

BOQ FOR TERM CONTRACTORS FOR SERVICES RELATED TO WATER AND
SEWER ELECTROMECHANICAL WORKS FOR THE MOGALAKWENA LOCAL MUNICIPALITY

ITEM	DESCRIPTION	UNIT	QTY
1	<u>BOREHOLE EQUIPMENT</u>		
1,1	<u>Borehead Superstructure</u>		
1.1.1	Dismantling of borehead superstructure	No.	1
1.1.2	Re-assembling of borehead superstructure	No.	1
1,2	<u>Removal of existing pump and pipe work</u>		
1.2.1	Removal of columns diameter, 25mm - 65mm up to 50m	No.	1
1.2.2	Removal of columns diameter, 25mm - 65mm extra over 50m	m	1
1.2.3	Removal of columns exceeding 65mm diameter up to 50m	No.	1
1.2.4	Removal of columns exceeding 65mm diameter extra over 50m	m	1
1,3	<u>Installation of existing and new pump and pipe work (excl. probe pipe) Including the supply and applying of the STAG compound</u>		
1.3.1	Installation of columns diameter, 25mm - 65mm up to 50m	No.	1
1.3.2	Installation of columns diameter, 25mm - 65mm extra over 50m	m	1
1.3.3	Installation of columns exceeding 65mm diameter up to 50m	No.	1
1.3.4	Installation of columns exceeding 65mm diameter extra over 50m	m	1
1,4	<u>Minor repairs to existing equipment</u>		
1.4.1	Materials		As per invoice
1.4.2	Labour	Hour	1
1.4.3	Mark-up on materials	%	
1.4.4	Traveling/transport costs	km	1
1,5	<u>Remove and install electrical motors</u>		
1.5.1	Uncouple, loosen and remove motor	No.	1
1.5.2	Install, re-couple, align and test run	No.	1
1,6	<u>Recovering of borehole equipment</u>	Hour	1
TOTAL CARRIED FORWARD TO NEXT PAGE			

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TOYAL BROUGHT FORWARD FROM PREVIOUS PAGE				R -
1,7	<u>Minor repairs to existing equipment</u>			
1.7.1	Materials		As per invoice	
1.7.2	Labour	Hour	1	
1.7.3	Mark-up on materials	%		
1.7.4	Traveling/transport costs	km	1	
1,8	<u>Data recording and reporting (per borehole)</u>	No.	1	
1.8.1	Water level monitoring per observation borehole	Hour	1	
2	<u>PUMP STATIONS</u>			
2,1	<u>Remove and install electric motors</u>			
2.1.1	Uncouple, loosen and remove motor	No.	1	
2.1.2	Install, re-couple, align and test run	No.	1	
2,2	<u>Remove and install booster pumps</u>			
2.2.1	Uncouple, loosen and remove motor	No.	1	
2.2.2	Install, re-couple, align and test run pump	No.	1	
2,3	<u>Minor repairs to electrical motors (mechanical only) and booster pumps</u>			
2.3.1	Materials		As per invoice	
2.3.2	Labour	Hour	1	
2.3.3	Mark-up on materials	%		
2.3.4	Traveling/transport costs	km	1	
2,4	<u>Alterations to existing pipework</u>	Hour	1	
2.4.1	Materials		As per invoice	
2.4.2	Labour	Hour	1	
2.4.3	Mark-up on materials	%		
2.4.4	Traveling/transport costs	km	1	
2,5	<u>Dewatering</u>	Hour	1	
TOTAL CARRIED FORWARD TO NEXT PAGE				R -

ITEM	DESCRIPTION	UNIT	QTY	Rate
TOYAL BROUGHT FORWARD FROM PREVIOUS PAGE				R -
3	<u>Install, remove and repair equipment such as valves, non return vlaves, pressure valves e.t.c.</u>			
3,1	Materials		As per invoice	
3,2	Labour	Hour	1	
3,3	Mark-up on materials	%		
3,4	Traveling/transport costs	km	1	
4	<u>Install and/or remove tanks, tank stands and pipe work</u>			
4,1	Materials	No.	As per invoice	
4,2	Labour	Hour	1	
4,3	Mark-up on materials	%		
4,4	Traveling/transport costs	km	1	
5	<u>Concrete work with regard to installations (25MPa)</u>	m ³	1	
6	<u>Maintenance of diesel engines</u>			
6,1	Servicing of diesel engines.	Item	1	
6.1.1	Lister TS1	Item	1	
6.1.2	Lister TS2	Item	1	
6.1.3	Lister TS3	Item	1	
6.1.4	Hatz - 1 cylinder	Item	1	
6.1.5	Hatz - 2 cylinder	Item	1	
6,2	Diesel engine overhaul	Item	1	
6.2.1	Spares		as per invoice	
6.2.2	Mark-up on materials	%		
6.2.3	Traveling/transport costs	km	1	
7	<u>EXCAVATIONS</u>	Hour	1	
	Excavations in all materials for trenches for 315mm dia. And smaller. Rate to include only excavation.			
7,1	Up to 1.5m deep (700mm wide)	m	1	
7,2	Vegetation control	m ²	1	
7,3	Installation of diamond mesh fencing with posts, 1.8m	m	1	
7,4	Installation of palisade fencing posts	No.	1	
TOTAL CARRIED FORWARD TO NEXT PAGE				R -

ITEM	DESCRIPTION	UNIT	QTY	Rate
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8	<u>PIPE BEDDING</u>			
8,1	Provision of selected granular material for bedding cradle for flexible pipes from Borrow pits	m3	1	
8,2	Provision of selected fill for flexible pipes from Borrow pits	m3	1	
8,3	Overhaul for imported material for bedding cradle and selected fill blanket	m3/km	1	
9	<u>uPVC PRESSURE PIPE AND FITTINGS</u>			
	Rate to include handle, lay, bed, backfill, compact, dispose of surplus materials and test of uPVC pressure pipes and fittings. (Conforming with SABS 966-1976 specifications) (Excluding materials.)	m	1	
10	<u>COMPRESSOR WORK</u>			
10,1	Compressor work (Compressor, equipment and fuel provided by Contractor)			
10.1.1	Compressor with one jackhammer	Hour	1	
10.1.2	Compressor with two or more jackhammers	Hour	1	
11	<u>HARD ROCK EXCAVATION</u>			
	Removal of rock by means of jackhammers. (No explosives)			
11,1	Intermediate	m3	1	
11,2	Hard	m3	1	
11,3	Removal of rock by means of explosive	m3	1	
11,4	Traveling/transport costs	km	1	
12	<u>Erection of pre-cast concrete pump house as specified by the Mogalakwena Municipality</u>			
12,1	Materials		As per invoice	
12,2	Labour	Hour	1	
12,3	Mark-up on materials	%		
12,4	Traveling/transport costs	km	1	
TOTAL				R -

ITEM	DESCRIPTION	UNIT	QTY	Rate
TOYAL BROUGHT FORWARD FROM PREVIOUS PAGE				R -
13	BRICKWORK			
13,1	110mm walls plastered one side. (Excluding materials.)	m2	1	
13,2	220mm walls plastered one side. (Excluding materials.)	m2	1	
13,3	Materials		As per invoice	
13,4	Labour	Hour	1	
13,5	Mark-up on materials	%		
13,6	Traveling/transport costs	km	1	
14	MINOR STEELWORKS (Cutting, Fabrication, Installation and Two coats of paint)			
14,1	Materials		As per invoice	
14,2	Labour	Hour	1	
14,3	Mark-up on materials	%		
14,4	Traveling/transport costs	km	1	
15	MINOR ELECTRICAL WORKS (Investigation, Testing, Installation and Restore to working condition)			
15,1	Materials		As per invoice	
15,2	Labour	Hour	1	
15,3	Mark-up on materials	%		
15,4	Traveling/transport costs	km	1	
				R -
SUB TOTAL				R -
15% VAT				R -
TOTAL				R -
NOTE:				
All rates must include for Preliminary and General, Occupational Health and Safety aspects as well as accomodation of traffic. There shall be no additional payment outside the stated rates and submitted supplier's invoices.				

