1D-32020 PRICING DATA

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PRICING DATA

BILL OF QUANTITIES

SECTION 1 **Preliminaries and General**

PART $\mathbf{A}\mathbf{A}$ **PRELIMINARIES**

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	GCC 2015	GENERAL CONDITIONS OF CONTRACT (GCC 2015) READ IN CONJUNCTION WITH THE CONTRACT DATA Fixed Charge obligations	sum	1		
2	GCC 2015	Time Related obligations	sum	1		
3	SANS 1921-1 & SABS 1200 A	SANS 1921-1 & SABS 1200 A: GENERAL ENGINEERING AND CONSTRUCTION WORKS READ IN CONJUNCTION WITH THE ASSOCIATED SPECIFICATION DATA IN THE SCOPE OF WORKS	sum	1		
		Fixed Charge Items				
4	SANS 1921-1	Time Related Items	sum	1		
5	C.1.2.3.1	COMMUNITY LIAISON OFFICER	PC Sum	114240	1.00	114,240.00
		Allow for a CLO to be appointed.				
6	C.1.2.3.1	% Mark-up for item 5 above	%	114240		
7	C.1.2.3.4	LOCAL LABOUR	sum	1		
		Allow for the weekly submission of proof of employment of local labour				

TOTAL CARRIED TO SECTION 1 SUMMARY: Preliminaries and General

GENERAL SPECIFICATIONS PART AB

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PS.AB.14	Setting out	sum	1		
2	PS.AB.14	Additions to setting out (fixing of control points)	sum	1		
3	AB.4	Contractor's Camp Site / Store Yard	sum	1		
4	AB.5	Notice Board	sum	1		
5	PS.AB.6	Cost of Samples and Contractor's Preliminary and Site Control Testing	sum	1		
6	AB.7	Initial supply of all signs, barricades and delineators	sum	1		
7	AB.7	Maintenance of all signs, barricades and delineators	sum	1		
8	PS.AB.8	Road Deviations (Temporary by-pass of Type B category)	sum	1		

Part Continued PART AB GENERAL SPECIFICATIONS

Item	Clause	Description	Unit	Quantity	Rate	Amount
9	PS.AB.9	Survey coordination of existing valves, manholes, catchpits, and cable duct markers	sum	1		
10	PS.AB.15	Temporary stream diversion and removal of stream diversion	sum	1		
11	PS.AB.10	Survey for, and Preparation of, 'As-Built' Drawings	sum	1		
12	C1.2.3.7	Excepted Risks: Establishment	sum	1		
13	C1.2.3.7	Excepted Risks: De-establishment	sum	1		
14	PS.11	Site Security	PC Sum	369478.9	1.00	369,478.90

TOTAL CARRIED TO SECTION 1 SUMMARY: Preliminaries and General

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PART AH OCCUPATIONAL HEALTH and SAFETY

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PS.AH.10	Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations	sum	1		
2	PS.AH.10	Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations	sum	1		
3	PS.AH.10	Submission of the Health and Safety File	sum	1		

TOTAL CARRIED TO SECTION 1 SUMMARY: Preliminaries and General

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Stormwater Upgrade SECTION 2

SITE CLEARANCE **PART** \mathbf{B}

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	B.8.2	General clearance of the site area and remove all debris such as gabbage and the existing concrete structures and brickwork from the site and spoil at tip. Rate to include all haulage	m2	120		
2	B.8.2	General clearance and grubbing in contractor's camp site	m2	40		
3	B.8.2	General clearance and grubbing in temporary stockpile area	m2	50		
4	B.8.2	General clearance and grubbing in private property	m2	50		
5	B.8.3	General clearance and grubbing for pipelines in road reserve	m2	348		
6	B.8.5	Removal of 1.8 m high wire mesh fence and store on site for re-use	m	25		
7	PS.B.9	Demolition of manholes and inlets	no.	9		
8	B.8.10	Removal of unreinforced concrete	m3	5		
9	B.8.11	Removal of reinforced concrete	m3	56.9		
10	B.8.15	Removal of asphalt sidewalks/medians to tip	m	10		
11	B.8.16	Removal of kerb and channel/fillet to tip	m	36		
12	B.8.19	Removal of disused pipes, 300 - 500 mm diameter and spoil at tip. Rate to include all haulage	m	37		
13	B.8.19	Removal of disused pipes, 500 - 800 mm diameter and spoil at tip. Rate to include all haulage	m	52		
14	B.8.19	Removal of disused pipes, greater than 800 mm diameter and spoil at tip. Rate to include all haulage	m	50		

TOTAL CARRIED TO SECTION 2 SUMMARY: Stormwater Upgrade

PART \mathbf{C} **CONCRETE WORK**

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	C.8.1	Grade 15/26 concrete blinding of thickness 75 mm	m2	219		
2	C.8.1	Grade 30/26 concrete in base slab of culvert	m3	49.2		
3	C.8.1	Grade 30/26 concrete in walls of culvert	m3	98.1		
4	C.8.1	Grade 30/26 concrete in deck slab of culvert	m3	49.2		

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Part Continued PART C CONCRETE WORK

Item	Clause	Description	Unit	Quantity	Rate	Amount
5	C.8.1	Grade 30/26 concrete in appron slab of culvert	m3	0.5		
6	C.8.1	Grade 30/26 concrete in wing walls of culvert	m3	2		
7	C.8.2	High tensile steel reinforcement	t	25		
8	C.8.3	Class 3a shuttering to base slab of culvert	m2	198		
9	C.8.3	Class 3a shuttering to walls of culvert	m2	660		
10	C.8.3	Class 3a shuttering to deck slab of culvert	m2	140		
11	C.8.3	Class 3a shuttering to appron slab of culvert	m2	2		
12	C.8.3	Class 3a shuttering to wing walls of culvert	m2	9		

TOTAL CARRIED TO SECTION 2 SUMMARY: Stormwater Upgrade

PART DA EARTHWORKS: BULK

tem	Clause	Description	Unit	Quantity	Rate	Amount
1	DA.8.3	Excavate unsuitable material below embankments or formation and spoil at tip	m3	70		
2	PS.DA.5	Import suitable fill material from contractor's off-site source inclusive of all haulage and royalties	m3	70		
3	DA.8.5	Compact imported fill material to 93% Mod. A.A.S.H.T.O. Rate to include all haulage and royalties	m3	70		
4	DA.8.9	Formation	m2	220		

TOTAL CARRIED TO SECTION 2 SUMMARY: Stormwater Upgrade

PART DB EARTHWORKS FOR PIPE TRENCHES

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	DB.8.5	Excavate and backfill in all material for 450 mm diameter pipe where depth is : Over 1,5 m and not exceeding 2,0 m	m3	40		
2	DB.8.5	Excavate and backfill in all material for 600 mm diameter pipe where depth is : Over 1,5 m and not exceeding 2,0 m	m3	80		
3	DB.8.5	Excavate and backfill in all material for 900 mm diameter pipe where depth is : Over 1,5 m and not exceeding 2,0 m	m3	140		
4	DB.8.9	Provision of selected fill for pipe bedding from a commercial or off-site source	m3	70		

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Part Continued PART DB EARTHWORKS FOR PIPE TRENCHES

Item	Clause	Description	Unit	Quantity	Rate	Amount
5	DB.8.10	Placing and compacting of Class C bedding for 450 mm diameter pipe	m3	25		
6	DB.8.10	Placing and compacting of Class C bedding for 600 mm diameter pipe	m3	17		
7	DB.8.10	Placing and compacting of Class C bedding for 900 mm diameter pipe	m3	25		
8	DB.8.15	Disposal of unsuitable or surplus material from trench excavation	m3	260		
9	DB.8.19	Prove existing services by hand excavation (provisional), where depth is: Over 1,5 m and not exceeding 2,0 m	m3	260		

TOTAL CARRIED TO SECTION 2 SUMMARY: Stormwater Upgrade

PART DD EARTHWORKS FOR STRUCTURES

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	DD.8.2	Excavate in all unsuitable material for culvert to spoil at an approve tip. Rate to include all haulage)	m3	500		
2	PS.DD.5	Prove existing services by hand excavation (provisional) where depth is: Over 0,0 m and not exceeding 0,5 m	m3	500		
3	DD.8.3	Backfill and compact using imported material from contractor's own source to 93 % Mod. A.S.S.H.T.O. Rate to include all haulage and royalties	m3	170		
4	PS.DD.2	Design, installation and removal of a ground lateral support system to secure the excavated surfaces	sum	1		
5	DD.8.5	Culvert bedding ([19] mm stone mat)	m3	7		

TOTAL CARRIED TO SECTION 2 SUMMARY: Stormwater Upgrade

PART ED ROAD ASPHALT

Ite	n Clause	Description	Unit	Quantity	Rate	Amount
	1 PS.ED.2	Saw Cut existing road	m	105		

TOTAL CARRIED TO SECTION 2 SUMMARY: Stormwater Upgrade

PART PG NON PRESSURE PIPELINES and PC CULVERTS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PG.8.2	450 mm diameter concrete Class 100D	m	37		

Part Continued	PART	PG	NON PRESSURE PIPELINES and PC CIII VERTS

Item Clause	Description	Unit	Quantity	Rate	Amount
2 PG.8.2	600 mm diameter concrete Class 100D	m	52		

TOTAL CARRIED TO SECTION 2 SUMMARY: Stormwater Upgrade

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PART PH MANHOLES and APPURTENANT DRAINAGE WORKS

Item	Clause	Description	Unit	Quantity	Rate	Amount
	PH.8.2	Manhole type A with inlet type cover S1. Depth : Over 1,5 m and not exceeding 2,0 m	no.	8		

TOTAL CARRIED TO SECTION 2 SUMMARY: Stormwater Upgrade

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SECTION 3 Gabion Protection Works

PART B SITE CLEARANCE

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	B.8.2	General clearance of the site area and remove all debris such as gabbage and all debris	m2	140		
2	B.8.2	General clearance and grubbing in temporary stockpile area	m2	48		
3	B.8.2	General clearance and grubbing along the stream	m2	280		
4	B.8.4	Removal of trees of girth exceeding 1,5 m	no.	4		

TOTAL CARRIED TO SECTION 3 SUMMARY: Gabion Protection Works

PART C CONCRETE WORK

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	C.8.1	Grade 15/26 concrete blinding of thickness 50 mm	m2	20		
2	C.8.1	Grade 20/26 concrete in base slabs	m3	6		
3	C.8.3	Class 3a shuttering to base slabs	m2	4.2		
4	PS.C.8	Dowel bars installation	no.	10		

TOTAL CARRIED TO SECTION 3 SUMMARY: Gabion Protection Works

PART DA EARTHWORKS: BULK

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	DA.8.3	Excavate unsuitable material and spoil at tip	m3	260		
2	PS.DA.5	Import suitable fill material from contractor's off-site source inclusive of haulage and royalties	m3	260		
3	DA.8.5	Compact imported fill material to 95% Mod. A.A.S.H.T.O.	m3	260		
4	DA.8.6	Trimming of embankments	m2	210		
5	DA.8.9	Formation	m2	420		

TOTAL CARRIED TO SECTION 3 SUMMARY: Gabion Protection Works

PART DC EARTHWORKS FOR CONCRETE LINED CANALS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	DC.8.2	Excavate in all unsuitable material for gabions to spoil at an approved tip. Rate to include stockpile handling	m3	510		
2	DC.8.3	Backfilling and compaction using material from contractor's own source to 93% Mod. A.S.S.H.T.O. Rate to include all haulage and royalties.	m3	510		

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PART DC EARTHWORKS FOR CONCRETE LINED CANALS

Item	Clause	Description	Unit	Quantity	Rate	Amount
TOTAL	CARDIED #	O SECTION 2 SUBMITTEE OF 1	N 4 4 387 1		D	

TOTAL CARRIED TO SECTION 3 SUMMARY: Gabion Protection Works

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PART EL DUMPROCK SUBGRADE IMPROVEMENT

Item Clause	Description	Unit	Quantity	Rate	Amount
1 EL.8	Dumprock subgrade improvement, 300 mm thick	m3	300		

TOTAL CARRIED TO SECTION 3 SUMMARY: Gabion Protection Works

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PART F PROTECTION WORKS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	F.8.1	Imported topsoil: thickness 100 mm	m2	210		
2	F.8.3	Grass planting	m2	210		
3	F.8.6	Supply and placement of Galvanised PVC Coated Gabion mattresses, 300 mm thick	m3	90		
4	F.8.6	Supply and placement of Galvanised PVC Coated Gabion boxes : 1000 mm depth	m3	300		
5	PS.F.3	Supply and place general grade geofabric	m2	890		

TOTAL CARRIED TO SECTION 3 SUMMARY: Gabion Protection Works

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SECTION 4 Reinstatement

PART S REINSTATEMENT

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	S.8.1	Reinstatement of ground surface along private property and culvert section adjacent private property	m2	110		
2	S.8.1	Reinstatement of ground surface on temporary stockpile site	m2	46		
3	S.8.2	Road Category C-Permanent road reinstatement 80 mm Mix D, 150mm Crusher run, Trench backfill with CBr 4 or more	m2	374		
4	S.8.2	Reinstatement of asphalt sidewalk 25mm- Asphalt Private Plant	m2	72		
5	S.8.3	Reinstatement of type C kerb and channel/fillet	m	36		
6	S.8.4	Reinstatement of wire or plastic coated mesh fence, 1,8 m high	m	25		

TOTAL CARRIED TO SECTION 4 SUMMARY: Reinstatement

SECTION 1 Preliminaries and General

PART AA	PRELIMINARIES			
PART AB	GENERAL SPECIFICATIONS			
PART AH	OCCUPATIONAL HEALTH and SAFETY			
TOTAL CARRIED TO FINAL SUMMARY				

SECTION 2 Stormwater Upgrade

PART	В	SITE CLEARANCE	
PART	С	CONCRETE WORK	
PART	DA	EARTHWORKS : BULK	
PART	DB	EARTHWORKS FOR PIPE TRENCHES	
PART	DD	EARTHWORKS FOR STRUCTURES	
PART	ED	ROAD ASPHALT	
PART	PG	NON PRESSURE PIPELINES and PC CULVERTS	
PART	PH	MANHOLES and APPURTENANT DRAINAGE WORKS	
			<u> </u>

TOTAL CARRIED TO FINAL SUMMARY

SECTION 3 Gabion Protection Works

PART B	SITE CLEARANCE	
PART C	CONCRETE WORK	
PART DA	EARTHWORKS : BULK	
PART DC	EARTHWORKS FOR CONCRETE LINED CANALS	
PART EL	DUMPROCK SUBGRADE IMPROVEMENT	
PART F	PROTECTION WORKS	

TOTAL CARRIED TO EDIAL CIRRALDY	
TOTAL CARRIED TO FINAL SUMMARY	
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SECTION	4	Reinstatement

PART S	REINSTATEMENT		
TOTAL CARRIED TO FINAL SUMMARY			

1D-32020 PRICING DATA

SUMMARY OF BILL OF QUANTITIES

Sect	<u>tion</u>			
1	Pre	iminaries and General	R	
	AA	PRELIMINARIES	R	=
	AB	GENERAL SPECIFICATIONS	R	=
	AH	OCCUPATIONAL HEALTH and SAFETY	R	_
2	Sto	mwater Upgrade		R
	В	SITE CLEARANCE	R	_
	C	CONCRETE WORK	R	_
	DA	EARTHWORKS : BULK	R	_
	DB	EARTHWORKS FOR PIPE TRENCHES	R	_
	DD	EARTHWORKS FOR STRUCTURES	R	_
	ED	ROAD ASPHALT	R	_
	PG	NON PRESSURE PIPELINES and PC CULVERTS	R	_
	PH	MANHOLES and APPURTENANT DRAINAGE WORKS	R	_
3	Gab	oion Protection Works		R
	В	SITE CLEARANCE	R	_
	C	CONCRETE WORK	R	_
	DA	EARTHWORKS : BULK	R	_
	DC	EARTHWORKS FOR CONCRETE LINED CANALS	R	_
	EL	DUMPROCK SUBGRADE IMPROVEMENT	R	_
	F	PROTECTION WORKS	R	_
4	Rei	nstatement		R
	S	REINSTATEMENT	R	_
SUE	3 TO	R		
ADI	O VA	T (15%) - (only if a registered VAT Vendor)		R

TOTAL CARRIED TO FORM OF TENDER