

GENERAL REQUIREMENTS

Item	Description	Unit	Quantity	Rate
1200	GENERAL REQUIREMENTS AND PROVISIONS			
B12.01	Community Liaison Officer:			
	(a) Remuneration for Community Liaison Office	Prov sum	1.0	42 000.00
	(b) Handling cost and profit in respect of sub item on B12.01 (a)	%	42 000.00	0.00
B12.02	Civil Engineering Student:			
	(a) Remuneration for Civil Engineering Trainee Student appointed by Employer / Engineer	Prov sum	1.0	30 000.00
	(b) Handling cost and profit in respect of sub item on B12.01 (a)	%	30 000.00	0.00
B12.03	Contractor's general obligation in respect of compliance with the Environmental Management Plan			
	(a) Fixed obligations	L/sum	1.0	0.00
	(b) Time related obligations	month	6.0	0.00
	(c) Environmental Monitoring Officer appointed by Engineer	Prov sum	1.0	90 000.00
	(d) Handling cost and profit in respect of sub item on B12.03 (c)	%	90 000.00	0.00
B12.04	Contractor's general obligation in respect of Occupational Health and Safety Act and Construction regulations - Including Covid-19			
	(a) Fixed obligations	L/sum	1.0	0.00
	(b) Time related obligations	month	6.0	0.00
	(c) Health and Safety Practitioner appointed by Engineer	Prov sum	1.0	90 000.00
	(d) Handling cost and profit in respect of sub item on B12.04 (c)	%	90 000.00	0.00
B12.05	Relocation and Protection of services existing			
	(a) Electrical Services			
	(i) Provisional sum for existing services to be relocated and / or protected during construction	Prov sum	1.0	75 000.00
	Handling cost and profit in respect of subitem B12.05 (a)(i)	%	75 000.00	0.00
	(b) Water, Stormwater, Sanitation Services relocation			
	(i) Excavation in soft to intermediate material	m ³	80.0	0.00
	(ii) 160 Diameter sewer Class 51 Solid Wall (normal duty) Pipe - 100 kPa pipe stiffness	m	50.0	0.00

	(iii) Precast concrete Sewer manholes (1m dia) complete as per detail	No	3.0	0.00
	(iv) Class C bedding	m	50.0	0.00
	(v) 1.2m x 1.2m stormwater manhole to depth of 2m complete as per detail	No	3.0	0.00
B12.06	Construction of new survey beacons			

Total Carried Forward

Contract

Part C2: Pricing Data

C2.7

GENERAL REQUIREMENTS

Item	Description	Unit	Quantity	Rate
Brought Forward				
	(a) Provisional sum for additional survey required by the Engineer	Prov sum	1.0	25 000.00
	(b) Handling costs and profit in respect of B12.06 (a)	%	25 000.00	0.00
B12.07	Recruitment processes of Sub-Contractor			
	(a) Sub-Contractor Mentorship and Skills Transfer (Mentorship of sub-contractors for duration of contract by Mentors appointed by the Employer)	Prov sum	1.0	30 000.00
	(b) Handling costs and profit in respect of B12.07 (a)	%	30 000.00	0.00
B12.08	Existing Structures			
	(a) Demolish and removal of existing structures	Prov sum	1.0	50 000.00
	(b) Handling costs and profit in respect of B12.08 (a)	%	50 000.0	0.00

Total Carried Forward To Summary

Contract

Part C2: Pricing Data

C2.8

CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL

Item	Description	Unit	Quantity	Rate
1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS			
B13.01	The contractor's general obligations:			
	a) Fixed obligations	L/sum	1.0	0.00
	b) Value-related obligations	L/sum	1.0	0.00
	c) Time-related obligations	month	6.0	0.00
B13.02	Supply,transport to site and erection of the Nameboards			
	Project name board as per drawing	No	1.0	0.00

Total Carried Forward To Summary

Contract

Part C2: Pricing Data

C2.9

HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S

Item	Description	Unit	Quantity	Rate
1400	HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL			
B14.01	Office and laboratory accommodation			
	a) Offices (interior floor space only)	m ²	16.0	0.00
	e) Ablution units	m ²	2.0	0.00
B14.02	Office and laboratory furniture			
	a) Chairs	No	6.0	0.00
	d) Desks, complete with drawers and locks	No	2.0	0.00
B14.08	Services: The provision of water, electricity, sewerage, septic tanks, and sewage and rubbish removal, cleaning service, maintenance of access roads, all as specified in Clause 14,04 ,including the construction road, footpaths etc:			
	(a) Service at office			
	(i) Fixed costs	L/sum	1.0	0.00
	(ii) Running cost	month	6.0	0.00

Total Carried Forward To Summary

Contract

Part C2: Pricing Data

C2.10

Item	Description	Unit	Quantity	CLEARING Rate
1700	CLEARING AND GRUBBING			
B17.01	Clearing and grubbing	ha	0.2	0.00
B17.02	Removal and grubbing of large trees and tree stumps			
	a) Girth exceeding 1m up to and including 2m	No	2.0	0.00

Total Carried Forward To Summary

Contract

Part C2: Pricing Data

C2.11

Item	Description	Unit	Quantity	Rate
1800	DAYWORKS			
B18.01	a) LABOUR			
	i) Unskilled	hr	40.0	0.00
	ii) Semi-Skilled	hr	30.0	0.00
	iii) Skilled	hr	30.0	0.00
	iii) Foreman	hr	20.0	0.00
B18.02	(b) PLANT AND EQUIPMENT			
	(i) 6 m3 Tipper truck	hr	20.0	0.00
	(ii) 10 m3 Tipper truck	hr	20.0	0.00
	(iii) 10000L water tanker	hr	10.0	0.00
	(iv) Loader, min. 111kW	hr	10.0	0.00
	(v) TLB, min. 71 kW	hr	10.0	0.00
	(vi) Excavator, min.213 kW	hr	10.0	0.00
	(vii) Vibratory roller, self propelled, min. 99kW	hr	10.0	0.00
	(viii) Tractor-trailer (43kw-3ton min.)	hr	10.0	0.00
	(ix) Pedestrian roller, min. 40kN	hr	20.0	0.00
18.03	TRANSPORT			
	i) LDV	km	100.0	0.00
	i) Flat-bed truck	km	100.0	0.00

Total Carried Forward To Summary

Contract

Part C2: Pricing Data

C2.12

Item	Description	Unit	Quantity	Rate
3300	MASS EARTHWORKS			
B33.01	Cut and borrow to fill,including free-haul up to 0.5 km:			
	(a) Material in compacted layer thicknesses of 200 mm and less:			
	(i) Compacted to 93% of modified AASHTO density	m ³	500.0	0.00
B33.03	Extra over item 33.01 for excavating and breaking down material in:			
	(a) Intermediate excavation	m ³	50.0	0.00
B33.04	Cut to spoil, including free-haul up to 0,5 km. Material obtained from:			
	(a) Soft excavation	m ³	40.0	0.00
	(b) Intermediate excavation	m ³	80.0	0.00
	(c) Boulder Excavation Class A	m ³	5.0	0.00
	(d) Boulder Excavation Class B	m ³	5.0	0.00
	(e) Hard Excavation	m ³	25.0	0.00
B33.10	Walkway preparation and the compaction of material:			
	(b) Compaction to 93% of modified AASHTO density	m ³	500.0	0.00

Total Carried Forward To Summary

Contract

Part C2: Pricing Data

C2.13

PITCHING, STONEMWORK AND PROTECTION A

Item	Description	Unit	Quantity	Rate
5100	PITCHING, STONEMWORK AND PROTECTION AGAINST EROSION			
	(TO BE UNDRETKEN BY LOCAL SUB-CONTRACTOR UNDER THE SUPERVISION OF MAINCONTRACTOR)			
B51.01	Stone pitching:			
	a) Grouted stone pitching	m ²	50.0	0.00

Total Carried Forward To Summary

Contract

Part C2: Pricing Data

C2.14

Item	Description	Unit	Quantity	Rate
5200	GABIONS (TO BE UNDERTAKEN BY LOCAL SUB-CONTRACTOR, UNDER SUPERVISION BY MAIN CONTRACTOR)			
B52.01	Foundation trench excavation and backfilling: a) In all other classes of materials	m ³	90.0	0.00
B52.02	Surface preparation for bedding the gabions	m ²	180.0	0.00
B52.03	Gabions-Complete with hand stones and bracings: a) Galvanized gabion boxes with a nominal wire diameter of 2,7 mm and a 80 mm x 100 mm mesh (i) 1,0 m wide by 1,0 m thick x 1,0 m long	m ³	160.0	0.00
	(b) Galvanized gabion mattresses with a nominal wire diameter of 2,5 mm and a 80 mm x 100 mm mesh,diaphragm spacing of 1,0m (i) 1,0 m wide by 0,3 m thick x 2,0 m long	m ³	40.0	0.00
B52.07	Filter fabric: (a) Bidim U14 or similar	m ²	300.0	0.00

Total Carried Forward To Summary

Contract
Part C2: Pricing Data

FOUNDATION F

Item	Description	Unit	Quantity	Rate
6100	FOUNDATION FOR STRUCTURES			
61.01	(a) Additional foundation investigations	PC sum	1.0	50 000.00
	(b) Handling costs and profit in respect of B61.01 (a)	%	50 000.00	0.00
B61.02	Excavation			
	a) Excavation in soft material situated within the following successive depth ranges:			
	(i) 0m up to 2m	m ³	80.0	0.00
	(ii) Exceeding 2m and up to 4m	m ³	20.0	0.00
	(iii) Exceeding 4m and up to 6m	m ³	2.0	0.00
B61.03	Access and Drainage			
	a) Access (Diverting of surface water)	L/sum	1.0	0.00
B61.04	Backfill to excavation utilizing:			
	b) Imported material	m ³	20.0	0.00
B61.05	Fill within restricted area (extra over to item 61.04)	m ³	10.0	0.00
B61.06	Overhaul in excess of 1.0km on excavated and imported material for backfill, foundation fill and fill for caissons.	m ³ -km	90.0	0.00
B61.07	Over break in excavation in hard material	m ²	10.0	0.00
B61.08	Foundation fill consisting of:			
	(a) Rock fill	m ³	120.0	0.00
	(b) Mass Concrete, Class 25/19	m ³	40.0	0.00
	(c) Compacted granular material	m ³	20.0	0.00
B61.11	Drilling of holes of 30mm dia. for Y25 dowels 1500mm deep into bedrock	m	20.0	0.00
B61.12	Grouting, approved Cementous non-shrink grout	kg	5.0	0.00
B61.13	Dowel bars			
	(b) High tensile bars			
	(i) Y25 galvanised rock anchors 2200 mm long grouted into 30 mm diameter holes 1500 mm into rock	kg	100.0	0.00
B61.14	Control blasting for foundations, excavation and spoiling of loose rock	m ³	5.0	0.00

Total Carried Forward To Summary

Contract
Part C2: Pricing Data

FALSEWORK, FORMWORK AND C

Item	Description	Unit	Quantity	Rate
6200	FALSEWORK, FORMWORK AND CONCRETE FINISH			
B62.01	a) Vertical formwork to provide class F1 surface finish to:			
	(i) Foundations	m ²	20.0	0.00
	(ii) Abutments	m ²	15.0	0.00
	(iii) Columns	m ²	10.0	0.00
	b) Vertical to provide class F2 surface finish to:			
	(i) Abutments	m ²	30.0	0.00
	(ii) Columns	m ²	16.0	0.00
	(iii) Concrete Walkways	m ²	45.0	0.00
B62.02	a) horizontal formwork to provide class of finish indicated as F1 surface finish to:			
	(i) Concrete walkway	m ²	55.0	0.00

Total Carried Forward To Summary

Contract

Part C2: Pricing Data

C2.17

STEEL REINFORCEMENT F

Item	Description	Unit	Quantity	Rate
6300	STEEL REINFORCEMENT FOR STRUCTURES			
B63.01	Steel reinforcement for:			
	a) Abutments			
	ii) High-Yield steel bars, hot rolled deformed	t	1.5	0.00
	b) Columns			
	i) High-Yield steel bars, hot rolled deformed	t	0.8	0.00
	c) Deck walkway			
	i) Welded mesh fabric ref:617	m ²	150.0	0.00
	ii) Stainless Steel (12 Dia) Dowel 300mm long cast 1150 deep into one side of joint	kg	15.0	0.00
	Dowelling			
	i) High-Yield steel bars, for dowels (20-40Dia.) drilled and expoy into existing rockbed	t	0.2	0.00

Total Carried Forward To Summary

Contract

Part C2: Pricing Data

C2.18

CONCRETE F

Item	Description	Unit	Quantity	Rate
6400	CONCRETE FOR STRUCTURES			
B64.01	Cast in situ concrete:			
	a) Class 15/19 in blinding	m ³	3.0	0.00
	b) Class 30/19 in abutments	m ³	13.0	0.00
	c) Class 30/19 in piers	m ³	7.0	0.00
B64.02	Cast 50- 100mm thick concrete members:			
	a) Deck slab (Class 25/19 concrete)	m ³	5.0	0.00
	b) Walkway Concrete (Class 30/19)	m ³	25.0	0.00

Total Carried Forward To Summary

Contract
Part C2: Pricing Data

JOINTS, BEARINGS, BOLTS AND DRAINAGE F

Item	Description	Unit	Quantity	Rate
6600	JOINTS, BEARINGS, BOLTS AND DRAINAGE FOR STRUCTURES			
B66.06	Filled Joints:			
	a) 10mm wide movement joints filled with jointex	m ²	20.0	0.00
B66.08	Sealing of joints with approved sealant	m	20.0	0.00
66.11	Bearing(Glacier line rocker bearing) or similar approved	No	8.0	0.00
B66.19	Drainage pipes and weep holes:			
	(ii) 50 dia. UPVC weep holes	No	20.0	0.00
	Drainage pipes:			
	i) m65 netlon drainage pipes behind abutment	m	10.0	0.00
	ii) 325mm wide DN netlon drainage strips covered with Kaymat U34 behind abutment	m	28.0	0.00
B66.21	Synthetic fiber filter fabric			
	ii) Grade 3 geofabric for abutments	m ²	25.0	0.00

Total Carried Forward To Summary

Contract

Part C2: Pricing Data

C2.20

				STRUCTU
Item	Description	Unit	Quantity	Rate
6700	STRUCTURAL STEELWORK			
B67.01	(a) Manufacture, Supply and erect on site Grade 350W structural steel bridge structure and all components comprising Grade 8.8 bolt connections, HDB, bearing plates and bolts, bracings all complete as per drawing	t	4.5	0.00
B67.02	Anchor bolts:			
	(a) M 24 10.8 complete with anchor plate nuts and washers as detailed on the drawing	kg	150.0	0.00
B67.03	Corrosion protection			
	(b) Hot-dip galvanizing:			
	(1) Bridge Structure - Minimum mean thickness of 85 micros, galvanized in accordance with SABS ISO 1461:1999	t	4.5	0.00
B67.04	BONDLOK			
	Provide bondlok sheeting with M12 studs for	m ²	40.0	0.00
B67.05	FENCE			
	Expanded Metal Mesh	m ²	100.0	0.00

Total Carried Forward To Summary

Contract

Part C2: Pricing Data

C2.21

CONCR

Item	Description	Unit	Quantity	Rate
7100	CONCRETE PAVEMENTS			
B71.04	Texturing and curing the concrete pavement:			
	b) Curing	m ²	210.0	0.00
	i) Supply and placing of LuminTech stones as directed by the engineer: Application rate of 250g/square meter	m ²	180.0	0.00
B71.06	Joints:			
	a) Expansion joints complete at 3m centers	m	20.0	0.00
	(b) Longitudinal hinges			
	(ii) Unsealed hinge joints	m	20.0	0.00
B71.08	Steel Reinforcement in concrete pavement			
	(c) Welded steel fabric (Ref 193)	m ²	33.0	0.00

Total Carried Forward To Summary

Contract

Part C2: Pricing Data

C2.22

TESTING MATERIAL ANI

Item	Description	Unit	Quantity	Rate
8100	TESTING MATERIAL AND WORKMANSHIP			
B81.01	Other special tests requested by the engineer: (a) Cost of testing (b) Handling Costs in respect of B81.01 (a)	Prov sum %	1.0 50 000.0	50 000.00 0.00

Total Carried Forward To Summary

Contract

Part C2: Pricing Data

C2.23

SUMMARY

Section	Description			
1200	GENERAL REQUIREMENTS AND PROVISIONS			
1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL			
1400	HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S			
1700	CLEARING AND GRUBBING			
1800	DAYWORKS			
3300	MASS EARTHWORKS			
5100	PITCHING, STONEMWORK AND PROTECTION AGAINST EROSION			
5200	GABIONS			
6100	FOUNDATION FOR STRUCTURES			
6200	FALSEWORK, FORMWORK AND CONCRETE FINISH			
6300	STEEL REINFORCEMENT FOR STRUCTURES			
6400	CONCRETE FOR STRUCTURES			
6600	JOINTS, BEARINGS, BOLTS AND DRAINAGE FOR STRUCTURES			
6700	STRUCTURAL STEELWORK			
7100	CONCRETE PAVEMENTS			
8100	TESTING MATERIAL AND WORKMANSHIP			
	SUBTOTAL "X"			
	CONTINGENCIES (Add: 10% of the above Sub Total "X" as a Provisional Sum to cover to cost of Contingencies and to be SUBTOTAL "Y"			
	ESCALATION (Add: 5% to above Sub Total "Y", being a provisional sum to provide for Variation of Price) SUBTOTAL "Z"			
	Add: 15% Value Added Tax of the above Sub total "Z"			

Total Carried Forward To Form of Offer

Contract

Part C2: Pricing Data

C2.24

AND PROVISIONS

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GENERAL OBLIGATIONS

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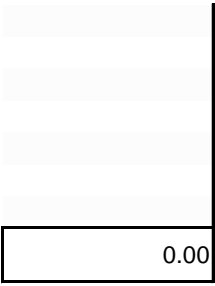
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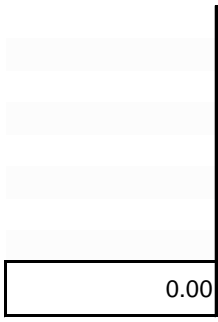
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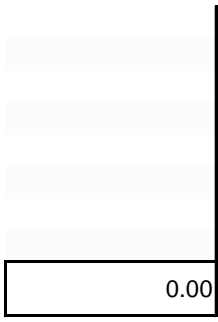


3 AND GRUBBING

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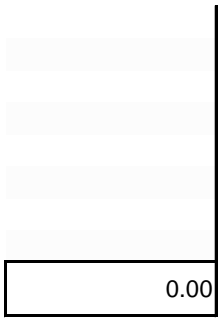
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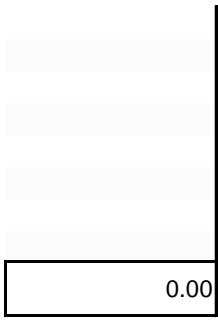
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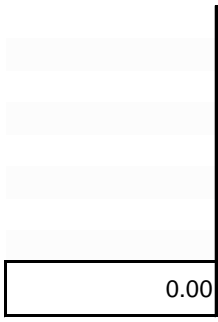




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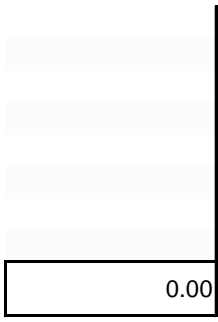
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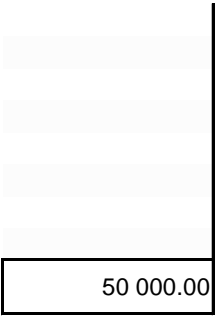
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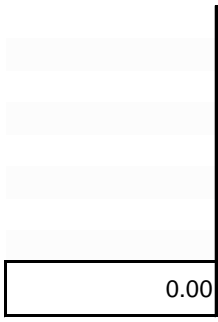
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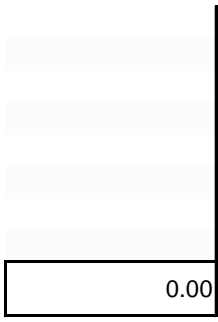


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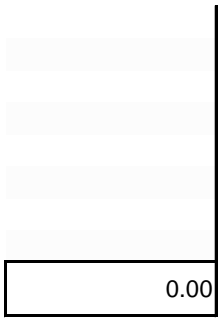
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