

SCHEDULE OF QUANTITIES					
GABELANA EROSION PROTECTION IN WARD 10				SECTION 1200	
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>GENERAL REQUIREMENTS AND PROVISIONS</u>				
B12.02	Relocation and protection of existing services (Water line):	Prov. Sum	1	R 2,500.00	R 2,500.00
	(a) Handling cost and profit	%	R 2,500.00		
B12.03	Provision of community Liasion Officer	Prov. Sum	1	R 18,000.00	R 18,000.00
	(a) Handling cost and profit	%	R 18,000.00		
	(b) PSC Sitting allowance	Prov. Sum	1	R 6,750.00	R 6,750.00
	(c) Handling cost and profit	%	R 6,750.00		
B12.04	Environmental compliance control and supervision	Prov. Sum	1	R 30,000.00	R 30,000.00
	Handling cost and profit	%	R 30,000.00		
B12.06	Engineers Instruction.	Prov.Sum	1	R 100,000.00	R 100,000.00
	Handling cost and profit	%	R 100,000.00		
1200	TOTAL CARRIED TO SUMMARY				

SCHEDULE OF QUANTITIES					
GABELANA EROSION PROTECTION IN WARD 10				SECTION 1300	
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS</u>				
B13.01	The Contractor's general obligations:				
	(a) Fixed obligations	Sum	1		
	(b) Value-related obligations	Sum	1		
	(c) Time-related obligations	month	2		
B13.02	Occupational Health and safety:				
	(a) Contractor's initial obligations in respect to the Occupational Health and Safety Act and Construction Regulations, Including Covid19 regulations	Sum	1		
	(b) Contractor's time related obligations in respect to the Occupational Health and Safety Act and Construction Regulations, Including Covid19 regulations	month	2		
	(c) Provision of full time Construction Safety Officer	month	2		
	(d) Provision of personal protection equipment and clothing	Prov.Sum	1	R 20,000.00	R 20,000.00
	(e) Provisional sum for OH&S Consultant during construction	Prov. Sum	1	R 20,000.00	R 20,000.00
	(f) Handling cost and profit sub item B13.02(e)	%	R 40,000.00		
B13.04	Socio-Economic Obligations				
	(a) Life Training	Prov. Sum	1	R 15,000.00	R 15,000.00
	(b) Technical Training	Prov. Sum	1	R 15,000.00	R 15,000.00
B12.07	Provision of student In-service training				
	Provision of student In-service training	month	2	R 4,500.00	R 9,000.00
1300	TOTAL CARRIED TO SUMMARY				

SCHEDULE OF QUANTITIES

GABELANA EROSION PROTECTION IN WARD 10

SECTION 1400

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B14.01	<u>HOUSING, OFFICES AND LABORATORIES FOR THE ENGINEER'S SITE PERSONNEL</u>				
	Office and laboratory accommodation:				
	(a) Offices (interior floor space only)	month	2		
14.02	Office and laboratory furniture:				
	(a) Chairs	No.	10		
	(b) Desks, complete with drawers and locks	No.	1		
	(c) Drawing tables	No.	1		
	(d) Conference table for meetings	No.	1		
	(e) Fire extinguishers, 9,0 kg all purpose dry powder type, complete, mounted on wall with brackets	No.	1		
	(f) General-purpose steel cupboards with shelves	No.	1		
B14.03	Office and laboratory fittings, installations and equipment:				
	(a) The provision of a direct independent cellphone line for the Engineer, including the cost of calls and Data in connection with contract administration	PC Sum	1	R 17,500.00	R 17,500.00
	(b) Handling costs and profit in respect of subsubitem 14.03(a) above	%	17,500.00		
	(c) Name boards as specified	No.	1		
1400	TOTAL CARRIED TO SUMMARY				

SCHEDULE OF QUANTITIES					
GABELANA EROSION PROTECTION IN WARD 10					SECTION 1500
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>ACCOMMODATION OF TRAFFIC</u>				
B15.01	Accommodating traffic and maintaining temporary deviations	L Sum	1		
B15.02	Provision of Traffic safety equipment for use by the Engineer				
	(a) Amber rotating lights, safety jackets, boots, magnetic signs etc.	Prov Sum	1.00		
	(b) Handling costs and profit in respect of subsubitem B15.2(a)	%			
1500	TOTAL CARRIED TO SUMMARY				R -
					GABELANA EROSION PROTECTION

<u>SCHEDULE OF QUANTITIES</u> GABELANA EROSION PROTECTION IN WARD 10					
					SECTION 1600
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
16.02	<u>OVERHAUL</u>				
	Overhaul on material hauled in excess of 1,0 km (ordinary overhaul)	m ³ -km	150.00		
1600	TOTAL CARRIED TO SUMMARY				

SCHEDULE OF QUANTITIES

GABELANA EROSION PROTECTION IN WARD 10

SECTION 1700

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B17.02	<u>CLEARING AND GRUBBING</u> Removal & Disposal of existing Concrete Culvert Structure	ha	1		
1700	TOTAL CARRIED TO SUMMARY				R -

SCHEDULE OF QUANTITIES

GABELANA EROSION PROTECTION IN WARD 10 **SECTION 2200**

SECTION 2200

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2200	<p><u>PREFABRICATED CULVERTS</u></p> <p>Excavation (a)Excavating soft material situated within the following (i) 0 m up to 1.5 m</p> <p>(ii) Exceeding 1,5 m and up to 3,0 m</p> <p>(b) Extra over subitem 22.01(a) for excavation in hard material, Backfilling:</p> <p>(a) Using the excavated material</p> <p>(b) Using imported selected material</p> <p>c) Extra over subitem 22,02(a) and (b) for soil cement backfilling (d) Rockfill underneath the culvert base</p> <p>Concrete portal culverts:</p> <p>(a) On class B bedding (i) 900 mm</p> <p>Headwalls as per drawing</p> <p>To suit a 900mm diameter inlet and outlet pipe complete (slab</p> <p>Hand excavation to determine the positions of existing services</p>	<p>m³</p> <p>m³</p> <p>m³</p> <p>m³</p> <p>m³</p> <p>m</p> <p>no</p> <p>m³</p>	<p>50.00</p> <p>10.00</p> <p>10.00</p> <p>15.00</p> <p>10.00</p> <p>15.00</p> <p>2.00</p> <p>5.00</p>		
	TOTAL CARRIED TO SUMMARY				

SCHEDULE OF QUANTITIES**GABELANA EROSION PROTECTION IN WARD 10****SECTION 3300**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>MASS EARTHWORKS</u>				
33.01	Cut and borrow to fill, including free-haul up to 0.5 km:				
	(a) In-situ gravel material compacted layer thickness of 200 mm and less:				
	(i) Compacted to 93% of modified AASHTO density	m ³	600.00		
33.04	Cut to spoil, including free-haul up to 0,5 km. Material obtained from:				
	(a) Soft excavation	m ³	20.00		
	(b) Intermediate excavation	m ³	15.00		
	(c) Hard excavation	m ³	15.00		
	(d) Boulder excavation class A	m ³	15.00		
33.10	Roadbed preparation and the compaction of material:				
	(b) Compaction to 93% of modified AASHTO density	m ³	20.00		
3300	TOTAL CARRIED TO SUMMARY				

SCHEDULE OF QUANTITIES					
GABELANA EROSION PROTECTION IN WARD 10				SECTION 3400	
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B34.01	<u>PAVEMENT LAYERS OF GRAVEL MATERIAL</u>				
	Pavement layers constructed from gravel taken from cut or borrow including free-haul up to 1,0 km:				
	(c) Gravel subbase (unstabilized gravel) compacted to:				
	(i) 95% of modified AASHTO density for a (G7 material, 150 mm compacted layer thickness)	m³	15		
	(h) Gravel wearing course compacted to :				
	(ii) 98% of modified AASHTO density (G6 material, 150mm compacted layer)	m³	15		
3400	TOTAL CARRIED TO SUMMARY				

SCHEDULE OF QUANTITIES					
GABELANA EROSION PROTECTION IN WARD 10				SECTION 3400	
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5100	PITCHING, STONEMASONRY AND PROTECTION AGAINST EROSION				
51.01	Stone pitching: Grouted stone pitching on a concrete bed (total thickness indicated)	m ²	220		
3400	TOTAL CARRIED TO SUMMARY				

|

SCHEDULE OF QUANTITIES

GABELANA EROSION PROTECTION IN WARD 10							SECTION 3400
ITEM NO			DESTRICPTION				
Section	5200		GABIONS				
Header2	52.01		Foundation trench excavation and backfilling:				
Item	(b)		In all other classes of materials	m³	82.5		
	(c)		Supply and install boulders for foundation preparations.	m²	82.5		
Item	52.02		Surface preparation for bedding the gabions	m²	0		
Header2	52.03		Gabions:				
Item	(a)		Galvanized gabion boxes (dimensions of box, nominal diameter of mesh wire and mesh size indicated)	m³			
Item	(b)		PVC-coated gabion boxes (dimensions of box, nominal diameter of mesh wire and mesh size indicated)	m³			
Item	(c)		Galvanized gabion mattresses (dimensions of mattress, mesh size, nominal diameter of mesh wire and diaphragm spacing indicated)	m³	110		
Item	(d)		PVC-coated gabion mattresses (dimensions of mattress, mesh size, nominal diameter of mesh wire and diaphragm spacing indicated)	m³			
Item	52.05		Filter fabric (type and grade indicated)	m²	82.5		
TOTAL CARRIED TO SUMMARY							

SCHEDULE OF QUANTITIES**GABELANA EROSION PROTECTION IN WARD 10****SECTION 5600**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
56.01	<u>ROAD SIGNS</u> Road sign boards with painted or coloured semi-matt background. Symbols, lettering and borders in semi-matt black or Class I retro-reflective material, where the sign board is constructed from:				
	(a) Prepainted galvanised steel plate (1.2mm chromadek or approved equivalent)	Prov .Sum	1		
	(b) Timber				
	(i) 75mm diameter				
	(ii) 100mm diameter	Prov.Sum	1		
56.05	Excavation and backfilling for road sign supports:				
	(a) Excavation for sign supports	m ³	2		
56.06	Extra over item 56.05 for cement treated backfill:				
	(b) With soilcrete	m ³	2		
5600	TOTAL CARRIED TO SUMMARY				

SCHEDULE OF QUANTITIES**GABELANA EROSION PROTECTION IN WARD 10****SECTION 7100**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
7100	<u>CONCRETE PAVEMENTS.</u>				
71.01	Reinforced Concrete Pavement 19/25Mpa thick concrete	m ³	10		
8100	TOTAL CARRIED TO SUMMARY				R -

SCHEDULE OF QUANTITIES**GABELANA EROSION PROTECTION IN WARD 10****SECTION 8100**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B81.02	<u>TESTING MATERIALS AND WORKMANSHIP</u>				
	Other special tests requested by the Engineer:				
	(a) Cost of testing	PC	1	R 100,000.00	R 100,000.00
8100	TOTAL CARRIED TO SUMMARY				R 100,000.00

**TENDER FOR CIVIL ENGINEERING WORKS
GABELANA EROSION PROTECTION IN WARD 10
BID NUMBER.: BID NO: PSJLM-ENG-2022/23 - 19**

SECTION	DESCRIPTION	SUMMARY
1200	GENERAL REQUIREMENTS AND PROVISIONS	
1300	CONTRACTORS ESTABLISHMENT ON-SITE & GENERAL OBLIGATIONS	
1400	HOUSING, OFFICES & LABORATORIES FOR THE ENGINEERS PERSONNEL	
1500	ACCOMODATION OF TRAFFIC	
1600	OVERHAUL	
2200	PREFABRICATED CULVERTS	
1700	CLEARING & GRUBBING	
3300	MASS EARTHWORKS	
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL	
5100	PITCHING, STONWORK AND PROTECTION AGAINST EROSION	
5200	GABIONS	
5600	ROAD SIGNS	
7100	CONCRETE PAVEMENTS	
8100	TESTING MATERIAL & WORKMANSHIP	
	SUBTOTAL 1	
	SUBTOTAL 2	
	VAT @15%	
	TOTAL	

SUMMARY