

**O. R. TAMBO DISTRICT MUNICIPALITY  
NGXONGWENI WATER SUPPLY SCHEME - CONTRACT 1  
ORTDM SCMU**

**Section 1 : Preliminaries**

**SECTION 1: P**

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
1	<b>SANS 1200 A</b>	<b>PRELIMINARY AND GENERAL</b>				
1.1		<b><u>Scheduled Fixed-Charge and Value-Related Items</u></b>				
1.1.1		Contractual Requirements	Sum	1		
		<u>Provision for the site facilities:</u>				
1.1.2		a) Facilities for the Engineer	Sum	1		
1.1.3		b) Facilities for the Contractor	Sum	1		
1.1.4		General responsibilities and other fixed charge obligations	Sum	1		
1.1.5		Removal of site establishment on completion	Sum	1		
1.1.6		Compliance with the OHS Act regulations (Rate to include for risk assessment specific to the project and other adjustments to ensure compliance for the assignment including maintenance of a register for workers contacts.)	Sum	1		
		<u>Costs of medical certificate and medical surveillance</u>				
1.1.7		a) Initial (baseline) medical examinations	No.	15		
1.1.8		b) Exit examinations	No.	15		
1.1.9		Allowance for Health and Safety Officer	Sum	1		
		<u>Environmental Management</u>				
1.1.10		a) Compliance with Environmental Management plan including waste management	Sum	1		
		<u>Contract Name boards</u>				
1.1.11		(a) Supply & erect Contract name board, See <b>Drawing standard</b>	No	1		
1.2		<b>SCHEDULED TIME-RELATED ITEMS</b>				
1.2.1		Contractual requirements	Sum	1		
1.2.2		Occupation and maintenance of the site facilities				
1.2.3		a) Facilities required by the Engineer	Sum	1		
1.2.4		b) Facilities required by the Contractor	Sum	1		
1.2.5		General responsibilities and other time related obligations including other obligations	Sum	1		
1.2.6		Compliance with the OHS Act regulations (Rate to include for risk assessment specific to the project and other adjustments to ensure compliance for the assignment including maintenance of a register for workers contacts.)	Sum	1		
1.2.7		Supervision for the duration of the contract	Sum	1		
<b>Carried Forward</b>						

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**SECTION 1: PRELIMINARY AND GENERAL**

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
<b>Brought Forward</b>						
1.3		<b>SUMS STATED PROVISIONALLY BY THE ENGINEER</b>				
1.3.1		Employment of CLO for the duration of the Contract (R7500 pm plus R500 pm cellphone allowance)	Prov. Sum	1	R40 000,00	R40 000,00
1.3.2		Payment of PSC members for attendance of meetings for the duration of the contract (5 No members at R500 per member per meeting)	Prov. Sum	1	R12 500,00	R12 500,00
		Contractors markup on item 1.3.17	%	R52 500,00		
1.3.3		Provision of Engineering Survey as instructed by the Engineer and for any As-built survey	Prov. Sum	1	R48 000,00	R48 000,00
1.3.4		Allow for Airtime to the Engineers site Personnel for the duration of the Contract	Prov. Sum	1	R5 000,00	R5 000,00
1.3.5		Employment of a Civil Engineering Student for the duration of the Contract (R10000 PM allowance)	Prov. Sum	1	R60 000,00	R60 000,00
1.4		<b>DAYWORKS</b>				
1.4.1		<b><u>LABOUR</u></b>				
		Supervision, transport etc to be included in P&G allowance. Any other allowance to be included in the rate)				
1.4.1.1		Foreman	hr	160		
1.4.1.2		Skilled	hr	120		
1.4.1.3		Semi-skilled	hr	700		
1.4.1.4		Unskilled	hr	3000		
1.4.2		<b><u>PLANT</u></b>				
1.4.2.1		a) TLB	hr	30		
1.4.2.2		Establishment and Destablishment for item 1.4.3.1	Sum	1		
1.4.2.3		b) Excavator	hr	10		
1.4.2.4		Establishment and Destablishment for item 1.4.3.3	Sum	1		
1.4.2.5		c) Flatbed truck	hr	10		
1.4.2.6		Establishment and Destablishment for item 1.4.3.3	Sum	1		
1.4.2.7		d) Wacker	day	5		
1.4.2.8		e) Water Pump	day	5		
<b>Total Carried Forward To Summary</b>						

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 Section 2: Sundries

Item	Ref.	Description	Unit	Qty	Rate	Amount
5		<b><u>SUNDRIES</u></b>				
5,1		<b><u>Anchor/thrust blocks</u></b> Thrust blocks as per typical details and specification.				
5.1.1		Concrete class 25/19	m <sup>3</sup>	55		
5.1.2		Rough formwork	m <sup>2</sup>	300		
5,3		Encasing of pipes in Class 15 Mpa / 19 mm	m <sup>3</sup>	15		
5,4		<b><u>Pipe Markers</u></b>				
5.4.1		Pipeline route markers as per specification, and white washed each.	No	70		
CARRIED FORWARD TO SUMMARY						R 0,00

### Section 3: Reticulation

[illegible]

2.	SANS 1200 LB PSLB	<b><u>BEDDING (PIPES)</u></b>				
2.1		<b><u>PROVISION OF BEDDING</u></b>				
		Available from trench within 0.5 km				
2.1.1		Selected granular material	m <sup>3</sup>	145		
2.1.2		Selected fill material	m <sup>3</sup>	818		
2.2		Make up deficiency in bedding material. (Only if approved by the Engineer)				
2.2.1		By Importation from designated borrow pit within a distance of 5km.	m <sup>3</sup>	Rate		Rate Only
2.2.2		By Import from commercial sources:				
2.2.3		Selected granular material	m <sup>3</sup>	150		
2.2.4		Selected fill material	m <sup>3</sup>	150		
Carried forward						



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Section 4: Reservoirs

Item	Ref.	Description	Unit	Qty	Rate	Amount
6		<b><u>CONSTRUCTION OF RESERVOIRS</u></b>				
6,1		<b><u>Site clearance for:</u></b>				
6.1.1		Reservoir site 120kl	No	1		
6,2		<b><u>Excavation for foundations in</u></b>				
6.2.1		Soft material	m3	15,0		
6.2.2		Intermediate material	m3	5,0		
6.2.3		Hard material	m3	5,0		
6,3		<b><u>Storage Reservoirs</u></b>				
		<i>Construct complete to specification, reservoir in accordance with the specification including inlet pipework, scourpipe work, outlet pipework, overflow pipe work, internal nad external ladder, level indicator, inspectionmanhole with locks, Air vent, lightning conductor, base, walls, roof, waterproofing, disinfection and water tightness test of the following reservoirs. All burried GMS pipework to be denzo wrapped according to specification</i>				
6.3.1		<b><u>135kl Steel Reservoir</u></b>	No.	1		
6,4		<b><u>Valves and Chambers</u></b>				
6.4.1		<b><u>Valve Chamber assemblies:</u></b> <b><u>(SUPPLY &amp; INSTALL)</u></b> Extra over for item No: 6.6. for Supplying, installing, bedding and testing Valve assemblies, complete as per details and specification and Including cutting of pipes and couplings to SANS standard as appropriate to the pressure rating as indicated.				
6,5		<b><u>Storage Reservoirs Fencing and Gate</u></b>				
6.6.1		Supply and Install reservoir fence 4m clear all round the reservoir and as directed by the Engineer, complete as per the specification and detail , concrete works and earthworks Included.	m	240		
6.6.3		Supply and Install reservoir 30MPa precast concrete pallsade security fencing (Concretex or similar approved). 4m clear all round the reservoir and as directed by the Engineer 2.4m high with pales at max.190mm centre to centre spacing.	m	Rate		Rate Only
6.6.4		Supply and Install 3m wide vehicle gate complete with support post and rollers, plus 900mm wide hinged pedestrian gate. All to be 2.4m high pallsade, hot dip galvanised steel. To include 50mm padlocks as directed by the Engineer	No.	Rate		Rate Only
CARRIED FORWARD TO SUMMARY						

**O. R. TAMBO DISTRICT MUNICIPALITY****NGXONGWENI WATER SUPPLY SCHEME - CONTRACT 1****ORTDM SCMU****Section 5: Pump House**

Item	Ref.	Description	Unit	Qty	Rate	Amount
4		<b><u>SUNDRIES</u></b>				
4,1		<b><u>Pump House</u></b> Renovate existing Pumphouse: Service the existing pump, cleans the walls, and floor, prepare the wall and paint 2 coats of paint, waterproof the roof concrete slab, replace the doors and leuvers.				
4.1.1		Sum	No	1		
4.1.2		Construct New Weir	No	1		
4,2		<b><u>Pumps</u></b>				
4.2.1		Install 2 pumps (1 standby) complete with water purification, Calibrate the existing Pump to be standby with operation manuals and training provided to the superintendent.	No	1		
4,3		<b><u>Eskom Connection</u></b>				
4.3.1		Provide 3 phase electrical Connection for the Pump Station and Borehole Pumps	No	1		
<b>CARRIED FORWARD TO SUMMARY</b>						



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BOQ SUMMARY		
ITEM NO:	DISCRIPTION	AMOUNT
1	PRELIMINARY AND GENERAL	
2	SUNDRIES	
3	RETICULATION	
4	RESERVIOIRS	
5	PUMP HOUSE	
	NET TOTAL OF TENDER	
	ALLOW 10% FOR CONTINGENCIES	
	SUB TOTAL	
	ADD 15% VALUE ADDED TAX	
TOTAL AMOUNT OF TENDER		