

MATJHABENG

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



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Munisipaliteit
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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 olgalvanised 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 olgalvanised 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 Bomaremoso Trading & Project 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 leanership 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 let 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 1 629 785,02 thus the additional funding of R 259 529,61 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 258 970,00	R 355 670,00	R 96 700,00
2	Water pipe replacement construction	R 824 235,86	R 932 697,61	R 108 461,74
Sub-Total Amount 1		R 1 083 205,86	R 1 288 367,61	R 205 161,74
Contingencies 10%		R 108 320,59	R 128 836,76	R 20 516,17
Sub-Total Amount 2		R 1 191 526,45	R 1 417 204,37	R 225 677,92
15 % VAT		R 178 728,97	R 212 580,65	R 33 851,69
TOTAL AMOUNT		R 1 370 255,41	R 1 629 785,02	R 259 529,61

The cost implications for this variation order will be **R 259 529,60** inclusive of VAT. The total of the new contract on the project is **R 1 629 785,02**.


5. RECOMMENDATIONS

It is hereby recommended as follows:

- The recommendation of **R 1 629 785,02** VAT incl. constitute a shortfall of **R 259 529,61** (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 259 529,61** be approved to increase the project value to the **R 1 629 785,02** 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 VHUNGA
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:

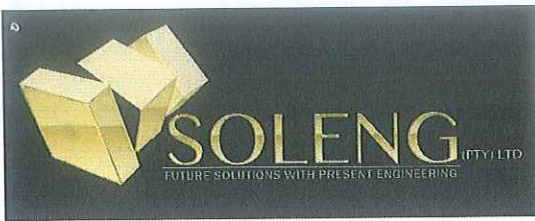

T. PANYANI
CHIEF FINANCIAL OFFICER

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:

GAUTENG
3 CONCORDE EAST RD
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EKURHULENI, 2007
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DIRECTORS
Tebogo Losaba (RSA)

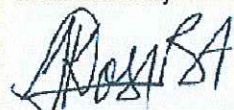
LINE NO.	SUMMARY OF SECTIONS	APPOINTMENT AMOUNT	PROPOSED CONTRACT AMOUNT	ADDITIONAL AMOUNT
1	TKM Destiny Projects	R 1 022 119,37	R 1 302 753,71	R 280 634,34
2	Bomaremoso Trading	R 1 370 255,41	R 1 629 785,02	R 259 529,61
3	Dzotho Trading 16	R 1 593 369,37	R 1 920 894,22	R 327 524,85
4	TCM Mohokare Projects	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 B
 PROJECT DESCRIPTION : Allanridge & Nyakallong replacement of old galvanised pipes with uPVC pipes
 CLIENT : Matjhabeng Local Municipality
 CONTRACTOR : Bomaremoso Trading
 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	258 970,00	355 670,00	96 700,00
2	SECTION 2: WATER PIPE REPLACEMENT CONSTRUCTION	824 235,86	932 697,61	108 461,75
SUB-TOTAL AMOUNT 1		R 1 083 205,86	R 1 288 367,61	R 205 161,75
PLUS: Allowance for Contingencies at 10%		R 108 320,59	R 128 836,76	R 20 516,17
SUB-TOTAL AMOUNT 2		R 1 191 526,44	R 1 417 204,37	R 225 677,92
PLUS: Allowance for VAT at 15%		R 178 728,97	R 212 580,65	R 33 851,69
TOTAL AMOUNT		R 1 370 255,41	R 1 629 785,02	R 259 529,61

CONTRACT NUMBER :: 03 / 2018 B
PROJECT DESCRIPTION :: Allandridge & Nyakalongo replacement of old galvanised steel pipes with uPVC pipes.
CLIENT :: Matshabeng Local Municipality
CONTRACTOR :: Bonamemoso Trading
ENGINEER :: SOLENG (Pty) Ltd

CONTRACT PRICE ADJUSTMENT				UNIT	DESCRIPTION	TENDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES		
ITEM	PAYMENT	LIC	QUANTITY			RATE	AMOUNT	RATE	AMOUNT	RATE	AMOUNT		
SECTION 1 : PRELIMINARY AND GENERAL													
1.1	SABS 1200A 8.3			Sum	1	2 100,00	2 100,00	10 000,00	10 000,00	7 900,00	7 900,00		
1.1.1	8.3.1 8.3.2												
1.1.3	PSA 8.4.2.1(a)			No.	1	15 750,00	15 750,00	15 750,00	15 750,00	-	-		
1.1.4				Sum	1	5 250,00	5 250,00	5 250,00	5 250,00	-	-		
(A) Facilities for Engineer													
(i) Project Name board													
(ii) Survey assistants, equipment and material													
(B) Facilities for the Contractor													
1.1.5	8.3.2.2			Sum	1	10 500,00	10 500,00	10 500,00	10 500,00	-	-		
1.1.6				Sum	1	3 150,00	3 150,00	3 150,00	3 150,00	-	-		
1.1.7				Sum	1	3 150,00	3 150,00	3 150,00	3 150,00	-	-		
1.1.8				Sum	1	2 100,00	2 100,00	2 100,00	2 100,00	-	-		
1.1.9				Sum	1	10 500,00	10 500,00	10 500,00	10 500,00	-	-		
1.1.10				Sum	1	2 100,00	2 100,00	2 100,00	2 100,00	-	-		
1.1.11				Sum	1	2 100,00	2 100,00	2 100,00	2 100,00	-	-		
1.1.12	PSA 8.3.3			Sum	1	2 100,00	2 100,00	2 100,00	2 100,00	-	-		
1.1.13	8.3.4			Sum	1	8 400,00	8 400,00	8 400,00	8 400,00	-	-		
1.1.14	C2.1.9			Sum	1	4 200,00	4 200,00	8 000,00	8 000,00	3 800,00	3 800,00		
1.1.15	PSA 8.4.6			Sum	1	30 450,00	30 450,00	30 450,00	30 450,00	-	-		
1.2	8.4												
1.2.1	8.4.1			Month	2	2 100,00	4 200,00	2 100,00	4 200,00	-	-		
1.2.3	PSA 8.4.2.1			Month	2	105,00	210,00	105,00	210,00	-	-		
1.2.4	8.3.2.1			Month	2	3 150,00	6 300,00	3 150,00	6 300,00	-	-		
(A) Facilities for Engineer													
(ii) Name board (No 1)													
(iii) Survey assistants, equipment and material													
TOTAL CARRIED FORWARD						R 112 560,00		124 260,00		R 11 700,00			

CONTRACT NUMBER : 03 / 2018 B
 PROJECT DESCRIPTION : Allamridge & Nyakalongo replacement of old galvanised steel pipes with uPVC pipes.
 CLIENT : Mathabeng Local Municipality
 CONTRACTOR : Bomaremo Trading
 ENGINEER : SOLENG (Pty) Ltd

CONTRACT PRICE ADJUSTMENT				TENDERED RATES			NEW TENDER RATES			DIFFERENCE IN RATES	
ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	RATE	AMOUNT	RATE	AMOUNT
			Brought forward				R 112 560,00		124 260,00		R 11 700,00
1.2.5	8.4.2.2		(B) Facilities for Contractor								
1.2.6			(a) Offices and storage sheds	Month	2	1 575,00	3 150,00	1 575,00	3 150,00	-	-
1.2.7			(b) Workshops	Month	2	525,00	1 050,00	525,00	1 050,00	-	-
1.2.8			(c) Ablution and Latrine facilities	Month	2	2 520,00	5 040,00	2 520,00	5 040,00	-	-
1.2.9			(d) Tools and equipment	Month	2	1 050,00	2 100,00	1 050,00	2 100,00	-	-
1.2.10			(e) Water supplies and electric power and communications	Month	2	2 100,00	4 200,00	2 100,00	4 200,00	-	-
1.2.11			(f) Dealing with water (see sub-clause 5.5)	Month	2	1 050,00	2 100,00	1 050,00	2 100,00	-	-
1.2.12			(g) Access (see sub-clause PSA 5.8)	Month	2	525,00	1 050,00	525,00	1 050,00	-	-
			(h) Plant	Month	2	10 500,00	21 000,00	10 500,00	21 000,00	-	-
			Supervision for duration of Construction Specify rate composition	Sum	1	21 000,00	21 000,00	106 000,00	106 000,00	85 000,00	85 000,00
1.2.13	PSA 8.4.3		Company and head office overhead Costs for the duration of the Contract	Month	2	4 725,00	9 450,00	4 725,00	9 450,00	-	-
1.2.14	8.4.5		Other time-related obligations Specify rate composition	Month	2	1 050,00	2 100,00	1 050,00	2 100,00	-	-
1.2.15	PSA 8.4.7		On-site security	Month	2	5 250,00	10 500,00	5 250,00	10 500,00	-	-
1.2.16	C2.1.9		EMP implementation and maintenance	Month	2	2 100,00	4 200,00	2 100,00	4 200,00	-	-
1.3	8.5		PROVISIONAL SUMS STATED BY ENGINEER								
	PD2.3		a) Community liaising officer/s (CLO/s)								
1.3.1	PD2.3.1(a)		i) CLO/s salary (R5500-00/month)	Months	2	5 500,00	11 000,00	5 500,00	11 000,00	-	-
1.3.2	PD2.3.2(b)		ii) Provision of CLO/s cellular phone	Prov Sum	1	1 500,00	1 500,00	1 500,00	1 500,00	-	-
1.3.3	PD2.3.2 (c)		iii) Cost of calls by the CLO/s	Months	2	100,00	200,00	100,00	200,00	-	-
1.3.4			b) Overheads charges and profit on item (a) above (Max. 10%)	%	12 700	10%	1 270,00	10%	1 270,00	-	-
1.3.5			c) Water Network Investigation (Engineer's Provisional Sum)	Prov Sum	1	18 000,00	18 000,00	18 000,00	18 000,00	-	-
1.3.6			d) Overheads charges and profit on item (c) above (Max. 10%)	%	18 000	10%	1 800,00	10%	1 800,00	-	-
TOTAL CARRIED FORWARD							R 233 270,00		329 970,00		R 96 700,00

CONTRACT NUMBER : 03 / 2018 B
 PROJECT DESCRIPTION : Allamridge & Nyakallong replacement of old galvanised steel pipes with uPVC pipes.
 CLIENT : Mathabeng Local Municipality
 CONTRACTOR : Bomaremo Trading
 ENGINEER : SOLENG (Pty) Ltd

CONTRACT PRICE ADJUSTMENT							DIFFERENCE IN RATES			
ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	TENDERED RATES			NEW TENDER RATES		
					QUANTITY	RATE	AMOUNT	RATE	AMOUNT	AMOUNT
			Brought forward				R 233 270,00		329 970,00	R 96 700,00
1.4	8.8		TEMPORARY WORKS							
	8.8.4	LI	Existing Services							
1.4.1			a) Excavation by hand in all material to expose existing services	m³	75	63,00	4 725,00	63,00	4 725,00	-
1.4.2			b) Temporary protection of existing services	Sum	1	1 575,00	1 575,00	1 575,00	1 575,00	-
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	1 050,00	6 300,00	1 050,00	6 300,00	-
1.5			ACCOMMODATION OF TRAFFIC							
	SANS 1200D 8.3.12		Road Traffic Signs and Markings							
1.5.1			a) Dealing with Traffic for the duration of the contract	Sum	1	2 100,00	2 100,00	2 100,00	2 100,00	-
1.6	8.7		DAYWORKS							
	a) Labour									
1.6.1			i) Site Agent	Rate Only hours	-	213,07	-	213,07	-	-
1.6.2			ii) Qualified artisan/s	Rate Only hours	-	46,88	-	46,88	-	-
1.6.3			iii) Foreman, leader hand/s	Rate Only hours	-	127,84	-	127,84	-	-
1.6.4			iv) Semi-skilled labour/s	Rate Only hours	-	37,50	-	37,50	-	-
1.6.5			v) Labourer/s (Unskilled)	Rate Only hours	-	28,13	-	28,13	-	-
TOTAL CARRIED FORWARD							247 970,00		344 670,00	96 700,00

CONTRACT NUMBER : 03 / 2018 B
 PROJECT DESCRIPTION : Allanridge & Nyakalling replacement of old galvanised steel pipes with uPVC pipes.
 CLIENT : Matjhabeng Local Municipality
 CONTRACTOR : Bomharemoso Trading
 ENGINEER : SOLENG (Pty) Ltd

CONTRACT PRICE ADJUSTMENT											
ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	TENDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES	
					QUANTITY	RATE	AMOUNT	RATE	AMOUNT	RATE	AMOUNT
			Brought forward				247 970,00		344 670,00		96 700,00
			b) Planthire: Work rates on Site								
1.6.6			i) LDV/s	Rate Only hours	-	468,75	-	468,75	-	-	-
1.6.7			ii) Tractor loader backhoe (TLB)	Rate Only hours	-	562,50	-	562,50	-	-	-
1.6.8			iii) Pedestrian roller/s	Rate Only hours	-	172,50	-	172,50	-	-	-
1.6.9			iv) Concrete mixer/s	Rate Only hours	-	12,50	-	12,50	-	-	-
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%)	%	10 000,00	10%	1 000,00	10%	1 000,00	-	-
			e) Miscellaneous								
1.6.12			i) Compressor with capacity of 125cfm	Rate Only hours	-	84,38	-	84,38	-	-	-
1.6.13			ii) Water pump/s with 40mm outlet (diesel driven)	Rate Only hours	-	84,38	-	84,38	-	-	-
1.6.14			iii) Welding unit (300Amp)	Rate Only hours	-	65,63	-	65,63	-	-	-
1.6.15			iv) 2.3.1KVA Diesel-driven generator set	Rate Only hours	-	97,50	-	97,50	-	-	-
TOTAL CARRIED TO SUMMARY : SECTION 1: PRELIMINARY & GENERAL							258 970,00		355 670,00		96 700,00

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

CONTRACT PRICE ADJUSTMENT

CONTRACT PRICE ADJUSTMENT					TENDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES	
ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	QUANTITY	RATE	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	600	9.45	5 670,00	45,00	27 000,00	35,55	21 330,00
2.1.1	8.3.1(c)		b) Saw cut, remove and dispose of asphalt and stone crush base up to 200mm thickness	m²	210	94.50	19 845,00	94,50	19 845,00	-	-
2.1.2	PSDB8.3.1.1	LI	c) Saw cut, remove and dispose of unreinforced concrete of to up to 200mm thickness	m²	5	84,00	420,00	84,00	420,00	-	-
2.1.3	PSDB8.3.1.2	LI	d) Remove and temporarily store paving block units	m²	10	26.25	262.50	26.25	262.50	-	-
2.1.4	PSDB8.3.1.3	LI	e) Remove and temporarily store grass sods	m²	0	26.25	-	26.25	-	-	-
2.1.5	PSDB8.3.1.4	LI	f) Remove and temporarily store all types of kerbs & edge beams	m	60	21,00	1 260,00	21,00	1 260,00	-	-
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	25.20	126,00	75,00	375,00	49.80	249,01
2.2.2			b) 160 mm diameter	m	0	37.80	-	100,00	-	62.20	-
2.2.3			c) 250 mm diameter	m	350	50.40	17 640,00	100,00	35 000,00	49.60	17 360,00
Extra-over items (2.2.1 to 2.2.3) above for											
2.2.4	PSDB 8.3.2 (b)		i) Intermediate excavation	m³	35	63,00	2 205,00	350,00	12 250,00	287,00	10 045,00
2.2.5			ii) Hard rock excavation (including blasting)	m³	5	606.38	3 031.88	650,00	3 250,00	43.62	218,12
2.2.6	8.3.2(c)		Excavate and dispose of unsuitable material from trench bottom (Where instructed by the Engineer)	m³	5	189,00	945,00	189,00	945,00	-	-
TOTAL CARRIED FORWARD					R 51 405,38			100 607,50		R 49 202,13	

ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	TENDERED RATES			NEW TENDER RATES			DIFFERENCE IN RATES	
					QUANTITY	RATE	AMOUNT	RATE	AMOUNT		RATE	AMOUNT
			Brought forward				R 51 405,38		100 607,50			R 49 202,13
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	8	59,06	472,50	59,06	472,50		-	-
2.3.2	8.3.3.1(c)		ii) by importation from commercial sources or off-site sources selected by the Contractor	m³	4	441,00	1 764,00	441,00	1 764,00		-	-
2.3.3	8.3.3.3		Compaction in road reserves	m³	350	175,00	61 250,00	175,00	61 250,00		-	-
2.3.4	8.3.3.4		Overhaul									
2.3.5			a) Limited overhaul: Over 0.1km up to 1km (Provisional)	m³	3	52,50	157,50	52,50	157,50		-	-
2.3.6			b) Long overhaul: Over 1km (Provisional)	m³/km	6	94,50	567,00	94,50	567,00		-	-
2.3.7	8.3.5		Existing services that intersect or adjoin a pipe trench									
2.3.8			a) Services that intersect a trench	No.	5,0	756,00	3 780,00	756,00	3 780,00		-	-
2.3.9			b) Services that adjoin a trench	m	330	126,00	41 580,00	126,00	41 580,00		-	-
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	210	453,60	95 256,00	453,60	95 256,00		-	-
2.4.2	PSDB8.3.6.1(b)	LI	b) Re-instate unreinforced concrete, complete	m²	0	462,00	-	462,00	-		-	-
2.4.3	PSDB8.3.6.1(c)	LI	c) Re-instate paving blocks units, complete	m²	10	63,00	630,00	150,00	1 500,00		87,00	870,00
2.4.4	PSDB8.3.6.1(d)	LI	d) Re-instate grass sods, complete	m²	0	63,00	-	63,00	-		-	-
2.4.5	PSDB8.3.6.1(e)	LI	e) Re-instate all types of kerbing, complete	m	60	52,50	3 150,00	52,50	3 150,00		-	-
2.4.6	PSDB8.3.6.1(f)	LI	f) Re-instate all types of edge beams around paved roads, complete	m	25	52,50	1 312,50	52,50	1 312,50		-	-
2.4.7	SABS1200DA	LI	Top soiling including trimming, filling, topsoiling and levelling of verges, removal of debris, rocks, etc. using stockpiled material.	m²	600	126,00	75 600,00	126,00	75 600,00		-	-
2.5	SABS1200LB		BEDDING									
2.5.1	8.2.1	LI	Provision of bedding from trench excavation	m³	228	62,86	14 332,50	62,86	14 332,50		-	-
2.5.2		LI	a) Selected granular material	m³	88	83,52	7 350,00	83,52	7 350,00		-	-
			b) Selected fill									
TOTAL CARRIED FORWARD							R 358 607,37		408 679,50			R 50 072,13

ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	TENDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES	
					QUANTITY	RATE	AMOUNT	RATE	AMOUNT	RATE	AMOUNT
			Brought forward				R 358 607,37		408 679,50		R 50 072,13
2.5.3	8.2.2.3	LI	From commercial sources (Provisional)	m³	10	231,00	2 310,00	231,00	2 310,00	-	-
2.5.4		LI	a) Selected granular material	m³	4	367,50	1 470,00	367,50	1 470,00	-	-
2.5.5	8.2.3		b) Selected fill	m³	2	1 942,50	3 885,00	1 942,50	3 885,00	-	-
2.5.6	8.2.4		Concrete bedding cradle Class 19/20	m³	3	1 942,50	5 827,50	1 942,50	5 827,50	-	-
2.5.7	8.2.5		Encasing of pipes in concrete (20MPa)	m³	5	94,50	472,50	94,50	472,50	-	-
2.5.8			Overhaul of material (Provisional)	m³/km	5	94,50	472,50	94,50	472,50	-	-
2.6	SABS1200L		a) Bedding cradle	m³/km	5	94,50	472,50	94,50	472,50	-	-
			b) Selected fill blanket								
			PIPES								
			Supply, lay and bed (Class B) complete with couplings including short lengths for pipes of the following materials and diameters								
2.6.1	8.2.1	LI	uPVC Class 12	m	5	94,50	472,50	247,81	1 239,03	153,31	766,53
2.6.2		LI	a) 110 mm diameter	m	460	577,50	265 650,00	640,06	294 428,52	82,56	28 778,52
2.6.3			b) 250 mm diameter								
2.6.3			Steel flanged pipes	m	2	168,00	336,00	1 934,40	3 868,80	1 766,40	3 532,80
2.6.4		LI	a)100 mm diameter	m	2	892,50	1 785,00	2 635,00	5 270,00	1 742,50	3 485,00
2.6.5		LI	b)150 mm diameter								
2.7		LI	SPECIALS AND FITTINGS								
			Extra-over item for the supplying, handle, lay and bedding (Class B) of specials complete with couplings for High-Impact uPVC Class 12.								
2.7.1	8.2.2		Bends	No.	0	877,80	-	877,80	-	-	-
2.7.2			90 degree bends	No.	0	4 712,40	-	4 712,40	-	-	-
2.7.3		LI	a) 110 mm	No.	0	877,80	-	877,80	-	-	-
2.7.4			b) 250mm	No.	0	4 712,40	-	4 712,40	-	-	-
2.7.5		LI	45 degree bends	No.	2	4 712,40	9 424,80	5 093,55	10 187,10	381,15	762,30
			22.5 degree bends								
			a) 250mm								
TOTAL CARRIED FORWARD								R 650 713,17	738 110,45	R 87 397,28	

ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	TENDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES	
					QUANTITY	RATE	AMOUNT	RATE	AMOUNT	RATE	AMOUNT
			Brought forward				R 650 713,17		738 110,45		R 87 397,28
2.7.6		LI	Ductile Iron Tees	No.	1	5 821,20	5 821,20	5 821,20	5 821,20	-	-
2.7.7			a) 250 x 250mm Reducing Tee	No.	3	5 880,00	17 640,00	5 880,00	17 640,00	-	-
2.7.8			b) 250 x 110mm Reducing Tee	No.	2	5 486,25	10 972,50	5 486,25	10 972,50	-	-
			c) 250 x 250mm (Hydrant Tee)	No.							
2.7.9		LI	uPVC Reducers	No.	1	1 848,00	1 848,00	2 673,00	2 673,00	825,00	825,00
2.7.10			a) 250 x 200mm	No.	2	1 386,00	2 772,00	2 281,50	4 563,00	895,50	1 791,00
2.7.11			b) 160 x 110mm	No.	1	1 270,50	1 270,50	2 503,71	2 503,71	1 233,21	1 233,21
			c) 200 x 160mm	No.							
2.7.12			VJ / Klamflex Couplings or Similar Approved	No.	1	727,65	727,65	727,65	727,65	-	-
2.7.13			a) 110mm dia	No.	1	2 772,00	2 772,00	2 772,00	2 772,00	-	-
			b) 250mm dia	No.							
2.7.14			uPVC/AC Adaptor	No.	3	311,85	935,55	311,85	935,55	-	-
			a) 110mm dia	No.							
2.7.15		LI	Repair Couplings	No.	0	294,00	-	294,00	-	-	-
2.7.16			a) 90mm	No.	0	317,52	-	317,52	-	-	-
2.7.17			b) 110mm	No.	0	552,72	-	552,72	-	-	-
			c) 160mm dia	No.							
2.7.18		LI	Flanged Adaptor Ductile Iron for use with uPVC pipes	No.	5	330,33	1 651,65	531,90	2 659,50	201,57	1 007,85
2.7.19			a) 90mm dia.	No.	6	369,60	2 217,60	576,45	3 458,70	206,85	1 241,10
2.7.20			b) 110mm dia.	No.	4	1 836,45	7 345,80	1 836,45	7 345,80	-	-
			c) 250mm dia.	No.							
2.7.21			Flange Adaptor (Klamflex TYPE for PVC-STEEL connections)	No.	2	330,33	660,66	531,90	1 063,80	201,57	403,14
2.7.22			a) 80mm dia.	No.	0	369,60	-	369,60	-	-	-
2.7.23			b) 100mm dia.	No.	1	1 836,45	1 836,45	1 836,45	1 836,45	-	-
			c) 250mm dia.	No.							
2.8	PSL3.10.2	LI	VALVES	No.	2	4 158,00	8 316,00	4 158,00	8 316,00	-	-
	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.	No.							
2.8.1			a) 90mm dia.	No.	2	4 158,00	8 316,00	4 158,00	8 316,00	-	-
TOTAL CARRIED FORWARD							R 717 500,73		811 399,31		R 93 898,58

ITEM	PAYMENT	LIC	DESCRIPTION	UNIT	TENDERED RATES			NEW TENDER RATES		DIFFERENCE IN RATES	
					QUANTITY	RATE	AMOUNT	RATE	AMOUNT	RATE	AMOUNT
			Brought forward				R 717 500,73		811 399,31		R 93 898,58
2.8.2			b) 110mm dia.	No.	2	5 197,50	10 395,00	5 197,50	10 395,00	-	-
2.8.3			c) 160mm dia.	No.	0	8 778,00	-	8 778,00	-	-	-
2.8.4			d) 200mm dia.	No.	0	17 094,00	-	17 094,00	-	-	-
2.8.5			e) 250mm dia.	No.	1	27 951,00	27 951,00	27 951,00	27 951,00	-	-
2.9		LI	HYDRANTS Supply, handle, lay, bed, concrete encasing in hydrant chamber, cast iron 80mmX65mm SERIES 26/61 TYPE 1 Underground 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	1 819,13	3 638,25	3 623,40	7 246,80	1 804,28	3 608,55
2.9.2			b) 110mm dia main	No.	1	2 223,38	2 223,38	5 089,50	5 089,50	2 866,12	2 866,12
2.10			DRAINING MAINS								
2.10.1	PC8.2.11		Draining water from abandoned secondary mains (Prov.)	Sum/500 stands	2	10 500,00	21 000,00	10 500,00	21 000,00	-	-
2.11			CONCRETE								
			Anchor/thrust blocks and pedestals								
2.11.1			a) Concrete (15MPa minimum)	m³	4	1 680,00	6 720,00	1 680,00	6 720,00	-	-
2.11.2	8.2.11(b)		b) Formwork	m²	20	63,00	1 260,00	350,00	7 000,00	287,00	5 740,00
2.11.3			c) Reinforcement (100kg/m³)	t	1,0	18 375,00	18 375,00	18 375,00	18 375,00	-	-
2.11.4	8.2.12		Concrete encasing	m³	5	1 680,00	8 400,00	1 680,00	8 400,00	-	-
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	315,00	1 575,00	415,40	2 077,00	100,40	502,00
2.12.2			b) 110mm dia.	No.	4	472,50	1 890,00	496,00	1 984,00	23,50	94,00
2.12.3			c) 160mm dia.	No.	1	525,00	525,00	635,50	635,50	110,50	110,50
2.12.4			d) 250mm dia.	No.	2	682,50	1 365,00	1 503,50	3 007,00	821,00	1 642,00
2.13			MARKINGS AND MARKER POSTS								
2.13.1	C2.1.7 C2.1.7.2	LI	Supply & Install Concrete pipe markers	No.	3	472,50	1 417,50	472,50	1 417,50	-	-
TOTAL CARRIED TO SUMMARY - SECTION 2: SECONDARY MAINS RETICULATION CONSTRUCTION							R 824 235,86		932 697,61		R 108 461,75