



CITY OF TSHWANE METROPOLITAN MUNICIPALITY

TENDER NUMBER:

WS 04 2022/23

TENDER DESCRIPTION:	TENDER FOR THE MAINTENANCE OF THE EXISTING POTABLE WATER PUMPS, ELECTRICAL EQUIPMENT AND (MOTOR CONTROL CENTRE) MCC PANELS FOR WATER TREATMENT PLANTS, BOREHOLES, SPRINGS/FOUNTAINS, AND PUMP STATIONS OF THE CITY OF TSHWANE AS AND WHEN REQUIRED FOR A PERIOD OF THREE YEARS
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NAME OF BIDDER:

CSD NUMBER:

VENDOR NUMBER (WHERE APPLICABLE)

Prepared by:
City of Tshwane Metropolitan Municipality
Tshwane House
320 Madiba Street
Pretoria CBD
0002

BID CLOSING DATE

24 AUGUST 2022

Only bidders registered on the central supplier database (CSD) and with a CSD number will be considered for this tender, as this is a requirement from the National Treasury.



CITY OF TSHWANE METROPOLITAN MUNICIPALITY

DEPARTMENT: WATER AND SANITATION

Bids are hereby invited from suppliers for the following bid:

Bid number	Description	Department	Contact person	Compulsory briefing session	Closing date
WS 04 2022/23	TENDER FOR THE MAINTENANCE OF THE EXISTING POTABLE WATER PUMPS, ELECTRICAL EQUIPMENT AND (MOTOR CONTROL CENTRE) MCC PANELS FOR WATER TREATMENT PLANTS, BOREHOLES, SPRINGS/ FOUNTAINS AND PUMP STATIONS OF THE CITY OF TSHWANE AS AND WHEN REQUIRED FOR A PERIOD OF THREE YEARS	WATER AND SANITATION	Dumisani Tshabalala DumisaniT@tshwane.gov.za (012) 358 5759 Lukkiet Thobejane-Selowe Lukkiet3@tshwane.gov.za (012) 358 6282	Date: 7 July 2022 Venue: Rietvlei Water Treatment Plant 1 Dam (M31 Nellmapius Drive) Time: 10:00	24 August 2022 at 10:00

THE DOCUMENT IS DOWNLOADABLE ON THE E-TENDER PORTAL.

Each quotation shall be enclosed in a sealed envelope that bears the correct identification details and shall be placed in the tender box located at:

City of Tshwane Metropolitan Municipality
Tshwane House
320 Madiba Street
Pretoria CBD
0002

Documents must be deposited in the bid box not later than **10:00 on 24 August 2022** when bids will be opened in public.

- Technical enquiries: Dumisani Tshabalala (012 358 5759 or dumisanit@tshwane.gov.za)
- Supply chain enquiries: Lukkiet Thobejane-Selowe (012 358 6282 or lukkiet3@tshwane.gov.za)

Bids will remain valid for a period of 90 days after the closing date.

Bids received after the closing date and time will not be considered. The City of Tshwane does not bind itself to accept the lowest or any other bid in whole or in part.

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VERY IMPORTANT NOTICE ON DISQUALIFICATIONS

A bid that does not comply with the peremptory requirements stated hereunder will be regarded as not being an “acceptable bid”, and such a bid will be rejected. An “acceptable bid” means any bid which, in all respects, complies with the conditions of the bid and the specifications as set out in the bid documents, including the conditions as specified in the Preferential Procurement Policy Framework Act, 2000 (Act 5 of 2000) and related legislation as published in *Government Gazette 22549*, dated 10 August 2001, in terms of which provision is made for this policy.

1. If any pages have been removed from the bid document and have therefore not been submitted or if a copy of the original bid document has been submitted.
2. If the bid document is completed using a pencil. Only black ink must be used to complete the bid document.
3. The bidder attempts to influence or has in fact influenced the evaluation and/or awarding of the contract.
4. The bid has been submitted after the relevant closing date and time.
5. If any bidder who, during the last five years, has failed to perform satisfactorily on a previous contract with the municipality, municipal entity or any other organ of state after written notice was given to that bidder that performance was unsatisfactory.
6. The accounting officer must ensure that, irrespective of the procurement process followed, no award may be given to a person –
 - (a) who is in the service of the state;
 - (b) if that person is not a natural person, of which any director, manager, principal shareholder or stakeholder is a person in the service of the state; or
 - (c) who is an advisor or consultant contracted to the municipality in respect of a contract that would cause a conflict of interest.
7. Bid offers will be rejected if the bidder or any of his/her directors are listed on the Register of Bid Defaulters in terms of the Prevention and Combating of Corrupt Activities Act, 2004 (Act 12 of 2004) as a person prohibited from doing business with the public sector.
8. Bid offers will be rejected if the bidder has abused the City of Tshwane supply chain management system.
9. Failure to complete and sign the certificate of independent determination or disclosure of wrong information.

Failure to comply with the above will lead to immediate disqualification.

Bidder

CERTIFICATE OF AUTHORITY FOR SIGNATORY

Status of concern submitting tender (delete whichever is not applicable):

COMPANY/PARTNERSHIP/ONE-PERSON BUSINESS/CLOSE CORPORATION/JOINT VENTURE

A. COMPANY

If the bidder is a company, a certified copy of the resolution of the board of directors that is personally signed by the chairperson of the board, authorising the person who signs this bid to do so and to sign any contract resulting from this bid, and any other documents and correspondence in connection with this bid or contract on behalf of the company, must be submitted with this bid.

An example is shown below:

By resolution of the board of directors on 20.....,
Mr/Ms has been duly
authorised to sign all documents in connection with
Bid Number

SIGNED ON BEHALF OF THE COMPANY:

IN HIS/HER CAPACITY AS

DATE:

SIGNATURE OF SIGNATORY:

WITNESSES: 1.

2.

B. PARTNERSHIP

The following particulars in respect of every partner must be furnished and signed by every partner:

Full name of partner	Residential address	Signature
.....
.....
.....

We, the undersigned partners in the business trading as, hereby authorise to sign this bid as well as any contract resulting from the bid and any other documents and correspondence in connection with this bid or contract on our behalf.

.....
Signature	Signature	Signature

.....
Date	Date	Date

C. ONE-PERSON BUSINESS

I, the undersigned,, hereby confirm that I am the sole owner of the business trading as

.....
Signature	Date

D. CLOSE CORPORATION

In the case of a close corporation submitting a bid, a certified copy of the founding statement of such corporation shall be included with the bid with a resolution by its members, authorising a member or other official of the corporation to sign the documents and correspondence in connection with this bid or contract on behalf of the company.

An example is shown below:

By resolution of the members at the meeting on 20..... at
....., Mr/Ms, whose
signature appears below, has been duly authorised to sign all documents in
connection with Bid Number

SIGNED ON BEHALF OF THE CLOSE CORPORATION:

IN HIS/HER CAPACITY AS:

DATE:

SIGNATURE OF SIGNATORY:

WITNESSES: 1.

 2.

E. CERTIFICATE OF AUTHORITY FOR JOINT VENTURES

This returnable schedule is to be completed by joint ventures.

We, the undersigned, are submitting this bid offer in joint venture and hereby authorise Mr/Ms , authorised signatory of the company..... , acting in the capacity of the lead partner, to sign all documents in connection with the bid offer and any contract resulting from it on our behalf.

NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner		Signature: Name: Designation:
		Signature: Name: Designation:
		Signature: Name: Designation:
		Signature: Name: Designation:



Water and Sanitation Department

BID NAME

TENDER FOR THE MAINTENANCE OF THE EXISTING POTABLE WATER PUMPS, ELECTRICAL EQUIPMENT AND (MOTOR CONTROL CENTRE) MCC PANELS FOR WATER TREATMENT PLANTS, BOREHOLES, SPRINGS/FOUNTAINS AND PUMP STATIONS OF THE CITY OF TSHWANE AS AND WHEN REQUIRED FOR A PERIOD OF THREE YEARS

BID NUMBER WS 04 2022/23

1. INTRODUCTION AND PURPOSE

The City of Tshwane objective is to procure the services of maximum three experienced service providers to perform the maintenance of the existing potable water pumps and electrical motors for water treatment plants, boreholes, springs/fountains and pump stations of the City of Tshwane as and when required for a period of three years.

2. BACKGROUND

The Water Treatment Works are located within the City of Tshwane's regions Temba Water Treatment Works (WTW) Region 2, Roodeplaat WTW Region 5, Rietvlei WTW Region 6 and Bronkhorstspuit WTW Region 7, with access via provincial and district road network. The Water Treatment Works generally include all or some of the following bulk infrastructure units:

- Raw water abstraction.
- Water Treatment Works (WTW);
- Water Pumps and Motors in the treatment facilities.

The Water Treatment Works exclude all reticulation systems.

The associated water sources include the following:

- Borehole water
- Fountains/springs water

The WTW's included in this contract are as follows:

Water Treatment Works	Description	Design Capacity Mega liters per day (MLD)	Current Utilisation %
Roodeplaat WTW	Raw water abstraction from Roodeplaat Dam; flocculation; Dissolved Air Flotation (DAF); Settling; Filtration; Disinfection; Clear water pumping; command reservoirs; telemetry system	60 MLD	60%
Temba WTW	Raw Water pump station below Leeuwkraal Dam, flocculation; settling; Dissolved Air Flotation (DAF); Rapid Gravity Sand Filters (RGSF), Ultraviolet (UV) disinfection, clear water pump stations; rising main, Command bulk reservoirs; telemetry system	60MLD (To be upgraded to 120 MLD)	92%
Bronkhorstspuit WTW	Raw water abstraction from Bronkhorstspuit Dam; flocculation; settling; filtration; disinfection; clear water pumping; command reservoirs; telemetry system	54 MLD	93%
Rietvlei WTW	Raw water abstraction from Rietvlei Dam; pre-chlorination; flocculation; settling; Dissolved Air Flotation (DAF); filtration; disinfection; clear water pumping; command reservoirs; telemetry system	40 MLD	93%

LOCATION OF THE WATER TREATMENT WORKS

All the Water Treatment Works are located within the municipal area of the City of Tshwane.

Below is a list of all Water Treatment Works Co-ordinates.

AREA	DRINKING WATER TREATMENT WORKS NAME	GPS Coordinates	
		South	East
Region 2	Temba WTW	25°22'56"	28°15'11"
Region 5	Roodeplaat WTW	25°37'13.34"	28°20'28.56"
Region 6	Rietvlei WTW	25°52'38.1"	28°15'50.2"
Region 7	Bronkhorstspuit WTW	25°47'35.18"	28°43'44.21"
	Summerplace WTW	25°53'32.91"	28°40'2.56"
	Bronkhorstbaai WTW	25°53'30.05"	28°41'37.04"

3. PROJECT SCOPE

3.1 Maintenance Services

The service providers shall provide maintenance services of potable pumps and electrical motors for water treatment plant, potable water pump stations, boreholes and springs/fountains involving the following engineering and general disciplines:

Mechanical maintenance on potable pumps entails:

- Removal,
- Testing,
- Stripping,
- Repair or Replace
- Reassembling
- Pressure Testing
- Installation

Electrical maintenance on electrical equipment entails:

- Testing
- Disconnection
- Removal
- Stripping
- Repair or Replace
- Reassembling
- Installation

3.2 Monitoring Services

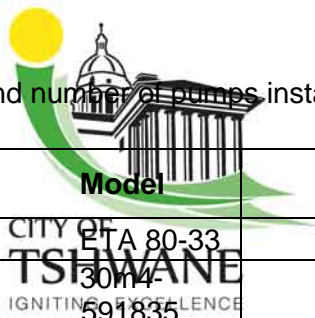
In order to ensure an uninterrupted service, additional specialised monitoring and support services including:

- Electro-mechanical inspections include the following
Pump and Motor conditioning monitoring,
- Pump and Motor performance monitoring, including demand and supply; and quantity parameters.

4. OVERVIEW OF THE POTABLE WATER PUMP STATIONS

The City of Tshwane is operating and maintaining strategically placed water pump stations that supply water to residents around all the seven regions of the City of Tshwane. Pumping systems are comprised of mechanical pumps, motors, their drives and general pipework and its valves. There are remote monitoring systems installed at these pump station sites, the telemetry systems that monitor the operating mode and conditions of the pumps.

Here are the pump stations and number of pumps installed that the City of Tshwane is operating and maintaining:



Pump station	Pump	Model	Motor	Size kW	Speed	Quantity	Street
Constantia	Ksb	ETA 80-33	Crampton	15hp	1450	2	Verdi
Lynnwood	Worthington	30m4 591835		11	2900	2	The Koppie
Cornwall Hill int	Ksb	Wkln 50/2	Siemens	11	2900	2	Cornwood Ave
Bakenkop old	Ksb	ETA 100-25	BMM	15	1450	2	De Koppie
Bakenkop new	Ksb	ETA 150-315	Motorelli	37	1450	2	De Koppie
Soshanguwe	APE	150-315	BMM	45	1475	2	Aubrey Motlakalo
Garsfontein	Howden	HSRB8FY	BMM	300	1450	3	Wekker
Garsfontein	Salmson	ASP200e	MG	315	1450	2	Wekker
Elardus Park	Salweir	SDC250	Weg	220	1450	2	Frensch
Cornwall Hill B	APE	HSC	Dutchi/Mot	90	1450	2	R21
Erasmusrand	Ksb	Eta 80-16	English elec	20	2900	2	Saalsak Cres
Moreletta	Samco	6x4x14C	Weg	30	1450	2	Republic
Mooikloof	Unistream	125/32	Motorelli	30	1450	1	Yataghan
Olympus old	Ksb	ETA 65/250	Motorelli	37	1955	1	Achilles
Olympus new	Ksb	wkln100/4	Dutchi	55	1450	2	Achilles
Rayton	Ksb	ETA80-160	BMM	11	2900	2	R 515
Murrayfield	Ksb	ETA 80-33	Lancashire	15	1450	2	
Derdepoort	Unknown					2	R 513
Grootfontein B	Unknown		CMG	75	1450	2 series	Ursula

Grootfontein Res	Normaflo	NE 125-250	VEM	15	1450	2	Charles	
Mooikloof Ridge	Unknown		CMG	75	1450	2	Augrabies	
Mooikloof B	Ksb	ETA 150-60	BMG	132	1450	3	Trumperter	
Mnandi	Grundfos	NF13-52		5.5hp	2900	2	Monument Ave	
Clifton				160			Clifton Ave	
Brakfontein	Ksb	ETA 200-40	Alstom	90	1450	2	Lenchen	
Brickfields	Worthington	N080/250V	Siemens	90	2900	3		
Makou Str	Ksb	ETB125-400	ReidMitchell	55	1450	2	Waterkloof	
Monument Park	Ksb	ETA150-400	Motorelli	75	1485	2	Waterkloof	
Carina Str	Ksb	ETA150-50	BMG	132	1480	3	Carina	
Klapperkop	Howden	HSRB8FY	BMM	220	1450	3	Johan Rissik	
Te Coma	Howden	NE65-250	Siemens	45	2960	3	Te Coma str	
Muckleneuk	Normaflo	NFM50-500	Weg	18.5	2910	2	Arnold	
Beckett Str								
Montana	Ksb	ETA200-33	Alstom	75	1475	2	Stangeria	
Waterfall	Ksb	ETA65-250	Weg	45	2950	1	Lavender	
Vader Kestell	BP	SDC5/6	BMM	45	1475	2	Brits	
Florauna	Howden	NE50-200	BMM	22	2900	2	Kamdebo	
Pierre Reyneveld v	Samco	10x8x15	CMG	75	1450	3	Mustang	
Doringkloof	Sulzer	ZA250-5500	Weg	230	1450	2	Main	

Rifilwe	Ksb	ETA200-33	Weg	55	1465	2	R 515	
Loulardia	Ksb	ETA150-315	Astom	45	1465	2	Olievenhout	
Valhalla		HS206/8	Hawk	75	1450	2	Alaric	



5. MAINTENANCE

5.1 Maintenance and Support Functions

5.1.1 Legislation

The Service providers shall be obliged to comply with all applicable labour legislation (incl. all regulations and directives issued pursuant to any such legislation) including, but without limitation, the following:

- The Occupational Health and Safety Act 85 of 1993 (OHSAct)
- The Labour Relations Act 66 of 1995 (LRA)
- The Basic Conditions of Employment Act, No. 75 of 1997 (BCEA)
- The Employment Equity Act, No. 55 of 1998 (EEA)
- The Promotion of Equality and Prevention of Unfair Discrimination Act, No. 4 of 2000
- The Skills Development Act, No. 97 of 1998 (SDA)
- The Skills Development Levies Act, No. 9 of 1999 (SDLA)

5.1.2 Maintenance Functions

The Service providers shall provide all maintenance, technical, supervisory and support functions, to perform operations and maintenance functions associated with the Water Treatment Plants and Potable Water Pump Stations.

Tenderers must have the minimum of the organizational structure, including their technical and support structures with full CV's of their key personnel dedicated to the contract

Refer to mandatory requirements

5.1.3 Support Functions

The Tenderer shall provide details of their proposed specialist personnel, support structures and resources essential for a contract of this nature, including, but not limited to:

- A 24/7 help desk assistance, to receive, dispatch and communicate all requests (internally and externally), related to operational, maintenance, repair and emergency matters. Designated competent managers will also be contactable by the City on a 24hour basis, throughout the year.
- An ad hoc SHEQ Manager, to ensure full compliance to Safety, Health, Environmental and Quality requirements

5.2 Specific Equipment Requirements

All repaired equipment shall be cleaned, sandblasted (if necessary as directed by CoT representative) and re-sprayed according to the colour code

guided by OEM (Original Equipment Manufacturers) colours.

6. SPECIAL CONDITIONS

6.1.1 Proof of experience in the form of a signed appointment letters and proof of signed completion certificates with company letterheads, contact names and contact details must be submitted with the tender.

6.1.2 The Tenderer shall liaise with the CoT Representative in charge of a particular water treatment plant when a task is to be executed. All projects executed shall be carried out with permission of the responsible CoT Representative.

6.1.3 Lead Time

The bidder should provide critical spares for all critical equipment to be used in case of emergency. A response time for a callout must be within 2 hours after receiving a call.

6.1.4 Branding of equipment should align with the existing major equipment that is used in the City of Tshwane.

6.1.5 The CoT intends to appoint maximum of three tenderers for all water treatment plants and potable water pump stations. The lowest tenderer(s) will be considered for appointment. If three or two tenderers are appointed, jobs will be allocated on rotational basis. Bidders should tender for ALL Tshwane Treatment Plants and not selectively.

7. STATUTORY AND REGULATORY REQUIREMENTS

In the operation and maintenance of the Water Treatment Works and associated potable water pump stations, the Service provider shall ensure full compliance with all applicable legislation, regulation, code, bylaws and other prescriptions by public authorities, and to this effect shall compile, implement, monitor and maintain a Legal Register incorporating all relevant Acts, Statutory, legislative and regulatory requirements, ensuring these are adhered to at all times, covering, by not limited to the:

- Occupational Health and Safety Act, 1993 (no. 85 of 1993) as amended;
- National Water Act (No. 36 of 1998) as amended;
- Water Services Act (No. 108 of 1997) as amended;
- Environment Conservation Act (No. 73 of 1989) as amended; and the
- National Environmental Management Act (No. 107 of 1998) as amended.
- All labour requirements
- Water Treatment Works License requirements
- Municipal Regulations, Codes and By-laws

8 HEALTH AND SAFETY PLAN

Prior to the commencement of work, a full Health and Safety plan and risk assessment report must be submitted within 14 days of appointment for approval by the City; covering inter alia:

- policies and procedures to ensure full compliance to OHSA (Act 85 of 1993) and its regulations as amended
- incorporation of the Service providers own health and safety policies

- appointment and training (including First Aid training) of Safety Officers and protocols for routine safety meetings
- induction training for all employees
- reporting
- monitoring and auditing
- Non-Conformance Report procedures and closure

9 REPORTING

The service provider/s will be required to report monthly on all aspects relating to their contractual obligations including, but not limited to:

- non-compliances and service interruptions
- Safety Health Environmental and Quality (SHEQ) matters
- staff matters, including training
- maintenance and repairs

10 CONSUMABLES

The Service provider shall include the tendered rates for the cost of consumables associated with routine maintenance of equipment.

11. MAINTENANCE REQUIREMENTS

11.1 Breakdown Maintenance

The Service provider/s shall carry out all breakdown maintenance, being repairs and/or replacement of defective equipment in operable or unsafe, including all subsequent actions to restore the equipment to its normal functional condition, within the specified maximum down-time allowed as per point 12 below.

11.2 Emergency Maintenance

Within the specified down-time limitations, the Service provider/s shall carry out all emergency maintenance, being the repair and/or replacement of a unit of defective plant and equipment where such breakdown is without standby and disables a complete installation, preventing it from functioning at its designed service level.

11.3 Refurbishment and Replacement

Refurbishment and replacement is carried out when equipment has reached the end of its useful or serviceable life and the on-going cost of maintaining the unit exceeds the on-going amortisation cost of replacing or extensively refurbishing of equipment. The service provider/s shall submit a motivational report, with budget costs for any refurbishment or replacement required and implement approved projects upon being awarded a tender.

11.4 The service provider/s should supply all lifting equipment required to remove and install where there is no lifting mechanism and always comply to SWL (Safe Working Load) limits (half a ton up to 5 ton cranes) Maximum load expected.

12. RESPONSE TIMES

The requirements set for maximum downtime and maximum response times shall be as follows:

Event	Maximum downtime allowed	Maximum response time
Breakdown maintenance	3 (three) days	6 (six) hours
Emergency maintenance	12 (twelve) hours	3 (three) hours

The maximum down time is subject to the availability of material and/or spares only.

13. MAINTENANCE COSTS

The Tenderer shall include in his rates for all costs associated with the maintenance of assets as described in BOQ.

14. SAFETY AND ENVIRONMENTAL OBLIGATIONS

The Service provider shall also ensure full compliance with the OHSACT '93 and Environmental Management Plan (to be compiled) at all times. The Service provider shall ensure compliance with safety legislation and regulation and with any safety specifications and directives that may be issued by the City. Any aspect of the Water Treatment Works that requires classification as a Major Hazardous Installation should be so classified and operated and subsequently full legal compliance ensured in this respect.

OBJECTIVE CRITERIA

According to section 2(1)(f) of the Preferential Procurement Policy Framework Act of 2000, the employer reserves a right to conduct service provider's capacity to deliver on the contract and as such any service provider found to pose a risk of non-delivery on any material fact, rates and pricing included, will and/or shall be disqualified.

15 EVALUATION CRITERIA

The bid will be evaluated in 3 stages, namely:

Stage 1: Administrative compliance

Stage 2: Mandatory requirements

Stage 3: Price and BBBEE (90/10 preferential points system)

15.1 Stage 1 (Administrative compliance)

All the bids will be evaluated against the administrative responsiveness requirements as set out in the list of returnable documents.

15.2 Stage 2 (Mandatory Requirements)

The following items are not negotiable. Failure to submit below documents will lead to disqualification.

15.2.1 Proof of all the bidder's maintenance team's valid certified copies of qualifications must be attached to the tender document. Below is a list of maintenance team required:

- Project Manager – submit proof of qualifications in a minimum (Bachelor's Degree or Advanced Diploma – equivalent to NQF level 7 with a minimum of 3 years' experience in electrical or mechanical engineering
- Artisan Electrician or Artisan Millwright* - submit a red seal certificate
- Artisan Fitter and Turner or Artisan Millwright* - submit a red seal certificate
- Plumber – submit a red seal certificate
- Boilermaker – submit a red seal certificate
- Safety Officer - registered with the SACPCMP.

*Artisan Millwright is capable of executing duties of artisan electrician and fitter & turner

15.2.2 Proof of experience in the form of a signed appointment letters and proof of signed completion certificates with company letterheads, contact names and contact details must be submitted with the tender.

15.2.3 The bidder must submit a certified copy of the Wireman's License to prove that they can issue Electrical Certificates of Compliance (COC).
Certificate of Compensation for Occupational Injuries and Disease Act (COIDA)

15.3 Stage 3 (Price and BBBEE) Preferential Point System

The preferential points to be used will be the 90/10 points system in terms of the Preferential Procurement Policy Framework Act, 2000 (Act 5 of 2000) Regulations 2017

It will be 90/10 points system.

- 90 points for price
- 10 points for B-BBEE status (service provider to submit the certified copy of the B-BBEE level rating certificate)

16 VALIDITY PERIOD

The validity period for the tender after closure is 90 days.

17 DRAFT SERVICE LEVEL AGREEMENTS

Included

18 MARKET ANALYSIS

The city of Tshwane reserves the right to conduct market analysis. Should the city exercise this option, where a tenderer offers a price that is deemed not to be viable to supply goods or services as required, written confirmation will be made with the tenderer if they will be able to deliver on the price, if a tenderer confirm that they cannot, The tenderer will be disqualified on the basis of being non-responsive. If they confirm that they can deliver, a tight contract to mitigate the risk of non-performance will be entered into with the service provider. Further action on failures by the supplier to deliver will be handled in terms of the contract including performance warnings and listing on the database of restricted suppliers.

The city further reserves the right to negotiate a market related price with a tenderer scoring the highest points. If the tenderer does not agree to a market-related price, the city reserves the right to negotiate a market-related price with the tenderer scoring the second highest points, if the tenderer scoring the second highest points does not agree to a market-related price, negotiate a market-related price with the tenderer scoring the third highest points. If a market-related price is not agreed, the city reserves the right to cancel the tender.

1. PRICE SCHEDULE**PART 1 : ROODEPLAAT WATER TREATMENT WORKS**

ITEM NO	DESCRIPTION	UNIT	QTY	RATE PER UNIT	AMOUNT (Excl.VAT)
1	WORKS SCHEDULE				
1.2.	ASSET MAINTENANCE				
1.2.1	Replace Pumps & Motors (All items supplied should be SABS approved)				
1.2.2	Water Pump: KSB, ETA 65-200, 0.37kW, Ser. No.- 9971026324/100	No	3		
1.2.3	Water Pump Motor: WEG, 3ph, 0.55kW, GU99758	No	3		
1.2.4	Dozing Pump: ALLDOS Eichler, Ser. No.- 504484, 35l/h, 10 bar	No	4		
1.2.5	Dozing Pump Motor: Siemens, 3ph, 0.09kW, UD 0501/2168151- 5,	No	4		
1.2.6	Pump: KSB, WLn 300/2, Ser no.- 9971635036/200, Head- 214m, 1332 m3/h, Capacitor: 200 KVAR, 3300V,	No	2		
1.2.7	Motor: Alstom, 3,3kV, 223A, 1100 kW, UL400/125,	No	2		
1.2.8	Motor: Alstom, Ser. No.- X104160/01/BB, 132kW	No	2		
1.2.9	Pump: Type- ETA 150-50, Ser. No.- 9970720018/100/1, Q- 288 m3/h, H- 70m, 75.25kW,	No	3		
1.2.10	Pump: Type- ETA 300-35, Ser. No.- 9970720058/100/1, Q- 1019 m3/h, H- 10m, 33.45kW,	No	3		
1.2.11	Motor: Alstom, Ser. No.- X104160/02/BB, 132kW	No	3		
1.2.12	Motor: Alstom, Ser. No.- X104150/01/BC, 45kW,	No	3		
1.2.13	Pump: KSB, type- ETABLOCn 50-200/154, Ser. No.- 9970820976/100/2,	No	2		
1.2.14	Pump: KSB, ETAR 200-50, Ser. No.- 9970910856/100/1, H- 57.5m, Q- 442.8 m3/h, 91.29kW,	No	2		
1.2.15	Pump Info Plate: Grundfos Alldos; DMX 67-10 B-PVC/V/G-X-E1B2B2E0; 96686040; S/N 0000001; 134.00 l/h; 10bar; 100Hz; 0.550kW; IP 65/F; 230/400V50/60Hz 440/480V 60Hz; 96686040P11115100000001	No	3		
1.2.16	Motor Info Plate: Siemens; D-91056 Erlangen; UD1110/72625395 - 1; 60/50 Hz; 0.55kW; Cos (theta) 0.89/86; 380- 420V star; 440-480V star; 32143 1818 45.10219-12; 3phase motor; 1LA7080-4AA92-ZN20; ThCl 155F 80M IP65 IM B14; 220-240V delta; 2,28- 2,32A; 1380/1680/Min; 1,32-1,33A; 60Hz 1,15A; Made in Czech Republic; 1700/min	No	3		
1.2.17	Pump: Alldos Primus Series,	No	4		
1.2.18	Motor: Siemens, 3ph, 0.09kW, 1LA7060-4AB99-ZX30	No	5		
1.2.19	Pump: KSB, ETA 100-400, 152 m3/h, H- 46m, 1475rpm, 27.61kW, Ser. No.- 9971940716/200/3,	No	2		
1.2.20	Motor: WEG W22, 37kW, 28ABR111011640331,	No	2		
1.2.21	Pump: KSB, ETA 100-400, 152 m3/h, H- 46m, 1475rpm, 27.61kW, Ser. No.- 9971940716/300/3,	No	2		
1.2.22	KSB; Purchasers item no. RAW WATER PUMP; Ser. No. 9970699366/100/3; Pump type- Omega 300-560; Capacity (cubic m/h)- 1375; Pumping Head- 86m; Speed (min-1)- 1480; Density (kg/dm3)- 1; Year 28/02/04; Imp. Dia.- 507mm; Power (kW)- 402.76	No	2		
1.2.23	ALSTOM; Cage Induction Motor; Contract No.- A006791/03; Size- 1LA1404; Stator Voltage- 400V; Insulation Class- F; Speed- 1480 RPM; Freq.- 3PH 50Hz; Motor Mass- 2600kg; Mounting- IM1001; Power Factor- 0.86; D.E. Bearing- NU222+6222C3; N.D.E. Bearing: NU222C3; Lubricant- B.P. Energrease L52; Relubricate- 80g every 8000 hours; Year of Manufacture- 2005; Spec. IEC 34; Output- 515kW; Stator	No	1		

	Current- 900A; Temp Rise- 80K; Ambient Air- 40deg Celsius; Altitude- 1260 m.a.s.l.; Duty Type -S1; Enclosure- IP55; Cooling- IC 411				
1.2.24	11/0.42 kV, 65.61/1718 A 1.25 MVA 3 phase distribution transformer	No	1		
1.2.25	12 kV, 25 kA switchgear	No	1		
		Total For Part 1 Carried Forward To Summary			

ITEM NO	DESCRIPTION	UNIT	QTY	RATE PER UNIT	AMOUNT (Excl.VAT)
	WORKS SCHEDULE				
	ASSET MAINTENANCE				
1.4	Repairs of Pumps & Motors (All items supplied should be SABS approved)				
1.4.1	Water Pump: KSB, ETA 65-200, 0.37kW, Ser. No.- 9971026324/100				
1.4.1.1	Impeler	per/Unit	1		
1.4.1.2	Shaft	per/Unit	1		
1.4.1.3	Bearings	per/Unit	1		
1.4.1.4	Shaft Seals	per/Unit	1		
1.4.1.5	Casing	per/Unit	1		
1.4.2	Water Pump Motor: WEG, 3ph, 0.55kW, GU99758				
1.4.2.1	Impeler	per/Unit	1		
1.4.2.2	Shaft	per/Unit	1		
1.4.2.3	Bearings	per/Unit	1		
1.4.2.4	Shaft Seals	per/Unit	1		
1.4.2.5	Casing	per/Unit	1		
1.4.3	Dozing Pump: ALLDOS Eichler, Ser. No.- 504484, 35l/h, 10 bar				
1.4.3.1	Impeler	per/Unit	1		
1.4.3.2	Shaft	per/Unit	1		
1.4.3.3	Bearings	per/Unit	1		
1.4.3.4	Shaft Seals	per/Unit	1		
1.4.3.5	Casing	per/Unit	1		
1.4.4	Dozing Pump Motor: Siemens, 3ph, 0.09kW, UD 0501/2168151- 5,				
1.4.4.1	Impeler	per/Unit	1		
1.4.4.2	Shaft	per/Unit	1		
1.4.4.3	Bearings	per/Unit	1		
1.4.4.4	Shaft Seals	per/Unit	1		
1.4.4.5	Casing	per/Unit	1		
1.4.5	Pump: KSB, WLn 300/2, Ser no.- 9971635036/200, Head- 214m, 1332 m3/h, Capacitor: 200 KVAR, 3300V,				
1.4.5.1	Impeler	per/Unit	1		
1.4.5.2	Shaft	per/Unit	1		
1.4.5.3	Bearings	per/Unit	1		
1.4.5.4	Shaft Seals	per/Unit	1		
1.4.5.5	Casing	per/Unit	1		
1.4.6	Motor: Alstom, 3,3kV, 223A, 1100 kW, UL400/125,				
1.4.6.1	1. Motor Windings	No.	1		
1.4.6.2	2. Motor Bearings ND and NDE	No.	1		
1.4.7	Motor: Alstom, Ser. No.- X104160/01/BB, 132kW				
1.4.7.1	1. Motor Windings	No.	1		
1.4.7.2	2. Motor Bearings ND and NDE	No.	1		
1.4.8	Pump: Type- ETA 150-50, Ser. No.- 9970720018/100/1, Q- 288 m3/h, H- 70m, 75.25kW,				
1.4.8.1	Impeler	per/Unit	1		
1.4.8.2	Shaft	per/Unit	1		
1.4.8.3	Bearings	per/Unit	1		
1.4.8.4	Shaft Seals	per/Unit	1		
1.4.8.5	Casing	per/Unit	1		
1.4.9	Pump: Type- ETA 300-35, Ser. No.- 9970720058/100/1, Q- 1019 m3/h, H- 10m, 33.45kW,				
1.4.9.1	Impeler	per/Unit	1		
1.4.9.2	Shaft	per/Unit	1		
1.4.9.3	Bearings	per/Unit	1		
1.4.9.4	Shaft Seals	per/Unit	1		
1.4.9.5	Casing	per/Unit	1		
1.4.10	Motor: Alstom, Ser. No.- X104160/02/BB, 132kW				
1.4.10.1	1. Motor Windings	No.	1		
1.4.10.2	2. Motor Bearings ND and NDE	No.	1		

1.4.11	Motor: Alstom, Ser. No.- X104150/01/BC, 45kW,				
1.4.11.1	1. Motor Windings	No.	1		
1.4.11.2	2. Motor Bearings ND and NDE	No.	1		
1.4.12	Pump: KSB, type- ETABLOCn 50-200/154, Ser. No.- 9970820976/100/2,				
1.4.12.1	Impeler	per/Unit	1		
1.4.12.2	Shaft	per/Unit	1		
1.4.12.3	Bearings	per/Unit	1		
1.4.12.4	Shaft Seals	per/Unit	1		
1.4.12.5	Casing	per/Unit	1		
1.4.13	Pump: KSB, ETAR 200-50, Ser. No.- 9970910856/100/1, H- 57.5m, Q- 442.8 m3/h, 91.29kW,				
1.4.13.1	Impeler	per/Unit	1		
1.4.13.2	Shaft	per/Unit	1		
1.4.13.3	Bearings	per/Unit	1		
1.4.13.4	Shaft Seals	per/Unit	1		
1.4.13.5	Casing	per/Unit	1		
1.4.14	Pump Info Plate: Grundfos Alldos; DMX 67-10 B-PVC/V/G-X-E1B2B2E0; 96686040; S/N 0000001; 134.00 l/h; 10bar; 100Hz; 0.550kW; IP 65/F; 230/400V50/60Hz 440/480V 60Hz; 96686040P11115100000001				
1.4.14.1	Impeler	per/Unit	1		
1.4.14.2	Shaft	per/Unit	1		
1.4.14.3	Bearings	per/Unit	1		
1.4.14.4	Shaft Seals	per/Unit	1		
1.4.14.5	Casing	per/Unit	1		
1.4.15	Motor Info Plate: Siemens; D-91056 Erlangen; UD1110/72625395 - 1; 60/50 Hz; 0.55kW; Cos (theta) 0.89/.86; 380-420V star; 440-480V star; 32143 1818 45.10219-12; 3phase motor; 1LA7080-4AA92-ZN20; ThCl 155F 80M IP65 IM B14; 220-240V delta; 2,28- 2,32A; 1380/1680/Min; 1,32-1,33A; 60Hz 1,15A; Made in Czech Republic; 1700/min				
1.4.15.1	1. Motor Windings	No.	1		
1.4.15.2	2. Motor Bearings ND and NDE	No.	1		
1.4.16	Pump: Alldos Primus Series,				
1.4.16.1	Impeler	per/Unit	1		
1.4.16.2	Shaft	per/Unit	1		
1.4.16.3	Bearings	per/Unit	1		
1.4.16.4	Shaft Seals	per/Unit	1		
1.4.16.5	Casing	per/Unit	1		
1.4.17	ALSTOM; Cage Induction Motor; Contract No.- A006791/03; Size- 1LA1404; Stator Voltage- 400V; Insulation Class- F; Speed- 1480 RPM; Freq.- 3PH 50Hz; Motor Mass- 2600kg; Mounting- IM1001; Power Factor- 0.86; D.E. Bearing- NU222+6222C3; N.D.E. Bearing: NU222C3; Lubricant- B.P. Energ grease L52; Relubricate- 80g every 8000 hours; Year of Manufacture- 2005; Spec. IEC 34; Output- 515kW; Stator Current- 900A; Temp Rise- 80K; Ambient Air- 40deg Celsius; Altitude- 1260 m.a.s.l.; Duty Type -S1; Enclosure- IP55; Cooling- IC 411				
1.4.17.1	1. Motor Windings	No.	1		
1.4.17.2	2. Motor Bearings ND and NDE	No.	1		
1.4.18	11/0.42 kV, 65.61/1718 A 1.25 MVA 3 phase distributing transformer				
1.4.18.1	1. Oil Service	No.	1		
1.4.19	12 kV, 25 kA switchgear				
1.4.19.1	1. Service	No.	1		
Total for Part 1 carried forward to summary					

PART 1: ROODEPLAAT WATER TREATMENT WORKS MAINTENANCE TEAM

ITEM DESCRIPTION		UNIT	QTY	RATE PER HOUR	AMOUNT (Excl.VAT)
NO					
1.5	MAINTENANCE				
1.5.1	Project Manager	Hour	1		
1.5.2	Maintenance Technician (electrical)	Hour	1		
1.5.3	Electrician	Hour	1		
1.5.4	Fitter and Turner	Hour	1		
1.5.5	Artisan	Hour	1		
1.5.6	Plant Operator	Hour	1		
1.5.7	Labourer	Hour	1		
1.5.8	Transport (Equipment)	KM	1		
Total for Part 1 carried forward to summary					

PART 2 : TEMBA WATER TREATMENT WORKS

ITEM		DESCRIPTION	UNIT	QTY	RATE PER UNIT	AMOUNT (Excl.VAT)
NO						
2		WORKS SCHEDULE				
2.2		ASSET MAINTENANCE				
2.2.1		Replace Pumps & Motors (All items supplied should be SABS approved)				
2.2.2		Blower: Universal RAI Blower, Ser. No.- 93 D 63530, Identification No.- 873-832-60, Base: Biwater	No.	3		
2.2.3		Blower ROBUSCHI, Type- RB50C, Ser. No.- K6784	No.	3		
2.2.4		Mixer: Mixtec, Order No.- 7034, Model- 1082, 1.5kW, 44rpm, Ser. No.- 1000/5079, Contract No.- C14641/02	No.	3		
2.2.5		Motor: Siemens, 30kW,	No.	3		
2.2.6		Motor: Alstom, 30kW,	No.	3		
2.2.7		Motor: WEG, 3ph Induction Motor, 15kW, 1460rpm, Mod-160L 793,	No.	2		
2.2.8		Motor: FENNER, 22kW, 2920rpm,	No.	3		
2.2.9		Motor: GEC ALSTHOM, 22kW, Ser. No.- X058640/01/TJ, 2940rpm,	No.	2		
2.2.10		Motor: Siemens, 22kW, 2940rpm, No.- BA303046,	No.	2		
2.2.11		Motor: ALSTOM, 30kW, Ser. No.- 0496360/13/AB, 1465rpm, Type- LS4207-4AHMAAAK,	No.	3		
2.2.12		Motor: WEG, 37kW, 980rpm,	No.	3		
2.2.13		Motor: KSB, 3ph, QU FA 71M2A-60, No.- DS 112555, 0.37kW,	No.	2		
2.2.14		Motor: WEG, 3ph, 2.2 kW,	No.	2		
2.2.15		Motor - Poly Dosing Pumps 3ph, 0.18kW	No.	4		
2.2.16		Motor - Poly Transfer Pump 3ph,018kW	No.	4		
2.2.17		Motor - Potassium Permanganate Pump WEG, 3ph, 0.18kW	No.	2		
2.2.18		Motor - Mixer Tank WEG ,3ph,025kW	No.	2		
2.2.19		Motor - Ferric Dosing Pump 3ph,0.18 Kw	No.	4		
2.2.20		Motor - High Lift Pump Motor: Alstom, 3ph, 350kW, 1470rpm, Contract No.- A006775, D.E. Bearing- NU219+6219 C3, N.D.E. Bearing- NU219 C3, Lubricant- BP Energrease LS2, 40g every 8000 hours,	No.	4		
2.2.21		Motor - High Lift Pump WEG, 3ph, 160kW, 300A, 1480rpm, D.E. Bearing- NU319C3, N.D.E. Bearing- 6316C3	No.	4		
2.2.22		Motor - Blower Model No.- TIR03-20, 3ph, 3kW, 1400rpm, D.E. and N.D.E. bearings- 5206ZZ,	No.	4		
2.2.23		Motor - Pump - Babelegi VEM, VDE 0530 I1/7.91 T3, No.- 35351/0001F, Type- K11R 280 S2, 75kW	No.	4		
2.2.24		Motor - Backwash Pumps Siemens, 3ph, Cage Induction Motor, Type- 1LA3 166-4YA41, Ser. No.- K4-110642, 15kW, 1469rpm, D.E. Bearing- 6309 C3-Z, N.D.E. Bearing- 6309 C3-Z	No.	4		
2.2.25		Motor - Blower EMM, 3ph, 5.5kW, 2860rpm, D.E. Bearing- 6208Z, N.D.E. Bearing- 6208Z, Grease- BP Energrease LS 3	No.	4		
2.2.26		Motor - Recycling Pump ALSTOM, Ser. No.- 416604/01/AJ, Type- LS4131-2AH-M, 3ph, 7.5kW	No.	4		
2.2.27		Type: LT200 HP4, CMG, Three Phase Asynchronous Motor, Type- 8LA 90L, 2.2kW	No.	2		
2.2.28		Motor - Clearwater Pump WEG, 3ph, AM89600, 30kW	No.	4		
2.2.29		Motor - Raw Water GEC, 75kW ,132 kw	No.	4		
2.2.30		Motor - Raw Water ALSTOM, 400kW,	No.	4		
2.2.31		Motor - Tower Pump WEG, 30kW, 3ph, 0198 AN23032,	No.	2		
2.2.32		Pump: KSB, 250-33	No.	4		
2.2.33		Pump: KSB,Type- ETA-D 300-35, Ser. No.- 39668-431/1, Impeller Dia.- 339/219mm, Q- 1026-338.4m3/H, 970-560rpm, H- 5.5- 3.0, 20.8-4.0kW, Year- 12-1993,	No.	4		

2.2.34	Pump: Grundfos, Model- B98054534P111320001, Head- 50m, 2968rpm, Q- 100m3/h,	No.	4		
2.2.35	Pump: KSB, Type- ETA 100-400, Year- 250304, Imp. Dia.- 384mm, Q- 136.8m3/h, 26.25kW, 1475rpm, H- 50m,	No.	4		
2.2.36	Pump: KSB, Type- KWP 0-200-400, Year- 03-1994, Ser. No.- 39669431/1, Impellar Dia.- 365mm, Q- 540 m3/h, H- 15m, 30.7kW, 975rpm,	No.	4		
2.2.37	Pump: KSB MOVICHROM, Type- M/CHROM G 3/3, Year- 06-94, Imp. Dia.- F/S, 0.23kW,	No.	4		
2.2.38	Lime Dosing Pump sew eurodrive 1.5kw se rno.71008120097/2/2	No.	4		
2.2.39	High Lift Pump KSB, Omega 250-600A, Q- 882 m3/H, Head- 91m, 1485rpm, 270kW, Ser. No.- 9970561919/100, Imp Dia- 520mm	No.	4		
2.2.40	Pump: GRUNGFOS, Model- 96794311P211130003, Q- 449.2 m3/h, Head- 20.5m, 1450rpm	No.	3		
2.2.41	Pump - Babelegi Orbit, Type- 200-300, 4stage, 3blade, Ser. No.- AX-163, Ref.- OC-7480	No.	3		
2.2.42	Raw Water Pump Harland SDC 125-150	No.	3		
2.2.43	Raw Water Pump Sulzer, SMN 302-500, 1480 l/m, 1375.2 m3/h,	No.	3		
2.2.44	Tower Pump Weir-Envirotech, Type- SDA 150-200, Ser. No.- U1732001, Imp. Dia.- 260mm,	No.	3		
2.2.45	MCC - Dosing Pumps Siemens, 3ph, 0.18kW	No.	4		
2.2.46	MCC - High Lift Pump Station MCC/ Panel	No.	4		
2.2.47	11/04 kV, 83.98/2199 A 1.6 MVA 3 phase transformer	No.	8		
2.2.48	Switch gear type K1, 12 KV, light impulse withstanding voltage 95. Normal current 630A	No.	4		
2.2.49	Switch gear type SBV 4 – 1250/25/S1, Voltage 11 kv Bursbar 1250 A	No.	8		
	11 kv Minisub	No.	6		
Total for Part 2 carried forward to summary					

Repair Pumps & Motors (All items supplied should be SABs approved)

PART 2 : TEMBA WATER TREATMENT WORKS

ITEM NO	DESCRIPTION	UNIT	QTY	RATE PER UNIT	AMOUNT (Excl.VAT)
2.4	Motor - High Lift Pump Motor: Alstom, 3ph, 350kW, 1470rpm, Contract No.- A006775, D.E. Bearing- NU219+6219 C3, N.D.E. Bearing- NU219 C3, Lubricant- BP Energrease LS2, 40g every 8000 hours,	No.	1		
2.4.1	1. Motor Windings	No.	1		
2.4.2	2. Motor Bearings ND and NDE	No.	1		
2.5	Motor - High Lift Pump WEG, 3ph, 160kW, 300A, 1480rpm, D.E. Bearing- NU319C3, N.D.E. Bearing- 6316C3	No.	1		
2.5.1	1. Motor Windings	No.	1		
2.5.2	2. Motor Bearings ND and NDE	No.	1		
2.6	Motor - Blower Model No.- TIR03-20, 3ph, 3kW, 1400rpm, D.E. and N.D.E. bearings- 5206ZZ,	No.	1		
2.6.1	1. Motor Windings	No.	1		
2.6.2	2. Motor Bearings ND and NDE	No.	1		
2.7	Motor - Pump - Babelegi VEM, VDE 0530 I1/7.91 T3, No.- 35351/0001F, Type- K11R 280 S2, 75kW	No.	1		
2.7.1	1. Motor Windings	No.	1		
2.7.2	2. Motor Bearings ND and NDE	No.	1		
2.8	Motor - Backwash Pumps Siemens, 3ph, Cage Induction Motor, Type- 1LA3 166-4YA41, Ser. No.- K4-110642, 15kW, 1469rpm, D.E. Bearing- 6309 C3-Z, N.D.E. Bearing- 6309 C3-Z	No.	1		
2.8.1	1. Motor Windings	No.	1		
2.8.2	2. Motor Bearings ND and NDE	No.	1		
2.9	Motor - Blower EMM, 3ph, 5.5kW, 2860rpm, D.E. Bearing- 6208Z, N.D.E. Bearing- 6208Z, Grease- BP Energrease LS 3	No.	1		
2.9.1	1. Motor Windings	No.	1		
2.9.2	2. Motor Bearings ND and NDE	No.	1		
2.10	Motor - Recycling Pump ALSTOM, Ser. No.- 416604/01/AJ, Type- LS4131-2AH-M, 3ph, 7.5kW	No.	1		
2.10.1	1. Motor Windings	No.	1		
2.10.2	2. Motor Bearings ND and NDE	No.	1		
2.11	Type: LT200 HP4, CMG, Three Phase Asynchronous Motor, Type- 8LA 90L, 2.2kW	No.	1		
2.11.1	1. Motor Windings	No.	1		
2.11.2	2. Motor Bearings ND and NDE	No.	1		
2.12	Motor - Clearwater Pump WEG, 3ph, AM89600, 30kW	No.	1		
2.12.1	1. Motor Windings	No.	1		
2.12.2	2. Motor Bearings ND and NDE	No.	1		
2.13	Motor - Raw Water GEC, 75kW ,132 kw	No.	1		
2.13.1	1. Motor Windings	No.	1		
2.13.2	2. Motor Bearings ND and NDE	No.	1		
2.14	Motor - Raw Water ALSTOM, 400kW,	No.	1		
2.14.1	1. Motor Windings	No.	1		
2.14.2	2. Motor Bearings ND and NDE	No.	1		
2.15	Motor - Tower Pump WEG, 30kW, 3ph, 0198 AN23032,	No.	1		
2.15.1	1. Motor Windings	No.	1		
2.15.2	2. Motor Bearings ND and NDE	No.	1		
2.16	Motor -WEG 22 W22 TOP Premium RPM 1480 (10275565002)	No.	1		

2.16.1	1. Motor Windings	No.	1		
2.16.2	2. Motor Bearings ND and NDE	No.	1		
2.16.3	3. Fan belt	No.	1		
2.17	Motor - Fremdlufter separator fan 132c 16321607 60 hz 40-58 w 1460 l/min schutzart IP66/protection	No.	1		
2.17.1	1. Motor Windings	No.	1		
2.17.2	2. Motor Bearings ND and NDE	No.	1		
2.18	Pump: KSB, 250-33	No.	1		
2.18.1	1. Impeller (ss 1.4008)	No.	1		
2.18.2	2. Shaft (chrome steel)	No.	1		
2.18.3	3. Shaft seal (packed glands -graphite/P.T.E)	No.	1		
2.19	Pump: KSB, Type- ETA-D 300-35, Ser. No.- 39668-431/1, Impeller Dia.- 339/219mm, Q- 1026-338.4m3/H, 970-560rpm, H- 5.5- 3.0, 20.8-4.0kW, Year- 12-1993,	No.	1		
2.19.1	1. Impeller (ss 1.4008)	No.	1		
2.19.2	2. Shaft (chrome steel)	No.	1		
2.19.3	3. Shaft seal (packed glands -graphite/P.T.E)	No.	1		
2.20	Pump: Grundfos, Model- B98054534P111320001, Head-50m, 2968rpm, Q- 100m3/h,	No.	1		
2.20.1	1. Impeller	No.	1		
2.20.2	2. Shaft (chrome steel)	No.	1		
2.20.3	3. Shaft seal	No.	1		
2.21	Pump: KSB, Type- ETA 100-400, Year- 250304, Imp. Dia.- 384mm, Q- 136.8m3/h, 26.25kW, 1475rpm, H- 50m,	No.	1		
2.21.1	1. Impeller (ss 1.4008)	No.	1		
2.21.2	2. Shaft (chrome steel)	No.	1		
2.21.3	3. Shaft seal (packed glands -graphite/P.T.E)	No.	1		
2.22	Pump: KSB, Type- KWP 0-200-400, Year- 03-1994, Ser. No.- 39669431/1, Impellar Dia.- 365mm, Q- 540 m3/h, H- 15m, 30.7kW, 975rpm,	No.	1		
2.22.1	1. Impeller (ss 1.4008)	No.	1		
2.22.2	2. Shaft (chrome steel)	No.	1		
2.22.3	3. Shaft seal (packed glands -graphite/P.T.E)	No.	1		
2.23	Pump: KSB MOVICHROM, Type- M/CHROM G 3/3, Year- 06-94, Imp. Dia.- F/S, 0.23kW,	No.	1		
2.23.1	1. Impeller (ss 1.4008)	No.	1		
2.23.2	2. Shaft (chrome steel)	No.	1		
2.23.3	3. Shaft seal (packed glands -graphite/P.T.E)	No.	1		
2.24	Lime Dosing Pump sew eurodrive 1.5kw se rno.71008120097/2/2	No.	1		
2.24.1	1. Rotor	No.	1		
2.24.2	2. Rollers	No.	1		
2.24.3	3. Hose	No.	1		
2.25	High Lift Pump KSB, Omega 250-600A, Q- 882 m3/H, Head- 91m, 1485rpm, 270kW, Ser. No.- 9970561919/100, Imp Dia- 520mm	No.	1		
2.25.1	1. Impeller (ss 1.4008)	No.	1		
2.25.2	2. Shaft (chrome steel)	No.	1		
2.25.3	3. Shaft seal (packed glands -graphite/P.T.E)	No.	1		
2.26	Pump: GRUNDFOS, Model- 96794311P211130003, Q- 449.2 m3/h, Head- 20.5m, 1450rpm	No.	1		
2.26.1	1. Impeller	No.	1		
2.26.2	2. Shaft (chrome steel)	No.	1		
2.26.3	3. Shaft seal	No.	1		
2.27	Pump - Babelegi Orbit, Type- 200-300, 4stage, 3blade, Ser. No.- AX-163, Ref.- OC-7480	No.	1		
2.27.1	1. Impeller	No.	1		
2.27.2	2. Shaft (chrome steel)	No.	1		
2.27.3	3. Shaft seal (packed glands -graphite/P.T.E)	No.	1		

2.28	Raw Water Pump Harland SDC 125-150	No.	1		
2.28.1	1. Impeller	No.	1		
2.28.2	2. Shaft (chrome steel)	No.	1		
2.28.3	3. Shaft seal (packed glands -graphite/P.T.E)	No.	1		
2.29	Raw Water Pump Sulzer, SMN 302-500, 1480 l/m, 1375.2 m3/h,	No.	1		
2.29.1	1. Impeller	No.	1		
2.29.2	2. Shaft (chrome steel)	No.	1		
2.29.3	3. Shaft seal (packed glands -graphite/P.T.E)	No.	1		
2.30	Tower Pump Weir-Envirotech, Type- SDA 150-200, Ser. No.- U1732001, Imp. Dia.- 260mm,	No.	1		
2.30.1	1. Impeller	No.	1		
2.30.2	2. Shaft (chrome steel)	No.	1		
2.30.3	3. Shaft seal (packed glands -graphite/P.T.E)	No.	1		
2.31	Screw pump	No.	1		
2.31.1	2. Shaft (chrome steel)	No.	1		
2.31.2	3. Shaft seal mechanical	No.	1		
2.32	MCC - Dosing Pumps Siemens, 3ph, 0.18kW	No.	1		
2.32.1	1. Diaphragm	No.	1		
2.33	KSB Submissible pump (Transfer)	No.	1		
2.33.1	1. Impeller	No.	1		
2.33.2	2. Shaft (chrome steel)	No.	1		
2.33.3	3. Shaft seal (packed glands -graphite/P.T.E)	No.	1		
2.34	KSB pump utility service pump station	No.	1		
2.34.1	1. Impeller	No.	1		
2.34.2	2. Shaft (chrome steel)	No.	1		
2.34.3	3. Shaft seal (packed glands -graphite/P.T.E)	No.	1		
2.35	Cornell pump model 4NHDH-F16, Serial 219999-.94 TB12110 , 381-GPM-10 FT Head	No.	1		
2.35.1	1. Impeller	No.	1		
2.35.2	2. Shaft (chrome steel)	No.	1		
2.35.3	3. Shaft seal (packed glands -graphite/P.T.E)	No.	1		
2.36	MCC - High Lift , Raw Water Pump and Station MCC/ Panel MCC - Transfer, Ozone, utility, GAC, sand filter, DAF and sedimentation and central.	No.	1		
2.36.1	1. Breaker	No.	1		
2.36.2	2. Contactor	No.	1		
2.36.3	3. Capacitor	No.	1		
2.36.4	3. Industrial Relay	No.	1		
2.36.5	4. Industrial Fuse	No.	1		
2.36.6	5. Lightning Arrestor	No.	1		
2.36.7	6. Power factor capacitor	No.	1		
2.36.8	7. Monitoring device (over or under voltage)	No.	1		
2.36.9	8. Electronic timer relay	No.	1		
2.37	11/04 kV, 83.98/2199 A 1.6 MVA 3 phase transformer	No.	1		
2.37.1	1. Oil Service	No.	1		
2.38	Switch gear type K1,12 KV, light impulse withstanding voltage 95. Normal current 630A	No.	1		
2.38.1	1. Oil Service	No.	1		
2.39	Switch gear type SBV 4 – 1250/25/S1, Voltage 11 kv Bursbar 1250 A	No.	1		
	11 kv Minisub	No.	1		
2.39.1	1. Service	No.	1		
2.40	Incomer 2 RMU (TAMCO)	No.	1		
2.40.1	1. Service gas acetylene	No.	1		
2.40.2	2. CT terminal block compartment	No.	1		
2.40.3	3. Raking breaker CT	No.	1		
Total for Part 2 carried forward to summary					

PART 2: TEMBA WATER TREATMENT WORKS MAINTENANCE TEAM

ITEM NO	DESCRIPTION	UNIT	QTY	RATE PER HOUR	AMOUNT (Excl.VAT)
2,4	MAINTENANCE				
2.4.1	Project Manager	Hour	1		
2.4.2	Maintenance Technician (electrical)	Hour	1		
2.4.3	Electrician	Hour	1		
2.4.4	Millwright	Hour	1		
2.4.5	Fitter	Hour	1		
2.4.7	Labourer	Hour	1		
2.4.8	Transport	R/KM	1		
Total for Part 2 carried forward to summary					

PART 3 : BRONKHORSTPRUIT WATER TREATMENT WORKS

ITEM NO	DESCRIPTION	UNIT	QTY	RATE PER UNIT	AMOUNT (Excl.VAT)
3	WORKS SCHEDULE				
3,2	ASSET MAINTENANCE				
3.2.1	Replace Pumps & Motors(All items supplied should be SABS approved)				
3.2.2	De Watering Pump: AFEC Pump, 0.75kW, 3ph, No 150980	No	2		
3.2.3	chlorinator: grundfos alldos 4kg/h vga-113 1000m	No	4		
3.2.4	Clear water high lift pump 1: Grunfoss, Type- CR20-14A-F-A-E-HQQE, Model- A96500517P10624, Ser No.- 0004, 15kW, Q- 21m3/h, Head- 165.4,	No	1		
3.2.5	Clear water high lift pump 2:Grunfoss, Type- CR20-14A-F-A-E-HQQE, Model- A96530797P10737, Ser No.- 0001, 15kW, Q- 21m3/h, Head- 165.4,	No	2		
3.2.6	Dosing pump:ALLDOS, 0.011kW, Ser. No.- 06/64725	No	2		
3.2.7	Clear water resevoir Pump: Normaflo, Model- M 50 250 44, Ser. No.- 6066,	No	2		
3.2.8	Motor-Motor clear water resevoir pump: WEG, 3ph, 4kW, No.- 06/02 BD85307	No	1		
3.2.9	Raw water Resevoir Pump1: Normaflo, Model- M 65 200 24, Ser. No.- 6068,	No	1		
3.2.10	Raw water resevoir pump1:Motor: WEG, 3ph, 2.2kW,	No	1		
3.2.11	Raw water Resevoir Pump2: Normaflo, Model- M 65 200 24, Ser. No.- 6067,	No	2		
3.2.12	Raw water resevoir pump2:Motor: WEG, 3ph, 2.2kW,	No	2		
3.2.13	Filtration bowler:FINDER Pompe, Type- Gruppo Blower 65/1 A, Ser. No.- 0102365/ 1	No	1		
3.2.14	Filtration bowler:Motor: DUTCHI NL, 3ph, No.- 1633813004, 5.5kW	No	2		
3.2.15	Mixer 1: WEG, 3ph, 0.37kW, 50Hz, No.- 04/02 FY32530	No	2		
3.2.16	Mixer 2WEG, 3ph, 0.37kW, 50Hz, No.- 04/02 FY32530	No	2		
3.2.17	Dosing pump1:Siemens, 0.09kW, Model No.- 1LA7060-4AB99-Z, Alldos Primus Series	No	2		
3.2.18	Dosing pump:Siemens, 0.09kW, Model No.- 1LA7060-4AB99-ZX30, Alldos Primus Series	No	2		
3.2.19	Dosing pump:Siemens, 0.09kW, Model No.- 1LA7060-4AB99-Z, Alldos Primus Series	No	2		
3.2.20	Dosing pump:Siemens, 0.09kW, Model No.- 1LA7060-4AB99-ZX30, Alldos Primus Series	No	2		
3.2.21	Dosing pump:Siemens, 0.09kW, Model No.- 1LA7060-4AB99-ZX30, Alldos Primus Series	No	2		
3.2.22	Raw water Pump 1: Orbit, 400mm, 5 blade, 6 stage, Axial Flow Pump, 50mm shaft	No	2		

3.2.23	Raw water pump1:Motor: WEG, 3ph Induction Motor, 250kW, Type- 355ML	No	2		
3.2.24	Raw water Pump2: Orbit, 400mm, 5 blade, 6 stage, Axial Flow Pump, 50mm Shaft	No	2		
3.2.25	Raw water pump Motor 2: Fenner, 3ph Induction Motor, 250kW, Ser. No. 10001 FBU	No	2		
3.2.26	Raw waterPump3: Orbit, 400mm, 5 blade, 6 stage, Axial Flow Pump, 50mm Shaft	No	2		
3.2.27	Raw water pump 3:Motor: WEG, 3ph Induction Motor, 250kW, Type- 355ML0495	No	2		
3.2.28	High lift pump1:MAKE: MATHER & PLATT MODEL: 8/10 GMT167M HEAD; 170L/SEC SERIAL NUMBER: 83039638	No	1		
3.2.29	High lift pump 2:MAKE: SULZER PUMP TYPE: GME 230/250 IMPELLOR DIAMETER: 570 SERIAL NUMBER: 650342	No	1		
3.2.30	High lift pump 3: MAKE: SULZER PUMP TYPE: GME 230/250 IMPELLOR DIAMETER: 570 SERIAL NUMBER: 650386 - 2007	No	1		
3.2.31	High lift pump 4: MAKE: SULZER PUMP TYPE: GME 230/250 IMPELLOR DIAMETER: 570 SERIAL NUMBER: 650386 - 2008	No	1		
3.2.32	High lift pump5:MAKE: SULZER (2005) TYPE: GME 200-250 SERIAL NUMBER: 650349	No	1		
3.2.33	Motor high lift pump1:MAKE: ELMAC/SIEMENS 3,3KV; 550KW 1485RPM SERIAL NUMBER: 0508082/02	No	1		
3.2.34	Motor high lift pump 2:MAKE: GEC TYPE: 3,3KV; 1479RPM; 550KW	No	1		
3.2.35	Motor high lift pump3:MAKE: ALSTOM 550KW; 3300VOLTS; 1485RPM	No	1		
3.2.36	Motor high lift pump 4:MAKE: GEC 3,3KV; 550KW; 1479RPM SERIAL NUMBER: ZLM3789/02	No	1		
3.2.37	Motor high lift pump5:MAKE: ALSTOM 550KW; 3300VOLTS; 1485RPM	No	1		
3.2.38	Recirculation pump1:MAKE: KSB ETA 80-40/2 1460RPM; 15,3KW IMPELLOR: FULL SIZE	No	1		
3.2.39	Recirculation pump1:MAKE: KSB ETA 80-40/2 1460RPM; 15,3KW IMPELLOR: FULL SIZE	No	1		
3.2.40	Recirculation pump1:MAKE: KSB ETA 80-40/2 1460RPM; 15,3KW IMPELLOR: FULL SIZE	No	1		
3.2.41	Recirculation pump1:MAKE: KSB ETA 80-40/2 1460RPM; 15,3KW IMPELLOR: FULL SIZE	No	1		
3.2.42	Recirculation pump1:MAKE: KSB ETA 80-40/2 1460RPM; 15,3KW IMPELLOR: FULL SIZE	No	1		
3.2.43	Recirculation pump1:MAKE: KSB ETA 80-40/2 1460RPM; 15,3KW IMPELLOR: FULL SIZE	No	1		
3.2.44	Motor recirculation pump1; MAKE: SIEMENS TYPE: 380VOLT; 18,5KW; 38,5AMP FRAME SIZE: 180M; 1460RPM	No	1		
3.2.45	Motor recirculation pump2; MAKE: SIEMENS TYPE: 380VOLT; 18,5KW; 38,5AMP FRAME SIZE: 180M; 1460RPM	No	1		
3.2.46	Motor recirculation pump3; MAKE: SIEMENS TYPE: 380VOLT; 18,5KW; 38,5AMP FRAME SIZE: 180M; 1460RPM	No	1		
3.2.47	Motor recirculation pump4; MAKE: SIEMENS TYPE: 380VOLT; 18,5KW; 38,5AMP FRAME SIZE: 180M; 1460RPM	No	1		
3.2.48	Motor recirculation pump5; MAKE: SIEMENS TYPE: 380VOLT; 18,5KW; 38,5AMP FRAME SIZE: 180M; 1460RPM	No	1		
3.2.49	Motor recirculation pump6; MAKE: SIEMENS TYPE: 380VOLT; 18,5KW; 38,5AMP FRAME SIZE: 180M; 1460RPM	No	1		
3.2.50	Filter1: Drive motor-SEW Eurodrive, 0.25kW, 1300rpm	No	1		

3.2.51	Drive gearbox filter 1: SEW Eurodrive, 0.25kW, Job no.- 7100 8110377, Type- S70 RF40, Speed- 1.13 rpm, Ratio- 1142	No	1		
3.2.52	Pump filter1:Flygt 3152.181-0760096 , 3phase, 50Hz, 8.8kW, delta 660/ star 380V, 11/19A, 960rpm	No	1		
3.2.53	Drive motor:Filter1: Drive motor-SEW Eurodrive, 0.25kW, 1300rpm	No	1		
3.2.54	Drive gearbox filter 1: SEW Eurodrive, 0.25kW, Job no.- 7100 8110377, Type- S70 RF40, Speed- 1.13 rpm, Ratio- 1142	No	1		
3.2.55	Pump:Flygt 3152.181-0760096 , 3phase, 50Hz, 8.8kW, delta 660/ star 380V, 11/19A, 960rpm	No	1		
3.2.56	SEW Eurodrive, Ser. No.- 71 01162403 01.0001-0002 11 00, Type RF77 DRS80M4, 1.1kW, Rpm- 1410, Ratio 23.37	No	1		
3.2.57	Ratio mixer1,filtration phase 1:Siemans, Ser. No.- JHK1201 3002803435, Type- ZF88-LA132M4, 7.5kW, Ratio- 10:85:1,	No	1		
3.2.58	Ratio mixer2,filtration phase 1:Siemans, Ser. No.- JHK1201 3002803435, Type- ZF88-LA132M4, 7.5kW, Ratio- 10:85:1,	No	1		
3.2.59	Flocc stirrer1:filtration phase 2:SEW Eurodrive, Ser. No.- 71 01162403 01.0001-0002 11 00, Type RF77 DRS80M4, 1.1kW, Rpm- 1410, Ratio 23.37	No	1		
3.2.60	Flocc stirrer 2:filtration phase1: SEW Eurodrive, Ser. No.- 71 01162403 01.0002-0002 11 00, Type RF77 DRS80M4, 1.1kW, Rpm- 1410, Ratio 23.37	No	1		
3.2.61	Flocc stirrer 3:filtration phase1: SEW Eurodrive, Ser. No.- 71 01162403 01.0002-0002 11 00, Type RF77 DRS80M4, 1.1kW, Rpm- 1410, Ratio 23.38	No	1		
3.2.62	Dosing pump1:Grundfoss, Type- DDA 30-4 AR-PVC/V/C-F-31I002FG, Model- A9772225710000147P11148	No	2		
3.2.63	Dosing pump2:Grundfoss, Type- DDA 30-4 AR-PVC/V/C-F-31I002FG, Model- A9772225710000147P11149	No	2		
3.2.64	Dosing pump3:Sieman 0.09kW Motor, 1ph, no pump info.	No	1		
3.2.65	Dosing pump4:Alldoss 0.06kW Motor, 1ph, no pump info	No	1		
3.2.66	Dosing pump5:Grundfoss, Type- DDA 30-4 AR-PVC/V/C-F-31I002FG, Model- A9772225710000147P11149	No	1		
3.2.67	Compressor:recirculation pump 1:MAKE: INGERSOL RAND TYPE: 2475SERIAL NUMBER: 01046352	No	1		
3.2.68	Compressor:recirculation pump 2:MAKE: INGERSOL RAND TYPE: 2475SERIAL NUMBER: 01046353	No	1		
3.2.69	Compressor:recirculation pump 3:MAKE: INGERSOL RAND TYPE: 2475SERIAL NUMBER: 01046354	No	1		
3.2.70	Compressor:recirculation pump 4:MAKE: INGERSOL RAND TYPE: 2475SERIAL NUMBER: 01046355	No	1		
3.2.71	Compressor:recirculation pump 5:MAKE: INGERSOL RAND TYPE: 2475SERIAL NUMBER: 01046356	No	1		
3.2.72	Compressor:recirculation pump 6:MAKE: SOLID AIR	No	1		
3.2.73	Motor:compressor recirculation pump 1:MAKE: WEG 4KW 1425RPM 400VOLTS	No	1		
3.2.74	Motor:compressor recirculation pump 2:MAKE: WEG 4KW 1425RPM 400VOLTS	No	1		
3.2.75	Motor:compressor recirculation pump 3:INGERSOL RAND 4KW 1455RPM 400RPM	No	1		
3.2.76	Motor:compressor recirculation pump 4:MAKE: WEG 4KW 1425RPM 400VOLTS	No	1		
3.2.77	Motor:compressor recirculation pump 5:MAKE: WEG 4KW 1425RPM 400VOLTS	No	1		
3.2.78	Motor:compressor recirculation pump 6:MAKE: INGERSOL RAND 5,5KW; 1445RPM; 9,1AMP	No	1		
3.2.79	Motor IFP CHLORINE PUMP 1:MAKE: GRUNDFOS TYPE: MG100LC2 - 28FTI30-DO	No	2		
3.2.80	Motor IFP CHLORINE PUMP 2:MAKE: GRUNDFOS TYPE: MG100LC2 - 28FTI30-DO	No	2		
3.2.81	Lime pump1:Pump: Bredel, SPX32, no.- 4950	No	1		
3.2.82	Lime pump1:Gearbox: SEW Eurodrive, Job no.- 71.01082614.01.0002-0003.08.00 , Type R67F, 43rpm, 32.27	No	1		

3.2.83	Lime pump 1:Motor: CMG Australia, Three Phase Asynchronous Motor, Type- SLA90-4, 1.5kW	No	1		
3.2.84	Lime pump2:Gearbox: Bredel, SPX32, no.- 4951	No	1		
3.2.85	Lime pump 2:Gearbox: SEW Eurodrive, Job no.- 71.01082614.01.0002-0003.08.00 , Type R67F, 43rpm, 32.27,	No	1		
3.2.86	Lime pump 2: Motor: CMG Australia, Three Phase Asynchronous Motor, Type- SLA90-4, 1.5kW	No	1		
3.2.87	Lime pump3: Pump: Bredel, SPX32, no.- 4968	No	1		
3.2.88	Lime pump3:Gearbox: SEW Eurodrive, Job no.- 71.01082614.01.0002-0003.08.00 , Type R67F, 43rpm, 32.27	No	1		
3.2.89	Lime pump 3:Motor: CMG Australia, Three Phase Asynchronous Motor, Type- SLA90-4, 1.5kW	No	1		
3.2.90	Lime dosing room:Motor: Ingersoll Rand, Asynchronous Motor, Type 112S1, No.- 661209, 4kW, 5.5HP, 2880rpm, Compressor: Ingersoll Rand, Mod. 49810849, Lot. 389656 0027, Cod. 62LW705CRO067	No	1		
3.2.91	Sludge Pump: Gorman-Rupp T-Series, Ser. No.- 1515709, Model No.- T3A3S-B /FM, Imp. Dia.- Standard,	No	1		
3.2.92	Sudge pump Motor: WEG W22, 3phase, 7.5kW,	No	2		
3.2.93	Sludge recirculation :Motor: WEG W22, 3phase, 7.5kW	No	2		
3.2.94	Sludge recirculation Pump: Gorman-Rupp T-Series, Ser. No.- 1515706, Model No.- T3A3S-B /FM, Imp. Dia.- StandardDN100 Delivery NRV: DN100	No	2		
3.2.95	Dewatering pump:SPERONI, Type SXG1000 08F030264, 1ph, 230V, 1.1kW, 2800rpm	No	2		
3.2.96	Sludge Pump: Gorman-Rupp T-Series, Ser. No.- 1515709, Model No.- T3A3S-B /FM, Imp. Dia.- Standard,	No	2		
3.2.97	Sludge pump Motor: WEG W22, 3phase, 7.5kW,	No	2		
3.2.98	Sludge recirculation Pump: Gorman-Rupp T-Series, Ser. No.- 1515706, Model No.- T3A3S-B /FM, Imp. Dia.- Standard,	No	2		
3.2.99	Sludge recirculation Motor: WEG W22, 3phase, 7.5kW,	No	2		
3.2.100	Dewatering pump:SPERONI, Type SXG1000 08F030264, 1ph, 230V, 1.1kW, 2800rpm	No	2		
3.2.101	Blower1: INGERSOLL-RAND, Model No.- 2475, Ser. No.- 01046352	No	1		
3.2.102	Motor1: to be verified on site	No	1		
3.2.103	Blower2: INGERSOLL-RAND, Model No.- 2475, Ser. No.- 01046352	No	1		
3.2.104	Motor2: WEG 3ph, 4kW, 1425rpm, N.190094N	No	1		
3.2.105	Blower3: INGERSOLL-RAND, Model No.- 2475, Ser. No.- 6020793	No	1		
3.2.106	Motor3: Ingersoll Rand, 3ph, 4kW, Ser. No.- 4000903	No	1		
3.2.107	Blower4: INGERSOLL-RAND, Model No.- 2475, Ser. No.- 6020793	No	1		
3.2.108	Motor4: WEG 3ph, 4kW, 1425rpm, N.190083N	No	1		
3.2.109	Blower5: INGERSOLL-RAND, Model No.- 2475, Ser. No.- 7019936	No	1		
3.2.110	Motor5: WEG 3ph, 4kW, 1425rpm, N.190095N	No	1		
3.2.111	Blower6: FINI Compressor Solid Air, Model- 623, Ser. No.- Unclear	No	1		
3.2.112	Motor6: Ingersoll Rand, 3ph, 4kW, Ser. No.- 3025726	No	1		
3.2.113	Motor: Bonfiglioli Riduttori, 3ph, 0.25kW, no. 504891, Reduction Gearbox: Bonfiglioli, Type- C112 FP71, 0.25kW, 60.3rpm, Ratio- 22.8, ISO 142993, Gearbox: Bonfiglioli, Type- W 110 U P90 B14, Ratio- 40	No	1		
3.2.114	Motor: Bonfiglioli Riduttori, 3ph, 0.25kW, no. 504847, Reduction Gearbox: Bonfiglioli, Type- C112 FP71, 0.25kW, 60.3rpm, Ratio- 22.8, ISO 142993, Gearbox: Bonfiglioli, Type- W 110 U P90 B14, Ratio- 40	No	1		
3.2.115	Motor: Bonfiglioli Riduttori, 3ph, 0.25kW, no. 504856, Reduction Gearbox: Bonfiglioli, Type- C112 FP71, 0.25kW,	No	1		

	60.3rpm, Ratio- 22.8, ISO 142993, Gearbox: Bonfiglioli, Type- W 110 U P90 B14, Ratio- 40				
3.2.116	Motor: Bonfiglioli Riduttori, 3ph, 0.25kW, no. 513335, Reduction Gearbox: Bonfiglioli, Type- C112 FP71, 0.25kW, 60.3rpm, Ratio- 22.8, ISO 142993, Gearbox: Bonfiglioli, Type- W 110 U P90 B14, Ratio- 40	No	1		
3.2.117	Motor: Bonfiglioli Riduttori, 3ph, 0.25kW, no. 513282, Reduction Gearbox: Bonfiglioli, Type- C112 FP71, 0.25kW, 60.3rpm, Ratio- 22.8, ISO 142993, Gearbox: Bonfiglioli, Type- W 110 U P90 B14, Ratio- 40	No	1		
3.2.118	Motor: Bonfiglioli Riduttori, 3ph, 0.25kW, no. 513329, Reduction Gearbox: Bonfiglioli, Type- C112 FP71, 0.25kW, 60.3rpm, Ratio- 22.8, ISO 142993, Gearbox: Bonfiglioli, Type- W 110 U P90 B14, Ratio- 40	No	1		
3.2.119	Pump Motor - Filter Bridge 2, to be verified on site	No	1		
3.2.120	Filter bridge 2 Pump: Gormann-Rupp, Ser. No.- 1056999, Model No.- T6A3-B, Imp. Dia.- STD,	No	1		
3.2.121	VSD 250 kW 380/480V	No	2		
3.2.122	250 kW, 400 V 3 phase induction motors	No	3		
3.2.123	11/042 kV 800 kVA transformer	No	1		
3.2.124	550 kW, 3 phase 400 V induction motors	No	5		
3.2.125	11/420 kV 630 kVA transformer	No	1		
Total for Part 3 carried forward to summary					

3 : BRONKHORSTSPRUIT WATER TREATMENT WORKS REPAIRS

Repair Pumps and Motors (All items supplied should be SABS approved)

ITEM NO	DESCRIPTION	UNIT	QTY	RATE PER UNIT	AMOUNT (Excl.VAT)
3.3	Borehole Pump 1 : 6"/4" 6090/06 15kw Borehole pump and motor				
3.3.1	Transport (To Sokhulum Village)	Km	1		
3.3.2	Impeler	per/Unit	1		
3.3.3	Bearings	per/Unit	1		
3.3.4	Shaft Seals	per/Unit	1		
3.3.5	Casing	per/Unit	1		
3.4	Borehole Pump 2 : 6"/4" 6090/06 15kw Borehole pump and motor				
3.4.1	Transport (To Sokhulum Village)	Km	1		
3.4.2	Impeler	per/Unit	1		
3.4.3	Bearings	per/Unit	1		
3.4.4	Shaft Seals	per/Unit	1		
3.4.5	Casing				
3.5	Borehole Pump 3 : 6"/4" 6090/06 15kw Borehole pump and motor				
3.5.1	Transport (To Sokhulum Village)	Km	1		
3.5.2	Impeler	per/Unit	1		
3.5.3	Bearings	per/Unit	1		
3.5.4	Shaft Seals	per/Unit	1		
3.5.5	Casing	per/Unit	1		
3.6	Borehole Pump 4 : 6"/4" 6090/06 15kw Borehole pump and motor				
3.6.1	Transport (To Sokhulum Village)	Km	1		
3.6.2	Impeler	per/Unit	1		
3.6.3	Bearings	per/Unit	1		
3.6.4	Shaft Seals	per/Unit	1		
3.6.5	Casing	per/Unit	1		
3.7	Borehole Pump 5 : 6"/4" 6090/06 15kw Borehole pump and motor				
3.7.1	Transport (To Sokhulum Village)	Km	1		
3.7.2	Impeler	per/Unit	1		
3.7.3	Bearings	per/Unit	1		
3.7.4	Shaft Seals	per/Unit	1		
3.8	Borehole Pump 6 : 6"/4" 6090/06 15kw Borehole pump and motor				
3.8.1	Transport (To Sokhulum Village)	Km	1		
3.8.2	Impeler	per/Unit	1		
3.8.3	Bearings	per/Unit	1		
3.8.4	Shaft Seals	per/Unit	1		
3.9	Borehole Pump 7 : 6"/4" 6090/06 15kw Borehole pump and motor				
3.9.1	Transport (To Sokhulum Village)	Km	1		
3.9.2	Impeler	per/Unit	1		
3.9.3	Bearings	per/Unit	1		
3.9.4	Shaft Seals	per/Unit	1		
3.10	Chlorine Dosing/Booster Pump: Make - Ebara, Type - PPA/A				
3.10.1	Transport (To Sokhulum Village)	Km	1		
3.10.2	Impeler	per/Unit	1		
3.10.3	Shaft	per/Unit	1		
3.10.4	Bearings	per/Unit	1		
3.10.5	Shaft Seals	per/Unit	1		
3.10.6	Casing	per/Unit	1		
3.11	De Watering Pump: AFEC Pump, 0.75kW, 3ph, No 150980				
3.11.1	Impeler	per/Unit	1		
3.11.2	Shaft	per/Unit	1		
3.11.3	Bearings	per/Unit	1		
3.11.4	Shaft Seals	per/Unit	1		
3.11.5	Casing	per/Unit	1		

3.12	Greasing Pump: ABM, 0.045kW				
3.12.1	Impeler	per/Unit	1		
3.12.2	Shaft	per/Unit	1		
3.12.3	Bearings	per/Unit	1		
3.12.4	Shaft Seals	per/Unit	1		
3.12.5	Casing	per/Unit	1		
3.13	Chlorinator: grundfos alldos 4kg/h vga-113 1000m				
3.13.1	Impeler	per/Unit	1		
3.13.2	Shaft	per/Unit	1		
3.13.3	Bearings	per/Unit	1		
3.13.4	Shaft Seals	per/Unit	1		
3.13.5	Casing	per/Unit	1		
3.14	Clear water High lift Pump 1: Grunfoss, Type- CR20-14A-F-A-E-HQQE, Model- A96500517P10624, Ser No.- 0004, 15kW, Q- 21m3/h, Head- 165.4,				
3.14.1	Impeler	per/Unit	1		
3.14.2	Shaft	per/Unit	1		
3.14.3	Bearings	per/Unit	1		
3.14.4	Shaft Seals	per/Unit	1		
3.14.5	Casing	per/Unit	1		
3.15	Clear water High lift Pump 2:Grunfoss, Type- CR20-14A-F-A-E-HQQE, Model- A96530797P10737, Ser No.- 0001, 15kW, Q- 21m3/h, Head- 165.4,				
3.15.1	Impeler	per/Unit	1		
3.15.2	Shaft	per/Unit	1		
3.15.3	Bearings	per/Unit	1		
3.15.4	Shaft Seals	per/Unit	1		
3.15.5	Casing	per/Unit	1		
3.16	Dosing pump:ALLDOS, 0.011kW, Ser. No.- 06/64725				
3.16.1	Impeler	per/Unit	1		
3.16.2	Shaft	per/Unit	1		
3.16.3	Bearings	per/Unit	1		
3.16.4	Shaft Seals	per/Unit	1		
3.16.5	Casing	per/Unit	1		
3.17	Clear water resevoir Pump: Normaflo, Model- M 50 250 44, Ser. No.- 6066,				
3.17.1	Impeler	per/Unit	1		
3.17.2	Shaft	per/Unit	1		
3.17.3	Bearings	per/Unit	1		
3.17.4	Shaft Seals	per/Unit	1		
3.17.5	Casing	per/Unit	1		
3.18	Clear water resevoir pump: WEG, 3ph, 4kW, No.- 06/02 BD85307				
3.18.1	Impeler	per/Unit	1		
3.18.2	Shaft	per/Unit	1		
3.18.3	Bearings (NDE)	per/Unit	1		
3.18.4	Bearings (DE)	per/Unit	1		
3.18.5	Shaft Seals	per/Unit	1		
3.18.6	Casing	per/Unit	1		
3.19	Raw water Reservior Pump1: Normaflo, Model- M 65 200 24, Ser. No.- 6068,				
3.19.1	Impeler	per/Unit	1		
3.19.2	Shaft	per/Unit	1		
3.19.3	Bearings	per/Unit	1		
3.19.4	Shaft Seals	per/Unit	1		
3.19.5	Casing	per/Unit	1		
3.20	Raw water Reservior Pump1:Motor: WEG, 3ph, 2.2kW,				
3.20.1	Impeler	per/Unit	1		
3.20.2	Shaft	per/Unit	1		
3.20.3	Bearings	per/Unit	1		
3.20.4	Shaft Seals	per/Unit	1		
3.20.5	Casing	per/Unit	1		
3.21	Raw water Reservior Pump2: Normaflo, Model- M 65 200 24, Ser. No.- 6067,				

3.21.1	Impeler	per/Unit	1		
3.21.2	Shaft	per/Unit	1		
3.21.3	Bearings	per/Unit	1		
3.21.4	Shaft Seals	per/Unit	1		
3.21.5	Casing	per/Unit	1		
3.22	Raw water Reservior Pump 2:Motor: WEG, 3ph, 2.2kW,				
3.22.1	Impeler	per/Unit	1		
3.22.2	Shaft	per/Unit	1		
3.22.3	Bearings	per/Unit	1		
3.22.4	Shaft Seals	per/Unit	1		
3.22.5	Casing	per/Unit	1		
3.23	Filtration bowler:FINDER Pompe, Type- Gruppo Blower 65/1 A, Ser. No.- 0102365/ 1				
3.23.1	Impeler	per/Unit	1		
3.23.2	Shaft	per/Unit	1		
3.23.3	Bearings	per/Unit	1		
3.23.4	Shaft Seals	per/Unit	1		
3.23.5	Casing	per/Unit	1		
3.24	Filtration bowler:Motor: DUTCHI NL, 3ph, No.- 1633813004, 5.5kW				
3.24.1	Impeler	per/Unit	1		
3.24.2	Shaft	per/Unit	1		
3.24.3	Bearings	per/Unit	1		
3.24.4	Shaft Seals	per/Unit	1		
3.24.5	Casing	per/Unit	1		
3.25	Mixer 1: WEG, 3ph, 0.37kW, 50Hz, No.- 04/02 FY32530				
3.25.1	Gear box	per/Unit	1		
3.25.2	Shaft	per/Unit	1		
3.25.3	Stirrer	per/Unit	1		
3.25.4	Bearings (NDE and DE)	per/Unit	1		
3.25.5	Shaft Seals	per/Unit	1		
3.25.6	Re-Winding	per/Unit	1		
3.25.7	Casing	per/Unit	1		
3.26	Mixer 2WEG, 3ph, 0.37kW, 50Hz, No.- 04/02 FY32530				
3.26.1	Gear box	per/Unit	1		
3.26.2	Shaft	per/Unit	1		
3.26.3	Stirrer	per/Unit	1		
3.26.4	Bearings	per/Unit	1		
3.26.5	Shaft Seals	per/Unit	1		
3.26.6	Re-Winding	per/Unit	1		
3.26.7	Casing	per/Unit	1		
3.27	Dosing pump1:Siemens, 0.09kW, Model No.- 1LA7060-4AB99-Z, Alldos Primus Series				
3.27.1	Impeler	per/Unit	1		
3.27.2	Shaft	per/Unit	1		
3.27.3	Bearings	per/Unit	1		
3.27.4	Shaft Seals	per/Unit	1		
3.27.5	Casing	per/Unit	1		
3.28	Dosing pump:Siemens, 0.09kW, Model No.- 1LA7060-4AB99-ZX30, Alldos Primus Series				
3.28.1	Impeler	per/Unit	1		
3.28.2	Shaft	per/Unit	1		
3.28.3	Bearings	per/Unit	1		
3.28.4	Shaft Seals	per/Unit	1		
3.28.5	Casing	per/Unit	1		
3.29	Dosing pump:Siemens, 0.09kW, Model No.- 1LA7060-4AB99-Z, Alldos Primus Series				
3.29.1	Impeler	per/Unit	1		
3.29.2	Shaft	per/Unit	1		
3.29.3	Bearings	per/Unit	1		
3.29.4	Shaft Seals	per/Unit	1		
3.29.5	Casing	per/Unit	1		
3.30	Dosing pump:Siemens, 0.09kW, Model No.- 1LA7060-4AB99-ZX30, Alldos Primus Series				

3.30.1	Impeler	per/Unit	1		
3.30.2	Shaft	per/Unit	1		
3.30.3	Bearings	per/Unit	1		
3.30.4	Shaft Seals	per/Unit	1		
3.30.5	Casing	per/Unit	1		
3.31	Raw water Pump 1: Orbit, 400mm, 5 blade, 6 stage, Axial Flow Pump, 50mm shaft				
3.31.1	Impeler	per/Unit	1		
3.31.2	Shaft	per/Unit	1		
3.31.3	Bearings	per/Unit	1		
3.31.4	Shaft Seals	per/Unit	1		
3.31.5	Casing	per/Unit	1		
3.32	Raw water pump1:Motor: WEG, 3ph Induction Motor, 250kW, Type- 355ML				
3.32.1	Rewinding	per/Unit	1		
3.32.2	Bearings (ND)	per/Unit	1		
3.32.3	Bearings (DE)	per/Unit	1		
3.32.4	Shaft Seals	per/Unit	1		
3.32.5	Casing	per/Unit	1		
3.33	Raw water Pump 2: Orbit, 400mm, 5 blade, 6 stage, Axial Flow Pump, 50mm Shaft				
3.33.1	Impeler	per/Unit	1		
3.33.2	Shafts	per/Unit	1		
3.33.3	Bearings	per/Unit	1		
3.33.4	Shaft Seals	per/Unit	1		
3.33.5	Casing	per/Unit	1		
3.34	Raw water Pump Motor 2: Fenner, 3ph Induction Motor, 250kW, Ser. No. 10001 FBU				
3.34.1	Rewinding	per/Unit	1		
3.34.2	Bearings (NDE)	per/Unit	1		
3.34.3	Bearings (DE)	per/Unit	1		
3.34.4	Shaft Seals	per/Unit	1		
3.34.5	Casing	per/Unit	1		
3.35	High lift Pump1:MAKE: MATHER & PLATT MODEL: 8/10 GMT167M HEAD; 170L/SEC SERIAL NUMBER: 83039638				
3.35.1	Impeler	per/Unit	1		
3.35.2	Shaft	per/Unit	1		
3.35.3	Bearings	per/Unit	1		
3.35.4	Shaft Seals	per/Unit	1		
3.35.5	Casing	per/Unit	1		
3.36	High lift Pump 2:MAKE: SULZER PUMP TYPE: GME 230/250 IMPELLOR DIAMETER: 570 SERIAL NUMBER: 650342				
3.36.1	Impeler	per/Unit	1		
3.36.2	Shaft	per/Unit	1		
3.36.3	Bearings	per/Unit	1		
3.36.4	Shaft Seals	per/Unit	1		
3.36.5	Casing	per/Unit	1		
3.37	High lift Pump 5:MAKE: SULZER (2005) TYPE: GME 200-250 SERIAL NUMBER: 650349				
3.37.1	Impeler	per/Unit	1		
3.37.2	Shaft	per/Unit	1		
3.37.3	Bearings	per/Unit	1		
3.37.4	Shaft Seals	per/Unit	1		
3.37.5	Casing	per/Unit	1		
3.38	Recirculation Pump 1:MAKE: KSB ETA 80-40/2 1460RPM; 15,3KW IMPELLOR: FULL SIZE				
3.38.1	Impeler	per/Unit	1		
3.38.2	Shaft	per/Unit	1		
3.38.3	Bearings	per/Unit	1		
3.38.4	Shaft Seals	per/Unit	1		
3.38.5	Casing	per/Unit	1		
3.39	Motor recirculation Pump; MAKE: SIEMENS TYPE: 380VOLT; 18,5KW; 38,5AMP FRAME SIZE: 180M; 1460RPM				
3.39.1	Impeler	per/Unit	1		
3.39.2	Shaft	per/Unit	1		
3.39.3	Bearings	per/Unit	1		

3.39.4	Shaft Seals	per/Unit	1		
3.39.5	Casing	per/Unit	1		
3.40	Filter 1,Phase 1: Drive motor-SEW Eurodrive, 0.25kW, 1300rpm				
3.40.1	Impeler	per/Unit	1		
3.40.2	Shaft	per/Unit	1		
3.40.3	Bearings	per/Unit	1		
3.40.4	Shaft Seals	per/Unit	1		
3.40.5	Casing	per/Unit	1		
3.41	Drive gearbox Filter 1,Phase 1: SEW Eurodrive, 0.25kW, Job no.- 7100 8110377, Type- S70 RF40, Speed- 1.13 rpm, Ratio- 1142				
3.41.1	Shaft	per/Unit	1		
3.41.2	Bearings	per/Unit	1		
3.41.3	Shaft Seals	per/Unit	1		
3.41.4	Casing	per/Unit	1		
3.42	Pump filter 1,Phase 1:Flygt 3152.181-0760096 , 3phase, 50Hz, 8.8kW, delta 660/ star 380V, 11/19A, 960rpm				
3.42.1	Impeler	per/Unit	1		
3.42.2	Shaft	per/Unit	1		
3.42.3	Bearings	per/Unit	1		
3.42.4	Shaft Seals	per/Unit	1		
3.42.5	Casing	per/Unit	1		
3.43	Drive motor:Filter 2,Phase 1: Drive motor-SEW Eurodrive, 0.25kW, 1300rpm				
3.43.1	Shaft	per/Unit	1		
3.43.2	Bearings (NDE)	per/Unit	1		
3.43.3	Bearings (DE)	per/Unit	1		
3.43.4	Shaft Seals	per/Unit	1		
3.43.5	Casing	per/Unit	1		
3.44	Drive Gearbox Filter 2, Phase 1 : SEW Eurodrive, 0.25kW, Job no.- 7100 8110377, Type- S70 RF40, Speed- 1.13 rpm, Ratio- 1142				
3.44.1	Shaft	per/Unit	1		
3.44.2	Bearings	per/Unit	1		
3.44.3	Shaft Seals	per/Unit	1		
3.44.4	Casing	per/Unit	1		
3.44.5	Casing	per/Unit	1		
3.45	Pump Filter,Phase 2 :Flygt 3152.181-0760096 , 3phase, 50Hz, 8.8kW, delta 660/ star 380V, 11/19A, 960rpm				
3.45.1	Impeler	per/Unit	1		
3.45.2	Shaft	per/Unit	1		
3.45.3	Bearings	per/Unit	1		
3.45.4	Shaft Seals	per/Unit	1		
3.45.5	Casing	per/Unit	1		
3.46	SEW Eurodrive Phase 2, Ser. No.- 71 01162403 01.0001-0002 11 00, Type RF77 DRS80M4, 1.1kW, Rpm- 1410, Ratio 23.37				
3.46.1	Shaft	per/Unit	1		
3.46.2	Bearings (NDE)	per/Unit	1		
3.46.3	Bearings (DE)	per/Unit	1		
3.46.4	Shaft Seals	per/Unit	1		
3.46.5	Casing	per/Unit	1		
3.47	Rapid mixer,filtration phase 1:Siemans, Ser. No.- JHK1201 3002803435, Type- ZF88-LA132M4, 7.5kW, Ratio- 10:85:1,				
3.47.1	Shaft	per/Unit	1		
3.47.2	Bearings (NDE)	per/Unit	1		
3.47.3	Bearings (DE)	per/Unit	1		
3.47.4	Shaft Seals	per/Unit	1		
3.47.5	Casing	per/Unit	1		

ITEM	DESCRIPTION	UNIT	QTY	RATE PER UNIT	AMOUNT (Excl.VAT)
NO					
3.48	Dosing Pump1:Grundfoss, Type- DDA 30-4 AR-PVC/V/C-F-31I002FG, Model- A9772225710000147P11148				
3.48.1	Impeler	per/Unit	1		
3.48.2	Shaft	per/Unit	1		
3.48.3	Bearings	per/Unit	1		
3.48.4	Shaft Seals	per/Unit	1		
3.48.5	Casing	per/Unit	1		
3.49	Dosing Pump:Sieman 0.09kW Motor, 1ph, no pump info.				
3.49.1	Impeler	per/Unit	1		
3.49.2	Shaft	per/Unit	1		
3.49.3	Bearings	per/Unit	1		
3.49.4	Shaft Seals	per/Unit	1		
3.49.5	Casing	per/Unit	1		
3.50	Dosing Pump:Alldoss 0.06kW Motor, 1ph, no pump info				
3.50.1	Impeler	per/Unit	1		
3.50.2	Shaft	per/Unit	1		
3.50.3	Bearings	per/Unit	1		
3.50.4	Shaft Seals	per/Unit	1		
3.50.5	Casing	per/Unit	1		
3.51	Compressor:recirculation Pump:MAKE: INGERSOL RAND TYPE: 2475SERIAL NUMBER: 01046351				
3.51.1	Piston	per/Unit	1		
3.51.2	Fanbelt	per/Unit	1		
3.51.3	Shaft Seals	per/Unit	1		
3.51.4	Casing	per/Unit	1		
3.52	Compressor:recirculation pump 6:MAKE: SOLID AIR				
3.52.1	Piston	per/Unit	1		
3.52.2	Fanbelt	per/Unit	1		
3.52.3	Shaft Seals	per/Unit	1		
3.52.4	Casing	per/Unit	1		
3.52	Motor:compressor recirculation pump:MAKE: WEG 4KW 1425RPM 400VOLTS				
3.52.1	Shaft	per/Unit	1		
3.52.2	Bearings (NDE)	per/Unit	1		
3.52.3	Bearings (DE)	per/Unit	1		
3.52.4	Shaft Seals	per/Unit	1		
3.52.5	Casing	per/Unit	1		
3.53	Motor:compressor recirculation pump 5:MAKE: WEG 4KW 1425RPM 400VOLTS				
3.53.1	Shaft	per/Unit	1		
3.53.2	Bearings (NDE)	per/Unit	1		
3.53.3	Bearings (DE)	per/Unit	1		
3.53.4	Shaft Seals	per/Unit	1		
3.53.5	Casing	per/Unit	1		
3.54	Motor IFP CHLORINE PUMP 1:MAKE: GRUNDFOS TYPE: MG100LC2 - 28FTI30-DO				
3.54.1	Shaft	per/Unit	1		
3.54.2	Bearings (NDE)	per/Unit	1		
3.54.3	Bearings (DE)	per/Unit	1		
3.54.4	Shaft Seals	per/Unit	1		
3.54.5	Casing	per/Unit	1		
3.55	Lime Pump1:Pump: Bredel, SPX32, no.- 4950				
3.55.1	Impeler	per/Unit	1		
3.55.2	Shaft	per/Unit	1		
3.55.3	Bearings	per/Unit	1		
3.55.4	Shaft Seals	per/Unit	1		
3.55.5	Casing	per/Unit	1		
3.56	Lime Pump1:Gearbox: SEW Eurodrive, Job no.- 71.01082614.01.0002-0003.08.00 , Type R67F, 43rpm, 32.27				
3.56.1	Gear Box	per/Unit	1		

3.56.2	Shaft	per/Unit	1		
3.56.3	Bearings	per/Unit	1		
3.56.4	Shaft Seals	per/Unit	1		
3.56.5	Casing	per/Unit	1		
3.57	Lime Pump 1:Motor: CMG Australia, Three Phase Asynchronous Motor, Type- SLA90-4, 1.5kW				
3.57.1	Bearings (NDE)	per/Unit	1		
3.57.2	Bearings (DE)	per/Unit	1		
3.57.3	Shaft Seals	per/Unit	1		
3.57.4	Casing	per/Unit	1		
3.58	Lime Pump 2:Gearbox: Bredel, SPX32, no.- 4951				
3.58.1	Gear Box	per/Unit	1		
3.58.2	Shaft	per/Unit	1		
3.58.3	Bearings	per/Unit	1		
3.58.4	Shaft Seals	per/Unit	1		
3.58.5	Casing	per/Unit	1		
3.59	Lime Pump 2:Gearbox: SEW Eurodrive, Job no.- 71.01082614.01.0002-0003.08.00 , Type R67F, 43rpm, 32.27,				
3.59.1	Gear Box	per/Unit	1		
3.59.2	Shaft	per/Unit	1		
3.59.3	Bearings	per/Unit	1		
3.59.4	Shaft Seals	per/Unit	1		
3.59.5	Casing	per/Unit	1		
3.60	Lime dosing room:Motor: Ingersoll Rand, Asynchronous Motor, Type 112S1, No.- 661209, 4kW, 5.5HP, 2880rpm, Compressor: Ingersoll Rand, Mod. 49810849, Lot. 389656 0027, Cod. 62LW705CRO067				
3.60.1	Shaft	per/Unit	1		
3.60.2	Bearings (NDE)	per/Unit	1		
3.60.3	Bearings (DE)	per/Unit	1		
3.60.4	Shaft Seals	per/Unit	1		
3.60.5	Casing	per/Unit	1		
3.61	Sludge Pump: Gorman-Rupp T-Series, Ser. No.- 1515709, Model No.- T3A3S-B /FM, Imp. Dia.- Standard,				
3.61.1	Impeler	per/Unit	1		
3.61.2	Shaft	per/Unit	1		
3.61.3	Bearings	per/Unit	1		
3.61.4	Shaft Seals	per/Unit	1		
3.61.5	Casing	per/Unit	1		
3.62	Sudge pump Motor: WEG W22, 3phase, 7.5kW,				
3.62.1	Shaft	per/Unit	1		
3.62.2	Bearings (NDE)	per/Unit	1		
3.62.3	Bearings (DE)	per/Unit	1		
3.62.4	Shaft Seals	per/Unit	1		
3.62.5	Casing	per/Unit	1		
3.63	Sludge recirculation Pump: Gorman-Rupp T-Series, Ser. No.- 1515706, Model No.- T3A3S-B /FM, Imp. Dia.- StandardDN100 Delivery NRV: DN100				
3.63.1	Impeler	per/Unit	1		
3.63.2	Shaft	per/Unit	1		
3.63.3	Bearings	per/Unit	1		
3.63.4	Shaft Seals	per/Unit	1		
3.63.5	Casing	per/Unit	1		
3.64	Dewatering pump:SPERONI, Type SXG1000 08F030264, 1ph, 230V, 1.1kW, 2800rpm				
3.64.1	Impeler	per/Unit	1		
3.64.2	Shaft	per/Unit	1		
3.64.3	Bearings	per/Unit	1		
3.64.4	Shaft Seals	per/Unit	1		
3.64.5	Casing	per/Unit	1		
3.65	Sludge Pump: Gorman-Rupp T-Series, Ser. No.- 1515709, Model No.- T3A3S-B /FM, Imp. Dia.- Standard,				
3.65.1	Impeler	per/Unit	1		
3.65.2	Shaft	per/Unit	1		
3.65.3	Bearings	per/Unit	1		
3.65.4	Shaft Seals	per/Unit	1		

3.65.5	Casing	per/Unit	1		
3.66	Blower 1: INGERSOLL-RAND, Model No.- 2475, Ser. No.- 01046352				
3.66.1	Piston	Km	1		
3.66.2	Fanbelt	per/Unit	1		
3.66.3	Shaft Seals	per/Unit	1		
3.66.4	Casing	per/Unit	1		
3.67	Motor 2: WEG 3ph, 4kW, 1425rpm, N.190094N				
3.67.1	Shaft	per/Unit	1		
3.67.2	Bearings (NDE)	per/Unit	1		
3.67.3	Bearings (DE)	per/Unit	1		
3.67.4	Shaft Seals	per/Unit	1		
3.67.5	Casing	per/Unit	1		
3.68	Blower 6: FINI Compressor Solid Air, Model- 623, Ser. No.- Unclear				
3.68.1	Piston	Km	1		
3.68.2	Fanbelt	per/Unit	1		
3.68.3	Shaft Seals	per/Unit	1		
3.68.4	Casing	per/Unit	1		
3.68.5	Shaft Seals	per/Unit	1		
3.68.6	Casing	per/Unit	1		
3.69	Pump: KSB, ETA 50-200, 53490-431/2, 0.8kW, H- 10.5m, Q- 17m3/h, 1410rpm,				
3.69.1	Impeler	per/Unit	1		
3.69.2	Shaft	per/Unit	1		
3.69.3	Bearings	per/Unit	1		
3.69.4	Shaft Seals	per/Unit	1		
3.69.5	Casing	per/Unit	1		
3.70	Motor 6: Ingersoll Rand, 3ph, 4kW, Ser. No.- 3025726				
3.70.1	Impeler	per/Unit	1		
3.70.2	Shaft	per/Unit	1		
3.70.3	Bearings	per/Unit	1		
3.70.4	Shaft Seals	per/Unit	1		
3.70.5	Casing	per/Unit	1		
3.71	Motor: Bonfiglioli Riduttori, 3ph, 0.25kW, no. 504891, Reduction Gearbox: Bonfiglioli, Type- C112 FP71, 0.25kW, 60.3rpm, Ratio- 22.8, ISO 142993, Gearbox: Bonfiglioli, Type- W 110 U P90 B14, Ratio- 40				
3.71.1	Shaft	per/Unit	1		
3.71.2	Bearings (NDE)	per/Unit	1		
3.71.3	Bearings (DE)	per/Unit	1		
3.71.4	Shaft Seals	per/Unit	1		
3.71.5	Casing	per/Unit	1		
3.72	Filter bridge 2 Pump: Gormann-Rupp, Ser. No.- 1056999, Model No.- T6A3-B, Imp. Dia.- STD,				
3.72.1	Impeler	per/Unit	1		
3.72.2	Shaft	per/Unit	1		
3.72.3	Bearings	per/Unit	1		
3.72.4	Shaft Seals	per/Unit	1		
3.72.5	Casing	per/Unit	1		
3.73	VSD 250 kW 380/480V				
3.73.1	Electrical cables and associated equipment	per/Unit	1		
3.74	250 kW, 400 V 3 phase induction motors				
3.74.1	Shaft	per/Unit	1		
3.74.2	Bearings (NDE)	per/Unit	1		
3.74.3	Bearings (DE)	per/Unit	1		
3.74.4	Shaft Seals	per/Unit	1		
3.74.5	Casing	per/Unit	1		
3.75	11/042 kV 800 kVA transformer				
3.75.1	Electrical cables and associated equipment	per/Unit	1		
3.75.2	Rewinding				
3.75.3	Casing	per/Unit	1		
3.76	550 kW, 3 phase 400 V induction motors				
3.76.1	Shaft	per/Unit	1		

3.76.2	Bearings (NDE)	per/Unit	1		
3.76.3	Bearings (DE)	per/Unit	1		
3.76.4	Shaft Seals	per/Unit	1		
3.76.5	Casing	per/Unit	1		
3.77	11/420 kV 630 kVA transformer				
3.77.1	Electrical cables and associated equipment	per/Unit	1		
3.77.2	Rewinding	per/Unit	1		
3.77.3	Casing	per/Unit	1		
SOKHULUMI BOREHOLE SUPPLY					
3.78	Borehole Pump 1: VANSAN,TYPE VSP SS06010,SN181020684,POWER 505 Kw ,MOTOR 7,5 Kw MODEL2366129039				
3.78.1	Impeler	per/Unit	1		
3.78.2	Shaft	per/Unit	1		
3.78.3	Bearings	per/Unit	1		
3.78.4	Shaft Seals	per/Unit	1		
3.78.5	Casing	per/Unit	1		
3.79	Chlorine dosing Pump 1, GRUNDFOS-103-500/3-B-0-O,BOX 96679938				
3.79.1	Impeler	per/Unit	1		
3.79.2	Shaft	per/Unit	1		
3.79.3	Bearings	per/Unit	1		
3.79.4	Shaft Seals	per/Unit	1		
3.79.5	Casing	per/Unit	1		
3.80	Chlorine Booster Pump 1: Make - UL Clasified,ANSI/NSF61				
3.80.1	Impeler	per/Unit	1		
3.80.2	Shaft	per/Unit	1		
3.80.3	Bearings	per/Unit	1		
3.80.4	Shaft Seals	per/Unit	1		
3.80.5	Casing	per/Unit	1		
3.81	B/H 2 Panel 11 Kw,400V SUPRA-SP11				
3.81.1	Impeler	per/Unit	1		
3.81.2	Shaft	per/Unit	1		
3.81.3	Bearings	per/Unit	1		
3.81.4	Shaft Seals	per/Unit	1		
3.81.5	Casing	per/Unit	1		
BRONKHORSTSBAAI WATER TREATMENT WORKS					
3.82	Raw Water Pump :VANSAN,TYPE VSP SS06010,SN181020684,POWER 505 Kw ,MOTOR 7,5 Kw MODEL2366129039				
3.82.1	Impeler	per/Unit	1		
3.82.2	Shaft	per/Unit	1		
3.82.3	Bearings	per/Unit	1		
3.82.4	Shaft Seals	per/Unit	1		
3.82.5	Casing	per/Unit	1		
3.83	High Lift Pump 1,GRUNDFOS,Model-PN-SNA-96500517-10000201,TYPE CR20-14A-F-A-E-HQQE,KW 15				
3.83.1	Impeler	per/Unit	1		
3.83.2	Shaft	per/Unit	1		
3.83.3	Bearings	per/Unit	1		
3.83.4	Shaft Seals	per/Unit	1		
3.83.5	Casing	per/Unit	1		
3.84	High Lift Motor 1,GRUNDFOS ,MOT60MD2-42FF300-H3,15kw				
3.84.1	Shaft	per/Unit	1		
3.84.2	Bearings	per/Unit	1		
3.84.3	Shaft Seals	per/Unit	1		
3.84.4	Casing	per/Unit	1		
3.85	Backwash Pump 1,Cyclone Industries,Type EURO STREAM 65/20,S/N 1909041				
3.85.1	Impeler	per/Unit	1		
3.85.2	Shaft	per/Unit	1		
3.85.3	Bearings	per/Unit	1		

3.85.4	Shaft Seals	per/Unit	1		
3.85.5	Casing	per/Unit	1		
3.86	Backwash Motor 1,Electromate,Type:HM1T 100L1-4 B35, 2,2 Kw 2,2,P, NO P0100517				
3.86.1	Shaft	per/Unit	1		
3.86.2	Bearings (NDE)	per/Unit	1		
3.86.3	Bearings (DE)	per/Unit	1		
3.86.4	Shaft Seals	per/Unit	1		
3.86.5	Casing	per/Unit	1		
3.87	Chlorine Doser,GRUNDFOS-VGA-1131000/M0,N,S/N 00000017,4Kg/hr				
3.87.1	Impeler	per/Unit	1		
3.87.2	Shaft	per/Unit	1		
3.87.3	Bearings	per/Unit	1		
3.87.4	Shaft Seals	per/Unit	1		
3.87.5	Casing	per/Unit	1		
	SUMMERPLACE WATER TREATMENT WORKS				
3.88	Recirculation,BRAYBAR PUMPS,EUROSTREAM 50/26,IMPELLER 250 mm,S/N GR1908012				
3.88.1	Impeler	per/Unit	1		
3.88.2	Shaft	per/Unit	1		
3.88.3	Bearings	per/Unit	1		
3.88.4	Shaft Seals	per/Unit	1		
3.88.5	Casing	per/Unit	1		
3.89	Recirculation,MOTOR,ELECTROMATE,4Kw,TYPE HMIT112M-4 B35				
3.89.1	Shaft	per/Unit	1		
3.89.2	Bearings (NDE)	per/Unit	1		
3.89.3	Bearings (DE)	per/Unit	1		
3.89.4	Shaft Seals	per/Unit	1		
3.89.5	Casing	per/Unit	1		
3.90	Raw Water MOTOR 1,ELECTROMATE,2,2Kw,TYPE HMIT112M-4 B36				
3.90.1	Shaft	per/Unit	1		
3.90.2	Bearings (NDE)	per/Unit	1		
3.90.3	Bearings (DE)	per/Unit	1		
3.90.4	Shaft Seals	per/Unit	1		
3.90.5	Casing	per/Unit	1		
3.91	Chlorine Booster Pump : Make - GUNFOS,SN:10/384644,4 Kg/hr				
3.91.1	Impeler	per/Unit	1		
3.91.2	Shaft	per/Unit	1		
3.91.3	Bearings	per/Unit	1		
3.91.4	Shaft Seals	per/Unit	1		
3.91.5	Casing	per/Unit	1		
3.92	Pump: KSB ETA 250/50, Impeller Size 509, SER NO: 9972210952				
3.92.1	Impeler	per/Unit	1		
3.92.2	Shaft	per/Unit	1		
3.92.3	Bearings	per/Unit	1		
3.92.4	Shaft Seals	per/Unit	1		
3.92.5	Casing	per/Unit	1		
3.93	Chemcal Doser,SIEMENS,NoUD0027910-0020-0048, 0,09 KW				
3.93.1	Impeler	per/Unit	1		
3.93.2	Shaft	per/Unit	1		
3.93.3	Bearings	per/Unit	1		
3.93.4	Shaft Seals	per/Unit	1		
3.93.5	Casing	per/Unit	1		
	Total for Part 3 carried forward to summary				

PART 3: BRONKHORSTPRUIT WATER TREATMENT WORKS MAINTENANCE TEAM					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Excl.VAT)
3.94	MAINTENANCE				
3.94.1	Project Manager	Hour	1		
3.94.2	Maintenance Technician (electrical)	Hour	1		
3.94.3	Electrician	Hour	1		
3.94.4	Millwright	Hour	1		
3.94.5	Fitter	Hour	1		
3.94.6	Artisan	Hour	1		
3.94.7	Plant Operator	Hour	1		
3.94.8	Labourer	Hour	1		
3.94.9	Transport	KM	1		
Total for Part 3 carried forward to summary					

PART 4 : RIETVLEI WATER TREATMENT WORKS

ITEM NO	DESCRIPTION	UNIT	QTY	RATE PER UNIT	AMOUNT (Excl.VAT)
4	WORKS SCHEDULE				
4.1	ASSET MAINTENANCE				
4.2.1	Replace Pumps and Motors(All items supplied should be SABS approved)				
4.2.2	Borehole Pump: 6"/4" 6090/06 22kw Borehole pump and motor	No	2		
4.2.3	Borehole Pump: 3.5kw 700 KPA	No	2		
4.1.4	Chlorine Booster Pump: Make - Ebara, Type - PPA/A	No	4		
4.2.5	Screw Pump: Sumitomo Cyclo Europe, Type- CHHS-6225-29, i- 29,	No	2		
4.2.6	75.3kW, n1- 1450 1/m, Ser. No.- C2G93010,	No	2		
4.2.7	Motor: Siemens, 37kW, 3Phase, 1475rpm, Ttype- LA6220-4AA-AAAA,	No	3		
4.2.8	Greasing Pump: ABM, 0.045kW	No	2		
4.2.9	Fountains Pump: Make - Nomarflow, Type - ME100 250,	No	2		
4.2.10	Serial Number - 25129	No	4		
4.2.11	Motor : Alstom, Type - 75KE, 2970rpm	No	4		
4.2.12	Chlorine Booster Pump: Make - Grundfos	No	4		
4.2.13	Pump: KSB, ETA 50-200, 53490-431/2, 0.8kW, H- 10.5m, Q- 17m3/h, 1410rpm,	No	3		
4.2.14	Pump: KSB, ETA 150-200, 53680-431/1, 10.2kW, H- 7m, Q- 407m3/h, 1450rpm,	No	3		
4.2.15	Motor: Siemens, 15 kW, Type- LA6166-4AA1AAAA, Ser. No.- 0401380/19/1L	No	3		
4.2.16	Airgas Compressors. No more info	No	3		
4.2.17	Compressor: Atlas Copco, GA11FF, 11kW	No	3		
4.2.18	Pump: Sulzer, SP 25-25,	No	4		
4.2.19	Motor: GEC, 22kW, No- D5139/1 JI,	No	4		
4.2.20	Pump: Sulzer, AZ-100-400,	No	4		
4.2.21	Motor: GEC, 75kW, No- GRD2478/1 JF,	No	4		
4.2.22	Motor: BMM, 75kW,	No	4		
4.2.23	Blower: Robuschi, RVT 70, Ser. No.-C6080, 11kW WEG motor,	No	2		
4.2.24	Tonoe Valve DN 150	No	3		
4.2.25	Compressor: Atlas Copco, GA7FF, 7.5kW, Ser. No.- CAI715010	No	3		
4.2.26	Pump: KSB ETA 250/50, FULL SIZE IMPELLER, SER NO: 51117 - 431/1	No	3		
4.2.27	Motor: WEG 355M/L, 300KW 1490RPM, 380VOLT	No	3		
4.2.28	Pump: KSB ETA 250/50, Impeller Size 509, SER NO: 9972210952	No	3		
4.2.29	Pump Sulzer: Type: HPL42/22,5 - 3 STAGE, SER NO: 651356(2012)	No	3		
4.2.30	Impeller Size - 420	No	3		
4.2.31	Motor: WEG: 275KW; 380VOLTS; 1490RPM	No	3		
4.2.32	Motor: Gec - 275KW; 1486RPM; 380VOLTS	No	3		
4.2.33	Motor: WEG - 275 KW; 1486 RPM; 380 VOLTS	No	3		
4.2.34	Pump: Howden Split Casing	No	2		
4.2.35	Motor: Alstom - 160KW; 290AMPS; 380VOLTS, Star Delta	No	2		
4.2.36	Dosing Pump: Grundfos Alldos PPE	No	4		
Total For PART 4 Carried Forward To Summary					

PART 4		Repair Pumps and Motors(All items supplied should be SABs approved)			
ITEM	DESCRIPTION	UNIT	QTY	RATE PER UNIT	AMOUNT (Excl.VAT)
NO					
4.3	Borehole Pump: 6"/4" 6090/06 22kw Borehole pump and motor				
4.3.1	Impeler	No	1		
4.3.2	Shaft	No	1		
4.3.3	Bearings	No	1		
4.3.4	Shaft Seals	No	1		
4.3.5	Casing	No	1		
4.4	Borehole Pump: 3.5kw 700 KPA	No	1		
4.4.1	Impeler	No	1	-	
4.4.2	Shaft	No	1		
4.4.3	Bearings	No	1		
4.4.4	Shaft Seals	No	1		
4.4.5	Casing	No	1		
4.5.	Chlorine Booster Pump: Make - Ebara, Type - PPA/A	No	1		
4.5.1	Impeler	No	1		
4.5.2	Shaft	No	1		
4.5.3	Bearings	No	1		
4.5.4	Shaft Seals	No	1		
4.5.5	Casing	No	1		
4.6	Screw Pump: Sumitomo Cyclo Europe, Type- CHHS-6225-29, i- 29,	No	1		
4.6.1	Impeler	No	1		
4.6.2	Shaft	No	1		
4.6.3	Bearings	No	1		
4.6.4	Shaft Seals	No	1		
4.6.5	Casing	No	1		
4.7	Greasing Pump: ABM, 0.045kW	No	1		
4.7.1	Impeler	No	1		
4.7.2	Shaft	No	1		
4.7.3	Bearings	No	1		
4.7.4	Shaft Seals	No	1		
4.7.5	Casing	No	1		
4.8	Fountains Pump: Make - Nomarflow, Type - ME100 250,	No	1		
4.8.1	Impeler	No	1		
4.8.2	Shaft	No	1		
4.8.3	Bearings	No	1		
4.8.4	Shaft Seals	No	1		
4.8.5	Casing	No	1		
4.9	Chlorine Booster Pump: Make - Grundfos	No	1		
4.9.1	Impeler	No	1		
4.9.2	Shaft	No	1		
4.9.3	Bearings	No	1		
4.9.4	Shaft Seals	No	1		
4.9.5	Casing	No	1		
4.10	Pump: KSB, ETA 50-200, 53490-431/2, 0.8kW, H- 10.5m, Q-17m3/h, 1410rpm,	No	1		
4.10.1	Impeler	No	1		
4.10.2	Shaft	No	1		
4.10.3	Bearings	No	1		
4.10.4	Shaft Seals	No	1		
4.10.5	Casing	No	1		
4.11	Pump: KSB, ETA 150-200, 53680-431/1, 10.2kW, H- 7m, Q-407m3/h, 1450rpm,	No	1		
4.11.1	Impeler	No	1		

4.11.2	Shaft	No	1		
4.11.3	Bearings	No	1		
4.11.4	Shaft Seals	No	1		
4.11.5	Casing	No	1		
4.12	Pump: Sulzer, SP 25-25,	No	1		
4.12.1	Impeler	No	1		
4.12.2	Shaft	No	1		
4.12.3	Bearings	No	1		
4.12.4	Shaft Seals	No	1		
4.12.5	Casing	No	1		
4.13	Pump: Sulzer, AZ-100-400,	No	1		
4.13.1	Impeler	No	1		
4.13.2	Shaft	No	1		
4.13.3	Bearings	No	1		
4.13.4	Shaft Seals	No	1		
4.13.5	Casing	No	1		
4.14	Pump: KSB ETA 250/50, FULL SIZE IMPELLER, SER NO: 51117 - 431/1	No	1		
4.14.1	Impeler	No	1		
4.14.2	Shaft	No	1		
4.14.3	Bearings	No	1		
4.14.4	Shaft Seals	No	1		
4.14.5	Casing	No	1		
4.15	Pump: KSB ETA 250/50, Impeller Size 509, SER NO: 9972210952	No	1		
4.15.1	Impeler	No	1		
4.15.2	Shaft	No	1		
4.15.3	Bearings	No	1		
4.15.4	Shaft Seals	No	1		
4.15.5	Casing	No	1		
4.16	Pump Sulzer: Type: HPL42/22,5 - 3 STAGE, SER NO: 651356(2012)	No	1		
4.16.1	Impeler	No	1		
4.16.2	Shaft	No	1		
4.16.3	Bearings	No	1		
4.16.4	Shaft Seals	No	1		
4.16.5	Casing	No	1		
4.17	Pump: Howden Split Casing	No	1		
4.17.1	Impeler	No	1		
4.17.2	Shaft	No	1		
4.17.3	Bearings	No	1		
4.17.4	Shaft Seals	No	1		
4.17.5	Casing	No	1		
4.18	Dosing Pump: Grundfos Alldos PPE	No	1		
4.18.1	Impeler	No	1		
4.18.2	Shaft	No	1		
4.18.3	Bearings	No	1		
4.18.4	Shaft Seals	No	1		
4.18.5	Casing	No	1		
4.19	Motor: Siemens, 37kW, 3Phase, 1475rpm, Ttype- LA6220-4AA-AAAA,	No	1		
4.19.1	1. Motor Windings	No	1		
4.19.2	2. Motor Bearings ND and NDE	No	1		
4.20	Motor 75.3kW, n1- 1450 1/m, Ser. No.- C2G93010,	No	1		
4.20.1	1. Motor Windings	No	1		
4.20.2	2. Motor Bearings ND and NDE	No	1		
4.21	Motor: Alstom, Type - 75KE, 2970rpm	No	1		
4.21.1	1. Motor Windings	No	1		
4.21.2	2. Motor Bearings ND and NDE	No	1		

4.22	Motor: Siemens, 15 kW, Type- LA6166-4AA1AAAA, Ser. No.- 0401380/19/1L	No	1		
4.22.1	1. Motor Windings	No	1		
4.22.2	2. Motor Bearings ND and NDE	No	1		
4.23	Motor: GEC, 22kW, No- D5139/1 JI,	No	1		
4.23.1	1. Motor Windings	No	1		
4.23.2	2. Motor Bearings ND and NDE	No	1		
4.24	Motor: GEC, 75kW, No- GRD2478/1 JF,	No	1		
4.24.1	1. Motor Windings	No	1		
4.24.2	2. Motor Bearings ND and NDE	No	1		
4.25	Motor: BMM, 75kW,	No	1		
4.25.1	1. Motor Windings	No	1		
4.25.2	2. Motor Bearings ND and NDE	No	1		
4.26	Blower: Robuschi, RVT 70, Ser. No.-C6080, 11kW WEG motor,	No	1		
4.26.1	1. Motor Windings	No	1		
4.26.2	2. Motor Bearings ND and NDE	No	1		
4.27	Motor: WEG 355M/L, 300KW 1490RPM, 380VOLT	No	1		
4.27.1	1. Motor Windings	No	1		
4.27.2	2. Motor Bearings ND and NDE	No	1		
4.28	Motor: WEG: 275KW; 380VOLTS; 1490RPM	No	1		
4.28.1	1. Motor Windings	No	1		
4.28.2	2. Motor Bearings ND and NDE	No	1		
4.29	Motor: Gec - 275KW; 1486RPM; 380VOLTS	No	1		
4.29.1	1. Motor Windings	No	1		
4.29.2	2. Motor Bearings ND and NDE	No	1		
4.30	Motor: Alstom - 160KW; 290AMPS; 380VOLTS, Star Delta	No	1		
4.30.1	1. Motor Windings	No	1		
4.30.2	2. Motor Bearings ND and NDE	No	1		
Total For PART 4 Carried Forward To Summary					

PART 4: RIETVLEI WATER TREATMENT WORKS MAINTENANCE TEAM

ITEM NO	DESCRIPTION	UNIT	QTY	RATE PER HOUR	AMOUNT (Excl.VAT)
4,3	MAINTENANCE				
4.31.1	Project Manager	Hour	1		
4.31.2	Maintenance Technician (electrical)	Hour	1		
4.31.3	Electrician	Hour	1		
4.31.4	Millwright	Hour	1		
4.31.5	Fitter	Hour	1		
4.31.6	Artisan	Hour	1		
4.31.7	Plant Operator	Hour	1		
4.31.8	Labourer	Hour	1		
4.31.9	Transport	KM	1		
Total For PART 4 Carried Forward To Summary					

PART 5: POTABLE WATER PUMP STATIONS

ITEM	DESCRIPTION	UNIT	QTY	RATE PER UNIT	AMOUNT (Excl. VAT)
NO					
5	WORKS SCHEDULE				
5.1	ASSET MAINTENANCE				
5.1.1	Replace Induction Motors (All items supplied should be SABS approved)				
5.1.1.1	Three phase, 400 V, 50 Hz induction motor, 11 kW, 2900 RPM	No	3		
5.1.1.2	Three phase, 400 V, 50 Hz induction motor, 18.5 kW, 2900 RPM	No	3		
5.1.1.3	Three phase, 400 V, 50 Hz induction motor, 20 kW, 2900 RPM	No	3		
5.1.1.4	Three phase, 400 V, 50 Hz induction motor, 22 kW, 2900 RPM	No	3		
5.1.1.5	Three phase, 400 V, 50 Hz induction motor, 45 kW, 2900 RPM	No	3		
5.1.1.6	Three phase, 400 V, 50 Hz induction motor, 90 kW, 2900 RPM	No	3		
5.1.1.7	Three phase, 400 V, 50 Hz induction motor, 15 kW, 1450 RPM	No	3		
5.1.1.8	Three phase, 400 V, 50 Hz induction motor, 30 kW, 1450 RPM	No	3		
5.1.1.9	Three phase, 400 V, 50 Hz induction motor, 37 kW, 1450 RPM	No	3		
5.1.1.10	Three phase, 400 V, 50 Hz induction motor, 45 kW, 1450 RPM	No	3		
5.1.1.11	Three phase, 400 V, 50 Hz induction motor, 55 kW, 1450 RPM	No	3		
5.1.1.12	Three phase, 400 V, 50 Hz induction motor, 75 kW, 1450 RPM	No	3		
5.1.1.13	Three phase, 400 V, 50 Hz induction motor, 90 kW, 1450 RPM	No	3		
5.1.1.14	Three phase, 400 V, 50 Hz induction motor, 132 kW, 1450 RPM	No	3		
5.1.1.15	Three phase, 400 V, 50 Hz induction motor, 220 kW, 1450 RPM	No	3		
5.1.1.16	Three phase, 400 V, 50 Hz induction motor, 230 kW, 1450 RPM	No	3		
5.1.1.17	Three phase, 400 V, 50 Hz induction motor, 300 kW, 1450 RPM	No	3		
5.1.1.18	Three phase, 400 V, 50 Hz induction motor, 315 kW, 1450 RPM	No	3		
5.2	Repair Induction Motors (rewinding to come with test certificates. bearing replacements)				
5.2.1	Three phase, 400 V, 50 Hz induction motor, 11 kW, 2900 RPM	No	3		
5.2.2	Three phase, 400 V, 50 Hz induction motor, 18.5 kW, 2900 RPM	No	3		
5.2.3	Three phase, 400 V, 50 Hz induction motor, 20 kW, 2900 RPM	No	3		
5.2.4	Three phase, 400 V, 50 Hz induction motor, 22 kW, 2900 RPM	No	3		
5.2.5	Three phase, 400 V, 50 Hz induction motor, 45 kW, 2900 RPM	No	3		
5.2.6	Three phase, 400 V, 50 Hz induction motor, 90 kW, 2900 RPM	No	3		
5.2.7	Three phase, 400 V, 50 Hz induction motor, 15 kW, 1450 RPM	No	3		
5.2.8	Three phase, 400 V, 50 Hz induction motor, 30 kW, 1450 RPM	No	3		
5.2.9	Three phase, 400 V, 50 Hz induction motor, 37 kW, 1450 RPM	No	3		
5.2.10	Three phase, 400 V, 50 Hz induction motor, 45 kW, 1450 RPM	No	3		
5.2.11	Three phase, 400 V, 50 Hz induction motor, 55 kW, 1450 RPM	No	3		
5.2.12	Three phase, 400 V, 50 Hz induction motor, 75 kW, 1450 RPM	No	3		
5.2.13	Three phase, 400 V, 50 Hz induction motor, 90 kW, 1450 RPM	No	3		
5.2.14	Three phase, 400 V, 50 Hz induction motor, 132 kW, 1450 RPM	No	3		
5.2.15	Three phase, 400 V, 50 Hz induction motor, 220 kW, 1450 RPM	No	3		
5.2.16	Three phase, 400 V, 50 Hz induction motor, 230 kW, 1450 RPM	No	3		
5.2.17	Three phase, 400 V, 50 Hz induction motor, 300 kW, 1450 RPM	No	3		
5.2.18	Three phase, 400 V, 50 Hz induction motor, 315 kW, 1450 RPM	No	3		
5.3	Replace pumps (All items supplied should be SABS approved)				
5.3.1	KSB ETA 80-33 centrifugal pump	No	3		

5.3.2	KSB WKLN 50/2 centrifugal pump	No	3		
5.3.3	KSB ETA 100-25 centrifugal pump	No	3		
5.3.4	KSB ETA 150-315 centrifugal pump	No	3		
5.3.5	KSB ETA 80-16 centrifugal pump	No	3		
5.3.6	KSB WKLN 100/4 centrifugal pump	No	3		
5.3.7	KSB ETA 150-60 centrifugal pump	No	3		
5.3.8	KSB ETA 200-40 centrifugal pump	No	3		
5.3.9	KSB ETA 65-250 centrifugal pump	No	3		
5.3.10	KSB WKLN 150/3NA centrifugal pump	No	3		
5.3.11	KSB Omega 250-600A centrifugal pump	No	3		
5.3.12	KSB Omega 250-600A centrifugal pump	No	3		
5.3.13	KSB KWP 0-200-400 centrifugal pump	No	3		
5.3.14	KSB ETA 100-400 centrifugal pump	No	3		
5.3.15	KSB ETA 300-35 centrifugal pump	No	3		
5.3.16	KSB ETA 250-29 centrifugal pump	No	3		
5.3.17	KSB ETA 250-33 centrifugal pump	No	3		
5.3.18	KSB ETA 80-49 centrifugal pump	No	3		
5.3.19	KSB ETA 40-200 centrifugal pump	No	3		
5.3.20	KSB ETA 65 - 200 centrifugal pump	No	3		
5.3.21	KSB ETA 150 - 50 centrifugal pump	No	3		
5.3.22	KSB WLN 300/2 centrifugal pump	No	3		
5.3.23	KSB ETA - B 200-50 centrifugal pump	No	3		
5.3.24	KSB ETA - 150-50 centrifugal pump	No	3		
5.3.25	KSB N 50 - 200 centrifugal pump	No	3		
5.3.26	KSB ETA 100 - 400 centrifugal pump	No	3		
5.3.27	KSB ETA 150-250 centrifugal pump	No	3		
5.3.28	KSB ES 100 250 centrifugal pump	No	3		
5.3.29	KSB ETA 250-50 centrifugal pump	No	3		
5.3.30	KSB ETA 80-40 centrifugal pump	No	3		
5.3.31	Worthington 591835	No	3		
5.3.32	Worthington N080/250V	No	3		
5.3.33	Ape 150-315	No	3		
5.3.34	Ape HSC	No	3		
5.3.35	ABS AFP 0831 M15/4D	No	3		
5.3.36	ABS AFP 1042 M40/4D	No	3		
5.3.37	ABS AFP 1049 M90/4D	No	3		
5.3.38	ABS VUPX 0402	No	3		
5.3.39	Sulzer SDC 200-200	No	3		
5.3.40	Sulzer SDC 125-150	No	3		
5.3.41	Sulzer SMD 300-500	No	3		
5.3.42	Sulzer HPL42-22.5/3STG	No	3		
5.3.43	Sulzer SP25-25	No	3		
Total For PART 5 Carried Forward To Summary					

PART 5: POTABLE WATER PUMP STATIONS

ITEM NO	DESCRIPTION	UNIT	QTY	RATE PER UNIT	AMOUNT (Excl.VAT)
	Repair Pumps (All items supplied should be SABS approved)				
5.4.	KSB ETA 80-33 centrifugal pump	No			
5.4.1	Impeler	per/Unit	1		
5.4.2	Shaft	per/Unit	1		
5.4.3	Bearings	per/Unit	1		
5.4.4	Shaft Seals	per/Unit	1		
5.4.5	Casing	per/Unit	1		
5.5	KSB WKLN 50/2 centrifugal pump	No			
5.5.1	Impeler	per/Unit	1		
5.5.2	Shaft	per/Unit	1		
5.5.3	Bearings	per/Unit	1		
5.5.4	Shaft Seals	per/Unit	1		
5.5.5	Casing	per/Unit	1		
5.6	KSB ETA 100-25 centrifugal pump	No			
5.6.1	Impeler	per/Unit	1		
5.6.2	Shaft	per/Unit	1		
5.6.3	Bearings	per/Unit	1		
5.6.4	Shaft Seals	per/Unit	1		
5.6.5	Casing	per/Unit	1		
5.7	KSB ETA 150-60 centrifugal pump	No			
5.7.1	Impeler	per/Unit	1		
5.7.2	Shaft	per/Unit	1		
5.7.3	Bearings	per/Unit	1		
5.7.4	Shaft Seals	per/Unit	1		
5.7.5	Casing	per/Unit	1		
5.8	KSB KWP 0-200-400 centrifugal pump	No			
5.8.1	Impeler	per/Unit	1		
5.8.2	Shaft	per/Unit	1		
5.8.3	Bearings	per/Unit	1		
5.8.4	Shaft Seals	per/Unit	1		
5.8.5	Casing	per/Unit	1		
5.9	KSB ETA 65 - 200 centrifugal pump	No			
5.9.1	Impeler	per/Unit	1		
5.9.2	Shaft	per/Unit	1		
5.9.3	Bearings	per/Unit	1		
5.9.4	Shaft Seals	per/Unit	1		
5.9.5	Casing	per/Unit	1		
5.10	KSB ETA 150 - 50 centrifugal pump	No			
5.10.1	Impeler	per/Unit	1		
5.10.2	Shaft	per/Unit	1		
5.10.3	Bearings	per/Unit	1		
5.10.4	Shaft Seals	per/Unit	1		
5.10.5	Casing	per/Unit	1		
5.11	KSB WLN 300/2 centrifugal pump	No			
5.11.1	Impeler	per/Unit	1		
5.11.2	Shaft	per/Unit	1		
5.11.3	Bearings	per/Unit	1		
5.11.4	Shaft Seals	per/Unit	1		
5.11.5	Casing	per/Unit	1		
5.12	KSB ETA - B 200-50 centrifugal pump	No			
5.12.1	Impeler	per/Unit	1		
5.12.2	Shaft	per/Unit	1		
5.12.3	Bearings	per/Unit	1		

5.12.4	Shaft Seals	per/Unit	1		
5.12.5	Casing	per/Unit	1		
5.13	KSB ETA - 150-50 centrifugal pump	No			
5.13.1	Impeler	per/Unit	1		
5.13.2	Shaft	per/Unit	1		
5.13.3	Bearings	per/Unit	1		
5.13.4	Shaft Seals	per/Unit	1		
5.13.5	Casing	per/Unit	1		
5.14	KSB N 50 - 200 centrifugal pump	No			
5.14.1	Impeler	per/Unit	1		
5.14.2	Shaft	per/Unit	1		
5.14.3	Bearings	per/Unit	1		
5.14.4	Shaft Seals	per/Unit	1		
5.14.5	Casing	per/Unit	1		
5.15	KSB ETA 100 - 400 centrifugal pump	No			
5.15.1	Impeler	per/Unit	1		
5.15.2	Shaft	per/Unit	1		
5.15.3	Bearings	per/Unit	1		
5.15.4	Shaft Seals	per/Unit	1		
5.15.5	Casing	per/Unit	1		
5.16	KSB ETA 150-250 centrifugal pump	No			
5.16.1	Impeler	per/Unit	1		
5.16.2	Shaft	per/Unit	1		
5.16.3	Bearings	per/Unit	1		
5.16.4	Shaft Seals	per/Unit	1		
5.16.5	Casing	per/Unit	1		
5.17	KSB ES 100 250 centrifugal pump	No			
5.17.1	Impeler	per/Unit	1		
5.17.2	Shaft	per/Unit	1		
5.17.3	Bearings	per/Unit	1		
5.17.4	Shaft Seals	per/Unit	1		
5.17.5	Casing	per/Unit	1		
5.18	KSB ETA 250-50 centrifugal pump	No			
5.18.1	Impeler	per/Unit	1		
5.18.2	Shaft	per/Unit	1		
5.18.3	Bearings	per/Unit	1		
5.18.4	Shaft Seals	per/Unit	1		
5.18.5	Casing	per/Unit	1		
5.19	KSB ETA 80-40 centrifugal pump	No			
5.19.1	Impeler	per/Unit	1		
5.19.2	Shaft	per/Unit	1		
5.19.3	Bearings	per/Unit	1		
5.19.4	Shaft Seals	per/Unit	1		
5.19.5	Casing	per/Unit	1		
5.20	Worthington 591835	No			
5.20.1	Impeler	per/Unit	1		
5.20.2	Shaft	per/Unit	1		
5.20.3	Bearings	per/Unit	1		
5.20.4	Shaft Seals	per/Unit	1		
5.20.5	Casing	per/Unit	1		
5.21	Worthington N080/250V	No			
5.21.1	Impeler	per/Unit	1		
5.21.2	Shaft	per/Unit	1		
5.21.3	Bearings	per/Unit	1		
5.21.4	Shaft Seals	per/Unit	1		
5.21.5	Casing	per/Unit	1		
5.22	Ape 150-315	No			

5.22.1	Impeler	per/Unit	1		
5.22.2	Shaft	per/Unit	1		
5.22.3	Bearings	per/Unit	1		
5.22.4	Shaft Seals	per/Unit	1		
5.22.5	Casing	per/Unit	1		
5.23	Ape HSC	No			
5.23.1	Impeler	per/Unit	1		
5.23.2	Shaft	per/Unit	1		
5.23.3	Bearings	per/Unit	1		
5.23.4	Shaft Seals	per/Unit	1		
5.23.5	Casing	per/Unit	1		
5.24	ABS AFP 0831 M15/4D	No			
5.24.1	Impeler	per/Unit	1		
5.24.2	Shaft	per/Unit	1		
5.24.3	Bearings	per/Unit	1		
5.24.4	Shaft Seals	per/Unit	1		
5.24.5	Casing	per/Unit	1		
5.25	ABS AFP 1042 M40/4D	No			
5.25.1	Impeler	per/Unit	1		
5.25.2	Shaft	per/Unit	1		
5.25.3	Bearings	per/Unit	1		
5.25.4	Shaft Seals	per/Unit	1		
5.25.5	Casing	per/Unit	1		
5.26	ABS AFP 1049 M90/4D	No			
5.26.1	Impeler	per/Unit	1		
5.26.2	Shaft	per/Unit	1		
5.26.3	Bearings	per/Unit	1		
5.26.4	Shaft Seals	per/Unit	1		
5.26.5	Casing	per/Unit	1		
5.27	ABS VUPX 0402	No			
5.27.1	Impeler	per/Unit	1		
5.27.2	Shaft	per/Unit	1		
5.27.3	Bearings	per/Unit	1		
5.27.4	Shaft Seals	per/Unit	1		
5.27.5	Casing	per/Unit	1		
5.28	Sulzer SDC 200-200	No			
5.28.1	Impeler	per/Unit	1		
5.28.2	Shaft	per/Unit	1		
5.28.3	Bearings	per/Unit	1		
5.28.4	Shaft Seals	per/Unit	1		
5.28.5	Casing	per/Unit	1		
5.29	Sulzer SDC 125-150	No			
5.29.1	Impeler	per/Unit	1		
5.29.2	Shaft	per/Unit	1		
5.29.3	Bearings	per/Unit	1		
5.29.4	Shaft Seals	per/Unit	1		
5.29.5	Casing	per/Unit	1		
5.30	Sulzer SMD 300-500	No			
5.30.1	Impeler	per/Unit	1		
5.30.2	Shaft	per/Unit	1		
5.30.3	Bearings	per/Unit	1		
5.30.4	Shaft Seals	per/Unit	1		
5.30.5	Casing	per/Unit	1		
5.31	Sulzer HPL42-22.5/3STG	No			
5.31.1	Impeler	per/Unit	1		
5.31.2	Shaft	per/Unit	1		
5.31.3	Bearings	per/Unit	1		

5.31.4	Shaft Seals	per/Unit	1		
5.31.5	Casing	per/Unit	1		
5.32	Sulzer SP25-25	No			
5.32.1	Impeler	per/Unit	1		
5.32.2	Shaft	per/Unit	1		
5.32.3	Bearings	per/Unit	1		
5.32.4	Shaft Seals	per/Unit	1		
5.32.5	Casing	per/Unit	1		
	Repair/Replace DC Drives (All DC drives are 400 V, 50 Hz supplied)				
5.33	Soft starter, 190A	No	2		
5.34	Soft starter, 245A	No	2		
5.35	Soft starter, 25A	No	2		
5.36	Soft starter, 310A	No	2		
5.37	Soft starter, 365A	No	2		
5.38	Soft starter, 38A	No	2		
5.39	Soft starter, 45A	No	2		
5.40	Soft starter, 625A	No	2		
5.41	Soft starter, 470A	No	2		
5.42	Soft starter, 60A	No	2		
5.43	Soft starter, 6A	No	2		
5.44	Soft starter, 75A	No	2		
5.45	Soft starter, 85A	No	2		
5.46	Variable speed drives, 110A	No	2		
5.47	Variable speed drives, 142A	No	2		
5.48	Variable speed drives, 18A	No	2		
5.49	Variable speed drives, 190A	No	2		
5.50	Variable speed drives, 12A	No	2		
5.51	Variable speed drives, 245A	No	2		
5.52	Variable speed drives, 25A	No	2		
5.53	Variable speed drives, 310A	No	2		
5.54	Variable speed drives, 365A	No	2		
5.55	Variable speed drives, 38A	No	2		
5.56	Variable speed drives, 45A	No	2		
5.57	Variable speed drives, 470A	No	2		
5.58	Variable speed drives, 560A	No	2		
5.59	Variable speed drives, 60A	No	2		
5.60	Variable speed drives, 6A	No	2		
5.61	Variable speed drives, 75A	No	2		
5.62	Variable speed drives, 85A	No	2		
5.63	Variable speed drive, 45 kW	No	2		
	Total For PART 5 Carried Forward To Summary				

PART 5: PORTABLE WATER PUMPS MAINTENANCE TEAM

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Excl.VAT)
	MAINTENANCE				
5.103	Project Manager	Hour	1		
5.104	Maintenance Technician (electrical)	Hour	1		
5.105	Electrician	Hour	1		
5.106	Millwright	Hour	1		
5.107	Fitter	Hour	1		
5.108	Artisan	Hour	1		
5.109	Plant Operator	Hour	1		
5.110	Labourer	Hour	1		
5.111	Transport	KM	1		
Total for Part 5 carried forward to summary					

PART 5	MCC COMPONENTS (these differ from pump station to pump station, depending on the size and the function of a pump station. The following are most common)				
ITEM NO.	DESCRIPTION	UNIT	QTY	RATE PER UNIT	AMOUNT (Excl.VAT)
5.70	Main (breaker) incomer, NS400N - 400 A 3 Phase	No	2		
5.71	Current transformer, Ration 400/5 A	No	6		
5.72	Fuses, Red spot R320x20A No 45312C	No	6		
5.73	Fuses, 125 A - 690 V - 10x38x2A no 480032	No	6		
5.74	Surge arrestors, BCT MLC BD 24	No	10		
5.75	Phase monitoring relay, Voltage Window Comparator UV/OV	No	2		
5.76	Slector switch, 4007 R540941009 SAS	No	2		
5.77	CB, 1 pole 16 A single phase	No	2		
5.78	CB, a pole 5 A single phase	No	2		
5.79	CB, 3 pole C120Hx80A 3 phase	No	2		
5.80	CB, 3 pole C60ax20A EL 3 phase	No	2		
5.81	CB, 1 pole C60ax 5 A single phase	No	10		
5.82	CB, 1 pole C60ax 16 A single phase	No	4		
5.83	CB, 1 pole C60ax 20 A single phase	No	4		
5.84	CB, 1 pole C60ax 20 - 30 mA EL single phase	No	2		
5.85	Ammeter (analogue) (0-400) A	No	24		
5.86	Voltmeter (analogue) (0-500) V	No	2		
5.87	PLC, Modicon TSX Micro	No	2		
5.88	Power Supply, ABL7-RE 2405 - 20-24 V	No	2		
5.89	Relay, 230 V coil 8 pin	No	20		
5.90	Relay, 24 V coil 8 pin	No	6		
5.91	Relay, 56.34 x 12 A	No	10		
5.92	Fuses, 32A - 690 V - 10x38x4A and 16A	No	18		
5.93	Fuses, 0.5 A	No	8		
5.94	Fuses, 100 mA	No	4		
5.95	Handle CB, NS 250N x 220A 3 phase	No	6		
5.96	CT, Ration 250/5 A	No	18		
5.97	Soft starter, RVS -DX 145-600-230-3m-5s	No	6		
5.98	Timer relay, FED3T	No	12		
5.99	Power meter, 3 phase kWH meter	No	2		
5.100	Selector knob, ZBE 101 x NO switch	No	24		
5.101	Selector knob, ZBE 102 x NC switch	No	6		
5.102	LED lights	No	12		
	Total For Part 5 Carried Forward To Summary				

3. PRICE SCHEDULE

No.	Description	Total Amount	10% CONTIN- GENCY	SUB-TOTAL INCL CONTIN- GENCIES	VAT	SUB-TOTAL INCL VAT
1	PART 1 : ROODEPLAAT WATER TREATMENT WORKS					
2	PART 1 : ROODEPLAAT WATER TREATMENT WORKS	.				
3	PART 1: ROODEPLAAT WATER TREATMENT WORKS MAINTENANCE TEAM		.			
4	PART 2 : TEMBA WATER TREATMENT WORKS					
5	PART 2 : TEMBA WATER TREATMENT WORKS					
6	PART 2: TEMBA WATER TREATMENT WORKS MAINTENANCE TEAM					
7	PART 3 : BRONKHORSTPRUIT WATER TREATMENT WORKS					
8	PART 3 : BRONKHORSTPRUIT WATER TREATMENT WORKS					
9	PART 3: BRONKHORSTPRUIT WATER TREATMENT WORKS MAINTENANCE TEAM					
10	PART 4 : RIETVLEI WATER TREATMENT WORKS					
11	PART 4 : RIETVLEI WATER TREATMENT WORKS					
12	PART 4: RIETVLEI WATER TREATMENT WORKS MAINTENANCE TEAM					
13	PART 5: POTABLE WATER PUMP STATIONS					
14	PART 5: POTABLE WATER PUMP STATIONS					
15	PART 5: POTABLE WATER PUMP STATIONS					
16	PART 5: POTABLE WATER PUMP STATIONS MAINTENANCE TEAM					
	TENDER SUM CARRIED FORWARD TO SUMMARY					

BD1**PART A****INVITATION TO BID**

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE CITY OF TSHWANE MUNICIPALITY					
BID NUMBER:	WS 04 2022/23	CLOSING DATE:	24 August 2022	CLOSING TIME:	10:00
DESCRIPTION	TENDER FOR THE MAINTENANCE OF THE EXISTING POTABLE WATER PUMPS, ELECTRICAL EQUIPMENT AND (MOTOR CONTROL CENTRE) MCC PANELS FOR WATER TREATMENT PLANTS, BOREHOLES, SPRINGS/FOUNTAINS AND PUMP STATIONS OF THE CITY OF TSHWANE AS AND WHEN REQUIRED FOR A PERIOD OF THREE YEARS				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).					

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

City of Tshwane Metropolitan Municipality					
Supply Chain Management Tshwane House					
320 Madiba Street					
Pretoria CBD					
0002					
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					
TAX COMPLIANCE STATUS	TCS PIN:		OR	CSD No:	
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	<input type="checkbox"/> Yes		B-BBEE STATUS LEVEL SWORN AFFIDAVIT		<input type="checkbox"/> Yes <input type="checkbox"/> No

[TICK APPLICABLE BOX]	<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 PART B:3]
TOTAL NUMBER OF ITEMS OFFERED		TOTAL BID PRICE	R
SIGNATURE OF BIDDER	DATE	
CAPACITY UNDER WHICH THIS BID IS SIGNED			
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:		TECHNICAL INFORMATION MAY BE DIRECTED TO:	
DEPARTMENT	Supply Chain Management	CONTACT PERSON	Dumisani Tshabalala
CONTACT PERSON	Lukkie N Thobejane-Selowe	TELEPHONE NUMBER	012 358 5759
TELEPHONE NUMBER	012 358 6282	FACSIMILE NUMBER	n/a
FACSIMILE NUMBER	n/a	EMAIL ADDRESS	dumisanit@tshwane.gov.za
EMAIL ADDRESS	lukkiet3@tshwane.gov.za		

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 ONLINE
1.3	THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
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 VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3	APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.
2.4	FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B:3.
2.5	BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.6	IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.7	WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS	
3.1	IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? YES <input type="checkbox"/> NO <input type="checkbox"/>
3.2	DOES THE ENTITY HAVE A BRANCH IN THE RSA? YES <input type="checkbox"/> NO <input type="checkbox"/>
3.3	DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? YES <input type="checkbox"/> NO <input type="checkbox"/>
3.4	DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? YES <input type="checkbox"/> NO <input type="checkbox"/>
3.5	IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? YES <input type="checkbox"/> NO <input type="checkbox"/>
<p>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 ABOVE.</p>	

NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID. NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE.

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:

DATE:



PRICING SCHEDULE: FIRM PRICES (PURCHASES)

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECT TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name of Bidder.....	Bid Number
Closing Time	Closing Date

OFFER TO BE VALID FOR DAYS FROM THE CLOSING DATE OF BID.

ITEM NO.	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY **(ALL APPLICABLE TAXES INCLUDED)
----------	----------	-------------	--

- Required by:
- At:
- Brand and Model
- Country of Origin
- Does the offer comply with the specification(s)? *YES/NO
- If not to specification, indicate deviation(s)
- Period required for delivery
*Delivery: Firm/Not firm
- Delivery basis

Note: All delivery costs must be included in the bid price, for delivery at the prescribed destination.

** "all applicable taxes" includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.

* Delete if not applicable

PRICING SCHEDULE: NON-FIRM PRICES (PURCHASES)

NOTE: PRICE ADJUSTMENTS WILL BE ALLOWED AT THE PERIODS AND TIMES SPECIFIED IN THE BIDDING DOCUMENTS.

IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name of Bidder	Bid number
Closing Time	Closing Date

OFFER TO BE VALID FOR 90 DAYS FROM THE CLOSING DATE OF BID.

ITEM NO.	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY **(ALL APPLICABLE TAXES INCLUDED)
----------	----------	-------------	--

- Required by:
- At:
- Brand and model
- Country of origin
- Does the offer comply with the specification(s)? *YES/NO
- If not to specification, indicate deviation(s)
- Period required for delivery
- Delivery: *Firm/Not firm
- ** "all applicable taxes" includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.
- * Delete if not applicable

PRICE ADJUSTMENTS

A. NON-FIRM PRICES SUBJECT TO ESCALATION

1. IN CASES OF PERIOD CONTRACTS, NON FIRM PRICES WILL BE ADJUSTED (LOADED) WITH THE ASSESSED CONTRACT PRICE ADJUSTMENTS IMPLICIT IN NON FIRM PRICES WHEN CALCULATING THE COMPARATIVE PRICES
2. IN THIS CATEGORY PRICE ESCALATIONS WILL ONLY BE CONSIDERED IN TERMS OF THE FOLLOWING FORMULA:

$$Pa = (1 - V)Pt \left(D1 \frac{R1t}{R1o} + D2 \frac{R2t}{R2o} + D3 \frac{R3t}{R3o} + D4 \frac{R4t}{R4o} \right) + VPt$$

Where:

- Pa = The new escalated price to be calculated.
- (1-V) Pt = 85% of the original bid price. **Note that Pt must always be the original bid price and not an escalated price.**
- D1, D2.. = Each factor of the bid price eg. labour, transport, clothing, footwear, etc. The total of the various factors D1,D2...etc. must add up to 100%.
- R1t, R2t..... = Index figure obtained from new index (depends on the number of factors used).
- R1o, R2o = Index figure at time of bidding.
- VPt = 15% of the original bid price. This portion of the bid price remains firm i.e. it is not subject to any price escalations.

3. The following index/indices must be used to calculate your bid price:

Index..... Dated.....	Index..... Dated.....	Index..... Dated.....
Index..... Dated.....	Index..... Dated.....	Index..... Dated.....

4. FURNISH A BREAKDOWN OF YOUR PRICE IN TERMS OF ABOVE-MENTIONED FORMULA. THE TOTAL OF THE VARIOUS FACTORS MUST ADD UP TO 100%.

FACTOR (D1, D2 etc. eg. Labour, transport etc.)	PERCENTAGE OF BID PRICE



B. PRICES SUBJECT TO RATE OF EXCHANGE VARIATIONS

- Please furnish full particulars of your financial institution, state the currencies used in the conversion of the prices of the items to South African currency, which portion of the price is subject to rate of exchange variations and the amounts remitted abroad.

PARTICULARS OF FINANCIAL INSTITUTION	ITEM NO	PRICE	CURRENCY	RATE	PORTION OF PRICE SUBJECT TO ROE	AMOUNT IN FOREIGN CURRENCY REMITTED ABROAD
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		

- Adjustments for rate of exchange variations during the contract period will be calculated by using the average monthly exchange rates as issued by your commercial bank for the periods indicated hereunder: (Proof from bank required)

AVERAGE MONTHLY EXCHANGE RATES FOR THE PERIOD:	DATE DOCUMENTATION MUST BE SUBMITTED TO THIS OFFICE	DATE FROM WHICH NEW CALCULATED PRICES WILL BECOME EFFECTIVE	DATE UNTIL WHICH NEW CALCULATED PRICE WILL BE EFFECTIVE

ADJUSTMENT PERIODS	DATE FROM WHICH NEW CALCULATED PRICES WILL BECOME EFFECTIVE
1 st Adjustment	After 12 calendar months
2 nd Adjustment	After 24 calendar months

NB: Unless prior approval has been obtained from Supply Chain Management, no adjustment in contract prices will be made

DECLARATION OF INTEREST

1. No bid will be accepted from persons in the service of the state¹.
2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority.
3. **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**
 - 3.1 Full Name of bidder or his or her representative:
 - 3.2 Identity Number:
 - 3.3 Position occupied in the Company (director, trustee, hareholder²)
 - 3.4 Company Registration Number:
 - 3.5 Tax Reference Number:
 - 3.6 VAT Registration Number:
 - 3.7 The names of all directors / trustees / shareholders members, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below.
 - 3.8 Are you presently in the service of the state? **YES / NO**
 - 3.8.1 If yes, furnish particulars.
.....

¹ MSCM Regulations: "in the service of the state" means to be –

- (a) a member of –
 - (i) any municipal council;
 - (ii) any provincial legislature; or
 - (iii) the national Assembly or the national Council of provinces;
- (b) a member of the board of directors of any municipal entity;
- (c) an official of any municipality or municipal entity;
- (d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);
- (e) a member of the accounting authority of any national or provincial public entity; or
- (f) an employee of Parliament or a provincial legislature.

² Shareholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.

3.9 Have you been in the service of the state for the past twelve months? **YES/NO**

3.9.1 If yes, furnish particulars.

.....

3.10 Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

3.10.1 If yes, furnish particulars.

.....

3.11 Are you, aware of any relationship (family, friend, other) between any other bidder and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

3.11.1 If yes, furnish particulars.

.....

3.12 Are any of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**

3.12.1 If yes, furnish particulars.

.....

3.13 Are any spouse, child or parent of the company's directors trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**

3.13.1 If yes, furnish particulars.

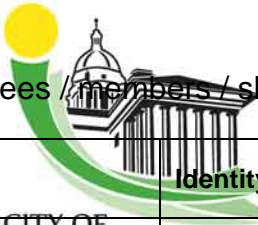
.....

3.14 Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract. **YES / NO**

3.14.1 If yes, furnish particulars:

.....

4. Full details of directors / trustees / ~~members~~ / shareholders.



Full Name	Identity Number	State Employee Number

.....

Signature

.....

Date

.....

Capacity

.....

Name of Bidder



MBD 5

DECLARATION FOR PROCUREMENT ABOVE R10 MILLION (ALL APPLICABLE TAXES INCLUDED)

For all procurement expected to exceed R10 million (all applicable taxes included), bidders must complete the following questionnaire:

1 Are you by law required to prepare annual financial statements ***YES / NO**
for auditing?

1.1 If yes, submit audited annual financial statements for the past
three years or since the date of establishment if established during
the past three years.

.....
.....

2 Do you have any outstanding undisputed commitments ***YES / NO**
for municipal services towards any municipality for more
than three months or any other service provider in respect
of which payment is overdue for more than 30 days?

2.1 If no, this serves to certify that the bidder has no ***YES / NO**
undisputed commitments for municipal services
towards any municipality for more than three months
or other service provider in respect of which payment
is overdue for more than 30 days.

2.2 If yes, provide particulars.

.....
.....
.....
.....

3 Has any contract been awarded to you by an organ of state ***YES / NO**
during the past five years, including particulars of any material

non-compliance or dispute concerning the execution of such contract?

3.1 If yes, furnish particulars

.....

4.1 Will any portion of goods or services be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality / municipal entity is expected to be transferred out of the Republic? ***YES / NO**

4.1 If yes, furnish particulars

.....

CERTIFICATION

**I, THE UNDERSIGNED (NAME)
 CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION
 FORM IS CORRECT. I ACCEPT THAT THE STATE MAY ACT AGAINST ME
 SHOULD THIS DECLARATION PROVE TO BE FALSE.**

.....
 Signature

.....
 Date

.....
 Position

.....
 Name of Bidder

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

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

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

1. GENERAL CONDITIONS

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

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

1.2 The value of this bid is estimated **to exceed** R50 000 000 (all applicable taxes included) and therefore the **90/10** preference point system shall be applicable.

1.3 Preference points for this bid shall be awarded for:

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

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

	POINTS
PRICE	90
B-BBEE STATUS LEVEL OF CONTRIBUTION	10
Total points for Price and B-BBEE must not exceed	100

1.5 Failure on the part of a bidder to submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS), or a Registered Auditor approved by the Independent Regulatory Board of Auditors (IRBA) or a sworn affidavit confirming annual turnover and level of black ownership in case of an EME and QSE together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

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

2. DEFINITIONS

- (a) **“all applicable taxes”** includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- (b) **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (c) **“B-BBEE status level of contributor”** means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (d) **“bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of services, works or goods, through price quotations, advertised competitive bidding processes or proposals;
- (e) **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003) as amended by Act No 46 of 2013;
- (f) **“comparative price”** means the price after the factors of a non-firm price and all unconditional discounts that can be utilized have been taken into consideration;
- (g) **“consortium or joint venture”** 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;
- (h) **“contract”** means the agreement that results from the acceptance of a bid by an organ of state;
- (i) **“EME”** means an Exempted Micro Enterprise as defines by Codes of Good Practice issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (j) **“Firm price”** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- (k) **“functionality”** means the measurement according to predetermined norms, as set out in the bid documents, of a service or commodity that

is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a bidder;

- (l) **“non-firm prices”** means all prices other than “firm” prices;
- (m) **“person”** includes a juristic person;
- (n) **“QSE”** means a Qualifying Small Enterprise as defines by Codes of Good Practice issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (o) **“rand value”** means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties;
- (p) **“sub-contract”** means the primary contractor’s assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract;
- (q) **“total revenue”** bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act and promulgated in the *Government Gazette* on 9 February 2007;
- (r) **“trust”** means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- (s) **“trustee”** means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

3. ADJUDICATION USING A POINT SYSTEM

- 3.1 The bidder obtaining the highest number of total points will be awarded the contract.
- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts;.
- 3.3 Points scored must be rounded off to the nearest 2 decimal places.
- 3.4 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.

- 3.5 However, when functionality is part of the evaluation process and two or more bids have scored equal points including equal preference points for B-BBEE, the successful bid must be the one scoring the highest score for functionality.
- 3.6 Should two or more bids be equal in all respects, the award shall be decided by the drawing of lots.

4. POINTS AWARDED FOR PRICE

4.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$\begin{array}{ccc}
 \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\
 P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right) & \text{or} & P_s = 90 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)
 \end{array}$$

Where

P_s = Points scored for comparative price of bid under consideration
 P_t = Comparative price of bid under consideration
 P_{\min} = Comparative price of lowest acceptable bid

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

- 5.1 In terms of Regulation 5(2) and 6(2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

- 5.2 A bidder who qualifies as an EME in terms of the B-BBEE Act must submit a sworn affidavit confirming Annual Total Revenue and Level of Black Ownership.
- 5.3 A Bidder other than EME or QSE must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their

B-BBEE rating issued by a Registered Auditor approved by IRBA or a Verification Agency accredited by SANAS.

- 5.4 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.
- 5.5 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.
- 5.6 Tertiary Institutions and Public Entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.
- 5.7 A person will not be awarded points for B-BBEE status level if it is indicated in the bid documents that such a bidder intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.
- 5.8 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.

6. BID DECLARATION

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

7. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 5.1

- 7.1 B-BBEE Status Level of Contribution: = (maximum of 10 or 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or a Registered Auditor approved by IRBA or a sworn affidavit.

8. SUB-CONTRACTING

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

(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

8.1.1. If yes, indicate:

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

(Tick applicable box)

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

9. DECLARATION WITH REGARD TO COMPANY/FIRM

9.1 Name of company/firm:

9.2 VAT number:

9.3 Company registration number:

9.4 TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

9.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

.....

.....

9.6 COMPANY CLASSIFICATION

- ☐ Manufacturer
- ☐ Supplier
- ☐ Professional service provider
- ☐ Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

9.7 MUNICIPAL INFORMATION

Municipality where business is situated:

Registered Account Number:

Stand Number:

9.8 Total number of years the company/firm has been in business

9.9 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraph 7 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 7, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, 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.

WITNESSES

1.
2.

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

DATE

ADDRESS:
.....
.....



CONTRACT FORM: RENDERING OF SERVICES

THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SERVICE PROVIDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SERVICE PROVIDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.

PART 1 (TO BE FILLED IN BY THE SERVICE PROVIDER)

1. I hereby undertake to render services described in the attached bidding documents to (name of the institution)..... in accordance with the requirements and task directives / proposals specifications stipulated in Bid Number **WS 04 2022/23** at the price/s quoted. My offer/s remain binding upon me and open for acceptance by the Purchaser during the validity period indicated and calculated from the closing date of the bid.
2. The following documents shall be deemed to form and be read and construed as part of this agreement:
 - (i) Bidding documents, viz
 - Invitation to bid;
 - Tax clearance certificate;
 - Pricing schedule(s);
 - Filled in task directive/proposal;
 - Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2017;
 - Declaration of interest;
 - Declaration of Bidder's past SCM practices;
 - Certificate of Independent Bid Determination;
 - Special Conditions of Contract;
 - (ii) General Conditions of Contract; and
 - (iii) Other (specify)
3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the services specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.
4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfillment of this contract.

5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.
6. I confirm that I am duly authorised to sign this contract.

NAME (PRINT)

CAPACITY

SIGNATURE

NAME OF FIRM

DATE

WITNESSES

1

2

DATE:



MBD 7.2

CONTRACT FORM: PURCHASE OF GOODS OR WORK

PART 2 (TO BE FILLED IN BY THE PURCHASER)

TSHWANE

IGNITING EXCELLENCE

1. I..... in my capacity as accept your bid under reference number dated..... for the rendering of services indicated hereunder and/or further specified in the annexure(s).
2. An official order indicating service delivery instructions is forthcoming.
3. I undertake to make payment for the services rendered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice.

DESCRIPTION OF SERVICE	PRICE (ALL APPLICABLE TAXES INCLUDED)	COMPLETION DATE	B-BBEE STATUS LEVEL OF CONTRIBUTION	MINIMUM THRESHOLD FOR LOCAL PRODUCTION AND CONTENT (if applicable)

4. I confirm that I am duly authorised to sign this contract.

SIGNED AT ON

NAME (PRINT)

SIGNATURE

OFFICIAL STAMP

WITNESSES

1

2

DATE:

DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1 This Municipal Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be rejected if that bidder, or any of its directors have:
 - a. abused the municipality's / municipal entity's supply chain management system or committed any improper conduct in relation to such system;
 - b. been convicted for fraud or corruption during the past five years;
 - c. willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
 - d. been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).
- 4 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

Item	Question	Yes	No
4.1	<p>Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector?</p> <p>(Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied).</p> <p>The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.</p>	<p>Yes</p> <p><input type="checkbox"/></p>	<p>No</p> <p><input type="checkbox"/></p>
4.1.1	If so, furnish particulars:		
4.2	<p>Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?</p> <p>The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.</p>	<p>Yes</p> <p><input type="checkbox"/></p>	<p>No</p> <p><input type="checkbox"/></p>

4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.3.1	If so, furnish particulars:		
4.4	Does the bidder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.7.1	If so, furnish particulars:		

CERTIFICATION

**I, THE UNDERSIGNED (FULL NAME)
CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM
TRUE AND CORRECT.**

**I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION
MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE
FALSE.**

.....
Signature

.....
Date

CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Municipal Bidding Document (MBD) must form part of all bids¹ invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
 - a. take all reasonable steps to prevent such abuse;
 - b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
 - c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.
- 4 This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5 In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid: **WS 04 2022/23**

TENDER FOR THE MAINTENANCE OF THE EXISTING POTABLE WATER PUMPS, ELECTRICAL EQUIPMENT AND (MOTOR CONTROL CENTRE) MCC PANELS FOR WATER TREATMENT PLANTS, BOREHOLES, SPRINGS/FOUNTAINS, AND PUMP STATIONS OF THE CITY OF TSHWANE AS AND WHEN REQUIRED FOR A PERIOD OF THREE YEARS

(Bid Number and Description)

in response to the invitation for the bid made by:

CITY OF TSHWANE MUNICIPALITY

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: _____ that:
(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
6. 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 consortium³ will not be construed as collusive bidding.

³ 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.

THE NATIONAL TREASURY

Republic of South Africa



GOVERNMENT PROCUREMENT

GENERAL CONDITIONS OF CONTRACT

July 2010

GOVERNMENT PROCUREMENT

GENERAL CONDITIONS OF CONTRACT

July 2010

NOTES

The purpose of this document is to:

- (i) Draw special attention to certain general conditions applicable to government bids, contracts and orders; and
- (ii) To ensure that clients be familiar with regard to the rights and obligations of all parties involved in doing business with government.

In this document words in the singular also mean in the plural and vice versa and words in the masculine also mean in the feminine and neuter.

- The General Conditions of Contract will form part of all bid documents and may not be amended.
- Special Conditions of Contract (SCC) relevant to a specific bid, should be compiled separately for every bid (if applicable) and will supplement the General Conditions of Contract. Whenever there is a conflict, the provisions in the SCC shall prevail.

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General Conditions of Contract

1. Definitions

1. The following terms shall be interpreted as indicated:
 - 1.1 “Closing time” means the date and hour specified in the bidding documents for the receipt of bids.
 - 1.2 “Contract” means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
 - 1.3 “Contract price” means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
 - 1.4 “Corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
 - 1.5 "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
 - 1.6 “Country of origin” means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
 - 1.7 “Day” means calendar day.
 - 1.8 “Delivery” means delivery in compliance of the conditions of the contract or order.
 - 1.9 “Delivery ex stock” means immediate delivery directly from stock actually on hand.
 - 1.10 “Delivery into consignees store or to his site” means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
 - 1.11 "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
 - 1.12 "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
 - 1.13 “Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.

- 1.14 “GCC” means the General Conditions of Contract.
- 1.15 “Goods” means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 1.16 “Imported content” means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.
- 1.17 “Local content” means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.
- 1.18 “Manufacture” means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.19 “Order” means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.20 “Project site,” where applicable, means the place indicated in bidding documents.
- 1.21 “Purchaser” means the organization purchasing the goods.
- 1.22 “Republic” means the Republic of South Africa.
- 1.23 “SCC” means the Special Conditions of Contract.
- 1.24 “Services” means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.
- 1.25 “Written” or “in writing” means handwritten in ink or any form of electronic or mechanical writing.

1. Application

- 2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.
- 2.2 Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.
- 2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

3. General

- 3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid.
Where applicable a non-refundable fee for documents may be charged.

	3.2	With certain exceptions, invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from www.treasury.gov.za
4. Standards	4.1	The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.
5. Use of contract documents and information inspection.	5.1	The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
	5.2	The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.
	5.3	Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.
	5.4	The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.
6. Patent rights	6.1	The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.
7. Performance security	7.1	Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.
	7.2	The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
	7.3	The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms: <ul style="list-style-type: none"> (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or (b) a cashier's or certified cheque
	7.4	The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.
8. Inspections, tests and analyses	8.1	All pre-bidding testing will be for the account of the bidder.

- 8.2 If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Department or an organization acting on behalf of the Department.
- 8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5 Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
- 8.7 Any contract supplies may on or after delivery be inspected, tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies which do comply with the requirements of the contract. Failing such removal the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.
- 8.8 The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.

9. Packing

- 9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

- 10.1 Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.
- 10.2 Documents to be submitted by the supplier are specified in SCC.

11. Insurance	11.1	The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC.
12. Transportation	12.1	Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.
13. Incidental services, services	13.1	<p>The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:</p> <ul style="list-style-type: none"> (a) performance or supervision of on-site assembly and/or commissioning of the supplied goods; (b) furnishing of tools required for assembly and/or maintenance of the supplied goods; (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods; (d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and (e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.
	13.2	Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.
14. Spare parts	14.1	<p>As specified in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:</p> <ul style="list-style-type: none"> (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and (b) in the event of termination of production of the spare parts: <ul style="list-style-type: none"> (i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and (ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.
15. Warranty	15.1	The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
	15.2	This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the

final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.

- 15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
 - 15.4 Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.
 - 15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.
- 16. Payment**
- 16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.
 - 16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.
 - 16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.
 - 16.4 Payment will be made in Rand unless otherwise stipulated in SCC.
- 17. Prices**
- 17.1 Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized in SCC or in the purchaser's request for bid validity extension, as the case may be.
- 18. Contract**
- 18.1 No variation in or modification of the terms of the contract shall be made **amendments** except by written amendment signed by the parties concerned.
- 19. Assignment**
- 19.1 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.
- 20. Subcontracts**
- 20.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under this contracts if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.
- 21. Delays in the supplier's performance**
- 21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
 - 21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.

- 21.3 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.
- 21.4 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.
- 21.5 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.
- 21.6 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without canceling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.
- 22. Penalties**
- 22.1 Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.
- 23. Termination for default**
- 23.1 The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:
- (a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
 - (b) if the Supplier fails to perform any other obligation(s) under the contract; or
 - (c) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.
- 23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.
- 23.4 If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated

fourteen (14) days the purchaser may regard the intended penalty as not objected against and may impose it on the supplier.

- 23.5 Any restriction imposed on any person by the Accounting Officer / Authority will, at the discretion of the Accounting Officer / Authority, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the Accounting Officer / Authority actively associated.
- 23.6 If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:
- (i) the name and address of the supplier and / or person restricted by the purchaser;
 - (ii) the date of commencement of the restriction
 - (iii) the period of restriction; and
 - (iv) the reasons for the restriction.

These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.

- 23.7 If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

24. Anti-dumping and countervailing duties and rights

- 24.1 When, after the date of bid, provisional payments are required, or antidumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him

25. Force Majeure

- 25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.
- 25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all

		reasonable alternative means for performance not prevented by the force majeure event.
26. Termination for insolvency	26.1	The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.
27. Settlement of Disputes	27.1	If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
	27.2	If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.
	27.3	Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.
	27.4	Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.
	27.5	Notwithstanding any reference to mediation and/or court proceedings herein, (a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and (b) the purchaser shall pay the supplier any monies due the supplier.
28. Limitation of liability	28.1	Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6; the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.
29. Governing language	29.1	The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.
30. Applicable law	30.1	The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.
31. Notices	31.1	Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice

- 31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.
- 32. Taxes and duties**
- 32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.
- 32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.
- 32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.
- 33. National Industrial Participation (NIP) Programme**
- 33.1 The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation
- 34. Prohibition of Restrictive practices**
- 34.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is / are or a contractor(s) was / were involved in collusive bidding (or bid rigging).
- 34.2 If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.
- 34.3 If a bidder(s) or contractor(s), has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

Js General Conditions of Contract (revised July 2010)

SERVICE LEVEL AGREEMENT

entered into between

THE CITY OF TSHWANE METROPOLITAN MUNICIPALITY
duly represented by the City Manager:

AND

.....

SERVICE LEVEL AGREEMENT

entered into between

THE CITY OF TSHWANE METROPOLITAN MUNICIPALITY
a municipality as described in section 2 of the Local Government: Municipal Systems Act, 2000 and as contemplated in section 155 of the Constitution of the Republic of South Africa, 1996 as a category A municipality, or the Assignee, if applicable, herein represented by Jason Ngobeni in his capacity as City Manager duly authorised thereto under and by virtue of a resolution passed on 26 January 2012, and who by his/her signature hereto warrants that he/she is properly authorised to sign this Agreement.
(Herein referred to as the "CITY")

AND

.....

Herein represented byin his/her capacity as duly authorised thereto under and by virtue of a resolution of the Board passed on _____, a copy of which is annexed as "Annexure A", and who by his/her signature hereto warrants that he/she is properly authorised to sign this Agreement
(Herein referred to as the "SERVICE PROVIDER")

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RECORDAL:

WHEREAS the City requires the supply, commissioning and maintenance of telemetering equipment for remote monitoring and controlling at the service areas;

AND WHEREAS the City wishes to appoint as a service provider;

AND WHEREAS the service provider wishes to provide such services;

AND WHEREAS the service provider has indicated that it has the necessary expertise, skills and capabilities to provide the service;

NOW THEREFORE the Parties have agreed to enter into this Agreement, in terms of which shall provide the Services in the Service Areas and/or Delivery Area to the City in accordance with the terms and subject to the conditions of this Agreement:

1 DEFINITIONS

Unless otherwise expressly stated, or the context otherwise requires, the words and expressions listed below shall, when used in this Agreement, including this introduction, bear the meanings ascribed to them:

1.1 "Agreement" means this service level agreement and shall include any annexures and/or schedules and/or attachments and/or appendices and/or any addenda hereto or incorporated herein by reference, as amended from time to time;

1.2 "Business Day" means any day from Monday to Friday excluding Public Holidays as defined in the Public Holidays Act 36 of 1994 ("Public Holidays Act") as amended from time to time;

- 1.3 “Business Week” means five consecutive Business Days, excluding Public Holidays as defined in the Public Holidays Act;
- 1.4 “City” means the City of Tshwane Metropolitan Municipality, a metropolitan municipality established in terms of section 12 of the Local Government: Municipal Structures Act 117 of 1998;
- 1.5 “Contact Persons” means persons identified by the Parties as persons who are responsible for the execution of the Agreement and whose names are set out in clause 29 below and who can be substituted in writing from time to time;
- 1.6 “Contract Price” shall mean the amount reflected as the contract price in clause 9 below;
- 1.7 “Contract Period” means the contract period as reflected in clause 6 below;
- 1.8 “Effective Date” means notwithstanding the Signature Date, 1 July 2016 or the date when the last signing party signs the agreement;
- 1.9 “Intellectual Property” means Patents, Designs, Know-How, Copyright and Trade Marks and all rights having equivalent or similar effect which may exist anywhere in the world, introduced and required by either Party to give effect to their obligations under this Agreement, owned in whole or in part by, or licensed to either Party prior to the Commencement Date or developed after the Commencement Date, and includes all further additions and improvements to the Intellectual Property, otherwise pursuant to this Agreement;
- 1.10 “Month” means a calendar month;
- 1.11 “Parties” means City and Service Provider and “Party” means either of them as the context requires;
- 1.12 “Services” means services to be provided by the Service Provider to the City as detailed in clause 8 below;
- 1.13 “Service Provider” means, a company duly incorporated in accordance with the company laws of the Republic of South Africa with company registration number: 1993/003683/07;
- 1.14 “Signature Date” means the date of signature of this Agreement by the Party signing last;
- 1.15 “Subcontract” means any contract or agreement or proposed contract between the Service Provider and any third party whereby that third party agrees to provide to the Service Provider the Services or any part thereof;
- 1.16 “Subcontractor” means the third party with whom the Service Provider enters into a Subcontract;
- 1.17 “Tax Invoice” means the document as required by section 20 of the Value Added Tax Act 89 of 1991, as amended from time to time; and
- 1.18 “VAT” means Value Added Tax as defined in terms of the Value Added Tax Act of 1991.
- 2 INTERPRETATION
- 2.1 Headings and sub-headings are inserted for information purposes only and shall not be used in the interpretation of this Agreement.
- 2.2 Unless the context clearly indicates a contrary intention, any word connoting:
- 2.2.1 any singular shall be deemed to include a reference to the plural and vice versa;
- 2.2.2 any one gender shall be deemed to include a reference to the other two genders; and
- 2.2.3 a natural person shall be deemed to include a reference to a legal or juristic person.
- 2.3 The expiry or termination of this Agreement shall not affect provisions of this Agreement which expressly provide that they will operate after any such expiry or termination of this Agreement. Provisions of necessity shall continue to have been effective after such expiry or termination of this Agreement, notwithstanding that the clauses themselves do not expressly provide for this.
- 2.4 The rule of interpretation that a written agreement shall be interpreted against the party responsible for the drafting or preparation of that Agreement shall not apply.
- 2.5 Where figures are referred to in numerals and in words and there is any conflict between the two, the words shall prevail.

2.6 Any reference to any legislation is a reference to such legislation as at the Signature Date and as amended or re-enacted, from time to time.

2.7 If any provision in a definition is a substantive provision conferring any rights or imposing any obligations on any party, then notwithstanding that, it is only in this interpretation clause, effect shall be given to it as if it were a substantive provision in this Agreement.

3 APPOINTMENT

The City hereby appoints the Service Provider, who accepts such appointment, to provide the Services in accordance with the terms and subject to the conditions of this Agreement.

4 PURPOSE OF THE AGREEMENT

4.1 The Purpose of this Agreement is to:

4.1.1 formalise and regulate the working relationship between the Parties;

4.1.2 set out the roles and responsibilities of the Parties; and

4.1.3 define process and procedures to be followed by the Parties.

5 RELATIONSHIP

Nothing in this Agreement shall constitute, or be deemed to constitute a partnership or joint venture between the Parties. Furthermore, the Service Provider acknowledges and agrees that its status under this Agreement is that of an independent service provider and its status shall in no way be deemed to be that of an agent or employee of the City, for any purpose whatsoever, and the Service Provider shall have no authority or power to bind the City or to contract in the name of the City, or create a liability against the City in any way or for any purpose.

6 DURATION

This Agreement shall commence on the Effective Date and shall subsist for three (3) years, unless terminated earlier pursuant to clause 26 below.

7 CONTACT PERSON

7.1 The work to be performed by the Service Provider hereunder will be supervised by City's Contact Person referred to in clause 29 below.

7.2 The Parties shall notify each other, in writing from time to time, of the details of their nominated Contact Person.

7.3 The Contact Persons shall liaise and update each other on the progress of the Services rendered and shall endeavour to resolve and remedy any problems or disputes that may arise in relation to the Services.

7.4 Either Party may substitute a Contact Person at its discretion provided that each Party shall give the other Party reasonable notice of such substitution and will provide replacement employees of equivalent ability.

7.5 Without derogating from the foregoing, should either Party replace a Contact Person for any reason whatsoever, it shall ensure, to the greatest extent possible in the circumstances, that the suitable period of hand-over and overlap takes place, at its cost, between the new and the encumbered Contact Person.

8 SCOPE OF GENERAL SERVICES

The Service Provider shall, for the duration of this Agreement, supply, commissioning and maintenance of telemetering equipment for remote monitoring and controlling as and when required as outlined in Annexure "B".

9 PRICE AND PAYMENT

9.1 The City shall pay to the Service Provider a Contract Price

9.2 All payments under this Agreement shall be made by electronic fund transfer or other forms of payment as the Parties may agree from time to time, upon receipt of valid and undisputed Tax Invoices and month-end statements together with the supporting documentation from the Service Provider, once the undisputed Tax Invoices or such portion of the Tax Invoices which are undisputed become due and payable.

9.3 All amounts and other sums payable in terms of this Agreement and Schedules hereto will be stipulated exclusive of VAT, unless expressly stated otherwise.

9.4 Unless otherwise provided in the Schedules, valid Tax Invoices shall be submitted together with a month-end statement. Payment against such month-end statement shall be made by the City within 30 (thirty) days after the date of receipt by the City of the Service Provider's statement together with the relevant valid and undisputed Tax Invoice(s) and supporting documentation, but in any event not later than 90 (ninety) days of receipt of such statement.

9.5 Where the payment of any valid and undisputed Tax Invoice, or any part of the said Tax Invoice which is not in dispute, is not made by the due date, the Service Provider shall be entitled to charge interest on the outstanding amount, at the Standard Bank prime rate of interest in force, for the period from the due date of payment until the outstanding amount is fully paid.

9.6 There shall be no interest levied on a Tax Invoice that is in dispute between the Parties.

9.7 The City shall pay the amount reflected on a Tax Invoice once the City's Contact Person has verified that the Services set out in a schedule have been rendered and the Tax Invoice amount has been approved by the City.

9.8 All Tax Invoices shall be addressed to the City's Contact Person.

9.9 All payments shall be transferred, by the City to the Service Provider electronically into the Service Provider's bank account, the details of which are set out below:

.....
.....
.....

9.10 Failure to comply with the clauses above may result in late payment of the total amount of an invoice by the Service Provider to the City. The City shall not be liable for any costs or damages suffered by the Service Provider as a result of such late payment.

10 PRICE RESTRUCTURING

10.1 The Service Provider shall be subject to a price review every year.

10.2 The City shall embark on a benchmarking exercise every 12 (twelve) months where the City shall benchmark the Service Provider's Contract Price against the prevailing market rates.

10.3 In the event it emerges that the Service Provider's charges in respect of the Contract Price and other charges under this Agreement are materially higher than the reasonable benchmark ascertained by the City or that the City can acquire similar Services of a like quality from another supplier at a total delivered cost that is lower than the total delivered cost of the Services acquired hereunder from the Service Provider, the City shall have the right to notify the Service Provider of such total delivered cost and the Service Provider shall have an opportunity to adjust the Contract Price and any other charges hereunder, on such a basis as to result in the same total delivered cost to the City, within 30 (thirty) calendar days of such notice.

10.4 If the Service Provider fails to do so or cannot legally do so, the City may:

10.4.1 acquire the Services from such other supplier in which case the obligations, including, but not limited to, any purchase and sale requirements and/or commitments, if any, of the City and the Service Provider hereunder shall be reduced accordingly;

10.4.2 terminate this Agreement without any penalty, liability or further obligation; or

10.4.3 continue under this Agreement.

10.5 Within 30 (thirty) calendar days of a notice by the City or at any time the City so requests, the Service Provider shall certify in writing to the City that it is in compliance with this clause and shall provide all information that the City reasonably requests in order to verify such compliance.

11 SERVICE LEVELS

11.1 The Service Provider recognises that the City has entered into this Agreement relying specifically on the Service Provider's representations regarding service levels including, inter alia:

11.1.1 capacity allocations in accordance with the Service to be provided;

11.1.2 all work to be performed and Services rendered under this Agreement shall comply with industry norms and best practice acceptable within the Services industry and shall be executed by the Service Provider to the total satisfaction of the City.

11.2 The Service Provider shall provide suitably qualified and trained employees to provide the Services to the City in terms of this Agreement, and shall allocate, in its discretion employee resources in accordance with the technical skill and knowledge required, provided that any exercise of such discretion by the Service Provider shall not negatively impact on the provision of the Services by the Service Provider to the City, and shall allocate employees with the technical skill and knowledge onsite at the City at all times during normal working hours, if the City so requires.

11.3 Amongst others, the Service Provider shall comply with and provide the Services as set out in clause 8 above.

12 WITHHOLDING OF PERFORMANCE

The Service Provider may not under any circumstances, including, without limitation, non-payment by the City, withhold any Services from the City during the currency of this Agreement, unless it validly terminates this Agreement in terms of clause 26 below.

13 PENALTY

13.1 Should the Service Provider fail to comply with its obligations in terms of this Agreement, the City may:

13.1.1 exercise its rights in terms of clause 25 below; alternatively

13.1.2 impose a penalty on the Service Provider.

13.2 An election of any of the above by the City shall not mean that the City has waived any other rights which the City might have in law.

13.3 Should the City elect to impose a penalty on the Service Provider, the City shall provide the Service Provider with a written notice requiring the Service Provider to remedy the default within 7 (seven) days from the date of delivery of the notice.

13.4 Should the Service Provider fail to remedy the default within 7 (seven) days after receiving the notice, then the City shall be entitled, without prejudice to any alternative or additional right of action or remedy available to the City and without further notice, impose a penalty, which penalty shall be a deduction of 10% of the monthly Contract Price for the Contract Period; and for the avoidance of doubt, the penalty amount shall be 10% of the monies due for payment to the Service Provider monthly in terms of clause 9 above.

13.5 Should there be a dispute as to whether the failure to deliver was caused by the City or was the Service Provider's fault such dispute shall be dealt with in accordance to clause 27 below.

14 ACCESS

14.1 The City shall allow the Service Provider reasonable access to its premises, provided that:

14.1.1 access is related to the Services to be provided by the Service Provider; and

14.1.2 the Service Provider adheres to all rules, regulations and instructions applicable at the City's premises.

14.2 The Service Provider is required to notify the City monthly of employees who are to provide Services at the Service Areas and/or Delivery Areas.

14.3 The City shall grant the Service Provider and/or its employees, referred in clause 14.2 above, access to its premises to perform its obligations in terms of this Agreement.

14.4 The Service Provider and its employees shall at all time when entering the premises and/or Service Areas and/or Delivery Areas of the City comply with all rules, laws, regulations and policies of the City.

15 INSPECTION

15.1 The City may at any time inspect the Goods and/or Services levels of the Service Provider in terms of this Agreement.

15.2 If the City is, at any time, dissatisfied with the service levels then the Service Provider shall, within 7 (seven) days, notify the Service Provider in writing of the failure or default.

15.3 The Service Provider shall immediately upon receipt of written demand by the City, remedy such failure or default, within 7 (seven) Business Days from the date of receipt of the notice, free of charge.

15.4 Should the Service Provider fail to remedy the failure or default referred to above then the City shall have the right to impose penalties as provided for in clause 12 above or invoke the provisions of clause 25 below.

15.4.1 To enable the City to determine whether the Goods and/or Services rendered in terms of this Agreement are being complied with the Service Provider shall:

15.4.1.1 provide the City with such information as it may reasonably require;

15.4.1.2 allow the City to inspect and take copies of any records of the Service Provider relating to the Goods and/or Services, including all hardware, software, data, information, visuals, procedures, event logs, transaction logs, audit trails, books, records, contracts and correspondence; and

15.4.1.3 allow the City or its authorised representatives to conduct interviews with any of the Service Provider's employees, subject to reasonable notice being given to the Service Provider.

15.5 Service Provider to Provide Reasonable Assistance

15.5.1 Where any information is required for inspection in terms of this clause and the information is kept in a computer, the Service Provider shall give the City reasonable assistance required to facilitate inspection and obtain copies of the information in a visible and legible form or to inspect and check the operation of any computer and any associated apparatus or material that is or has been in use in connection with the keeping of the information.

15.5.2 Any information required to be provided to the City pursuant to this clause 15 shall be provided by the Service Provider, as the case may be in such form (including a form otherwise than in writing) as the City may reasonably specify.

15.5.3 The cost of any inspection contemplated in terms of this clause 15 shall be for the account of the City unless any material irregularity or failure on the part of the Service Provider is determined by the City in the course of such inspection.

15.6 The inspection contemplated in this Agreement will be conducted:

15.6.1 during normal business hours;

15.6.2 save where the circumstances justify it, on reasonable notice to the Service Provider; with the minimum interference in the provision of the Services and the Service Provider's other operations.

16 SERVICE PROVIDER'S WARRANTIES AND INDEMNITIES

16.1 Service Warranties

16.1.1 The Service Provider warrants that in relation to each Service provided in terms of this Agreement:

16.1.1.1 it has full capacity and authority to enter into and perform this Agreement, and that this Agreement is executed by duly authorised representatives of the Service Provider;

16.1.1.2 it possesses or has access to the requisite knowledge, skill and experience to provide the Services in an expert manner;

16.1.1.3 it will discharge its obligations under this Agreement and any annexure, appendix or Schedule hereto with all due skill, care and diligence;

16.1.1.4 all work performed and Services rendered under this Agreement shall comply with prevailing practice, standards and specifications within the industry;

16.1.1.5 it will be solely responsible for the payment of remuneration and associated benefits, if any, of its Personnel and for withholding and remitting income tax for its Personnel in conformance with any applicable laws and regulations;

16.1.1.6 the use or possession by the City of any Materials will not subject the City to any claim for infringement of any Intellectual Property Rights of any third party;

16.1.1.7 with promptness and diligence and in a skilful manner and in accordance with the practices and professional standards of operations while performing Services and/or delivering Goods and/or similar to the Services and/or Goods;

16.1.1.8 which Services and/or Goods will in all aspects comply with industry norms and best practice to the satisfaction of the City with regard to materials and workmanship;

- 16.1.1.9 using and adopting any standards, processes and procedures required under this Agreement;
- 16.1.1.10 warranting that it shall employ suitably qualified and trained employees to provide the Services and/or Goods to the City and it shall allocate employees in accordance with the technical skill and knowledge required;
- 16.1.1.11 free from any defects in material and workmanship;
- 16.1.1.12 maintaining and causing to be maintained the highest standard of workmanship and care in undertaking the Services and/or processing the Goods;
- 16.1.1.13 maintaining and caused to be maintained the highest standard of care and diligence in providing the Services, maintenance and support;
- 16.1.1.14 ensuring that all applicable laws are observed;
- 16.1.1.15 without derogating from the generality of the foregoing, strictly adhering to any or all laws, regulations and accepted procedures with regard to health, hygiene and the maintaining of the environment in the manufacture, packaging, labelling, identification, storage and transportation of the Goods.
- 16.1.1.16 guaranteeing that the Goods shall be in good working condition for the warranty and/ or maintenance period of the Goods, and that the Service Provider shall be responsible for the costs of repair of the Goods should the Goods require to be repaired to their normal use.

16.2 Indemnity

16.2.1 The Service Provider hereby indemnifies the City against any claim which may be brought against the City by the Service Provider's personnel or a third party arising from the execution of this Agreement alternatively which arises against the City as a result of the Service Provider's breach of any of the provisions of this Agreement, provided that the City shall notify the Service Provider in writing within a reasonable time, and in any event not less than 14 (fourteen) Business days of the City becoming aware of any such claim to enable the Service Provider to take steps to contest it and shall provide the Service Provider with such reasonable assistance as may be necessary to enable the Service Provider to defend the claim to the extent only that it is in a position to render such assistance. The Service Provider may, within 5 (five) Business Days of receipt of written notice from the City aforesaid, elect in writing to contest such a claim in the name of the City and shall be entitled to control the proceedings in regard thereto, provided that the Service Provider indemnifies the City against all and any costs (including attorney and own client costs) which may be incurred by or awarded against the City as a consequence of the defence of the claim.

17 SERVICE PROVIDER'S PERSONNEL

17.1 Liability for Criminal Acts of Employees

The Parties shall be liable to each other for any loss that the Party or any third party may suffer as a result of any theft, fraud or other criminal act of any employee of the Party which arises within the course and scope of such employees' employment with that Party.

17.2 Character of Employees

17.2.1 Due to the confidential nature of certain aspects of the Services and the position of trust which the Service Provider's employees will fulfil, the Service Provider hereby undertakes to use its best commercial endeavours to ensure that it only assigns to the City employees who are fit and proper persons and who display the highest standards of personal integrity and honesty and who have not, to their knowledge, being convicted of any crime.

17.2.2 The Service Provider shall, at its own cost, conduct all reasonable background checks into members of its employees prior to utilizing same to provide the Services in terms of this Agreement.

17.3 The City shall conduct all reasonable background checks into the Service Provider's employees from time to time, where it deems it necessary to do so.

18 STATUTORY AND EMPLOYMENT ISSUES

18.1 The Service Provider shall comply with all employment legislation

18.1.1 The Service Provider warrants that it has full knowledge of all relevant statutory, collective and other stipulations applicable to the relationship with its personnel and its relationship with the

City. This includes, but is not limited to, the Labour Relations Act, the Basic Conditions of Employment Act, 1977, the Employment Equity Act, 1998 and any other applicable employment legislation currently in force.

18.1.2 The Service Provider warrants further that it is not and will not in future be in contravention of any of the provisions of any such legislation and in the event of such contravention, the Service Provider shall immediately take all steps to remedy such contravention. If the City advises the Service Provider of any contravention of such legislation in writing, the Service Provider shall, within 10 (ten) days after receipt of such notice, take all steps necessary to remedy such contravention and shall keep the City informed regarding the steps taken and the implementation and the result thereof.

18.2 No employment

The Service Provider warrants that none of its personnel shall be regarded as employees of the City. The Service Provider shall assist to defend and bear all costs in the event that the City is required to defend a claim, whether civil or employment related, instituted against it by the Service Provider's personnel should the City defend the matter, the Service Provider hereby indemnifies the City against all and any costs (including attorney and own client costs) which may be incurred by or awarded against the City as a consequence of the defence of the claim.

18.3 Occupational Health and Safety Act, 1993

The Service Provider shall be responsible for ensuring compliance with all the provisions of the Occupational Health and Safety Act, 1993 and it indemnifies the City against any claim which may arise in respect of such Act by its personnel against the City.

19 SUB CONTRACTING

19.1 The Service Provider may not Subcontract the whole of or any portion of the Services in terms of this Agreement to any third party without the prior consent of the City.

19.2 In the event the Service Provider wishes to Subcontract the whole of or any portion of the Services in terms of this Agreement, it shall apply to the City in writing for consent to do so.

19.3 In its application, the Service Provider shall give the name of the Subcontractor, the Subcontractor's obligations, the proposed date of commencement of the Subcontract which shall include the fees payable to the Subcontractor, and a report of the background security check on the Subcontractor's suitability, financial and otherwise.

19.4 The City may, in its sole and absolute discretion refuse consent to Subcontract. In the event the City approves the Subcontracting of the whole of or any portion of the Services in terms of this Agreement, then:

19.4.1 the Service Provider shall ensure that the Subcontractor's B-BBEE level is equal or better than that of the Service Provider, their price is competitive and they have the capacity to provide the Service;

19.4.2 such Subcontracting shall not absolve the Service Provider from responsibility for achieving the Service Levels or complying with its obligations in terms of this Agreement and the Service Provider hereby indemnifies and holds the City harmless against any loss, harm or damage which the City may suffer as a result of such Subcontracting;

19.4.3 the Service Provider shall at all times remain the sole point of contact for the City in respect of the acquisition of Services by the City; and

19.4.4 no such Subcontracting shall have any effect on the Contract Price and charges payable by the City to the Service Provider in terms of this Agreement.

20 CONFIDENTIALITY

20.1 The Service Provider acknowledge that all information relating to the City confidential business and technical information, data, documents or other information necessary or useful for the carrying on by the City of its business which shall include, but shall not be limited to operating procedures, quality control procedures, approximate operation personnel requirements, descriptions and trade names and trademarks, know how, techniques, technology, information relating to clients, customers, suppliers, relevant authorities, copyright, trade secrets and all

goodwill relating to the business and any other intellectual property rights, technical data and documents in whole or in part, used by the City in respect of its business; ("Confidential Information"), shall remain confidential and shall not be made known unless the City has given written consent to do so.

20.2 The information provided by the City in the context of this Agreement is Confidential Information and the Service Provider shall take all reasonable measures to keep the information confidential and will only use the information for the purpose for which it was provided.

20.3 The Service Provider undertakes to not disclose any such Confidential Information. However, there will be no obligation of confidentiality or restriction on use where:

20.3.1 the information is publicly available, or becomes publicly available otherwise than by action of the receiving Party; or

20.3.2 the information was already known to the receiving Party (as evidenced by its written records) prior to its receipt under this or any previous agreement between the Parties or their affiliates; or

20.3.3 The information was received from a third Party not in breach of an obligation of confidentiality.

21 INTELLECTUAL PROPERTY RIGHTS

21.1 All Intellectual Property Rights of the Contractor and/or third party vest in the Contractor and/or third party, as appropriate.

21.2 All rights in the City name and logo remain the absolute property of the City.

21.3 The Contractor warrants that no aspect of the Services provided in terms thereof will infringe any Patent, Design, Copyright, Trade Mark or trade secret or other proprietary right of any third party.

21.4 The Contractor shall promptly notify the City, in writing, of any infringement or apparent or threatened infringement or any circumstances which may potentially give rise to an infringement, or any actions, claims or demands in relation to any Intellectual Property Rights.

21.5 In the event the City becomes aware of any such infringement, the Contractor shall, at its cost, defend the City against any claim that the Services infringe any such third party Intellectual Property Rights, provided that the City gives notice to the Contractor of such claim and the Contractor controls the defence thereof. The Contractor further indemnifies the City against, and undertakes that it will pay all costs, damages and attorney fees, if any, finally awarded against the City in any action which is attributable to such claim and will reimburse the City with all costs reasonably incurred by the City in connection with any such action.

21.6 Should any claim be made against the City by any third party in terms of clause 21.1 above, the City shall give the Contractor written notice thereof within 3 (three) days of becoming aware of such claim to enable the Contractor to take steps to contest it.

21.7 Should any third party succeed in its claim for the infringement of any third party proprietary rights, the Contractor shall, at its discretion and within 30 (thirty) days of the Services having been found to infringe, at its own cost:

21.7.1 obtain for the City the right to continue using the subject of infringement or the parts thereof which constitute the infringement; or

21.7.2 replace the subject of infringement or the parts thereof which constitute the infringement with another product or service which does not infringe and which is materially similar to the subject of infringement; or

21.7.3 alter the subject of infringement in such a way as to render it non infringing while still in all respects operating in substantially the same manner as the subject of infringement; or

21.7.4 withdraw the subject of infringement.

22 FORCE MAJEURE

22.1 For the purposes hereof, Force Majeure shall mean civil strife, riots, insurrection, sabotage, national emergency, acts of war of public enemy, rationing of supplies, flood, storm, fire or any

other like forces of nature beyond the reasonable control of the party claiming Force Majeure and comprehended in the terms thereof.

22.2 If Force Majeure causes delays in or failure or partial failure of performance by a Party of all or any of its obligations hereunder, this Agreement shall be suspended for the period agreed in writing between the Parties.

22.3 In the event of circumstances arising which the other Party believes that it constitutes a Force Majeure ("the Affected Party") then such Affected Party shall send, within 5 (five) days from the interrupting circumstances, a written notice of the interrupting circumstances specifying the nature and date of commencement of the interrupting event to the other Party. The Parties shall agree, in writing, to suspend the implementation of this Agreement for a specific period ("Agreed Period").

22.4 In the event that both Parties reasonably believe that the Affected Party shall be unable to continue to perform its obligations after the Agreed Period, then either Party shall be entitled to terminate this Agreement without further notice to the other Party.

22.5 The Party whose performance is interrupted by the interrupting circumstances shall be entitled, provided that such party shall have given notice to that effect with a written notice of the interrupting circumstances as provided above, to extend the period of this Agreement by a period equal to the time that its performance is so prevented.

23 CESSATION

The Service Provider shall not be entitled to cede or assign or transfer in any other way and/or alienate its rights and obligations in terms of this Agreement without the prior written consent of the City.

24 CHANGE OF CONTROL / CIRCUMSTANCE

24.1 The Service Provider shall notify the City, in writing, of any change in the Service Provider's shareholding or membership or any change in the Service Provider's subsidiary companies or holding or its affiliates such change shall be considered a material change in the constitution and identity of the Service Provider. The City may terminate this Agreement upon becoming aware of such material change.

24.2 The Parties agree that should there be a change as envisaged in clause 24.1 above, the Service Provider will no longer exist and a new third party/entity shall have been constituted. In this regard, such third party shall not be entitled to inherit any of the Service Provider's rights and obligations in terms of this Agreement, which will only be transferred to the new entity in writing by the City following the City's satisfaction and approval in writing of such new entity.

24.3 The Service Provider shall further notify the City of any material changes or circumstance which might have led the City to appoint the Service Provider to Provide the Goods and/or Services. In the event that any material change or circumstance occurs and the Service Provider fails to inform the City of such a change or circumstance, the Service Provider shall be deemed to have breached a material term of this Agreement and the City shall be entitled to cancel the Agreement on 1 (one) month's prior notice.

25 BREACH

25.1 Subject to clause 24.3 above, should either Party commit a breach of any term of this Agreement ("the Defaulting Party") then the affected party ("Aggrieved Party") shall be entitled to inform the Defaulting Party in writing to remedy such failure or default within 5 (five) Business Days and should the Defaulting Party fail to remedy the breach within 5 (five) Business Days after receipt of the notice the so Aggrieved Party shall be entitled, without prejudice to any of its rights under this Agreement or law to:

25.1.1 immediately terminate this Agreement without giving written notice and claim damages (which shall include legal costs on an attorney/client scale); or

25.1.2 request specific performance and claim damages (which shall include legal costs on an attorney/client scale); or

25.1.3 impose penalties as provided for in clause 13 above.

26 EARLY TERMINATION

The City shall have the right to terminate this Agreement by giving 30 (thirty) days' notice in writing to the Service Provider of its intention to terminate the Agreement.

27 DISPUTES

27.1 Save for clause 25 above or any other clause in this Agreement which provides for its own remedy, should any dispute arise between the Parties in respect of or pursuant to this Agreement, including, without limiting the generality of the foregoing, any dispute relating to:

27.1.1 the interpretation of the Agreement;

27.1.2 the performance of any of the terms of the Agreement;

27.1.3 any of the parties' rights and obligations;

27.1.4 any procedure to be followed;

27.1.5 the termination or cancellation or breach of this Agreement; or

27.1.6 the rectification or repudiation of this Agreement; then any Party may give the other Party written Party written notice of such dispute, in which event the provisions below shall apply.

27.2 Within 7 (seven) days of the declaration of such dispute, the Parties representatives or their nominated persons shall meet in the spirit of goodwill and endeavour to resolve the dispute, failing which (and without prejudice to any other alternative dispute resolution to which the Parties may agree, either prior to or concurrently with arbitration) the provisions of clause 26 above shall apply.

27.3 If the Parties are unable to resolve the dispute within 14 (fourteen) days of the notice of the dispute (or such longer period as they may have agreed to in writing), then either Party may, on written notice to the other Party, require that the dispute be submitted to and decided by arbitration, in terms of the Arbitration Act, 42 of 1965 of South Africa ("the Arbitration Act").

27.4 The arbitration shall be held under the provisions of the Arbitration Act provided that the arbitration shall be:

27.4.1 at any place which the Parties agree, in writing, to be mutually convenient.

27.4.2 in accordance with such formalities and/or procedures as may be settled by the arbitrator and may be held in an informal and summary manner, on the basis that it shall not be necessary to observe or carry out the usual formalities of procedure, pleadings and/or discovery or respect rules of evidence.

27.5 If the arbitration is:

27.5.1 a legal matter, then the arbitrator shall be a practicing advocate or a practicing attorney of not less than 10 (ten) years' standing;

27.5.2 an accounting matter, then the arbitrator shall be a practicing chartered accountant of not less than 10 (ten) years' standing;

27.5.3 any other matter, then the arbitrator shall be any independent person agreed upon between the parties.

27.6 Should the Parties fail to agree on an arbitrator within 14 (fourteen) days after the arbitration has been demanded, then the arbitrator shall be nominated at the request of either of the Parties, by the president for the time being of the Law Society of the Northern Provinces.

27.7 Should the Parties fail to agree whether the dispute is of a legal, accounting or other nature within seven (7) days after the arbitration has been demanded, then it shall be deemed to be a dispute of a legal nature.

27.8 The arbitrator may:

27.8.1 investigate or cause to be investigated any matter, fact or thing which he considers necessary or desirable in connection with the dispute and for that purpose, shall have the widest powers of investigating all documents and records of any party having a bearing on the dispute;

27.8.2 interview and question under oath the parties of any of their representatives;

27.8.3 decide the dispute according to what he considers just and equitable in the circumstances; and

27.8.4 make such award, including an award for specific performance, damages or otherwise, as he in his discretion may deem fit and appropriate. The arbitration shall be held as quickly as possible

after it is requested, with a view to it being completed within thirty (30) days after it has been so requested.

27.9 The arbitrator's decision and award shall be in writing with reasons and shall be final and binding upon the Parties.

27.10 The arbitrator's award may, on application by either Party to a court of competent jurisdiction and after due notice is given to the other Party, be made an order of court.

27.11 Notwithstanding the provisions of clauses 27.1, 27.2, 27.3, 27.4, 27.5, 27.6 and 27.7 above, in the event of either Party having a claim against the other Party for a liquidated amount or an amount which arises from a liquid documents, or for an interdict or other urgent relief, then the other Party having such a claim shall be entitled to institute action therefore in a court of law rather than in terms of the above clauses, notwithstanding the fact that the other Party may dispute the claim.

27.12 The provisions of this clause 27 are severable from the rest of this Agreement and shall remain in effect even where this Agreement is terminated or cancelled for any reason.

28 LAWS AND JURISDICTION

28.1 This Agreement shall be governed by and interpreted according to the Law of the Republic.

28.2 Each Party submits to the exclusive jurisdiction of the South African courts in respect of any matter arising from or in connection with this Agreement including its termination. Each Party further consents to the jurisdiction of the High Court of South Africa (North Gauteng High Court (Pretoria)).

29 NOTICES AND COMMUNICATIONS

29.1 The Parties choose as their respective domicilium citandi et executandi (hereinafter referred to as the "domicilium") and for the delivery of any notices arising out of the Agreement or its termination or cancellation, whether in respect of court process, notices or other documents or communications of whatsoever nature (including the exercise of any option), the address set out below:

29.1.1 THE CITY:

225 Madiba Street

Capitol Towers North Bldg

Pretoria

Attention: Mr Stephens Notoane

Telephone: 012 358 7733

Fax: 086 643 1362

Email: steven@tshwane.gov.za

29.1.2 THE SERVICE PROVIDER:

.....
.....
.....
.....

29.2 Each Party shall be entitled from time to time, by written notice to the other Party, to vary its domicilium to any other address which is not a Post Office Box or a Poste Restante.

29.3 Any notice given and any payment made by any Party to another Party (hereinafter referred to as "the addressee") which:

29.3.1 is delivered by hand during normal business hours of the addressee at the addressee's domicilium, shall be deemed, until the contrary is proved by the addressee, to have been received by the addressee at the time of delivery;

29.3.2 is posted by prepaid registered post to the addressee at the addressee's domicilium shall be deemed, until the contrary is proved by the addressee, to have been received on the 7th (seventh) day after the date of posting.

29.3.3 is sent by email or facsimile machine shall be deemed, until the contrary is proven by the addressee, to have been received within 1 (one) hour of transmission where it is transmitted during

business hours of the receiving instrument and at noon on the following business day (excluding Saturdays) where it is transmitted outside such business hours.

29.4 Any notice or communication required or permitted in terms of this Agreement shall be valid and effective only if in writing but it shall be competent to give notice by facsimile.

29.5 Notwithstanding anything to the contrary in this Agreement a notice or communication actually received by one Party shall be an adequate notice or communication notwithstanding that it was not sent to or delivered at the chosen domicilium citandi et executandi.

30 GENERAL AND MISCELLANEOUS

30.1 SOLE RECORD OF AGREEMENT

This Agreement constitutes the sole record of the agreement between the parties with regard to the subject matter hereof. No party shall be bound by any express or implied term, representation, warranty, promise or the like not recorded herein.

30.2 NO AMENDMENT EXCEPT IN WRITING

No addition to, variation of, or agreed cancellation of, this Agreement shall be of any force or effect unless in writing and signed by or on behalf of the parties. Any alleged waiver of this requirement must itself be reduced to writing and signed by the relevant party to be of any effect.

30.3 WAIVERS

No relaxation or indulgence which any party may grant to any other shall constitute a waiver of the rights of that party and shall not preclude that party from exercising any rights which may have arisen in the past or which might arise in future.

30.4 SURVIVAL OF OBLIGATIONS

Any provision of this Agreement which contemplates performance or observance subsequent to any termination or expiration of this Agreement shall survive any termination or expiration of this Agreement and continue in full force and effect.

30.5 APPROVALS AND CONSENTS

An approval or consent given by a party under this Agreement shall only be valid if in writing and shall not relieve the other party from responsibility for complying with the requirements of this Agreement nor shall it be construed as a waiver of any rights under this Agreement except as and to the extent otherwise expressly provided in such approval or consent, or elsewhere in this Agreement. Any alleged waiver of the requirement that the approval or consent must be in writing must itself be reduced to writing and signed by the relevant party to be of any effect.

31 EXECUTION

31.1 This Agreement may be executed in several counterparts, which shall each be deemed an original, but all of which shall constitute one and the same instrument. A facsimile shall constitute a valid counterpart for all purposes hereunder.

31.2 The signatories to this Agreement by their signature warrant their authority to enter into this Agreement and the capacity of their principal, if signing in a representative capacity, to enter into this Agreement.

Signed at on this day of 20....

Witnesses

1.

2.

..... for and on behalf of the City of Tshwane Metropolitan Municipality, and duly authorised.

Signed at on this day of 20....

Witnesses

1.

2.

_____ for and on behalf of _____, and duly authorised.

ANNEXURE "A"

RESOLUTION OF THE BOARD

Resolution by the Board of Directors of _____ made at a meeting held at _____ on _____ 20____.

NOTED: THAT _____ intends to enter into an Agreement with the City of Tshwane Metropolitan Municipality in terms of which _____ shall provide various services (the "Agreement") on the terms and subject to the conditions of the Agreement to which this resolution is attached as Annexure "A".

RESOLVED:

THAT _____ approves and enters into the Agreement on the terms and subject to the conditions of the Agreement to which this resolution is attached.

THAT _____ in his capacity as a _____ of _____, be and is hereby authorised to negotiate, settle and sign the Agreement attached hereto, and to sign all documentation and do all things necessary to give effect to the aforesaid resolutions on behalf of _____.

Read and Confirmed
Chairman/Company Secretary