BILL OF QUANTITIES

SECTION 1 Preliminaries and General

PART AA PRELIMINARIES

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	GCC 2015	GENERAL CONDITIONS OF CONTRACT (GCC 2010) READ IN CONJUNCTION WITH THE CONTRACT DATA Fixed Charge obligations	sum	1		
2	GCC 2015	Time Related obligations	sum	1		
3	SANS 1921-1	SANS 1921-1 : GENERAL ENGINEERING AND CONSTRUCTION WORKS READ IN CONJUNCTION WITH THE ASSOCIATED SPECIFICATION DATA IN THE SCOPE OF WORKS Fixed Charge Items	sum	1		
4	PS.13	COMMUNITY LIAISON OFFICER Allow for a CLO to be appointed.	PC Sum	58240	1.00	58,240.00
5	PS.12	LOCAL LABOUR Allow for the weekly submission of proof of employment of local labour	sum	1		

TOTAL CARRIED TO SECTION 1 SUMMARY: Preliminaries and General **R**

PART AB GENERAL SPECIFICATIONS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PS.AB.[11]	Site Security (Time Related)	sum	1		
2	AB.4	Contractor's Camp Site / Store Yard	sum	1		
3	AB.5	Notice Board	sum	1		
4	AB.7	Initial supply of all signs, barricades and delineators	sum	1		
5		Allow for the following Additional Items which the tenderer requires to be priced separately :- a)	sum	1		
6		b)	sum	1		
7		c)	sum	1		

TOTAL CARRIED TO SECTION 1 SUMMARY: Preliminaries and General **R**

PART AH OCCUPATIONAL HEALTH and SAFETY

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	AH.14.1/PS.10	Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations	sum	1		
2	AH.14.2/PS.10	Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations	sum	1		
3	AH.14.3/PS.10	Submission of the Health and Safety File	sum	1		
4	AH.14.4	Application for Work Permit to DOEL (Once off Fee R450) per Regulation Gazette 11465 Volume 685 No 47109	PC Sum	450	1.00	450.00

TOTAL CARRIED TO SECTION 1 SUMMARY: Preliminaries and General **R**

SECTION 2 Construction works

PART B SITE CLEARANCE

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	B.8.2	General clearance and grubbing in contractor's camp site	m2	50		
2	B.8.2	General clearance and grubbing in temporary stockpile area	m2	50		
3	B.8.9	Removal of brickwork	m3	10		
4	B.8.11	Removal of reinforced concrete	m3	75		
5	B.8.10	Removal of underground reinforced concrete	m3	38		
6	B.8.18	Removal of unsuitable material and spoil to tip(provisional). Rate to include all haulage	m3	30		

TOTAL CARRIED TO SECTION 2 SUMMARY: Construction works R

PART C CONCRETE WORK

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	C.8.1	Grade 15/19 concrete blinding of thickness 50 mm	m2	396		
2	C.8.1	Grade 15/19 concrete in soft spots (provisional)	m3	30		
3	C.8.1	Grade 30/19 concrete in footings	m3	225		
4	C.8.1	Grade 30/19 concrete in walls	m3	165		
5	C.8.2	High tensile steel reinforcement	t	36		
6	C.8.3	Class 1 shuttering to footings	m2	570		
7	C.8.3	Class 3a shuttering to footings	m2	480		
8	PS.C.1	Bitumen impregnated softboard in expansion joints	m2	24		
9	PS.C.2	Sealant in expansion joint [specify type and dimension]	m	120		
10	PS.C.4	Construct 75 mm dia. P.V.C weepholes inclusive of no-fines concrete plug	no.	90		

TOTAL CARRIED TO SECTION 2 SUMMARY: Construction works R

PART DB EARTHWORKS FOR PIPE TRENCHES

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	DB.8.19	Prove existing services by hand excavation (provisional), where depth is: - - Over 0,0 m and not exceeding 1,5 m	m3	1		

TOTAL CARRIED TO SECTION 2 SUMMARY: Construction works R

PART DD EARTHWORKS FOR STRUCTURES

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PS.PG.1	Dewatering of work area, including cofferdamming and water diversions	sum	1		
2	PS.DA.2	Supply and place general grade geofabric to be used at the wall base (Kaymat U44 or Bidim U49 or any approved equivalent to be approved by the Engineer's Representative).	m2	258		
3	DD.8.2	Excavate in all material for wall base to stockpile	m3	146		
4	DD.8.2	Restricted excavation in all material for wall base to stockpile	m3	15		
5	DD.8.2	Extra over item 1 for hard material (Provisional)	m3	15		
6	DD.8.3	Backfill and compact using imported material from contractor's own source. Rate to include all haulage and royalties	m3	300		
7	DD.8.5	300mm thick compacted wall base bedding (19 mm stone mat)	m3	36		
8	PS.DD.2	Design, installation and removal of a ground lateral support system to secure the excavated surfaces	sum	1		

TOTAL CARRIED TO SECTION 2 SUMMARY: Construction works R

PART PG NON PRESSURE PIPELINES and PC CULVERTS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PG.8.2	600 mm diameter HDPE pipe with clamps.	m	12		
2	PG.8.8	Form hole in wall and cast in 600 mm diameter HDPE pipe	no.	1		

TOTAL CARRIED TO SECTION 2 SUMMARY: Construction works R

PART PH MANHOLES and APPURTENANT DRAINAGE WORKS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	PH.8.2	Brick manhole type A with light duty concrete cover. Depth :- - Over 1,5 m and not exceeding 2,0 m	no.	1		

TOTAL CARRIED TO SECTION 2 SUMMARY: Construction works R

BILL OF QUANTITIES SECTION SUMMARY

SECTION 1 Preliminaries and General

PART	AA	PRELIMINARIES	
PART	AB	GENERAL SPECIFICATIONS	
PART	AH	OCCUPATIONAL HEALTH and SAFETY	

TOTAL CARRIED TO FINAL SUMMARY	

BILL OF QUANTITIES SECTION SUMMARY

SECTION 2 Construction works

PART	B	SITE CLEARANCE	
PART	C	CONCRETE WORK	
PART	DB	EARTHWORKS FOR PIPE TRENCHES	
PART	DD	EARTHWORKS FOR STRUCTURES	
PART	PG	NON PRESSURE PIPELINES and PC CULVERTS	
PART	PH	MANHOLES and APPURTENANT DRAINAGE WORKS	

TOTAL CARRIED TO FINAL SUMMARY	

SUMMARY OF BILL OF QUANTITIES

Section

1	Preliminaries and General			**R** _____
	AA	PRELIMINARIES	R _____	
	AB	GENERAL SPECIFICATIONS	R _____	
	AH	OCCUPATIONAL HEALTH and SAFETY	R _____	
2	Construction works			**R** _____
	B	SITE CLEARANCE	R _____	
	C	CONCRETE WORK	R _____	
	DB	EARTHWORKS FOR PIPE TRENCHES	R _____	
	DD	EARTHWORKS FOR STRUCTURES	R _____	
	PG	NON PRESSURE PIPELINES and PC CULVERTS	R _____	
	PH	MANHOLES and APPURTENANT DRAINAGE WORKS	R _____	

SUB TOTAL **R** _____

ADD VAT (15%) - (only if a registered VAT Vendor) **R** _____

TOTAL CARRIED TO FORM OF TENDER **R** _____