

Tender:

Part C2: Pricing Data

Section C2.2: Schedule of Quantities

Schedule No. 1: Preliminary and General

Item	Payment Reference	Description	Unit	Qty	Rate (R)	Amount (R)
1,1	SANS 1200 A	SCHEDULE NO. 1 PRELIMINARY AND GENERAL				
	8,3	FIXED-CHARGE ITEMS				
	8.3.1	1 <u>Contractual Requirements (All Regions)</u>				
		a) Up to R 1 million	Sum	1		
		b) Extra over per R 1 million or portion thereof	Sum	1		
	8.3.2	a) <u>Facilities for the Engineer</u>				
		(i) Furnished offices, latrine facilities and camp	Sum	1		
	8.3.2	b) <u>Facilities for the Contractor</u>				
		(i) Offices and storage sheds	Sum	1		
	8.3.3	3 <u>Other fixed-charge obligations</u>				
		a) Up to six months	Sum	1		
	8.3.4	4 <u>Contractor's and Engineers Establishment/ De-establishment in region</u>				
		a) Remove contractor's site establishment on completion	Sum	1		
		b) Additional establishment including all costs (Item 8.3.2)	Sum	1		
	8.3.5	5 <u>Occupational Health and Safety</u>				
1,2	8,4	TIME-RELATED ITEMS				
	8.4.1	1 <u>Contractual requirements (All Regions)</u>	Month	12		
	8.4.3	3 <u>Supervision for duration of construction</u>	Month	12		
	8.4.4	4 <u>Company and head office overhead costs for the duration of the contract</u>	Month	12		
	8.4.5	5 <u>Other time-related obligations</u>	Month	12		
	8.4.6	6 <u>Occupational Health and Safety</u>				
		Compliance with Occupational Health and Safety Act (Act 85 of 1993) and its regulations and with the Employers Health and Safety Specification	Month	12		
1,3	8,5	SUMS STATED PROVISIONALLY				
		<u>For work to be executed by the Contractor and valued in terms of the "Valuation of Variations" clause in the Conditions of Contract</u>				
		1 <u>Allowances</u>				
		a) <u>Royalties</u>				
		(i) Royalties payable for borrow materials	Prov sum	1	R 5 000,00	5 000,00
		(ii) Overheads, charges and profit on the above	%			
		b) <u>Remuneration</u>				
		(i) CLO/LDO remuneration	Month	12	R 7 500,00	7 500,00
		(ii) Overheads, charges and profit on the above	%			
		c) <u>Training</u>				
		(i) Accredited and approved training courses for selected local and other labourers including wages during training	Prov sum	1	R 20 000,00	20 000,00
		(ii) Overheads, charges and profit on the above	%			
					Carried Forward	

				Brought Forward		
		(iii) Wages and salaries of local and other labourer employed by the Contractors and Emerging Contractors i.r.o training periods	Prov sum	1	R 120 000,00	120 000,00
		(iv) Overheads, charges and profit on the above	%			
		d) <u>Existing services</u>				
		(i) Locating existing services	Prov sum	1	R 50 000,00	50 000,00
		(ii) Overheads, charges and profit on the above	%			
		(iii) Relocating existing services	Prov sum	1	R 80 000,00	80 000,00
		(iv) Overheads, charges and profit on the above	%			
		f) <u>Specialist services</u>				
		(i) Payment of surveyors, geologists, etc	Prov sum	1	R 75 000,00	75 000,00
		(ii) Overheads, charges and profit on the above	%			
		g) <u>Power Supply by Eskom</u>				
		(i) Power supply to for the contractor's facilities	Prov sum	1	R 60 000,00	60 000,00
		(i) Overheads, charges and profit on the above	%			
		h) <u>Engineers requirements</u>				
		(i) Engineers accomodation	Prov sum	1	R 70 000,00	70 000,00
		(ii) Overheads, charges and profit on the above	%			
		(iii) Cellular phone costs	Prov sum	1	R 40 000,00	40 000,00
		(iv) Overheads, charges and profit on the above	%			
		(v) Acceptance control testing	Prov sum	1	R 50 000,00	50 000,00
		(vi) Overheads, charges and profit on the above	%			
		(vii) Computers, printers, cameras, etc	Prov sum	1	R 60 000,00	60 000,00
		(viii) Overheads, charges and profit on the above	%			
		i) <u>Wayleaves</u>				
		(i) Wayleaves	Prov sum	1	R 15 000,00	15 000,00
		(ii) Overheads, charges and profit on the above	%			
		j) <u>Telemetry Services</u>				
		(i) External Specialist	Prov sum	1	R 170 000,00	170 000,00
		(ii) Overheads, charges and profit on the above	%			
		TOTAL SCHEDULE 1: PRELIMINARIES AND GENERAL				
Carried forward to Summary of Bill						

SCHEDULE 3: HEALTH AND SAFETY						
ITEM NO.	PAYMENT REF.	DESCRIPTION	UNIT	Quantity	RATE	AMOUNT
3.0	PHS	SCHEDULE 3: HEALTH AND SAFETY				
3.1		NOTIFICATION OF CONTRUCTION WORK				
3.1.1		Allow for the cost of notification of construction work by the Principal Contractor.	Sum	1		
3.2		HEALTH AND SAFETY PLAN				
3.2.1		Allow for the cost of setting up a Health and Safety Plan as required in the specifications for the Principal Contractor. (To be approved by Agent before commencement of work.)	No.	1		
3.2.2		Allow for the cost of setting up a Health and Safety Plan as required in the specifications for each sub-contractor appointed by the Principal Contractor.	No.	3		
3.2.3		Overheads, charges and profit on Item 3.2.2	%			
3.3		HEALTH AND SAFETY MAIN FILE				
3.3.1		Allow for the cost to compile a health and safety file to include all the required supporting documentation as follows: (NOT TO BE REMOVED FROM SITE) (All files shall be lever arch files with original colour document of acceptable standards including dividers. Emergency numbers to be displayed on the back of the file. The file will be expanded during the project as and when required by the client.)	No.	1		
3.4		HEALTH AND SAFETY TRAINING FILE				
3.4.1		Allow for the cost to compile a health and safety Register file to include all the required Training material.	Sum	1		
3.4.2		Allow for the cost of compiling a Health and Safety Register file for each sub-contractor including all the applicable supporting documentation as for the Principal Contractor.	No.	1		
3.4.3		Overheads, charges and profit on Item 3.4.2	%			
3.5		SERVICE PROVIDER APPOINTMENTS				
3.5.1		Allow for the appointment of a SHE Coordinator to do monthly inspections. (Control on SHE Representative)	month	12		
3.5.2		Allow for the appointment of a H&S trainer to train the SHE representative.	Sum	1		
3.6		TRAINING ON SITE				
		Allow for the cost of training courses:				
3.6.1		Induction training for all workers	No.	15		
3.6.2		Public awareness & Community training	No.	15		
3.6.3		Tool box talks (All Aspects)	No.	15		
3.6.4		First aid / Fire Fighting training	No.	15		
3.6.5		HIV training	No.	15		
3.7		ACCREDITED TRAINING OFF SITE				
3.7.1		Training on construction vehicles and mobile plant for each Operator.	No.	15		
3.7.2		First aid Level 1	No.	15		
3.7.3		Fire fighting Level 1	No.	15		
3.7.4		SHE representative Certificate	No.	15		
3.7.5		Incident management Certificate	No.	15		
3.7.6		Risk assessment Certificate	No.	15		
3.7.7		COID Act Certificate	No.	15		
TOTAL CARRIED FORWARD						

SCHEDULE 3: HEALTH AND SAFETY						
ITEM NO.	PAYMENT REF.	DESCRIPTION	UNIT		RATE	AMOUNT
				Todate		
BROUGHT FORWARD						
3.8		SHE REPRESENTATIVE				
3.8.1		Allow for the cost of a SHE representative to be permanently on site (for Principal Contractor).	month	12		
3.9		FIRST AID EQUIPMENT				
3.9.1		First aid box	No.	3		
3.9.2		Stretcher	No.	3		
3.10		FIRE FIGHTING EQUIPMENT				
		Allow for the cost of:				
3.10.1		Fire extinguishers	No.	1		
3.10.2		Fire extinguishers of sub-contractors	No.	1		
3.10.3		Fire extinguishers test certificates	No.	1		
3.11		PERSONNEL PROTECTIVE CLOTHING				
		Allow for the cost of:				
3.11.1		Hardhats	No.	10		
3.11.2		Safety shoes	No.	20		
3.11.3		Dust masks	No.	20		
3.11.4		Safety goggles	No.	20		
3.11.5		Gum boots	No.	20		
3.11.6		Welding helmet	No.	20		
3.11.7		Gas Welding goggles	No.	20		
3.11.8		Leather aprons	No.	20		
3.11.9		Overalls	No.	20		
3.12		BARRICADING				
		Allow for the cost of barricading of excavations as instructed by Agent				
3.12.1		Danger tape	m	12 000		
3.12.2		1.2m Dayglo Mesh	m	10 000		
3.13		CHEMICAL TOILETS				
		Allow for chemical toilets on site as required by the specification				
3.13.1		For male workers	Month	12		
3.13.2		For female workers	Month	12		
3.14		EATING FACILITIES				
3.14.1		Allow for eating facilities in the form of a shaded net, table and chairs.	No.	3		
3.15		SIGNS				
		Allow for sign boards to be displayed on site as required		5		
3.15.1		No entry signs	No.	14		
3.15.2		First aid signs	No.	8		
3.15.3		Fire equipment signs	No.	8		
3.15.4		Warning signs (Construction area boards)	No.	18		
3.15.5		Traffic control boards	No.	18		
TOTAL CARRIED FORWARD						

SCHEDULE 3: HEALTH AND SAFETY						
ITEM NO.	PAYMENT REF.	DESCRIPTION	UNIT		RATE	AMOUNT
				Todate		
BROUGHT FORWARD						
3.16		MEDICAL TESTS				
		Allow for medical tests for workers as required				
3.16.1		Medical fitness tests for operators on construction vehicles	No.	5		
3.16.2		Fitness tests for workers at heights	No.	7		
3.16.3		Fitness tests for general workers	No.	20		
TOTAL CARRIED TO SUMMARY						

Schedule No. 2: Earthworks

Earthworks							
ITEM NO	PAYMENT REFERENCE	LI SC	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.1	SABS 1200 D		EARTHWORKS				
2.1.1	8.3.3		Restricted Excavations				
2.1.1.1		LI	Excavate for restricted pipe trenches in all materials and use for backfill or dispose for: Chambers (Valve and Air Valve)	m³	30		
2.2	SABS 1200 DB		EARTHWORKS (PIPE TRENCHES)				
	8,3		SCHEDULED EARTHWORKS ITEMS				
	PSDB 8.3.2		Excavation:				
	PSDB 8.3.2.a)		Excavate in all materials for trenches, backfill, compact and dispose of surplus material as ordered for depths up to 1.8m:				
2.2.1			Pipes up to and including 110mm ND.	m³	9 000		
	8.3.2.b)		Extra-over for:				
2.2.2	8.3.2.b).ii		Hard rock excavation. (Blasting or Pneumatic Drilling)	m³	5 000		
2.2.3			Intermediate excavation	m³	1 000		
2.2.4			Hand excavation	m³	1 000		
2.3	SABS 1200 LB		BEDDING (PIPES)				
2.3.1	8.2.1 8.2.1.a)	LI	Provision of bedding from Trench Excavation: Selected granular material.	m³	250		
2.3.2	8.2.1.b)	LI	Selected fill material.	m³	200		
	8.2.2		Supply only of Bedding by Importation: From Commercial Source:				
2.3.3	8.2.2.a)		Selected granular material.	m³	100		
2.3.4	8.2.2.b)		Selected fill material.	m³	100		
SUB-TOTAL CARRIED FORWARD TO NEXT PAGE							

Section C2.2: Schedule of Quantities

SUB-TOTAL BROUGHT FORWARD FROM PREVIOUS PAGE						
2.4	SABS 1200L		MEDIUM PRESSURE PIPELINES			
	8.2.1		Supply, deliver, lay, bed and install uPVC pipes with couplings:			
2.4.2			160mm uPVC Class 12	m	8 000	
			110mm uPVC Class 12	m	1 750	
			90mm uPVC Class 12	m	2 500	
			75mm uPVC Clsss 12	m	3 600	
	8.2.2		Extra-over for supply, deliver, lay, bed and install specials and fittings suitable for:			
2.4.3			22.5 deg. Bends:			
			uPVC pipes	No.	10	
2.4.4			45 deg. Bends:			
			uPVC pipes	No.	10	
2.4.5			90 deg. Bends:			
			uPVC pipes	No.	25	
2.4.6			Couplings:			
			Repair coupling	No.	20	
			Flanged adaptor	No.	20	
2.4.7	8.2.5		Valves: (Class 16)			
2.4.7.1	8.2.5.a)		75 mm ND RSV Gate Valve.	No.	10	
2.4.7.2	8.2.5.a)		110 mm ND RSV Gate Valve.	No.	6	
			160mm ND RSV Gate Valve.	No.	3	
			200 mm Valve	No.	1	
2.4.7.3	8.2.5.b)		50 mm RGX Double Acting Air Valve.	No.	3	
	PSL 8.2.11	LI	Anchor Blocks and Pedestals			
2.4.8			As per standard Detail	m³	10	
	PSL 8.2.16	LI	Marker Blocks			
2.4.9			As per standard Detail	No.	5	
2.4.10	8.2.13		Valve Chambers			
			Construction of complete valve chambers including excavation, backfill, compaction, all pipework as per standard Details			
2.4.10.1			Isolation valve chamber	No.	3	
2.4.10.2			Air valve chamber	No.	3	
2.5			Refurbishment of Existing Distribution Pipelines	m	250	
			Supply and installation of Pre-Paid Water Meters	No	147	
			Ancillaries for Prepaid Water Meters	N0	847	
TOTAL CARRIED FORWARDED TO SUMMARY						

SUMMARY OF SCHEDULES		
SECTION	DESCRIPTION	AMOUNT
SECTION 1	GENERAL ITEMS	
SECTION 2	DAYWORKS	
SECTION 3	EARTHWORKS	
SECTION 4	PIPELINES	
SUB-TOTAL A		
Plus 10% for Contingencies on Sub-Total A		
Plus 5% for Escalation on Sub-Total A		
SUB-TOTAL		
PLUS 15% VAT		
TOTAL TENDER PRICE		

TENDERER: _____

ADDRESS: _____

CELL: _____

E-MAIL: _____

SIGNATURE: _____

DATE: _____