

OVERSTRAND MUNICIPALITY

QUOTATION NO. SC 646/2009

UPGRADING OF THE FILTRATION PLANT AT BAARDSKEERDESBOS

ITEM No	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE (Rand)	AMOUNT (Rand)
		SECTION 1: PRELIMINARY & GENERAL				
	SANS 1200 AA	GENERAL (SMALL WORKS)				
1.1	8.3	SCHEDULED FIXED-CHARGE AND VALUE RELATED ITEMS				
1.1.1	8.3.1	Contractual Requirements	Sum	1		
1.1.2	8.3.2	Provision of Facilities on Site				
		b) Facilities required by Contractor	Sum	1		
1.1.3	8.3.3	General Responsibilities and other Fixed-charge Obligations	Sum	1		
1.1.4	8.3.4	Removal of Site Establishment	Sum	1		
1.2	SANS 1200AA	SCHEDULED TIME-RELATED ITEMS				
1.2.1	8.4.1	Contractual Requirements	Sum	1		
1.2.2	8.4.2	Operation and Maintenance of Facilities on Site				
		b) Facilities for Contractor	Sum	1		
1.2.3	8.4.3	General Responsibilities and other Time-related Obligations	Sum	1		
1.3	PSAA-8.5	SUMS STATED PROVISIONALLY BY ENGINEER				
	PSAA-8.5.1	1) For works to be executed by the Employer				
		a) Acceptance control testing				
1.3.1		i) Testing by approved commercial laboratory	Prov Sum	1		1000.00
1.3.2		ii) Overheads, charges and profit on item 1.3.1	%	5000		
		b) Checking of As-Built information				
1.3.3		i) Checking by independent Surveyor	Prov Sum	1		1000.00
1.3.4		ii) Overheads, charges and profit on item 1.3.3	%	5000		
1.4	SANS 1200 AA	TEMPORARY WORKS				
1.4.1	PSAA-8.5.3	Dealing with water	Sum	1		
TOTAL CARRIED FORWARD TO SUMMARY						

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		SECTION 2: EARTHWORKS				
	SANS 1200 DB	EARTHWORKS (PIPE TRENCHES)				
		All quantities are Provisional				
2.1	PSDB-8.3.2 a)	EXCAVATION Excavate in all materials for trenches, backfill, compact, and dispose of surplus material, for: 1) Water mains of depth exceeding 1.0 m but not exceeding 2.0 m for the following diameters:				
2.1.1		a) 63 mm	m	10		
2.1.2		b) 75 mm	m	10		Rate Only
2.1.3		b) 110 mm	m	10		Rate Only
	8.3.2	Extra over items 2.1.1 to 2.1.2 above for :				
2.1.3		1) Intermediate excavation	m ³	1		Rate Only
2.1.4		2) Hard rock excavation	m ³	1		
2.1.5	PSDB-8.3.3.4	Overhaul	m ³	1		
2.1.6	PSD-8.3.8.1 c)	Excavation by hand in soft material to expose existing service	m ³	2		
2.1.7	8.3.2 c)	Excavate and dispose of unsuitable material from trench bottom	m ³	3		Rate Only
2.2	8.3.3	EXCAVATION ANCILLARIES				
2.2.1	8.3.3.1 c)	Make up deficiency in backfill material by importation from commercial or off-site sources selected by the Contractor	m ³	1		
	PSDB-8.3.5 a)	Existing services that intersect or adjoin a pipe trench :				
		a) Services that intersect a trench :				
2.2.2		i) Water pipelines	No	2		
2.2.3		ii) Underground electrical cables	No	1		
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TOTAL BROUGHT FORWARD						
2.3	SANS 1200 LB	BEDDING				
	8.2.2.1	From necessary excavations				
2.3.1		Selected granular material	m ³	3		Rate Only
2.3.2		Selected fill material	m ³	2		
		Provision of bedding from commercial sources				
2.3.3	8.2.2.3 a)	Selected granular material	m ³	3		
2.3.4	8.2.2.3 b)	Selected fill material	m ³	2		Rate Only
2.3.5	PSLB-8.2.2.3 c)	13mm stone bedding	m ³	1		Rate Only
2.3.6	PSLB-8.2.6	Supply, handle and install 3m wide x 270 g/m ² needle-punched nonwoven polyester geotextile with 300mm minimum overlap with stone bedding	m	10		Rate Only
2.3.7	PSLB-8.2.5	Overhaul of material for bedding	m ³	3		
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QUOTATION NO. SC 646/2009

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ITEM No	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE (Rand)	AMOUNT (Rand)
		SECTION 3: WATER MAINS				
	SANS 1200 L	MEDIUM PRESSURE PIPELINES				
3.1	PSL-8.2.1	Supply, handle, lay, bed (for flexible pipes), joint, test and disinfect pipes complete with couplings (waste and cut lengths to be allowed for in these rates)				
3.1.1		63 mm dia. uPVC Class 16	m	10		
3.1.2		75 mm dia. uPVC Class 16	m	10		Rate Only
3.1.3		110 mm dia. uPVC Class 16	m	10		Rate Only
3.2		SPECIALS AND FITTINGS				
	PSL-8.2.2	Extra over items under 3.1 for the supply, laying and bedding of fittings and specials complete with couplings including cutting pipes to length where required, test and disinfect				
		Ductile Iron (Spheroidal Graphite Iron) 16bar fittings and specials to suit uPVC pipes				
		a) Socketed 90 degree bend				
3.2.1		i) 63 mm dia.	No	4		
3.2.2		ii) 75 mm dia.	No	1		Rate Only
3.2.3		iii) 110 mm dia.	No	1		Rate Only
		b) Socketed 45 degree bend				
3.2.4		i) 63 mm dia.	No	1		Rate Only
3.2.5		ii) 75 mm dia.	No	1		Rate Only
3.2.6		iii) 110 mm dia.	No	1		Rate Only
		c) Socketed 22½ degree bend				
3.2.7		i) 63 mm dia.	No	1		Rate Only
3.2.8		ii) 75 mm dia.	No	1		Rate Only
3.2.9		iii) 110 mm dia.	No	1		Rate Only
		d) Socketed 11¼ degree bend				
3.2.10		i) 63 mm dia.	No	1		Rate Only
3.2.11		ii) 75 mm dia.	No	1		Rate Only
3.2.12		iii) 110 mm dia.	No	1		Rate Only
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QUOTATION NO. SC 646/2009

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TOTAL BROUGHT FORWARD						
	PSL-8.2.2	f) Socketed flange adaptor				
3.2.13		i) 63 mm dia.	No	1		
3.2.14		ii) 75 mm dia.	No	1		Rate Only
3.2.15		iii) 110 mm dia.	No	1		
		g) Socketed equal tee				
3.2.16		i) 63 mm dia.	No	2		
3.2.17		ii) 75 mm dia.	No	1		Rate Only
3.2.18		iii) 110 mm dia.	No	1		Rate Only
		h) End cap				
3.2.19		i) 63 mm dia.	No	2		
3.2.20	ii) 75 mm dia.	No	1		Rate Only	
3.2.21	iii) 110 mm dia.	No	1		Rate Only	
	8.2.3	Mild steel fittings and specials to suit uPVC pipes				
3.2.22		100 mm diameter 16bar VJ flange adaptor to suit 100mm diameter steel pipe (refer to Clause PSL-3.8.2)	No	1		Rate Only
		Extra over items under 4.1 for the supplying, fixing and bedding of valves				
		a) Isolating valves				
3.2.23		i) 63 mm diameter 16bar socketed RSV gate valve (refer to Clause PSL-3.10.1.1)	No	1		
3.2.24		ii) 75 mm diameter 16bar socketed RSV gate valve (refer to Clause PSL-3.10.1.1)	No	1		Rate Only
3.2.25		iii) 110 mm diameter 16bar socketed RSV gate valve (refer to Clause PSL-3.10.1.1)	No	1		Rate Only
		b) Check valve				
3.2.26		i) 63 mm diameter 16bar flanged check valve (refer to Clause PSL-3.10.4)	No	1		Rate Only
3.2.27		ii) 75 mm diameter 16bar 16bar flanged check valve (refer to Clause PSL-3.10.4)				
3.2.28	iii) 110 mm diameter 16bar flanged check valve (refer to Clause PSL-3.10.4)	No	1		Rate Only	
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OVERSTRAND MUNICIPALITY

QUOTATION NO. SC 646/2009

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TOTAL BROUGHT FORWARD						
3.2.29	PSL-8.2.16	Cut into and connecting to existing water mains i) 63 mm dia.	No	2		Rate Only
3.2.30		ii) 75 mm dia.	No	1		
3.2.31		iii) 110 mm dia.	No	1		
3.2.32	PSL-8.2.11	Anchor / Thrust Blocks and Pedestals	m ³	1		
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		SECTION 4: FILTRATION PLANT				
4.1	PMF	FILTRATION				
4.1.1	PMF-12.1	Supply, deliver, install, commission and maintain pressure sand filters (refer to Clause PMF 5.1)	No	2		
	PMF-12.2	Supply, deliver, install, commission and maintain of filtration plant pipework and accesories				
		a) Filter media				
4.1.2		i) Anthracite (refer to Clauses PMF-5.2.1 and PMF-5.2.3)	Sum	1		
4.1.3		ii) Sand (refer to Clause PMF-5.2.2 and PMF-5.2.3)	Sum	1		
4.1.4		b) Appurtenant installations				
		i) All mechanical installations including mild steel pipework and all control valves, isolating valves, pressure gauges, backwash pipes and air valves required for the automation of the filtration plant in terms of operation and maintenance (refer to Clauses PMF-2, PMF-5.3, PMF-5.4 and PMF-5.5)	Sum	1		
4.1.5	PMF-12.4	Compile, supply and deliver a complete set of operation and maintenance manuals for all the pressure sand filters specified and measured in PMF-9 (5 copies)	Sum	1		
4.1.6	PMF-12.6	Supply, deliver, install and commission power supply to the filtration plant building	Prov Sum			10000.00
4.1.7	PSL-8.2.5	Supply, handle, install and commision pipe specials, valves and fittings for modifications to the existing reservoir inlet pipework	Prov Sum			10000.00
4.2		FILTRATION PLANT BUILDING				
4.2.1	PMF-12.3	Construct filtration plant building complete as per Drawing No J00991-01-036-001-C	Sum	1		
4.2.2	PMG-7	Grouting up, including formwork and curing, of openings in walls (box-outs) where pipe specials protrude with an approved non-shrink concrete repair grout (e.g. SikaGrout 214)	m ³	1		
4.2.3		Valve and pipe support	No	2		
4.2.4	PSL-8.2.11	Anchor/thrust blocks and pedestals	m ³	1		
TOTAL CARRIED FORWARD TO SUMMARY						

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	SANS 1200 AA PSAA-8.7	SECTION 5: DAYWORKS DAYWORKS NOTE: ALL LABOUR AND PLANT RATES TO INCLUDE MARKUP				
5.1		LABOUR	hr	10		Rate only
5.1.1		a) Site foreman	hr	10		Rate only
5.1.2		b) Surveyor and assistants	hr	10		Rate only
5.1.3		c) Operator	hr	10		Rate only
5.1.4		d) Gang Boss	hr	10		Rate only
5.1.5		e) Skilled labourer	hr	10		Rate only
		f) Unskilled labourer				
5.2		PLANT (Tenderer to fill in Model particulars, type, size, kW, etc)	hr	10		Rate only
5.2.1		a) Digger/ Loader Model:	hr	10		Rate only
5.2.2		b) Excavator Model:	hr	10		Rate only
5.2.3		c) Front end loader Model:	hr	10		Rate only
5.2.4		d) Roller (vib - self propelled) Model:	hr	10		Rate only
5.2.5		e) Roller (vib. - hand operated) Model:	hr	10		Rate only
5.2.6		f) Tip truck (10 m³) Model:	hr	10		Rate only
5.2.7		g) Water cart Model:	hr	10		Rate only
5.2.8		h) Pump (100 mm) Model:	hr	10		Rate only
5.2.9		i) Concrete mixer Model:	hr	10		Rate only
5.2.10		j) Bakkie Model:				
5.3		MATERIALS				
5.3.1		Overheads and profit on materials	%			Rate only
TOTAL CARRIED FORWARD TO SUMMARY						