

ITEM	PMT	DESCRIPTION	UNIT	RATE	QTY	AMOUNT
1		SECTION 1 : PRELIMINARY AND GENERAL				
	SANS 1200 A	FIXED CHARGE ITEMS				
1.1.1	8.3.1	Contractual requirements excluding political riot insurance	Sum		1.00	
1.1.2	PSA 3.1.1	Political riot and malicious damage insurance	Sum		1.00	
1.1.3	Contract Data	Provide a guarantee in the form of Indemnity Surety for Unused Material on Site for a maximum of R..... (to be filled in by Tenderer) being the maximum value of 80% of the value of unused materials on site. The Tendered sum shall cover the costs and expenses that is required to acquire the Indemnity Surety for Unused Materials on Site as well as overhead charges and profit.	Sum		1.00	
		NOTE: A reasonable price should be inserted that is to the satisfaction of the Employer and where this item is not completed, no allowance will be made in the monthly payment certificate for unused material on site.				
	SANS 1200 AB	Establish Facilities on Site				
	8.3.2.1	(a) Facilities for Engineer				
1.1.4	8.3.2 (a)	Contract notice board	No		2.00	
1.1.5	8.3.2 (a)	Supply survey equipment	Sum		1.00	
1.1.6	8.3.2 (a)	One furnished Engineer's office - 12m2	Sum		1.00	
1.1.7	8.3.2 (a)	One furnished Boardroom - 32m2	Sum		1.00	
1.1.8	8.3.2 (a)	Two carport	Sum		1.00	
1.1.9	8.3.2 (a)	One cellular phone	Sum		1.00	
1.1.10		Supply one complete set of applicable SANS 1200 standardised specifications	Sum		1.00	
	8.3.2.2	(b) Facilities for Contractor				
1.1.11		Offices and storage sheds	Sum		1.00	
1.1.12		Workshops	Sum		1.00	
1.1.13		Laboratories	Sum		1.00	
1.1.14		Living accommodation	Sum		1.00	
1.1.15		Ablution and latrine facilities	Sum		1.00	
1.1.16		Tools and equipment	Sum		1.00	
1.1.17		Water supplies, electric power and communications	Sum		1.00	
1.1.18		Dealing with water (Subclause 5.5)	Sum		1.00	
1.1.19		Access (Subclause 5.8)	Sum		1.00	
1.1.20		Plant for concrete mixing	Sum		1.00	
1.1.21	8.3.3	Other fixed-charge obligations (Specify)				
1.1.21.1		i)	Sum			
1.1.21.2		ii)	Sum			
1.1.22	8.3.4	Removal of site facility	Sum		1.00	
1.1.25	PS 18.4	Compliance with Safety Specification and legislation	Sum			
	8.4	TIME RELATED ITEMS Part A				
1.2.1	8.4.1	Contractual requirements	Months		13.00	
	SANS 1200 AB	Operate and maintain facilities on the site for the duration of the contract				
	8.4.2.1	a) Facilities for Engineer				
1.2.2	PSAB 1.1	One contract notice board	Months		13.00	
1.2.3	PSAB 1.2	One furnished office	Months		13.00	
1.2.4	PSAB 1.2	Two carport	Months		13.00	
1.2.5	PSAB 2.2	Maintain Survey Instruments	Months		13.00	
1.2.6	PSAB 2.1	One cellular phone (Incl Monthly airtime), 2 x Notebook (As per Engineer's spec) and engineer travelling cost	Sum		1.00	
	8.4.2.2	b) Facilities for Contractor				
1.2.7		Offices	Months		13.00	
1.2.8		Ablution and toilet facilities	Months		13.00	
1.2.9		Water supplies, electric power and communications	Months		13.00	
1.2.10		Access (Subclause 5.8)	Months		13.00	
1.2.11		Plant for concrete mixing	Months		13.00	
1.2.12	8.4.3	Supervision	Months		13.00	
1.2.13	8.4.4	Company and head office overhead costs	Months		13.00	
1.2.14	8.4.5	Other time-related obligations (specify)				
1.2.14.1		i)	Months			
1.2.14.2		ii)	Months			

TIME RELATED ITEMS Part B						
1.3		OCCUPATIONAL HEALTH AND SAFETY				
1.3.1	Annexure E	Preparation of a health and safety plan in accordance with the Occupational Health and Safety Specifications included as Annexure D to the Scope of Works by a suitably qualified Occupational Health and Safety Officer. Plan to be submitted to the Engineer for consideration and approval	Months		13.00	
1.3.2	Annexure E	Compliance with the requirements of the Occupational Health and Safety Act, Act 85 of 1993, the Construction Regulations 2003, the Employer's Health and Safety Specification and the Contractor's Health and Safety Plan in the execution of the works, including the submission of monthly safety reports by a suitably qualified and experienced Occupational Health and Safety Officer for the duration of construction up until the issue of a Certificate of Completion of the Works	Months		13.00	
1.3.3	Annexure E	Safety Officer	Months		13.00	
1.4		ENVIRONMENTAL MANAGEMENT PLAN				
1.4.1		Compliance with the requirements of the Environmental Management Plan included as Annexure C to the Scope of Work for the duration of construction up until the issue of a Certificate of Completion of the Works	Months		13.00	
1.6	8.8.4	EXISTING SERVICES				
1.6.1		Identification and location of existing services	Prov Sum	120 000.00	1.00	120 000.00
		Relocation of existing services (include for relocation, rehabilitation and inspection/approval process from service provider/local authority) for the following:				
1.6.2		Existing Water Infrastructure	m		1 000.00	
1.6.3		Existing Electrical Infrastructure	Prov Sum	980 000.00	1.00	980 000.00
1.6.4		Percentage adjustment to Item 1.6.3 for contractor's overheads, administration charges and profit	%		980 000.00	
1.7	8.8.5	LAND SURVEY ACT				
1.7.1		Search for and record trigonometrical survey beacons, bench marks and plot boundary pegs, mark and expose on completion of Works	Sum		1.00	
1.7.2		Protect beacons, etc located under Item 1.7.1 and reposition or re-establish, as ordered, the same by a Registered Land Surveyor on completion of the Works	Sum		1.00	
1.8		ACCOMMODATION OF TRAFFIC				
1.8.1		Accommodation of traffic, including barricading, lighting, sign posting, etc. (This item must include the necessary route sign posting when a road is closed) As instructed by the Engineer	Sum		1.00	
1.8.2		Removal and re-erecting of traffic signs (as instructed by the Engineer)	Sum		1.00	
1.9		COMMUNITY LIAISON OFFICER				
1.9.1		Provisional Sum for the appointment and remuneration of Community Liaison Officer recruited from the community and approved by the community	Months		13.00	
1.9.2		Percentage adjustment to Item 1.9.1 for contractor's overheads, administration charges and profit	%		1.00	
1.10		SECURITY PERSONNEL				
1.10.1		Provisional Sum for the appointment and remuneration of one armed security personnel for protection of Engineer and Engineer's personnel	Prov Sum	40 000.00	1.00	40 000.00
1.10.2		Percentage adjustment to Item 1.10.1 for contractor's overheads, administration charges and profit	%		40 000.00	
1.11		PROTECTION AGAINST WATER AND STORMS				
1.11.1		Protection against water and storms	Sum		1.00	
8.4		TIME RELATED ITEMS Part C				
1.12	SANS 1200 A	DAYWORKS				
1.12.1	8.7	Labour (unspecified)	Hr		1.00	Rate Only
1.12.3	8.7	Materials (unspecified)	Hr		1.00	Rate Only
1.12.5	8.7	Plant (unspecified)	Hr		1.00	Rate Only
1.13		CONTROL TESTING				
1.13.1		Provisional sum for control testing to be carried out by an approved independent laboratory for control testing required by the Engineer	Prov Sum	175 000.00	1.00	175 000.00
1.13.2		Percentage adjustment to Item 1.13.1 for contractor's overheads, administration charges and profit	%		175 000.00	
1.14		PERMITS AND WAYLEAVES				
1.14.1	PST	Obtaining of all wayleaves, permits and approvals as required	Sum		1.00	
1.15		TRAINING				
1.15.1		Provisional Sum for rendering of formal accredited training to targeted local labour. Training to be approved by RLM prior to commencement.	Prov Sum	50 000.00	1.00	50 000.00
1.15.2		Extra over to the administration of payment for rendering of formal accredited training to targeted local labour	%		50 000.00	
1.16		ADDITIONAL ENGINEERING REQUIREMENTS				
1.16.1		Any additional work as may be required by the Engineer	Prov Sum	175 000.00	1.00	175 000.00
SECTION 1 : SUB-TOTAL						

2		SECTION 2 : SEWER NETWORK			
2.1	SANS 1200 C	SITE CLEARANCE			
2.1,1	8.2.1	Clear and grub of site and remove all obstructions on pipeline route up to 3m wide	m		25.00
2.1,2		Remove and reinstatement of all obstructions eg. Gardens, Bushes, Shrubs etc in line of construction. All obstructions should be investigated with the Engineer prior to removal.	Sum		1.00
2.1,3		Removal, storage and reinstatement of existing perimeter fencing (All types and materials). Price to include for replacement of unsalvageable materials and consumables. All fencing to be investigated and approved by the Engineer prior to removal.	m		6.25
2.1,4		Removal, storage and reinstatement of existing driveways (All types and materials). Price to include for replacement of unsalvageable materials and consumables.	m ²		1 000.00
	8.2.2	Remove and grub large trees and stumps			
2.1,5		a) Girth over 600mm up 1000mm	No		10.00
2.1,6		b) Girth over 1000mm up to 2000mm	No		10.00
2.1,7		c) Girth over 2000mm up to 3000mm	No		10.00
2.2	SANS 1200 DB	EXCAVATION			
	8.3.2	Excavate in all materials for trenches up to 750mm wide, backfill, compact and dispose of surplus or unsuitable material for depths of: Over and up to			
2.2,1		0.0m to 1.5m	m		34 450.00
2.2,2		1.5m to 2.0m	m		8 660.00
2.2,3		2.0m to 2.5m	m		2 370.00
2.2,4		2.5m to 3.0m	m		600.00
2.2,5		Deeper than 3.0m	m		120.00
2.2,6	8.3.2	Extra-over Items 2.2,1 to 2.2,5 for :			
2.2,6,1		Excavation into road layer works (intermediate material)	m ³		4 620.00
2.2,6,2	PSDB 1.1.2	Excavation in Hard Material	m ³		4 620.00
2.2,7		Hand Excavation to expose existing services	m ³		462.00
2.2,8	8.3.2	Excavate and dispose of unsuitable material from trench bottom	m ³		421.30
2.2,9	8.3.4	Shoring and safeguarding of trench to the satisfaction of the Engineer and the safety regulations	m		6 424.60
2.2,10		Supply and install dump rock as per Engineer's Instruction	m ³		842.60
2.2,11	8.3.3.3	Soilcrete backfill (3% cement) at crossings with existing streets and compact to 93% Mod. AASHTO density where instructed by the Engineer	m ³		1 386.00
2.2,12		Finishing off of the site on completion of the works to the satisfaction of the Engineer, including levelling off, disposal of surplus material, etc	Sum		1.00
2.2,13		Reinstatement of existing stormwater channel infrastructure where sewer pipe installation is required in close proximity. Rate to allow for full cost of reinstatement and associated consumables	m		1 050.00
2.3	SANS 1200 LB (LI)	BEDDING (PIPES)			
	8.2.1	Provision of selected granular material for class C pipe bedding from the following sources :			
2.3,1		Trench excavation within 2 km	m ³		-
2.3,2	8.2.2.3	Imported from commercial sources	m ³		541.33
	8.2.1	Provision of selected fill blanket to 300mm above the pipe from the following sources:			
2.3,3		Trench excavation within 2 km	m ³		127.22
2.3,4	8.2.2.3	Imported from commercial sources	m ³		296.84
2.3,5	8.2.2.3	Provision of 19mm nominal size crushed stone aggregate required for bedding from commercial source when instructed by the Engineer	m ³		3 696.50
2.4	SANS 1200 LD	SEWERS			
2.4,1		Pipework			
		Supply, lay, joint and test structured wall uPVC heavy duty or similar approved socket-ended pipes on granular bedding as shown on drawings			
2.4,1,1	8.2.1	160mm dia	m		12 963.56
2.4,1,2	8.2.1	200mm dia	m		2 390.75
2.4,1,3	8.2.1	250mm dia	m		255.87
2.4,1,4	8.2.1	355mm dia	m		3 734.29
2.4,1,4		Camera testing of items 2.4,1,1 and 2.4,1,2 including hard copy and electronic copy of test results as per council specifications	m		19 344.46
2.4,1,5		Installation of sewer pipe under existing stormwater system infrastructure (Wingwalls, Culverts, Channels etc). Price to include reinstatement and repair of infrastructure if required	No		70.00

2,4,2		MANHOLES			
		Supply all materials and labour for the construction of concrete manholes from precast sections complete with cover and frame, including step irons, channelling, benching, grouting, Kimberley socket, short pipes, etc in the following diameter and depth categories:			
2,4,2,1		1 000mm dia : 0,0m - 1,5m	No		26.00
2,4,2,2		1 000mm dia : 1,5m - 2,0m	No		126.00
2,4,2,3		1 250mm dia : 2,0m - 2,5m	No		77.00
2,4,2,4		1 250mm dia : 2,5m - 3,0m	No		18.00
2,4,2,5		1 500mm dia : 3,0m - 3,5m	No		11.00
2,4,2,6		Extra Over for items 2,4,2,1 to 2,4,2,5			
2,4,2,6,1		Installation of Heavy Duty cover slabs and cover on manholes constructed within the roadways. Manholes to be confirmed with Engineer	No		258.00
2,4,3	8.2.6 (LI)	Erf Connections			
		Construct Type 1 house connections complete as detailed and specified on drawings connecting to main sewer for depths not exceeding 3,5m on the following pipes:			
2,4,3,1	PSLD 3.1	160mm dia structured wall uPVC	No		168.00
		Construct Type 2 house connections complete as detailed and specified on drawings connecting to main sewer for depths not exceeding 3,5m on the following pipes. Including saw cutting of roadway and reinstatement to satisfaction of Engineer			
2,4,3,2	PSLD 3.1	160mm dia structured wall uPVC	No		250.00
		Construct Type 3 House Connections complete as detailed and specified on drawings including all material and labour for connecting to manholes, for lengths in excess of 6m			
2,4,3,3		Conventional method - 160mm dia structured wall uPVC	No		350.00
2,4,3,4		Trenchlessl method - 160mm dia structured wall uPVC (Across paved roadways only)	No		12.60
2,4,4	PSLD 2.2	Make provision for testing water tightness of manholes including all work and materials necessary as specified, only where instructed by the Engineer	No		12.60
2,4,5	8.2.11 (LI)	Connect to existing sewer :			
		New sewer to existing bulk sewer for depths of :			
2,4,5,1		1.0m to 2,0m	No		-
2,4,5,2		2.0m to 4,0m	No		10 000.00
2.5	PSSR	SUBSURFACE DRAINS			
	SANS 1200DB	Excavate in all materials of trenches for subsoil drains, backfill, compact and dispose of surplus/unsuitable material for the following depths and width categories:			
2,5,1	8.3.2	At bottom of existing sewer trench 300mm wide x 300mm deep	m		529.20
		Supply and install the following for the construction of subsoil drains complete as shown on drawing			
2,5,2	PSSR 3.1	110mm dia Slotted HDPE or Geopipe including couplings	m		529.20
2,5,3	PSSR 3.2	Geotextile membrane U14	m ²		63.50
2,5,4	PSSR 3.3	19mm Nom.size crushed stone aggregate	m ³		86.55
2,5,5	PSSR 3.1	110mm dia Fittings, i.e bends, junctions etc	No		26.60
2.6		REINSTATEMENT OF ROADS			
2,6,1		Reinstatement of roads including kerbing where disturbed. Rate to include reinstatement of layerworks, asphalt and kerbing including obtaining approval from local authority	m ²		91.00
SECTION 2 : SUB-TOTAL					



RUSTENBURG LOCAL MUNICIPALITY

TENDER No. RLM/0MM/00107/2022/23

**UPGRADING OF LETHABONG WASTE TREATMENT
WORKS AND OF INSTALLATION OF SEWER RETICULATION SYSTEM IN WARD 27 (PHASE
A) (RE-ADVERT)**

SUMMARY					
	SECTION 1 : PRELIMINARY AND GENERAL				
	SECTION 2 : SEWER NETWORK				
	SUB TOTAL (A)				
	CONTINGENCIES (10%)				
	SUB TOTAL (B)				
	VAT (15%)				
	TOTAL (A & B)				