

MATJHABENG

Municipality
Umasipala
P/ O Box 708
Welkom, 9460
South Africa



Mmasepala
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To : MUNICIPAL MANAGER

From : EXECUTIVE DIRECTOR INFRASTRUCTURE

Date : 24 JANUARY 2019

SUBMISSION

1. PURPOSE

The purpose of the submission is to request the Accounting Officer to approve the variation order No.1 for the replacement of old galvanised steel pipes with uPVC in Allenridge and Nyakallong Townships under Vukuphile Learner Contractor who underpriced on their Tender Documents.

2. BACKGROUND

The replacement of old galvanised steel pipes with uPVC in Allenridge and Nyakallong Townships project is currently being implemented by the Municipality through MIG funding. This project entails the replacement of 270m old steel pipe with 250mm diameter uPVC Class 12 pipes, the excavations, bedding, laying of pipes and backfilling. The project was awarded to TCM Mohokare Projects and is being managed by Soleng (PTY) LTD. A request for Variation Order No.1 accompanied by supporting documents were received from Soleng (PTY) LTD and are attached for ease of reference.

3. DISCUSSION

The requested Variation Order No.1 is due to the following items attached:

- The learner contractor have under- priced the BOQ for the above mentioned project and the contractor risks a chance of making losses and ending up with the debt with the possible results of being blacklisted by not finishing the work due to insufficient funds on the available budget. The municipality has made a decision to balance the rates for the learner contractor based on the advice from the engineers on the project.
- The project was reserved for the learner contractor under the EPWP program as part of the learnership however there was no assistance in pricing the BOQ due to public works internal logistics and the contractor worked alone for the first time as public works could not provide mentors as committed initially.
- The consultant recalculated the priced BOQ and found the errors which led to the BOQ to be priced again to meet the market value priced materials.
- The Consultant proposed that the awarded contract amounts be amended to suit the recommendation. The revised contract amount is R 1 850 431,03 thus the additional funding of R 400 431,03 is needed.

4. FINANCIAL IMPLICATIONS

The cost breakdown of this variation order under the project is the following:

ITEM NO	SUMMARY OF SECTIONS	APPOINTED AMOUNT	NEW CONTRACT AMOUNT	DIFFERENCE IN CONTRACT AMOUNT
1	Preliminary and General	R 470 570,00	R 525 570,00	R 55 000,00
2	Water pipe replacement construction	R 675 675,06	R 937 221,33	R 261 546,27
Sub-Total Amount 1		R 1 146 245,06	R 1 462 791,33	R 316 546,27
Contingencies 10%		R 114 624,51	R 146 279,13	R 31 654,63
Sub-Total Amount 2		R 1 260 869,57	R 1 609 070,46	R 348 200,90
15 % VAT		R 189 130,43	R 241 360,57	R 52 230,13
TOTAL AMOUNT		R 1 450 000,00	R 1 850 431,03	R 400 431,03

The cost implications for this variation order is **R 400 431,03** inclusive of VAT. The total of the new contract on the project is **R 1 579 774,16**.

5. RECOMMENDATIONS

It is hereby recommended as follows:

- The recommendation of **R 1 850 431,03** VAT incl. constitute a shortfall of **R 400 431,03** (VAT incl.) which should be funded by the Municipality is needed to successfully implement and complete the project.
- The Accounting Officer approves this variation order as indicated above this will ensure that the better services will be delivered to the community and assist towards saving water for the municipality. The adjusted amount constitute construction fees only.
- The recommended that variation order of **R 400 431,03** be approved to increase the project value to the **R 1 850 431,03** VAT incl.
- The total increase amount on the Vukhuphile Learnership project required is **R 1 268 119,83** of which **R 260 036,88** is available from the MIG budget and the balance of **R 1 008 082,95** is the counter funding from the municipality. It is proposed that the contract amount of **R 6 422 279,82** be adjusted by 19,7 % to **R 7 690 399,65**.

6. OTHER IMPLICATIONS

COMPILED BY:


K.S. MOKOENA
PMU TECHNICIAN

24/01/2019
DATE

PRE-VERIFIED BY:


SHEPHERD HUNGA
SENIOR PROJECT MANAGER

24/01/2019
DATE

VERIFIED BY:


N. XAMESI
SENIOR PMU ENGINEER

24-01-2019
DATE

RECOMMENDED BY


T. MAKOFANE
EXECUTIVE DIRECTOR: INFRASTRUCTURE

06-02-2019
DATE

PRE-APPROVED BY:

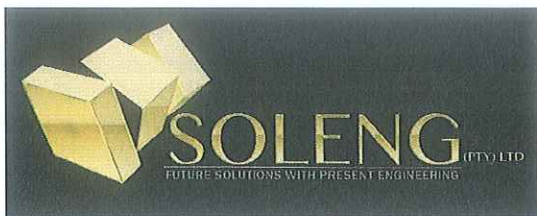

T. PANYANI
CHIEF FINANCIAL OFFICER

07/02/2019
DATE

APPROVED BY:


THABISO TSOAELI
MUNICIPAL MANAGER

08/02/2019
DATE



23 Orchid Str.
Riebeeckstad
WELKOM, 9469
TEL: +27 57 388 4523
MOB: +27 79 515 0611
email: losaba.tk@soleng.co.za

ATT: Mr T Tsoaeli
Matjhabeng Local Municipality
PO Box 708
WELKOM, 9460

Our Ref: 201901-SOL.MLM-LET001
Your Ref: : 03 / 2018 ABCD

TEL: +27 57 916 4060

Date: 21 January 2019

Dear Sir

CONTRACT NO 03/2018 ABCD: Replacement of old galvanised steel pipes with uPVC in Allanridge and Nyakallong Townships

SUBJECT: Request for Learner Contractor assistance.

Our conversation on the 17th January 2019 has reference.

It has come to our attention that the appointed Vuk'uphile Learner contractors have under-priced for the above mentioned project. By allowing them to continue under the status quo, learner contractors risks a chance of making substantial losses and ending up with debt that they will not afford to service, with possible results of being blacklisted by suppliers before they even go far in business.

This project was not open to public tender but reserved for the learner contractors under the EPWP programme as part of their Learnership. The project is also one of the Municipality's initiatives in saving water by eradicating dilapidated leaking pipes, and also drives progress of service delivery. It is therefore imperative that we do not let these learner contractors fail under such a crucial project that is also meant to create a platform for transferring of skills, create employment and develop entrepreneurs.

Learner contractors are bound to make mistakes, especially when they work alone for the first time, in the absence of mentors, without any assistance in pricing, and it is therefore important that the municipality builds and moulds them to become better entrepreneurs that will later contribute back into the economy.

As requested, we wish to present our proposal on how the contractors can be assisted to ensure that they are able to complete the project that will deliver service to the community and assist towards saving water for the municipality. It is proposed that the contract amount of **R6'422'279-82 (Incl. VAT, Incl. Contingencies)** be adjusted by +19.7% to **R7'690'399-65 (Incl. Vat, Incl. Contingencies)** as a Variation Order in accordance with the cost breakdown as indicated below.

OFFICES:

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3 CONCORDE EAST RD
BEDFORDVIEW
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NORTH WEST
10104 SIX HUNDRED
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DIRECTORS
Tebogo Losaba (RSA)

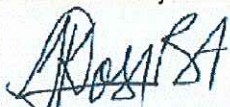
LINE NO.	SUMMARY OF SECTIONS	APPOINTMENT AMOUNT	PROPOSED CONTRACT AMOUNT	ADDITIONAL AMOUNT
1	TKM Destiny Projects	R 1 022 119,37	R 1 302 753,71	R 280 634,34
2	Bomaremoso Trading	R 1 370 255,41	R 1 629 785,02	R 259 529,61
3	Dzotho Trading 16	R 1 593 369,37	R 1 920 894,22	R 327 524,85
4	TCM Mohokare Projects	R 1 450 000,00	R 1 850 431,03	R 400 431,03
SUB-TOTAL AMOUNT 1		R 5 435 744,15	R 6 703 863,98	R 1 268 119,83
Contingencies are included		R -	R -	R -
SUB-TOTAL AMOUNT 2		R 5 435 744,15	R 6 703 863,98	R 1 268 119,83
VAT is included		R -	R -	R -
TOTAL CONSTRUCTION AMOUNT		R 5 435 744,15	R 6 703 863,98	R 1 268 119,83
PROFESSIONAL FEES		R 857 857,10	R 857 857,10	R 0,00
PLUS: Allowance for VAT at 15%		R 128 678,57	R 128 678,57	R 0,00
TOTAL PROFESSIONAL FEES		R 986 535,67	R 986 535,67	R 0,00
TOTAL PROJECT COSTS (Incl. VAT)		R 6 422 279,82	R 7 690 399,65	
APPROVED BUDGET (Incl. Vat)		R 6 682 316,70	R 6 682 316,70	
BALANCE		R 260 036,88	R 1 008 082,95	

Amount required

In view of the above, the additional required amount to the approved budget of R6'682'316.70 is only **R1'008'082,95 (Inclusive of VAT & Contingencies)**. Detailed breakdown of the rates and quantities is attached as **Annexure 1**

We hope you find all in order and that this request finds your approval.

Yours Faithfully



Tebogo Losaba (Director)
for SOLENG (Pty) Ltd

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DIRECTORS
Tebogo Losaba (RSA)

CONTRACT NUMBER : 03 / 2018 D
 PROJECT DESCRIPTION : Allanridge & Nyakallong replacement of old galvanised pipes with uPVC pipes
 CLIENT : Matjhabeng Local Municipality
 CONTRACTOR : TCM Mohokare Projects
 ENGINEER : SOLENG (Pty) Ltd

CONTRACT PRICE ADJUSTMENT

PAGE NO.	SUMMARY OF SECTIONS	APPOINTMENT AMOUNT	NEW CONTRACT AMOUNT	DIFFERENCE IN CONTRACT AMOUNT
1	SECTION 1 : PRELIMINARY AND GENERAL	470 570,00	525 570,00	55 000,00
2	SECTION 2: WATER PIPE REPLACEMENT CONSTRUCTION	675 675,06	937 221,33	261 546,27
SUB-TOTAL AMOUNT 1		R 1 146 245,06	R 1 462 791,33	R 316 546,27
PLUS: Allowance for Contingencies at 10%		R 114 624,51	R 146 279,13	R 31 654,63
SUB-TOTAL AMOUNT 2		R 1 260 869,57	R 1 609 070,46	R 348 200,90
PLUS: Allowance for VAT at 15%		R 189 130,43	R 241 360,57	R 52 230,13
TOTAL AMOUNT		R 1 450 000,00	R 1 850 431,03	R 400 431,03

CONTRACT NUMBER : 03 / 2018 D
 PROJECT DESCRIPTION : Alanridge & Nyakallong replacement of old galvanised pipes with uPVC pipes
 CLIENT : Mathabeng Local Municipality
 CONTRACTOR : TCM Mohokare Projects
 ENGINEER : SOLENG (Pty) Ltd

CONTRACT PRICE ADJUSTMENT				TEDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES		
ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	QUANTITY	FINAL RATE	FINAL AMOUNT	RATE	AMOUNT	RATE	AMOUNT
SECTION 1 : PRELIMINARY AND GENERAL											
1.1	SABS 1200A		FIXED-CHARGED ITEMS								
1.1.1	8.3.1		Contractual requirements.	Sum	1	35 000,00	35 000,00	35 000,00	35 000,00	-	-
	8.3.2		Establishment of facilities on the site:								
	PSA 8.4.2.1(a)		(A) Facilities for Engineer								
1.1.2			(i) Meeting room (No 1)	Sum	0	-	-	-	-	-	-
1.1.3			(ii) Project Name board	No.	0	-	-	-	-	-	-
1.1.4			(iii) Survey assistants, equipment and material	Sum	0	-	-	-	-	-	-
	8.3.2.2		(B) Facilities for the Contractor								
1.1.5			(i) Offices and storage sheds	Sum	1	10 000,00	10 000,00	10 000,00	10 000,00	-	-
1.1.6			(ii) Workshops	Sum	1	8 000,00	8 000,00	8 000,00	8 000,00	-	-
1.1.7			(iii) Ablution and Latrine facilities	Sum	1	4 000,00	4 000,00	4 000,00	4 000,00	-	-
1.1.8			(iv) Tools and equipment	Sum	1	9 400,00	9 400,00	9 400,00	9 400,00	-	-
1.1.9			(v) Water supplies and electric power and communications	Sum	1	10 000,00	10 000,00	10 000,00	10 000,00	-	-
1.1.10			(vi) Dealing with water (see sub-clause PSA 5.5)	Sum	1	9 000,00	9 000,00	9 000,00	9 000,00	-	-
1.1.11			(vii) Access (see sub-clause PSA 5.8)	Sum	1	6 000,00	6 000,00	6 000,00	6 000,00	-	-
1.1.12	PSA 8.3.3		Other fixed-charged obligations Specify rate composition:	Sum	1	7 500,00	7 500,00	7 500,00	7 500,00	-	-
1.1.13	8.3.4		Removal of Site Establishment	Sum	1	12 000,00	12 000,00	12 000,00	12 000,00	-	-
1.1.14	C2.1.9		EMP implementation and maintenance	Sum	1	4 500,00	4 500,00	4 500,00	4 500,00	-	-
1.1.15	PSA 8.4.6		Compliance with Health and Safety Construction Regulations (2003) including supply of PPE for employees	Sum	1	9 800,00	9 800,00	9 800,00	9 800,00	-	-
1.2	8.4		TIME-RELATED ITEMS								
1.2.1	8.4.1		Contractual requirements	Month	2	35 000,00	70 000,00	35 000,00	70 000,00	-	-
TOTAL CARRIED FORWARD								R 195 200,00	195 200,00		R 0,00

CONTRACT NUMBER : 03 / 2018 D
 PROJECT DESCRIPTION : Allanridge & Nyakallong replacement of old galvanised pipes with uPVC pipes
 CLIENT : Mathabeng Local Municipality
 CONTRACTOR : TCM Mohokare Projects
 ENGINEER : SOLENG (Pty) Ltd

CONTRACT PRICE ADJUSTMENT				UNIT	DESCRIPTION	TENDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES	
ITEM	PAYMENT	LIC				QUANTITY	FINAL RATE	FINAL AMOUNT	RATE	AMOUNT	RATE	AMOUNT
					Brought forward			R 195 200,00		195 200,00		R 0,00
1.2.2	8.4.2				Operation and maintenance of Facilities on Site for duration of construction, except where otherwise stated							
1.2.3	PSA 8.4.2.1				(A) Facilities for Engineer							
1.2.4	8.3.2.1			Month	(i) Meeting room (No 1)	0		-		-		-
				Month	(ii) Name board (No 3)	0		-		-		-
				Month	(iii) Survey assistants, equipment and material	0		-		-		-
1.2.5	8.4.2.2				(B) Facilities for Contractor							
1.2.6				Month	(a) Offices and storage sheds	2	5 500,00	11 000,00	5 500,00	11 000,00		
1.2.7				Month	(b) Workshops	2	4 000,00	8 000,00	4 000,00	8 000,00		
1.2.8				Month	(c) Ablution and Latrine facilities	2	2 000,00	4 000,00	2 000,00	4 000,00		
1.2.9				Month	(d) Tools and equipment	2	4 700,00	9 400,00	4 700,00	9 400,00		
1.2.10				Month	(e) Water supplies and electric power and communications	2	5 000,00	10 000,00	5 000,00	10 000,00		
1.2.11				Month	(f) Dealing with water (see sub-clause 5.5)	2	4 500,00	9 000,00	4 500,00	9 000,00		
1.2.12				Month	(g) Access (see sub-clause PSA 5.8)	2	6 000,00	12 000,00	6 000,00	12 000,00		
				Month	(h) Plant	2	5 000,00	10 000,00	5 000,00	10 000,00		
1.2.13	PSA 8.4.3			Sum	Supervision for duration of Construction Specify rate composition	1	15 000,00	15 000,00	70 000,00	70 000,00	55 000,00	55 000,00
1.2.14	8.4.4			Month	Company and head office overhead Costs for the duration of the Contract	2	7 500,00	15 000,00	7 500,00	15 000,00		
1.2.15	8.4.5			Month	Other time-related obligations Specify rate composition	2	6 000,00	12 000,00	6 000,00	12 000,00		
1.2.16	PSA 8.4.7			Month	On-site security	2	4 000,00	8 000,00	4 000,00	8 000,00		
	C2.1.9			Month	EMP implementation and maintenance	2	4 500,00	9 000,00	4 500,00	9 000,00		
TOTAL CARRIED FORWARD										382 600,00		R 55 000,00

CONTRACT NUMBER : 03 / 2018 D
 PROJECT DESCRIPTION : Allanridge & Nyakallong replacement of old galvanised pipes with uPVC pipes
 CLIENT : Mafhabeng Local Municipality
 CONTRACTOR : TCM Mohokare Projects
 ENGINEER : SOLENG (Pty) Ltd

CONTRACT PRICE ADJUSTMENT					TEDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES	
ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	QUANTITY	FINAL RATE	FINAL AMOUNT	RATE	AMOUNT	RATE	AMOUNT
			Brought forward				R 327 600,00		382 600,00		R 55 000,00
1.3	8.5		PROVISIONAL SUMS STATED BY ENGINEER								
	PD2.3		a) Community liaising officer/s (CLO/s)	Prov Sum	1	11 000,00	11 000,00	11 000,00	11 000,00	-	-
1.3.1	PD2.3.1(a)		i) CLO/s salary (R5500-00/month)	Prov Sum	1	1 500,00	1 500,00	1 500,00	1 500,00	-	-
1.3.2	PD2.3.2(b)		ii) Provision of CLO/s cellular phone	Months	2	100,00	200,00	100,00	200,00	-	-
1.3.3	PD2.3.2 (c)		iii) Cost of calls by the CLO/s	%	10%	12 700,00	1 270,00	12 700,00	1 270,00	-	-
1.3.4			b) Overheads charges and profit on item (a) above (Max. 10%)	Prov Sum	1	105 000,00	105 000,00	105 000,00	105 000,00	-	-
1.3.5			c) Water Network Investigation (Engineer's Provisional Sum)	%	10%	105 000,00	10 500,00	105 000,00	10 500,00	-	-
1.3.6			d) Overheads charges and profit on item (c) above (Max. 10%)								
1.4	8.8		TEMPORARY WORKS								
	8.8.4		Existing Services								
1.4.1		LI	a) Excavation by hand in all material to expose existing services	m³	75	-	-	-	-	-	-
1.4.2			b) Temporary protection of existing services	Sum	1	-	-	-	-	-	-
1.4.3	PSA 8.9		Compensation in terms of sub-clause 9.1.4 of the GCC for delays due Political and community unrest situations (Cost for Standing Time)	Days	6	-	-	-	-	-	-
1.5			ACCOMODATION OF TRAFFIC								
	SANS 1200D 8.3.12		Road Traffic Signs and Markings	Sum	1	2 500,00	2 500,00	2 500,00	2 500,00	-	-
1.5.1			a) Dealing with Traffic for the duration of the contract								
1.6	8.7		DAYWORKS								
			a) Labour	hours	-	45,00	-	45,00	-	-	-
1.6.1			i) Site Agent								
TOTAL CARRIED FORWARD							R 459 570,00		514 570,00		R 55 000,00

CONTRACT NUMBER : 03 / 2018 D
 PROJECT DESCRIPTION : Allanridge & Nyakalong replacement of old galvanised pipes with uPVC pipes
 CLIENT : Mathabeng Local Municipality
 CONTRACTOR : TCM Mohokare Projects
 ENGINEER : SOLENG (Pty) Ltd

CONTRACT PRICE ADJUSTMENT					TENDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES	
ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	QUANTITY	FINAL RATE	FINAL AMOUNT	RATE	AMOUNT	RATE	AMOUNT
			Brought forward				R 459 570,00		514 570,00		R 55 000,00
1.6.2			ii) Qualified artisan/s	hours	-	35,00	-	35,00	-	-	-
1.6.3			iii) Foreman, leader hand/s	hours	-	29,00	-	29,00	-	-	-
1.6.4			iv) Semi-skilled labour/s	hours	-	28,00	-	28,00	-	-	-
1.6.5			v) Labourer/s (Unskilled)	hours	-	20,00	-	20,00	-	-	-
			b) Planhire: Work rates on Site								
1.6.6			i) LDV/s	hours	-	29,00	-	29,00	-	-	-
1.6.7			ii) Tractor loader backhoe (TLB)	hours	-	250,00	-	250,00	-	-	-
1.6.8			iii) Pedestrian roller/s	hours	-	18,00	-	18,00	-	-	-
1.6.9			iv) Concrete mixer/s	hours	-	150,00	-	150,00	-	-	-
1.6.10	8,7		c) Materials for dayworks	Prov Sum	1	10 000,00	10 000,00	10 000,00	10 000,00	-	-
1.6.11			d) Overheads charges and profit on item (1.6.10) (Max. 10%)	%	10%	10 000,00	1 000,00	10 000,00	1 000,00	-	-
			e) Miscellaneous								
1.6.12			i) Compressor with capacity of 125cfm	hours	-	150,00	-	150,00	-	-	-
1.6.13			ii) Water pump/s with 40mm outlet (diesel driven)	hours	-	180,00	-	180,00	-	-	-
1.6.14			iii) Welding unit (300Amp)	hours	-	110,00	-	110,00	-	-	-
1.6.15			iv) 2.3.1KVA Diesel-driven generator set	hours	-	110,00	-	110,00	-	-	-
TOTAL CARRIED TO SUMMARY : SECTION 1: PRELIMINARY & GENERAL							R 470 570,00		525 570,00		R 55 000,00

CONTRACT NUMBER : 03 / 2018 D
 PROJECT DESCRIPTION : Allanridge & Nyakallong replacement of old galvanised pipes with uPVC pipes
 CLIENT : Matjhabeng Local Municipality
 CONTRACTOR : TCM Mohokare Projects
 ENGINEER : SOLENG (Pty) Ltd

CONTRACT PRICE ADJUSTMENT

ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	TEDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES		
					QUANTITY	FINAL RATE	FINAL AMOUNT	RATE	AMOUNT	RATE	AMOUNT	
SECTION 2: WATER PIPE REPLACEMENT CONSTRUCTION												
EARTHWORKS: PIPE TRENCHES												
SITE CLEARANCE												
2.1	8.3.1		a) Remove topsoil to depth of 200mm, 2m wide	m²	700	85,00	59 500,00	85,00	59 500,00	-	-	
2.1.1	8.3.1(c)		b) Saw cut, remove and dispose of asphalt and stone crush base up to 200mm thickness	m²	270	98,00	26 460,00	98,00	26 460,00	-	-	
2.1.2	PSDB8.3.1.1	LI	c) Saw cut, remove and dispose of unreinforced concrete of to up 150mm thickness	m²	5	88,00	440,00	88,00	440,00	-	-	
2.1.3	PSDB8.3.1.2	LI	d) Remove and temporarily store paving block units	m²	10	45,00	450,00	45,00	450,00	-	-	
2.1.4	PSDB8.3.1.3	LI	e) Remove and temporarily store grass sods	m²	10	48,00	480,00	48,00	480,00	-	-	
2.1.5	PSDB8.3.1.4	LI	f) Remove and temporarily store all types of kerbs & edge beams	m	100	58,00	5 800,00	58,00	5 800,00	-	-	
2.1.6	PSDB8.3.1.5	LI										
2.2	8.3.2		EXCAVATIONS									
Excavate in all materials for trenches, backfill, compact, and dispose of surplus / unsuitable material for the following diameters:												
2.2.1			a) 110 mm diameter	m	5	190,00	950,00	190,00	950,00	-	-	
2.2.2			b) 160 mm diameter	m	6	190,00	1 140,00	190,00	1 140,00	-	-	
2.2.3			c) 250 mm diameter	m	447	200,00	89 400,00	200,00	89 400,00	-	-	
Extra-over items (2.2.1 to 2.2.3) above for												
2.2.4	PSDB 8.3.2 (b)		i) Intermediate excavation	m³	67	150,00	10 050,00	350,00	23 450,00	200,00	13 400,00	
2.2.5			ii) Hard rock excavation (including blasting)	m²	10	188,00	1 880,00	650,00	6 500,00	462,00	4 620,00	
TOTAL CARRIED FORWARD							R 196 550,00		214 570,00		R 18 020,00	

ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	TEDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES	
					QUANTITY	FINAL RATE	FINAL AMOUNT	RATE	AMOUNT	RATE	AMOUNT
			Brought forward				R 196 550,00		214 570,00		R 18 020,00
2.2.6	8.3.2(c)		Excavate and dispose of unsuitable material from trench bottom (Where instructed by the Engineer)	m³	14	148,00	2 072,00	148,00	2 072,00	-	-
2.3	8.3.3		EXCAVATION ANCILLARIES								
	8.3.3.1		Make up deficiency in backfill material (Provisional.)								
2.3.1			i) From other necessary excavations on site	m³	10	645,00	6 450,00	645,00	6 450,00	-	-
2.3.2	8.3.3.1(c)		ii) by importation from commercial sources or off-site sources selected by the Contractor	m³	7	800,00	5 600,00	800,00	5 600,00	-	-
2.3.3	8.3.3.3		Compaction in road reserves	m³	447	215,00	96 105,00	215,00	96 105,00	-	-
2.3.4	8.3.3.4		Overhaul	m³	10	18,00	180,00	52,50	525,00	34,50	345,00
2.3.5			a) Limited overhaul: Over 0,1km up to 1km (Provisional)	m³	30	25,00	750,00	94,50	2 835,00	69,50	2 085,00
2.3.6	8.3.5		Existing services that intersect or adjoin a pipe trench	No.	5	100,00	500,00	100,00	500,00	-	-
2.3.7			a) Services that intersect a trench	m	225	120,00	27 000,00	120,00	27 000,00	-	-
2.4	8.3.6		FINISHES								
2.4.1	PSDB8.3.6.1(a)	LI	a) Reinstatement of road crossings as per specifications, including the supply and installation of base & subbase material for reinstatement of road crossings.	m²	270	115,00	31 050,00	600,00	162 000,00	485,00	130 950,00
2.4.2	PSDB8.3.6.1(b)	LI	b) Re-instate unreinforced concrete, complete	m²	5	110,00	550,00	482,00	2 310,00	352,00	1 760,00
2.4.3	PSDB8.3.6.1(c)	LI	c) Re-instate paving blocks units, complete	m²	10	35,00	350,00	150,00	1 500,00	115,00	1 150,00
2.4.4	PSDB8.3.6.1(d)	LI	d) Re-instate grass sods, complete	m²	10	45,00	450,00	63,00	630,00	18,00	180,00
2.4.5	PSDB8.3.6.1(e)	LI	e) Re-instate all types of kerbing, complete	m	100	35,00	3 500,00	53,50	5 350,00	18,50	1 850,00
2.4.6	PSDB8.3.6.1(e)	LI	e) Re-instate all types of edge beams around paved roads, complete	m	25	45,00	1 125,00	52,50	1 312,50	7,50	187,50
2.4.7	SAJS1200DA	LI	f) Top soiling including trimming, filling, topsoiling and levelling of verges, removal of debris, rocks, etc. using stockpiled material.	m²	700	34,00	23 800,00	34,00	23 800,00	-	-
TOTAL CARRIED FORWARD							R 396 032,00		552 559,50		R 156 527,50

ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	TEDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES	
					QUANTITY	FINAL RATE	FINAL AMOUNT	RATE	AMOUNT	RATE	AMOUNT
			Brought forward				R 396 032,00		552 559,50		R 156 527,50
2.5	SABS1200LB		BEDDING								
2.5.1	8.2.1	LI	Provision of bedding from trench excavation	m²	291	100,00	29 100,00	100,00	29 100,00	-	-
2.5.2		LI	a) Selected granular material	m²	112	78,00	8 736,00	78,00	8 736,00	-	-
			b) Selected fill								
2.5.3	8.2.2.3	LI	From commercial sources (Provisional)	m²	15	100,00	1 500,00	231,00	3 465,00	131,00	1 965,00
2.5.4		LI	a) Selected granular material	m²	6	78,00	468,00	367,50	2 205,00	289,50	1 737,00
			b) Selected fill								
2.5.5	8.2.3		Concrete bedding cradle Class 19/20	m²	2	190,00	380,00	1 942,50	3 885,00	1 752,50	3 505,00
2.5.6	8.2.4		Encasing of pipes in concrete (20MPa)	m²	3	250,00	750,00	1 942,50	5 827,50	1 692,50	5 077,50
2.5.7	8.2.5		Overhaul of material (Provisional)	m³/km	10	65,00	650,00	94,50	945,00	29,50	285,00
2.5.8			a) Bedding cradle	m³/km	10	65,00	650,00	94,50	945,00	29,50	285,00
			b) Selected fill blanket								
2.6	SABS1200L		PIPES								
	8.2.1		Supply, lay and bed (Class B) complete with couplings including short lengths for pipes of the following materials and diameters								
2.6.1		LI	uPVC Class 12	m	10	250,00	2 500,00	250,00	2 500,00	-	-
2.6.2		LI	a) 110 mm diameter	m	447	425,75	190 308,06	425,75	190 308,06	-	-
			b) 250 mm diameter								
2.6.3			Steel flanged pipes	m	2	120,00	240,00	1 934,40	3 868,80	1 814,40	3 628,80
2.6.4		LI	a) 100 mm diameter	m	2	135,00	270,00	2 635,00	5 270,00	2 500,00	5 000,00
2.6.5		LI	b) 150 mm diameter								
2.7		LI	SPECIALS AND FITTINGS								
	8.2.2		Extra-over item for the supplying, handle, lay and bedding (Class B) of specials complete with couplings for High-Impact uPVC Class 12.								
TOTAL CARRIED FORWARD							R 631 584,06		809 614,86		R 178 030,80

ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	TEDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES	
					QUANTITY	FINAL RATE	FINAL AMOUNT	RATE	AMOUNT	RATE	AMOUNT
			Brought forward				R 631 584,06		809 614,86		R 178 030,80
			Bends								
2.7.1			90 degree bends	No.	0	110,00	-	110,00	-	-	-
2.7.2			a) 110 mm	No.	0	148,00	-	148,00	-	-	-
			b) 250mm								
2.7.3		LI	45 degree bends	No.	0	100,00	-	100,00	-	-	-
2.7.4			a) 110 mm	No.	0	134,00	-	134,00	-	-	-
			b) 250mm								
2.7.5		LI	22.5 degree bends	No.	1	125,00	125,00	5 093,55	5 093,55	4 968,55	4 968,55
			a) 250mm								
2.7.6		LI	Ductile Iron Tees	No.	1	120,00	120,00	2 673,00	2 673,00	2 553,00	2 553,00
2.7.7			a) 250 x 250mm	No.	3	480,00	1 440,00	2 967,03	8 901,09	2 487,03	7 461,09
2.7.8			b) 250 x 110mm Reducing Tee	No.	2	380,00	760,00	4 590,00	9 180,00	4 210,00	8 420,00
			c) 250 x 250mm (Hydrant Tee)								
2.7.9		LI	uPVC Reducers	No.	2	380,00	760,00	2 678,40	5 356,80	2 298,40	4 596,80
2.7.10			a) 250 x 200mm	No.	2	178,00	356,00	2 281,50	4 563,00	2 103,50	4 207,00
2.7.11			b) 160 x 110mm	No.	2	189,00	378,00	2 503,71	5 007,42	2 314,71	4 629,42
			c) 200 x 160mm								
2.7.12			V/J / Klamflex Couplings or Similar Approved	No.	2	140,00	280,00	140,00	280,00	-	-
2.7.13			a) 110mm dia	No.	3	160,00	480,00	160,00	480,00	-	-
			b) 250mm dia								
2.7.14			uPVC/AC Adaptor	No.	4	140,00	560,00	175,50	702,00	35,50	142,00
			a) 110mm dia								
2.7.15		LI	Repair Couplings	No.	0	120,00	-	120,00	-	-	-
2.7.16			a) 90mm	No.	0	160,00	-	160,00	-	-	-
2.7.17			b) 110mm	No.	0	100,00	-	100,00	-	-	-
			c) 160mm dia								
TOTAL CARRIED FORWARD							R 636 843,06		851 851,72		R 215 008,66

ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	TEDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES	
					QUANTITY	FINAL RATE	FINAL AMOUNT	RATE	AMOUNT	RATE	AMOUNT
			Brought forward				R 636 843,06		851 851,72		R 215 008,66
2.7.18		LI	Flanged Adaptor Ductile Iron for use with uPVC pipes								
2.7.19			a) 90mm dia.	No.	7	110,00	770,00	567,00	3 965,00	457,00	3 199,00
2.7.20			b) 110mm dia.	No.	6	120,00	720,00	577,53	3 465,18	457,53	2 745,18
			c) 250mm dia.	No.	4	180,00	720,00	918,00	3 672,00	738,00	2 952,00
2.7.21			Flange Adaptor (Klamflex TYPE for PVC-STEEL connections)								
2.7.22			a) 80mm dia.	No.	2	325,00	650,00	531,90	1 063,80	206,90	413,80
2.7.23			b) 100mm dia.	No.	1	160,00	160,00	576,45	576,45	416,45	416,45
			c) 250mm dia.	No.	2	380,00	760,00	918,00	1 836,00	538,00	1 076,00
2.8	PSL3.10.2	LI	VALVES								
	8.2.3		Extra-over on item .8.2.2 for the supplying, handle, lay, bed of valves with couplings in valve box. Complete with cutting of pipes and valve testing. CI gate to SABS 0664, Class 10, ends socketted for uPVC pipes to SABS 0996, non-rising spindle, LH closing.								
2.8.1			a) 90mm dia.	No.	3	144,00	432,00	2 409,21	7 227,63	2 265,21	6 795,63
2.8.2			b) 110mm dia.	No.	3	158,00	474,00	2 531,25	7 593,75	2 373,25	7 119,75
2.8.3			c) 160mm dia.	No.	0	162,00	-	162,00	-	-	-
2.8.4			d) 200mm dia.	No.	0	190,00	-	190,00	-	-	-
2.8.5			e) 250mm dia.	No.	1	190,00	190,00	5 238,00	5 238,00	5 048,00	5 048,00
2.9		LI	HYDRANTS								
			Supply, handle, lay, bed, concrete encasing in hydrant chamber, cast iron 80mmX65mm CAS HYDRANT WHB-80 H/W S/LUG fire hydrants complete in hydrant chambers and hydrant testing. As per DWG 2017/02/01/03:								
2.9.1			a) 90 mm diameter main	No.	2	135,00	270,00	3 623,40	7 246,80	3 488,40	6 976,80
2.9.2			b) 110mm diameter main	No.	1	110,00	110,00	5 089,50	5 089,50	4 979,50	4 979,50
TOTAL CARRIED FORWARD							R 642 095,06		898 829,83		R 256 730,77

ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	TEDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES	
					QUANTITY	FINAL RATE	FINAL AMOUNT	RATE	AMOUNT	RATE	AMOUNT
			Brought forward				R 642 099,06		898 829,83		R 256 730,77
2.10			DRAINING MAINS								
2.10.1	PC9.2.11		Draining water from abandoned secondary mains (Prov.)	Sum/500 stands	2	500,00	1 000,00	500,00	1 000,00	-	-
2.11			CONCRETE								
			Anchor/trust blocks and pedestals								
2.11.1	8.2.11		a) Concrete (15MPa minimum)	m³	4	2 500,00	10 000,00	2 500,00	10 000,00	-	-
2.11.2	8.2.11(b)		b) Formwork	m²	10	500,00	5 000,00	500,00	5 000,00	-	-
2.11.3			c) Reinforcement (100kg/m³)	t	0,5	1 500,00	750,00	1 500,00	750,00	-	-
2.11.4	8.2.12		Concrete encasing	m³	5	2 000,00	10 000,00	2 000,00	10 000,00	-	-
2.12			CHAMBERS								
			Supply, handle and install Round Plastic Valve Boxes with blue lids for the following pipe sizes:								
2.12.1			a) 90mm dia.	No.	5	250,00	1 250,00	361,80	1 809,00	111,80	559,00
2.12.2			b) 110mm dia.	No.	5	115,00	575,00	432,00	2 160,00	317,00	1 585,00
2.12.3			c) 160mm dia.	No.	1	125,00	125,00	553,50	553,50	428,50	428,50
2.12.4			d) 250mm dia.	No.	2	188,00	376,00	1 308,50	2 619,00	1 121,50	2 243,00
2.13			MARKINGS AND MARKER POSTS								
2.13.1	C2.1.7	LI	Supply & Install Concrete pipe markers	No.	3	1 500,00	4 500,00	1 500,00	4 500,00	-	-
TOTAL CARRIED TO SUMMARY : SECTION 2: SECONDARY MAINS RETICULATION CONSTRUCTION											R 261 546,27