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City of Johannesburg

Johannesburg Water SOC Ltd

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<u>ADDENDUM</u>	No. 01
<u>CONTRACT NUMBER:</u>	JW14508
<u>CONTRACT TITLE:</u>	MAYFAIR WATER PIPE REPLACEMENT
<u>SUBJECT</u>	Addendum 1
<u>Date</u>	15 May 2026
<u>Sender</u>	<u>Nthabiseng Matabane</u> email -Nthabiseng.matabane@jwater.co.za

Tenderers are required to incorporate the following and return the Addendum:

- The evidence requirement under the Technical Evaluation was captured as follows: “Record of completed projects accompanied with Contractor letter of appointment, completion certificate/final approval certificate and supported with contactable references.”

When read as drafted, the wording may be interpreted to mean that, in addition to the required supporting documents i.e. the Contractor letter of appointment, completion certificate/final approval certificate and contactable references, bidders were also required to submit a separate “Record of completed projects.” However, the submission of a separate record of completed projects was not an intended requirement, nor was it listed elsewhere (Evaluation criteria and reference letters) in the tender document under the required documents to be submitted.

- The documentation required under Mandatory Evaluation (Financial Capacity) was captured as follows: “submit not older than thirty (30) days Bank-stamped bank statements (only the page that shows the balance), bank-stamped overdraft facilities and bank-stamped confirmation letter. For this requirement, contractors are required to demonstrate to have a minimum of 10% of the amount indicated in the form of offer excluding VAT and contingencies”

Currently, the statement may be perceived as though the bidders are requested to submit both the bank-stamped bank statements “and” bank-stamped overdraft facilities. However, the bidders are requested to submit one of these documents that will substantiate that they have a minimum of 10% of the amount indicated in the form of offer excluding VAT and contingencies.

Directors:

Ms Dineo Majavu (Chairperson), Mr Ntshavheni Mukwevho (Managing Director and Executive Director), Mr Kgaugelo Mahlaba (Chief Financial Officer and Executive Director), Mr Sipho Mthembu, Ms Zandile Meeleso, Mr Pholoso Matjele, Mr Molate Mashifane, Mr Collen Sambo, Mr Makoko Makgonye, Ms Thabiso Kutumela, Mr Kefiloe Mokoena

Ms Kethabile Mabe (Company Secretary),
Johannesburg Water SOC Ltd
Registration Number: 2000/029271/30



It was therefore necessary to rephrase the statement to ensure clarity and proper understanding of the requirements, thereby enabling bidders to submit compliant information accordingly.

- **the following amendments to the Bill of Quantities:**

- d) Schedule 1: Preliminary & General (Dayworks)
 - Omission of the quantity on the sub-heading “Conservancy/Water Tankers” and the addition of item no. “1.4.5” for sub-heading “Conservancy/Water Tankers”
 - Correction of item no. 1.4.5 to 1.4.6 – sub-heading “Excavation (Crawler excavation)”
 - Correction of item no. 1.4.6 to 1.4.7 – sub-heading “TLB’s (Tractor Load Backhoe)”
 - Correction of item no. 1.4.7 to 1.4.8 – sub-heading “Walk behind vibrating rollers”
 - Correction of item no. 1.4.8 to 1.4.9 – sub-heading “Compactors”
 - Correction of item no. 1.4.9 to 1.4.10 – sub-heading “Portable water pumps”
- e) Schedule 5: Medium Pressure Pipelines
 - Addition of a sub-heading “Steel End Caps Fusion Bonded Epoxy coated 250 microns to suit High Impact mPVC piping including thrust block” under item 5.4.7
- f) Schedule 6: Erf Connections (Water)
 - Correction of sub-heading of item 6.1.1 to state “Using open trench construction (Short Connections)”
 - Correction of sub-heading of item 6.1.2 to state “Using trenchless methods Horizontal Directional Drilling (The following rates should cover everything except launch and reception pits (long Connections)”
 - Removal of item iv) “32mm Class B above ground bulk meter (rate to include all fittings for connecting to the erf connection as per detail JW100-DET009—W01” under sub-section “supply and install meters complete with couplings.
 - Change in the quantity of item 6.4-iii) from 8 to 26
 - Change in sub-heading item no. v) “40mm Class B above ground (in a box) domestic water meters (rate to include all fittings for connecting to the erf connection)” to iv
 - Change in sub-heading item no. vi) “50mm Class B above ground bulk water meters (rate to include all fittings for connecting to the erf connection as per detail JW100-DET09-W01” to v
 - Change in sub-heading item no. vii) “63mm Class B above ground bulk water meters (rate to include all fittings for connecting to the erf connection as per detail JW100-DET09-W01” to vi

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- Change in sub-heading item no. viii "80mm Class B above ground bulk water meters (rate to include all fittings for connecting to the erf connection as per detail JW100-DET09-W01" to vii
- Change in sub-heading item no. xi "100mm Class B above ground bulk water meters (rate to include all fittings for connecting to the erf connection as per detail JW100-DET09-W01" to viii
- **Extension of closing date from 19 May 2026 to 01 June 2026 at 10H30 am.**

Yours faithfully

16/05/2026

Mabu Manaka
General Manager: Supply Chain Management

<p>Addendum Received</p> <p>Name of Tenderer:.....</p> <p>Signatory:.....</p> <p>Signature:.....</p> <p>Date:.....</p>

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Contract JW14508
MAYFAIR WATER PIPE REPLACEMENT
Volume 1 Tender and Contract
Section T1 Tender and Contract



Clause Number	Tender Data																																		
	<p>(ii) In the event that the Tenderer rejects the identified correction(s), JW must review the Tenderer's motivation and risks associated with the proposed change.</p> <p>This is not an opportunity for Tenderers to change the bid offer. A bidder that does not agree to the above will be disqualified.</p> <p>Risk related to the Arithmetic Corrections shall be assessed. Where risks are identified, tenderers shall provide JW with any other material or information that has a bearing on the tender offer, the tenderer's commercial position (including joint venture agreements), quotations preferencing arrangements or samples of materials considered necessary by JW for the purpose of a full and fair risk assessment.</p> <p>Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the JW request or fails to attend any meeting in which it has been formally invited to clarify any issue, the tender offer will be regarded as non-responsive.</p>																																		
C.3.11	<p>Tenderer to complete, sign and return MBD6.1 with the tender submission. Tenderer to claim the points in the space provided and submit documentary evidence to support the points claimed for specific goals.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 30%;">Stage</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Stage 1</td> <td>Mandatory Evaluation</td> </tr> <tr> <td>Stage 2</td> <td>Administrative Evaluation</td> </tr> <tr> <td>Stage 3</td> <td>Technical Evaluation</td> </tr> <tr> <td>Followed by</td> <td>Specific Goals and Pricing Evaluation</td> </tr> </tbody> </table> <p>Stage 1: Mandatory Evaluation</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th colspan="2" style="text-align: center;">Description</th> <th colspan="2" style="text-align: center;">Complied</th> </tr> <tr> <th style="width: 5%;">No</th> <th style="width: 75%;">Description</th> <th style="width: 10%;">Yes</th> <th style="width: 10%;">No</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>CIDB grading 8CE or higher. Active Status at the required CIDB grading at the time of Evaluation</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">2</td> <td>Attendance of Mandatory Tender Briefing Meeting</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">3</td> <td>Form of Offer Completed and Signed</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">4</td> <td>Financial Capacity: Submit not older than 30 days Bank-stamped bank statements (only the page that shows the balance) and/or bank-stamped overdraft facilities and bank-stamped bank confirmation letter. For this requirement, contractors are required to demonstrate to have a minimum of 10% of the amount indicated in the form of offer excluding VAT and contingencies. Failure to comply with this requirement will be deemed as non-compliance by the contractor and will be disqualified immediately.</td> <td></td> <td></td> </tr> </tbody> </table> <p>Tenderers who FAIL to meet the mandatory criteria or requirements of tender will result in disqualification.</p>	Stage	Description	Stage 1	Mandatory Evaluation	Stage 2	Administrative Evaluation	Stage 3	Technical Evaluation	Followed by	Specific Goals and Pricing Evaluation	Description		Complied		No	Description	Yes	No	1	CIDB grading 8CE or higher. Active Status at the required CIDB grading at the time of Evaluation			2	Attendance of Mandatory Tender Briefing Meeting			3	Form of Offer Completed and Signed			4	Financial Capacity: Submit not older than 30 days Bank-stamped bank statements (only the page that shows the balance) and/or bank-stamped overdraft facilities and bank-stamped bank confirmation letter. For this requirement, contractors are required to demonstrate to have a minimum of 10% of the amount indicated in the form of offer excluding VAT and contingencies. Failure to comply with this requirement will be deemed as non-compliance by the contractor and will be disqualified immediately.		
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Employer:		Contractor:	
Witness:		Witness:	



CONTRACT JW14508
MAYFAIR WATER PIPE REPLACEMENT
TENDERING DATA
Volume 1 Tender and Contract
Section T1 Tender and Contract



Clause No.	<u>Tender Data</u>						
	<p><u>Stage 3: Technical Evaluation</u></p> <p>The following aspect will be considered during the Technical Evaluation:</p>						
	Criteria No #	Criteria	Evidence	Sub-Criteria/Clause		Max Score	Score
	1.	Tenderers' Experience with Respect to Water Pipe Laying (reticulation or bulk pipe laying) projects with a minimum construction value of R30M (Incl VAT) per project.	<p>Supporting Documents Required for completed projects are Contractor's letter of appointment, completion certificate / final approval certificate and supported with contactable references in section T2.1.7.</p> <p><i>If the completed project was subcontracted, the following is required:</i></p> <ol style="list-style-type: none"> <i>1. Main Contractor's letter of appointment</i> <i>2. Main Contractor's completion/final approval certificate</i> <i>3. Subcontractor's letter of appointment</i> 	<p>NUMBER OF COMPLETED WATER PIPE LAYING (RETICULATION OR BULK PIPE LAYING) PROJECTS WITH A MINIMUM CONSTRUCTION VALUE OF 30 MILLION RAND (INCL VAT) PER PROJECT</p>	<p>No submission, 0 (zero) completed projects or project(s) completed have a value less than R30 million each</p> <hr/> <p>1 (one) completed project with a value of a minimum of R30 million each but less than R60 million</p> <hr/> <p>2 (two) completed projects with a value of a minimum of R30 million each OR 1 (one) completed project with a minimum of R60 million</p> <hr/> <p>3 (three) completed projects with a minimum value of R30 million each OR</p>	100	<p>0</p> <hr/> <p>25</p> <hr/> <p>50</p> <hr/> <p>75</p>

Employer:		Contractor:	
Witness:		Witness:	



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Clause No.	<u>Tender Data</u>					
			4. Subcontractor's completion/final approval certificate 5. Reference letter provided by the Main Contractor		2 (two) completed projects with a minimum of R30 million each, with a cumulative value of a minimum of R90 million 4 (four) or more projects completed with a minimum of R30 million each OR 3 (three) or more completed projects with a minimum of R30 million each, with cumulative value of a minimum of R120 million	100
					MINIMUM QUALIFYING SCORE	75
					TOTAL	100
Tenderers who FAIL to meet the technical criteria or requirements (75 minimum Score) of tender will be disqualified.						

Employer:		Contractor:	
Witness:		Witness:	

Item No.	Payment Clause	Description	Unit	Qty	Rate	Amount
1	8.3	FIXED-CHARGE ITEMS				
1.1	8.3.1	Contractual requirements	Sum	1		
1.1.1	8.3.2	Provision of facilities on site:				
1.1.2	8.3.2.1	1) Facilities for Engineer:				
		a)Engineers Office Type 2 and parking (No.=2)	Sum	1		
		b)Nameboards (No=2)	Sum	1		
		c) Meeting room Type 1	Sum	1		
		d) Latrine facilities	Sum	1		
1.1.3	8.3.2.2	2) Facilities for the Contractor				
		a) Offices and storage sheds	Sum	1		
		b) Ablution and latrine facilities	Sum	1		
		c) Access (see sub-clause 5.8)	Sum	1		
		d) Water supplies, electric power and communications	Sum	1		
		e) Dealing with water	Sum	1		
1.1.4	PSA 8.3.5.2	OHS Act Obligations (Compilation of OHSAct file)	Sum	1		
1.1.5	PSA 8.3.5.3	EMP Obligations	Sum	1		
1.1.6	PSA 8.3.5.1	Issuing of notices to consumers	Sum	1		
1.1.7	8.3.4	Removal of site Establishment	Sum	1		
1.2	8.4	TIME RELATED ITEMS				
1.2.1	8.4.1	Contractual requirements	month	16		
	8.4.2	Operation and maintainance of facilities on site.				
1.2.3	8.4.2.1	1) Facilities for Engineer:				
		a)Engineers Office Type 2 and parking (No.=2)	month	16		
		b)Nameboards (No=2)	month	16		
		c) Meeting room Type 1	month	16		
		d) Latrine facilities	month	16		
1.2.4	8.4.2.2	2)Facilities for the Contractor:				
		a) Offices and storage sheds	month	16		
		b) Ablution and latrine facilities	month	16		
		c) Access (see sub-clause 5.8)	month	16		
		d) Plant	month	16		
		e) Water supplies, electric power and communications	month	16		
		f) Dealing with water	month	16		
1.2.5	8.4.3	Supervision for the duration of construction	month	16		
1.2.6	8.4.4	Company and head office overhead costs for the duration of the Contract	month	16		
1.2.7	PSA 8.4.6.2	Security Services	month	16		
1.2.8	OHS Spec.	Allow for compliance with all aspects of the OHS specification including:				
1.2.9	PSA 8.4.6.4	Risk assesment	month	16		
1.2.10	PSA 8.4.6.1(1)	Compliance with Health and Safety Plan including Safety Officer Salary	month	16		
1.2.11	8.6	Prime cost items				
		a) Materials used in the execution of dayworks	P/S	1		
		b) Overheads, charges and profit on item 1.4.1(a) above	%	30000		
SUM CARRIED FORWARD						

Item No.	Payment Clause	Description	Unit	Qty	Rate	Amount
1.3	8.8	TEMPORARY WORKS				
1.3.1	8.8.2	Dealing with traffic for the duration of the Contract	Sum	1		
1.3.2	8.8.6	Dealing with water	Sum	1		
1.3.3	8.8.4	Existing services				
	PSA 8.8.4 (a)	a) Supply or hire of specialist equipment for the detection and Scanning of existing services.	P/S	1	R 50,000.00	R 50,000.00
		Profit on item 1.6.4 (a) above	%	50000		
1.3.4	PSA 8.8.4 (b)	b) Excavation by hand to expose existing services.	m3	200		
	PSA 8.5	PROVISIONAL SUMS STATED BY ENGINEER				
		a) Reinstatement of asphalt by JRA	P/S	1	R 2,500,000.00	R 2,500,000.00
		b) Engineer's Equipment and Independent testing	P/S	1	R 50,000.00	R 50,000.00
		c) Temporary protection of existing services	P/S	1	R 30,000.00	R 30,000.00
		d) Community Liaison Officer	P/S	1	R 225,000.00	R 225,000.00
		e) Landscaping and including irrigation system	P/S	1	R 60,000.00	R 60,000.00
		f) Relocation of existing services	P/S	1	R 50,000.00	R 50,000.00
		g) Training of local labour	P/S	1	R 200,000.00	R 200,000.00
		h) Alterations and connection to Municipal services and repair to damaged services where approved by Engineer	P/S	1	R 20,000.00	R 20,000.00
	PSA 8.4.6.5	i) Community Participation Cost	P/S	1	R 100,000.00	R 100,000.00
		j) Investigations as ordered by the Engineer	P/S	1	R 20,000.00	R 20,000.00
		k) Survey as per the Engineer's instruction. Rate to include for a CD with AutoCAD drawing/s and co-ordinates data in CSV or text format.	P/S	1	R 50,000.00	R 50,000.00
		l) Reinstatement of existing outer buildings to its original state or to Engineer satisfaction as per the Engineer's instruction.	P/S	1	R 100,000.00	R 100,000.00
		m) Overheads, charges and profit on items (a-l) above	%	3405000		
	P.S 3.2.8	n) Overheads, charges and profit on Management fees for SMMEs based on SMME value paid to them (Value of Provisional Sum provided is indicative and will depend on a work package allocation)	%	R 18,852,344.40		
1.4	8.7	Day works (to be executed on instruction from the Engineer)				
1.4.1		Labour				
		a) Unskilled	hr	8		
		b) Semi skilled	hr	8		
		c) Skilled	hr	8		
		d) Armed Security guard	hr	8		
1.4.2		Tipper truck				
		a) Capacity 6m³ (small)	hr	8		
		b) Capacity 10m³ (medium)	hr	8		
		c) Capacity 12m³ (large)	hr	8		
1.4.3		Flat bed tracks				
		a) Capacity 3 ton (small)	hr	8		
		b) Capacity 5 ton (medium)	hr	8		
		c) Capacity 10 ton (large)	hr	8		
1.4.4		LDV's				
		a) Capacity 1 ton	hr	8		
1.4.5		Conservancy/ Water tankers				
		b) Capacity 6,000 litres (small)	hr	8		
		c) Capacity 9,000 litres (medium)	hr	8		
		d) Capacity 15,000 litres (large)	hr	8		
1.4.6		Excavator (Crawler excavator)				
		a) 20 tonne	hr	8		
		b) 30 tonne	hr	8		
1.4.7		TLB's (Tractor loader backhoe)				
		a) 2x4	hr	8		
		b) 4x4	hr	8		
1.4.8		Walk behind vibrating rollers				
		a) Model BW 61 (small)	hr	8		
		b) Model BW 76 (medium)	hr	8		
		c) Model BW 90 (large)	hr	8		
1.4.9		Compactors				
		a) Plate compactor	hr	8		
		Compressors (Potable Diesel Compressor)				
		a) Small	hr	8		
		b) Medium	hr	8		
		c) Large	hr	8		

Item No.	Payment Clause	Description	Unit	Qty	Rate	Amount
SUM CARRIED FORWARD						
1.4.10		Portable water pumps a) Small b) Medium c) Large	hr hr hr	8 8 8		
CARRIED TO SUMMARY: PRELIMINARY AND GENERAL						

Item No.	Payment Clause	Description	Unit	Qty	Rate	Amount
2	SANS 1200C	SCHEDULE 2: SITE CLEARANCE				
2.1	8.2.1	Clear and grub for width of 2 metres along the pipe route	m	7850		
2.2	8.2.2	Remove and grub large trees and tree stumps of girth				
		a) over 1m and up to and including 2m	No.	50		
		b) over 2m and up to and including 3m	No.	30		
		c) over 3m and up to and including 4m	No.	20		
2.3	PSC 8.2.5	Take down existing masonry walls, palisade fences and other obstructions on the pipe route				
		a) 110mm wall	m ²	300		
		b) 220mm wall	m ²	300		
		c) 330mm wall	m ²	250		
		d) Steel palisade fences	m ²	400		
		e) Concrete palisade fences	m ²	20		
2.4	8.2.10	Remove topsoil to nominal depth of 150mm and stockpile	m ³	3825		
2.5	PSC 8.2.11b	Removal of man-made surfaces				
		a) Roadway, Asphalt and other layers				
		i) Asphalt (≤ 50mm thick) and including base, sub-base and subgrades layers up to 800mm deep	m ²	4000		
		ii) Asphalt (> 50mm ≤ 100mm thick) and including	m ²	1800		
		b) Footways and Driveways				
		i) Asphalt ≤ 50mm thickness	m ²	7951		
		ii) Asphalt > 50 ≤ 100mm thickness	m ²	1705		
		iii) Interlocking concrete segmental paving blocks (all colours)	m ²	5936		
		iv) Concrete slabs (450 x 450mm)	m ²	389		
		v) Brick paving	m ²	1391		
		vi) Unreinforced concrete ≤ 75mm thick	m ²	300		
		vii) Reinforced concrete ≤ 75mm thick	m ²	199		
		viii) Grassing	m ²	1590		
		ix) Kerbing (all types of kerbing)	m	380		
2.6	PSC 8.2.12.1	Backfilling and reinstatement of roads				
		(a) 150mm base	m ³	870		
		(b) 150mm subbase	m ³	870		
		(c) 150mm selected subgrade	m ³	870		
SUM CARRIED FORWARD						

Item No.	Payment Clause	Description	Unit	Qty	Rate	Amount
4	SANS 1200LB	SCHEDULE 4: BEDDING (PIPES)				
4.1		Provision of bedding:				
	8.2.1	(a) from trench excavations				
		i) selected granular material	m ³	4325		
		ii) selected fill material	m ³	3528		
		iii) Extra over item 4.1(a) and (b) for sieving where ordered by Engineer	m ³	3528		
	8.2.2.3	(b) from commercial sources				
		i) selected granular material	m ³	1730		
		ii) selected fill material	m ³	1441		
		(iii) Bidim A2	m ²	0		
		(iv) 19mm crusher run stone	m ³	110		
		(v) River sand	m ³	80		
		(vi) Dump Rock	m ³	30		
4.2	8.2.4	a) Encasing of pipe in 20MPa concrete (Provisional)	m ³	32		
		b) Concrete for Thrust/anchor blocks (including all required formwork) as per detail JW100-DET05-W01	m ³	300		
CARRIED TO SUMMARY: BEDDING PIPES						

Item No.	Payment Clause	Description	Unit	Qty	Rate	Amount
5	SABS 1200L	SCHEDULE 5: MEDIUM PRESSURE PIPELINES				
5.1	8.2.1	a) Supply, lay, bed (class B bedding), all test and disinfect, backfill complete with victaulic couplings denso wrapped including knock on collars at joints, high impact mPVC Class 16 pipes:				
		i) DN110	m	18366		
		ii) DN160	m	4339		
		iii) DN200	m	10		
		iv) DN250	m	2142		
	PSL 8.2.24.2	b) Supply, handle, lay and test through Horizontal Direction Drilling including supply of pipe material and welding and drilling equipment for road crossings :				
		HDPE PE100 SDR11 PN16 pipes:				
		i) DN110	m	4000		
		ii) DN160	m	1800		
		iii) DN250	m	910		
5.2		Extraover item above for drilling in hard material	m	1075		
5.3		Excavate in all materials Launching and reception shafts	m ³	136		
		Fittings to suit High Impact Class 16 mPVC pipes				
5.4	8.2.2	a) Shouldered end Steel Bends Fusion Bonded Epoxy coated 250 microns including thrust blocks to suit high impact mPVC pipe:				
5.4.1		DN110				
		i) 11¼°	No	116		
		ii) 22.5°	No	45		
		iii) 45°	No	22		
		iv) 90°	No	18		
5.4.2		DN160				
		i) 11¼°	No	46		
		ii) 22.5°	No	18		
		iii) 45°	No	9		
		iv) 90°	No	7		
5.4.3		DN250				
		i) 11¼°	No	65		
		ii) 22.5°	No	36		
		iii) 45°	No	29		
		iv) 90°	No	23		
5.4.4	8.2.2	b) Shouldered end Steel Reducer Fusion Bonded Epoxy coated 250 microns to suit High Impact mPVC pipe:				
		i) 150mm x 100mm dia.	No	34		
		ii) 200mm x 100mm dia.	No	22		
		iii) 200mm x 150mm dia.	No	13		
		iv) 250mm x 100mm dia.	No	12		
		v) 250mm x 150mm dia.	No	9		
		vi) 250mm x 200mm dia.	No	7		
SUM CARRIED FORWARD						

Item No.	Payment Clause	Description	Unit	Qty	Rate	Amount
5.4.5	8.2.2	c) Steel Tees Fusion Bonded Epoxy coated 250 microns to suit High Impact mPVC piping including thrust block				
		i) 100mm dia. equal tee	No	40		
		ii) 150mm dia. equal tee	No	40		
		iii) 150mm x 100mm dia. reducing tee	No	18		
		v) 200mm x 100mm dia. reducing tee	No	18		
		iv) 200mm x 150mm dia. reducing tee	No	13		
		v) 250mm equal Tee	No	36		
		vi) 250mm x 100mm dia reducing Tee	No	14		
		vii) 250mm x 150mm dia reducing Tee	No	13		
		viii) 250mm x 200mm dia reducing Tee	No	5		
5.4.6		d) Steel Flanged Crosses, Fusion Bonded Epoxy coated 250 microns to suit High Impact mPVC piping including thrust block				
		i) 100mm dia. equal cross	No	10		
		ii) 150mm dia. equal cross	No	8		
		iii) 200mm dia. equal cross	No	1		
		iv) 150mm x 100mm dia. unequal cross	No	6		
		v) 200mm x 100mm dia. unequal cross	No	4		
		vi) 200mm x 150mm dia. unequal cross	No	3		
		vii) 250mm equal cross	No	3		
		viii) 250mm x 100mm dia unequal cross	No	2		
		ix) 250mm x 150mm dia unequal cross	No	25		
		x) 250mm x 200mm dia. unequal cross	No	25		
		xi) 300mm equal cross	No	30		
5.4.7		Steel End Caps Fusion Bonded Epoxy coated 250 microns to suit High Impact mPVC piping including thrust block				
		i) DN110	No	5		
		ii) DN160	No	4		
		iii) DN250	No	5		
5.4.8		Extra-over item 8.2.2 for encasing joints (Denso wrapping or similar approved of metal joints).	No	480		
5.5	PSL 8.2.22	i) Laboratory Testing of HDPE joints	Prov Sum	1	R 100,000.00	R 100,000.00
		ii) Profit on item 5.2.4f (vii) above	%	100000		
5.6	PSL 8.2.19	a) Supply, fixing and bedding of valves with its fittings complete (including chambers as per drawing JW100-DET03-W01. Gate Valves Class 16, anti-clockwise closing (except for Midrand Depot) for the following pipe sizes: Valves to be manufactured in accordance with SANS 664				
		i) DN100 RSV Class 16 Non rising spindle Detail JW100-DET03-W01	No	128		
		ii) DN150 RSV Class 16 Non rising spindle Detail JW100-DET03-W01	No	40		
		iv) DN 250 Wedge Type Class 16 Non rising spindle Detail JW100-DET03-W01	No	22		
SUM CARRIED FORWARD						

Item No.	Payment Clause	Description	Unit	Qty	Rate	Amount
	PSL 8.2.19	b) Supply, fixing and bedding of above ground fire hydrants with fittings and galvanised pipe for connection to the main line as per detail JW100-DET06-W01 (Rate to include all fittings required to connect to main line e.g. tees, bends, distance piece, approved coating on the fire hydrant etc.)				
		i) DN80 fire Hydrant mainline 110mm dia	No	100		
		ii) DN80 fire Hydrant mainline 160mm dia	No	28		
		iv) DN80 fire Hydrant mainline 250mm dia	No	15		
5.7	8.2.4	Extra-over 5.1 for cutting and joining of pipes to length where required:				
		a) "Press on" shouldered end collars including 1 victaulic coupling for uPVC pressure pipe:				
		i) DN110	No	189		
		ii) DN160	No	120		
		iv) DN250	No	83		
		b) Steel Flanged Adaptors with victaulic ends, Fusion Bonded Epoxy coated 250 microns to suit High Impact mPVC piping including thrust block				
		i) DN110	No	189		
		ii) DN160	No	120		
		iv) DN250	No	83		
		c) Steel flanged adaptors (VJ type), Fusion Bonded Epoxy coated 250 microns to suit High Impact mPVC piping including thrust block				
		i) DN110	No	38		
		ii) DN160	No	24		
		iv) DN250	No	17		
5.8	8.2.15	Special wrapping in corrosive soil per joint and as instructed by the Engineer	No	18		
5.9		Tying into existing Pipes				
5.9.1	PSL 8.2.17	Tying into existing water line. Supply all fittings to suit pipe size including labour for the following pipe sizes, excavations will be allowed under pipe excavations:				
		a) Tying new 110mm-160mm uPVC/HDPE/mPVC into existing steel/HDPE/AC/uPVC pipes for the following pipe sizes:				
		i) 100mm to 200mm	No	34		
		ii) 201mm to 400mm	No	13		
		b) Tying new 200mm-250mm uPVC/HDPE/MPVC into existing steel/HDPE/AC/uPVC pipe for the following pipe sizes:				
5.9.2	PSL 8.2.18	a) Recover valves, fittings, meters, specials of all sizes etc and deliver to the respective Depot or as instructed by the Employer's Agent.				
		i) Valves following sizes:				
		1) 100mm to 300mm	No	1168		
		ii) Fire Hydrants	No	143		
		iii) Water meters all sizes	No	2194		
CARRIED TO SUMMARY: MEDIUM PRESSURE PIPES						

Item No.	Payment Clause	Description	Unit	Qty	Rate	Amount
6	SABS 1200LF	SCHEDULE 6: ERF CONNECTIONS (WATER) Supply, lay and test HDPE Class 16, PE100 SDR11 Erf connections (Rate to include all compression fittings for connecting to the main line and the water meter) as per detail JW100-DET07-W01. Erf connection length 20 metres				
6.1	8.2.2					
6.1.1		a) Using open trench construction (Short Connection)				
		i) 25mm dia. connections	No	300		
		ii) 32mm dia. connections	No	300		
		iii) 40mm dia. connections	No	300		
		iv) 50mm dia. connections	No	20		
6.1.2	PSL 8.2.24.2	b) Using trenchless methods Horizontal Directional Drilling (The following rates should cover everything except launch and reception pits (long Connections))				
		ii) 32mm dia. connections	No	150		
		iii) 40mm dia. connections	No	150		
		iv) 50mm dia. connections	No	300		
		iv) 63mm dia. connections	No	120		
6.1.3		Excavate in all materials Launching and reception shafts	m ³	136		
6.2	8.2.3	Extra over items 6.1 for specials				
6.2.1		a) Saddles (to suit High Impact mPVC and OPVC pipes): Complete with bolts , nuts, flat gaskets, seals and stiffened ring.Include drilling hole DN of fitting Ø.Offtake to be BSP threaded (Plasson or similar approved by the Engineer in writing)Include for painting bolts with bituminous corrosion				
		i) 110mm x 25mm	No	1070		
		ii) 110mm x 32mm	No	350		
		iii) 110mm x 40mm	No	32		
		iv) 110mm x 50mm	No	16		
		vi) 160mm x 25mm	No	200		
		vii) 160mm x 32mm	No	120		
		viii) 160mm x 40mm	No	8		
		ix) 160mm x 50mm	No	2		
6.2.2		b) Saddle clamps for HDPE pipes Class 16: Complete with bolts , nuts, flat gaskets, seals and stiffened ring.Include drilling hole DN of fitting Ø.Offtake to be BSP threaded (Plasson or similar approved by the Engineer in writing)Include for painting bolts with bituminous corrosion				
		i) DN110	No	1179		
		ii) DN 160	No	500		
6.3	8.2.6	Stopcock (Supply and install brass ball/gate valve stopcock, rate to include all fittings to connect to the HDPE pipes)				
		i) 25mm	No	1120		
		ii) 32mm	No	64		
		iii) 40mm	No	38		
		iv) 50mm	No	2		

Item No.	Payment Clause	Description	Unit	Qty	Rate	Amount
SUM CARRIED FORWARD						
6.4	8.2.4	Supply and install Meters complete with couplings				
		i) 15mm Class C above ground (in a box) domestic water meters (rate to include all fittings for connecting to the erf connection)	No	1080		
		ii) 20mm Class C above ground (in a box) domestic water meters (rate to include all fittings for connecting to the erf connection)	No	1080		
		iii) 32mm Class C above ground (in a box) domestic water meters (rate to include all fittings for connecting to the erf connection)	No	26		
		iv) 40mm Class B above ground (in a box) domestic water meters(rate to include all fittings for connecting to the erf connection)	No	10		
		v) 50mm Class B above ground bulk water meters(rate to include all fittings for connecting to the erf connection as per detail JW100-DET09-W01)	No	1		
		vi) 63mm Class B above ground bulk water meters(rate to include all fittings for connecting to the erf connection as per detail JW100-DET09-W01)	No	8		
		vii) 80mm Class B above ground bulk water meters(rate to include all fittings for connecting to the erf connection as per detail JW100-DET09-W01)	No	1		
		viii) 100mm Class B above ground bulk water meters(rate to include all fittings for connecting to the erf connection as per detail JW100-DET09-W01)	No	1		
6.5	8.2.5	Site testing of water meters, where ordered by Engineer (Provisional)	Prov Sum	1	R 100,000.00	R 100,000.00
6.6		Profit on item 6.5 above	%	100000		
6.7	8.2.8	i) Markings in reflective paint for valves and hydrants as per detail JW100-DET13-W01	No	311		
		ii) Concrete Marker posts for valves and hydrants as per detail JW100-DET13-W01	No	311		
CARRIED SUMMARY: ERF CONNECTIONS (WATER)						

Item No.	Payment Clause	Description	Unit	Qty	Rate	Amount
1.3	8.8	TEMPORARY WORKS				
1.3.1	8.8.2	Dealing with traffic for the duration of the Contract	Sum	1		
1.3.2	8.8.6	Dealing with water	Sum	1		
1.3.3	8.8.4	Existing services				
	PSA 8.8.4 (a)	a) Supply or hire of specialist equipment for the detection and Scanning of existing services.	P/S	1	R 50,000.00	R 50,000.00
		Profit on item 1.6.4 (a) above	%	50000		
1.3.4	PSA 8.8.4 (b)	b) Excavation by hand to expose existing services.	m3	200		
	PSA 8.5	PROVISIONAL SUMS STATED BY ENGINEER				
		a) Reinstatement of asphalt by JRA	P/S	1	R 2,500,000.00	R 2,500,000.00
		b) Engineer's Equipment and Independent testing	P/S	1	R 50,000.00	R 50,000.00
		c) Temporary protection of existing services	P/S	1	R 30,000.00	R 30,000.00
		d) Community Liaison Officer	P/S	1	R 225,000.00	R 225,000.00
		e) Landscaping and including irrigation system	P/S	1	R 60,000.00	R 60,000.00
		f) Relocation of existing services	P/S	1	R 50,000.00	R 50,000.00
		g) Training of local labour	P/S	1	R 200,000.00	R 200,000.00
		h) Alterations and connection to Municipal services and repair to damaged services where approved by Engineer	P/S	1	R 20,000.00	R 20,000.00
	PSA 8.4.6.5	i) Community Participation Cost	P/S	1	R 100,000.00	R 100,000.00
		j) Investigations as ordered by the Engineer	P/S	1	R 20,000.00	R 20,000.00
		k) Survey as per the Engineer's instruction. Rate to include for a CD with AutoCAD drawing/s and co-ordinates data in CSV or text format.	P/S	1	R 50,000.00	R 50,000.00
		l) Reinstatement of existing outer buildings to its original state or to Engineer satisfaction as per the Engineer's instruction.	P/S	1	R 100,000.00	R 100,000.00
		m) Overheads, charges and profit on items (a-l) above	%	3405000		
	P.S 3.2.8	n) Overheads, charges and profit on Management fees for SMMEs based on SMME value paid to them (Value of Provisional Sum provided is indicative and will depend on a work package allocation)	%	R 18,852,344.40		
1.4	8.7	Day works (to be executed on instruction from the Engineer)				
1.4.1		Labour				
		a) Unskilled	hr	8		
		b) Semi skilled	hr	8		
		c) Skilled	hr	8		
		d) Armed Security guard	hr	8		
1.4.2		Tipper truck				
		a) Capacity 6m³ (small)	hr	8		
		b) Capacity 10m³ (medium)	hr	8		
		c) Capacity 12m³ (large)	hr	8		
1.4.3		Flat bed tracks				
		a) Capacity 3 ton (small)	hr	8		
		b) Capacity 5 ton (medium)	hr	8		
		c) Capacity 10 ton (large)	hr	8		
1.4.4		LDV's				
		a) Capacity 1 ton	hr	8		
1.4.5		Conservancy/ Water tankers				
		b) Capacity 6,000 litres (small)	hr	8		
		c) Capacity 9,000 litres (medium)	hr	8		
		d) Capacity 15,000 litres (large)	hr	8		
1.4.6		Excavator (Crawler excavator)				
		a) 20 tonne	hr	8		
		b) 30 tonne	hr	8		
1.4.7		TLB's (Tractor loader backhoe)				
		a) 2x4	hr	8		
		b) 4x4	hr	8		
1.4.8		Walk behind vibrating rollers				
		a) Model BW 61 (small)	hr	8		
		b) Model BW 76 (medium)	hr	8		
		c) Model BW 90 (large)	hr	8		
1.4.9		Compactors				
		a) Plate compactor	hr	8		
		Compressors (Potable Diesel Compressor)				
		a) Small	hr	8		
		b) Medium	hr	8		
		c) Large	hr	8		

Item No.	Payment Clause	Description	Unit	Qty	Rate	Amount
SUM CARRIED FORWARD						
1.4.10		Portable water pumps a) Small b) Medium c) Large	hr hr hr	8 8 8		
CARRIED TO SUMMARY: PRELIMINARY AND GENERAL						

Item No.	Payment Clause	Description	Unit	Qty	Rate	Amount
5.4.5	8.2.2	c) Steel Tees Fusion Bonded Epoxy coated 250 microns to suit High Impact mPVC piping including thrust block i) 100mm dia. equal tee ii) 150mm dia. equal tee iii) 150mm x 100mm dia. reducing tee v) 200mm x 100mm dia. reducing tee iv) 200mm x 150mm dia. reducing tee v) 250mm equal Tee vi) 250mm x 100mm dia reducing Tee vii) 250mm x 150mm dia reducing Tee viii) 250mm x 200mm dia reducing Tee	No No No No No No No No No	40 40 18 18 13 36 14 13 5		
5.4.6		d) Steel Flanged Crosses, Fusion Bonded Epoxy coated 250 microns to suit High Impact mPVC piping including thrust block i) 100mm dia. equal cross ii) 150mm dia. equal cross iii) 200mm dia. equal cross iv) 150mm x 100mm dia. unequal cross v) 200mm x 100mm dia. unequal cross vi) 200mm x 150mm dia. unequal cross vii) 250mm equal cross viii) 250mm x 100mm dia unequal cross ix) 250mm x 150mm dia unequal cross x) 250mm x 200mm dia. unequal cross xi) 300mm equal cross	No No No No No No No No No No No	10 8 1 6 4 3 3 2 25 25 30		
5.4.7		Steel End Caps Fusion Bonded Epoxy coated 250 microns to suit High Impact mPVC piping including thrust block i) DN110 ii) DN160 iii) DN250	No No No	5 4 5		
5.4.8		Extra-over item 8.2.2 for encasing joints (Denso wrapping or similar approved of metal joints).	No	480		
5.5	PSL 8.2.22	i) Laboratory Testing of HDPE joints ii) Profit on item 5.2.4f (vii) above	Prov Sum %	1 100000	R 100,000.00	R 100,000.00
5.6	PSL 8.2.19	a) Supply, fixing and bedding of valves with its fittings complete (including chambers as per drawing JW100-DET03-W01. Gate Valves Class 16, anti-clockwise closing (except for Midrand Depot) for the following pipe sizes: Valves to be manufactured in accordance with SANS 664 i) DN100 RSV Class 16 Non rising spindle Detail JW100-DET03-W01 ii) DN150 RSV Class 16 Non rising spindle Detail JW100-DET03-W01 iv) DN 250 Wedge Type Class 16 Non rising spindle Detail JW100-DET03-W01	No No No	128 40 22		
SUM CARRIED FORWARD						

Item No.	Payment Clause	Description	Unit	Qty	Rate	Amount
6	SABS 1200LF	SCHEDULE 6: ERF CONNECTIONS (WATER) Supply, lay and test HDPE Class 16, PE100 SDR11 Erf connections (Rate to include all compression fittings for connecting to the main line and the water meter) as per detail JW100-DET07-W01. Erf connection length 20 metres				
6.1	8.2.2					
6.1.1		a) Using open trench construction (Short Connection)				
		i) 25mm dia. connections	No	300		
		ii) 32mm dia. connections	No	300		
		iii) 40mm dia. connections	No	300		
		iv) 50mm dia. connections	No	20		
6.1.2	PSL 8.2.24.2	b) Using trenchless methods Horizontal Directional Drilling (The following rates should cover everything except launch and reception pits (long Connections))				
		ii) 32mm dia. connections	No	150		
		iii) 40mm dia. connections	No	150		
		iv) 50mm dia. connections	No	300		
		iv) 63mm dia. connections	No	120		
6.1.3		Excavate in all materials Launching and reception shafts	m ³	136		
6.2	8.2.3	Extra over items 6.1 for specials				
6.2.1		a) Saddles (to suit High Impact mPVC and OPVC pipes): Complete with bolts , nuts, flat gaskets, seals and stiffened ring.Include drilling hole DN of fitting Ø.Offtake to be BSP threaded (Plasson or similar approved by the Engineer in writing)Include for painting bolts with bituminous corrosion				
		i) 110mm x 25mm	No	1070		
		ii) 110mm x 32mm	No	350		
		iii) 110mm x 40mm	No	32		
		iv) 110mm x 50mm	No	16		
		vi) 160mm x 25mm	No	200		
		vii) 160mm x 32mm	No	120		
		viii) 160mm x 40mm	No	8		
		ix) 160mm x 50mm	No	2		
6.2.2		b) Saddle clamps for HDPE pipes Class 16: Complete with bolts , nuts, flat gaskets, seals and stiffened ring.Include drilling hole DN of fitting Ø.Offtake to be BSP threaded (Plasson or similar approved by the Engineer in writing)Include for painting bolts with bituminous corrosion				
		i) DN110	No	1179		
		ii) DN 160	No	500		
6.3	8.2.6	Stopcock (Supply and install brass ball/gate valve stopcock, rate to include all fittings to connect to the HDPE pipes)				
		i) 25mm	No	1120		
		ii) 32mm	No	64		
		iii) 40mm	No	38		
		iv) 50mm	No	2		

Item No.	Payment Clause	Description	Unit	Qty	Rate	Amount
SUM CARRIED FORWARD						
6.4	8.2.4	Supply and install Meters complete with couplings				
		i) 15mm Class C above ground (in a box) domestic water meters (rate to include all fittings for connecting to the erf connection)	No	1080		
		ii) 20mm Class C above ground (in a box) domestic water meters (rate to include all fittings for connecting to the erf connection)	No	1080		
		iii) 32mm Class C above ground (in a box) domestic water meters (rate to include all fittings for connecting to the erf connection)	No	26		
		iv) 40mm Class B above ground (in a box) domestic water meters(rate to include all fittings for connecting to the erf connection)	No	10		
		v) 50mm Class B above ground bulk water meters(rate to include all fittings for connecting to the erf connection as per detail JW100-DET09-W01)	No	1		
		vi) 63mm Class B above ground bulk water meters(rate to include all fittings for connecting to the erf connection as per detail JW100-DET09-W01)	No	8		
		vii) 80mm Class B above ground bulk water meters(rate to include all fittings for connecting to the erf connection as per detail JW100-DET09-W01)	No	1		
		viii) 100mm Class B above ground bulk water meters(rate to include all fittings for connecting to the erf connection as per detail JW100-DET09-W01)	No	1		
6.5	8.2.5	Site testing of water meters, where ordered by Engineer (Provisional)	Prov Sum	1	R 100,000.00	R 100,000.00
6.6		Profit on item 6.5 above	%	100000		
6.7	8.2.8	i) Markings in reflective paint for valves and hydrants as per detail JW100-DET13-W01	No	311		
		ii) Concrete Marker posts for valves and hydrants as per detail JW100-DET13-W01	No	311		
CARRIED SUMMARY: ERF CONNECTIONS (WATER)						