schedule of estimated monthly expenditure / cash flow, and with all other aspects of the tender.

SIGNED ON BEHALF OF TENDERER:.....

FORM B5: SCHEDULE OF ESTIMATED MONTHLY EXPENDITURE

The tenderer shall state his estimated value of the work to be completed every month, based on his preliminary programme and his tendered unit rates, in the table below.

MONTH	VALUE
Pre-shutdown	
August 2024	R
September 2024	R
Shutdown	
October 2024	R
November 2024	R
December 2024	R
January 2024	R
February 2024	R
March 2024	R
March 2025 (final)	R
TOTAL: R	

* Final payment at end of defects notification period is for balance of retention and any other payments due.

SIGNED ON BEHALF OF TENDERER:.....

FORM B6: COMPLETION CERTIFICATES

The tenderer shall attach all final completion certificates for all projects listed in FORM B1 SCHEDULE OF WORK EXPERIENCE signed by the Engineer or Employer.

FORM B7: CONTRACTS MANAGER PROFESSIONAL REGISTRATION CERTIFICATE

The tenderer shall attach a copy of the valid professional registration for the requirements of FORM B2.1
SCHEDULE OF KEY PERSONNEL EXPERIENCE – CONTRACTS MANAGER

FORM B8: CORROSION PROTECTION PROFESSIONAL REGISTRATION CERTIFICATE

The tenderer shall attach a copy of the valid professional registration for the requirements of **FORM B2.2: SCHEDULE OF KEY PERSONNEL EXPERIENCE – CORROSION PROTECTION SPECIALIST**

FORM B9: HEALTH AND SAFETY MANAGER REGISTRATION CERTIFICATE

The tenderer shall attach a copy of the valid professional registration for the requirements of **FORM B2.3:**

SCHEDULE OF KEY PERSONNEL EXPERIENCE – HEALTH and SAFETY MANAGER