



**APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF
INTERNAL WATER AND SEWER INFRASTRUCTURE FOR 526
ERVEN IN KOPANONG LOCAL MUNICIPALITY, REDDERSBURG**



human settlements
Department of Human Settlements
FREE STATE PROVINCE

Item	SANS 1200 A	Description	Unit	Quantity	Rate (R)	Amount (R)
		<u>SCHEDULE NO. 1</u> <u>PRELIMINARY AND GENERAL</u>				
		<u>FIXED-CHARGE ITEMS</u>				
1.1	8.3.1	<u>Contractual Requirements</u>	sum	1		
1.2	8.3.2	<u>Establishment of Facilities on Site</u>				
		.1 <u>Facilities for the Engineer</u>				
		Office and equipment for Engineer as and when required	sum	1	250,000.00	250,000.00
		(a) Nameboards	no	2		
		(b) Survey Equipment and assistant	sum	1		
		.2 <u>Facilities for the Contractor</u>				
		(a) Offices and storage sheds	sum	1		
		(c) Laboratories	sum	1		
		(d) Living accommodation	sum	1		
		(e) Ablution and latrine facilities	sum	1		
		(f) Tools and equipment	sum	1		
		(g) Water supplies, electric power and communications	sum	1		
		(h) Dealing with water (Sub-clause 5.5)	sum	1		
		(i) Access (Sub-clause 5.8)	sum	1		
		(j) Plant	sum	1		
1.3	8.3.3	<u>Other fixed-charge obligations (including Construction & Materials Management Function)</u>	sum	1		
1.4	8.3.4	<u>Removal of Contractor's and Engineers site establishment on completion</u>	sum	1		
1.5		Survey Ground Control	sum	1		
1.6		Supply camera survey of the as built sewers with grades indicated in video and digital format by specialist contractor	sum	1		
1.7		<u>Compliance with the Occupational Health and Safety Act (Act 85 of 1993) and its regulations and with the Employers Health and Safety Specification</u>	sum	1		
		<u>Quality Plan</u>				
1.8		Provide, manage and maintain Quality Plan	sum	1		
		<u>Environmental Management</u>				
1.9		Compliance with Environmental Management plan	sum	1		
Total Carried Forward						



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human settlements
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FREE STATE PROVINCE

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Total Brought Forward						
		<u>TIME-RELATED ITEMS</u>				
1.10		<u>Contractual requirements</u>	sum	1		
1.11	8.4.2	<u>Operation and maintenance of facilities on the Site for the duration of construction</u>				
		.1 <u>Facilities for the Engineer</u>				
		(b) Telephone (Telkom landline)	sum	1		
		(c) Nameboards	sum	1		
		(d) Survey assistant	sum	1		
		(e) Survey equipment	sum	1		
		(g) Laboratory equipment	sum	1		
		.2 <u>Facilities for the Contractor</u>				
		(a) Offices and storage sheds	sum	1		
		(b) Workshops	sum	1		
		(c) Laboratories	sum	1		
		(d) Living accommodation	sum	1		
		(e) Ablution and latrine facilities	sum	1		
		(f) Tools and equipment	sum	1		
		(g) Water supplies, electric power and communications	sum	1		
		(h) Dealing with water (Sub-clause 5.5)	sum	1		
		(i) Access (Sub-clause 5.8)	sum	1		
		(j) Plant	sum	1		
1.12	8.4.3	<u>Supervision for duration of construction</u>	sum	1		
1.39	8.4.4	<u>Company and head office overhead costs for the duration of the contract</u>	sum	1		
1.40	8.4.5	<u>Other time-related obligations</u>	sum	1		
1.41		<u>Compliance with the Occupational Health and Safety Act (Act 85 of 1993) and its regulations and with the Employers Health and Safety Specification</u>	sum	1		
		<u>Environmental Management</u>				
1.42		Compliance with Environmental Management plan	sum	1		
		<u>HIV / AIDS Awareness</u>				
1.43		.1 Awareness Champion	sum	1		
1.44		.2 Awareness Workshops	sum	1		
1.45		.3 Posters, Booklets, Videos, etc.	sum	1		
1.46		.4 Access to Condoms	sum	1		
1.47		.5 Monitoring	sum	1		
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human settlements
Department of Human Settlements
FREE STATE PROVINCE

Item	SANS 1200 A	Description	Unit	Quantity	Rate (R)	Amount (R)
2.1	8.5	<u>SCHEDULE NO. 2</u> <u>PROVISIONAL SUMS, PRIME COST ITEMS,</u> <u>DAYWORKS AND TEMPORARY WORKS</u>				
		<u>SUMS STATED PROVISIONALLY BY THE ENGINEER</u> (a) <u>For work to be executed by the Contractor and</u> <u>valued in terms of the "Valuation of Variations"</u> <u>clause in the Conditions of Contract</u> <u>Allowances</u> (a) .1 <u>Remuneration</u> .1 CLO remuneration .2 Overheads, charges and profit on the above .3 Community involvement, PSC payment .4 Overheads, charges and profit on the above .2 Training .1 Accredited and approved training courses for selected local and other labourers including wages during training .2 Overheads, charges and profit on the above .3 Testing of earthworks by approved materials labora .4 Overheads, charges and profit on the above .5 Health & Hygiene Training (Covid 19 Screening etc) .6 Overheads, charges and profit on the above .3 Engineers requirements .1 Allow a Provisional Sum of R 3,000 000 for Sewer Pump Station to be utilized as directed by the Engineer .2 Allow a Provisional Sum of R 1,500 000 for Pumping Main to be utilized as directed by the Engineer .3 Allow a Provisional Sum of R 650 000 Borehole Testing, Refurbishment and Installation of Pump System to be utilized as directed by the Engineer .3 Allow a Provisional Sum of R 120 000 for re-pegging to be utilized as directed by the Engineer				
	SANS 10299					



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Department of Human Settlements
FREE STATE PROVINCE

Item	SANS 1200 A	Description	Unit	Quantity	Rate (R)	Amount (R)
2.2		<u>MATERIALS</u>				
		(a) Materials used in the execution of dayworks	PC sum	50,000.00	1.00	50,000.00
		(b) Overheads, charges and profit on the above	%	10.00%		5,000.00
8.7		<u>DAYWORKS</u>				
		<u>Note:</u> Dayworks executed on instruction of the Engineer only				
2.3		<u>.1 LABOUR</u>				
		(a) Skilled	hr	50		
		(b) Semi-skilled	hr	100		
		(c) Un-skilled	hr	200		
2.4		<u>.2 PLANTHIRE (WORK RATES ON SITE)</u>				
		<u>TRUCKS</u>				
		<u>.1 Tipper trucks (specify capacity)</u>				
		(a) Capacity_3___m ³ (small)	hr	10		
		(b) Capacity_6___m ³ (medium)	hr	10		
		(c) Capacity_10___m ³ (large)	hr	10		
		<u>.2 Flatbed trucks (specify capacity)</u>				
		(a) Capacity_3___m ³ (small)	hr	10		
		(b) Capacity_5___m ³ (medium)	hr	10		
		(c) Capacity_8___m ³ (large)	hr	10		
		<u>LDV'S</u>				
		<u>.3 LDV (specify size)</u>				
		(a) LDV_1___ton	km	2,000		
		<u>WATER TANKERS</u>				
		<u>.4 Water tankers (specify capacity)</u>				
		(a) Capacity_____liter (small, towable)	hr	20		
		(b) Capacity_____liter (medium)	hr	20		
		(c) Capacity_____liter (large)	hr	20		
		<u>EXCAVATORS</u>				
		<u>.5 Crawler excavators (specify model/mass/kw)</u>				
		(a) Model_____/_____/kg____kw (small)	hr	10		
		(b) Model_____/_____/kg____kw (medium)	hr	10		
		(c) Model_____/_____/kg____kw (large)	hr	10		
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ERVEN IN KOPANONG LOCAL MUNICIPALITY, REDDERSBURG**



human settlements
Department of Human Settlements
FREE STATE PROVINCE

Item	SANS 1200 A	Description	Unit	Quantity	Rate (R)	Amount (R)
Total Brought Forward						
2.5		<u>TLB'S</u>				
		.6 <u>Tractor loader backhoe (TLB)(specify model)</u> (a) Model_____	hr	50		
		<u>.3 EQUIPMENT HIRE (WORK RATES ON SITE)</u>				
		<u>ROLLERS</u>				
		.7 <u>Walk behind vibrating rollers (specify model)</u> (a) Model_____(BW 61) (small)	hr	10		
		(b) Model_____(BW 76) (medium)	hr	10		
		(c) Model_____(BW 90) (large)	hr	10		
		<u>COMPACTORS</u>				
		.8 <u>Plate compactors (specify model)</u> (a) Model_____	hr	20		
		.9 <u>Wackers (specify model)</u> (a) Model_____	hr	20		
		<u>CONCRETE MIXERS</u>				
		.10 <u>Concrete mixers (specify mixing volume)</u> (a) Volume_____liter (small, towable)	hr	10		
		(b) Volume_____liter (medium)	hr	10		
		(c) Volume_____liter (large)	hr	10		
		<u>COMPRESSORS</u>				
		.11 <u>Portable diesel compressors (specify capacity)</u> (a) Capacity_____cfm (small)	hr	10		
		(b) Capacity_____cfm (medium)	hr	10		
		(c) Capacity_____cfm (large)	hr	10		
		<u>WATERPUMPS</u>				
		.12 <u>Waterpump (specify capacity)</u> (a) Capacity_____liter/sec (small)	hr	10		
		(b) Capacity_____liter/sec (medium)	hr	10		
		(c) Capacity_____liter/sec (large)	hr	10		
		<u>GENERATORS</u>				
		.12 <u>Mobile generator set (specify KVA)</u> (a) _____KVA (small)	hr	10		
		(b) _____KVA (medium)]	hr	10		
		(c) _____KVA (large)	hr	10		



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ERVEN IN KOPANONG LOCAL MUNICIPALITY, REDDERSBURG**



human settlements
Department of Human Settlements
FREE STATE PROVINCE

Item	SANS 1200 A	Description	Unit	Quantity	Rate (R)	Amount (R)
2.6		<p>.4 <u>TRANSPORT (TRANSPORT COST TO AND FROM SITE)</u></p> <p><u>Note:</u> Distance shall be measured one way only (Tender rates shall include for transport in both directions to and from site)</p> <p>.1 <u>Low bed</u> (a) Low-bed (suitable for the largest piece of equipment above)</p> <p>.2 <u>Tipper truck</u> (a) Small (b) Medium (c) Large</p> <p>.3 <u>Flatbed truck</u> (a) Small (b) Medium (c) Large</p> <p>.4 <u>Water tanker</u> (a) Small (b) Medium (c) Large</p>				
	8.8	<p><u>TEMPORARY WORKS</u></p> <p>.2 Accommodation of Traffic</p> <p>.4 <u>Existing services</u> (c) Excavation by hand in soft material to expose services</p>				
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INFRASTRUCTURE FOR 526 ERVEN IN KOPANONG LOCAL**



human settlements
Department of Human Settlements
FREE STATE PROVINCE

Item	SANS 1200 C	Description	Unit	Quantity	Rate (R)	Amount (R)
		<u>SCHEDULE NO. 3</u> <u>SITE CLEARANCE</u>				
3.1	8.2.1	<u>Clear and Grub</u> (b) <u>Clear and grub strips for (where not cleared within other clear and grub areas)</u> .1 Pipeline 1,5m wide	m	17000		
3.2	8.2.2	<u>Remove and grub large trees and tree stumps</u> <u>Taking down existing fences including neatly stacking</u> (a) Exceeding 1m and up to and including 2m (b) (b) Exceeding 2m and up to and including 3m	no no	5 5		
3.3		<u>REMOVAL OF FENCES, BOUNDARY WALLS, ETC</u>				
	8.2.5	(a) Taking Down Fences	km	1		
3.4	8.2.8	<u>Demolish and remove structures/buildings and dismantle steelwork, etc.</u> (a) Sewer Pump Station	Sum	1		
3.5	8.2.9	<u>Transport materials and debris to unspecified dump site</u>	m ³ .km	100		
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INFRASTRUCTURE FOR 526 ERVEN IN KOPANONG**



human settlements
Department of Human Settlements
FREE STATE PROVINCE

Item	SANS 1200 DB	Description	Unit	Quantity	Rate (R)	Amount (R)
4.1		<u>SCHEDULE NO. 4</u> <u>EARTHWORKS (PIPE TRENCHES)</u>				
		<u>TRENCHING FOR SEWER & WATER PIPES</u>				
	8.2.2	<u>EXCAVATION AND BACKFILLING</u>				
		(a) <u>Excavate in all materials, backfill and compact to 90% mod AASHTO density, and dispose of surplus and unsuitable materials at spoil site arranged by the contractor</u>				
		(a) .2 <u>Over 0.5 m and up to 1.0m wide</u>				
		.1 Up to 1,5m deep	m ³	25704		
		.2 Over 1,5m and up to 2,0m deep	m ³	11016		
		(b) <u>Extra over items 8.3.2 (a) for</u>				
		.1 Intermediate excavation	m ³	7344		
		.2 Hard rock excavation	m ³	9180		
		(c) <u>Excavate unsuitable material from trench bottom, dispose at site arranged by contractor, and re-fill with suitable imported material compacted to 90% mod AASHTO density</u>	m ³	2479		
	8.3.3	<u>ADDITIONAL COMPACTION</u>				
4.2		.3 <u>Compaction in road reserves</u>				
		.1 Additional compaction to 93% mod AASHTO density in road reserves	m ³	30		
	8.3.3.4	<u>Overhaul</u>				
4.3		(a) Limited overhaul (provisional)	m ³ .km	10000		
	8.3.5	<u>EXISTING SERVICES</u>				
4.4		<u>Existing services that intersect or adjoin pipe trench excavations</u>				
		(a) <u>Services that intersect a trench</u>				
		.1 Electric cable and overhead power lines	no	4		
		.2 Telephone cable	no	3		
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INFRASTRUCTURE FOR 526 ERVEN IN KOPANONG**



human settlements
Department of Human Settlements
FREE STATE PROVINCE

Item	SANS 1200 DB	Description	Unit	Quantity	Rate (R)	Amount (R)
Total Brought Forward						
		.4 Water main not exceeding 300mm diameter	no	5		
		.5 Sewer main not exceeding 300mm diameter	no	7		
		.6 Stormwater pipe not exceeding 600mm diameter	no	2		
		(b) <u>Services that adjoin a trench</u>				
		.1 Electric cables and overhead power lines	m	200		
		.4 Water main not exceeding 300mm diameter	m	200		
		<u>CONTROL WATER INFLOW</u>				
		.1 Control water inflow	sum	1		
		<u>PARTICULAR ITEMS:</u>				
		Shoring of trenches where required (both sides included)	m	17000		
Total Carried forward to Summary of Schedules						



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MUNICIPALITY, REDDERSBURG (MATOPORONG EXT. 3)**



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FREE STATE PROVINCE

MUNICIPALITY, REDDERSBURG (MAYORONG EXT. 5)						
Item	SANS 1200 LB	Description	Unit	Quantity	Rate (R)	Amount (R)
5.1	8.2.1	<u>SCHEDULE NO. 5</u> <u>BEDDING (PIPES)</u>				
		<u>BEDDING FROM TRENCH EXCAVATIONS</u>				
		<u>Provision of bedding material from trench excavations</u>				
		(a) Selected granular material	m³	7820		
		(b) Selected fill material	m³	5100		
		(C) Rock dump +/- 500mm thick	m³	100		
		(d) Concrete stone bedding 100mm thick	m³	100		
5.2	8.2.2	(e) Bidim A1 Geotextile 1,76m wide	m	100		
		<u>BEDDING BY IMPORTATION</u>				
		.1 <u>Provision of bedding material by importation from other necessary excavations within the freehaul distance</u>				
		(a) Selected granular material	m³	2346		
		(b) Selected fill material	m³	1785		
		.2 <u>Provision of bedding material by importation from borrow pit selected by the Contractor</u>				
		(a) Selected granular material	m³	3519		-
5.3		(b) Selected fill material	m³	1020		-
		<u>BEDDING FROM COMMERCIAL SOURCES</u>				
		.3 <u>Provision of bedding material by importation from commercial sources selected by the Contractor</u>				
		(a) Selected granular material	m³	1564		
		(b) Selected fill material	m³	1275		
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IN KOPANONG LOCAL MUNICIPALITY, REDDERSBURG
(MATOPORONG EXT. 3)**



human settlements
Department of Human Settlements
FREE STATE PROVINCE

Item	SANS 1200 LD	Description	Unit	Quantity	Rate (R)	Amount (R)
6.1		<u>SCHEDULE NO. 6</u> <u>SEWERS</u> <u>PIPEWORK</u>				
	8.2.1	(a) <u>Supply, lay, joint, bed (As per Drawing, Class C bedding) and test uPVC heavy duty Class 34 with lok joints</u>				
		.1 110mm Diameter	m	3000		
		.2 160mm Diameter	m	4200		
		.3 315mm Diameter	m	1100		
6.2	8.2.3	<u>MANHOLES</u> (a) <u>Supply and install 1 250mm diameter concrete manhole bases and concrete rings including the reinforced concrete cover slab (access opening closing with reinforced concrete slab whose frame equipped with steel ring cast into concrete cover slab), step irons cast into concrete rings at 300mm staggered intervals, the rate shall cover all necessary excavations in all types of materials, the backfill in 150mm thick layers compacted to 90% MOD AASHTO density, the compaction of ground before the placing of base commences to 90% MOD AASHTO density, the connection of the main sewer pipes to the manhole and the water tight sealing of the structure as per specifications in SABS 1 200 DB 8.3.2 and 8.3.3 as well as SABS 1 200 LD 5.6 for the following depths (depths are to be confirmed from the relevant longitudinal section drawings supplied in the construction drawings for this contract, any changes and/or deviations from the designs are to be confirmed and agreed upon by the Engineer or his representative on site in the site instruction book and accompany the relevant certificates of payment purposes): with heavy duty cover and frame Type 2A (rate to include angles and junctions)</u>				
		.1 0 - 1,5m Deep	No	95		
		.2 1,5 - 2m Deep	No	25		
6.3	8.2.8	<u>Anchor Blocks</u>	m ³	1		
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Department of Human Settlements
FREE STATE PROVINCE

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Total Brought Forward						
6.4	8.2.6	<u>SEWER ERF CONNECTIONS</u>				
		(a) <u>Direct erf connections with 110mm thick pipes to main sewer pipes of 160mm diameters. The rate shall cover the costs incurred by the clearing of stand connection pipe line (110mm diameter) routes of trees, rubble and any other obstacles, all necessary excavations in all types of material are to be to the required depths and widths (strictly as indicated on the relevant construction plans, sections and details) backfill to be in 160mm thick layers compacted to 90% MOD AASHTO density, bedding and covering to 300mm above the 110mm diameter pipe to be with compaction to 90% MOD AASHTO density, the disposal of surplus and or unsuitable material (with the replacement thereof from other excavations on site or from designated borrow pits if requested by the Engineer) the rehabilitation of the construction areas to their original conditions, the supply and laying of the 160mm x 110mm Y-Junctions, 110mm diameter bends and necessary 110mm pipes See DWG for details</u>	No	580		
6.5		(b) <u>Supply and install 110mm diameter permanent plug stoppers.</u>	No	580		
6.6		<u>MARKER POSTS</u>				
		<u>Supply and install marker posts complete as described per DWG at connection point where the end cap is positioned to enable the connection of toilets.</u>	No	580		
6.7		<u>EXISTING SERVICES</u>				
	8.2.11	<u>Connection to existing sewer</u>				
		(a) <u>Break into and connect to existing manholes, at positions and levels indicated on the relevant plans, sections and details on the drawings, make good all benching and ensure water tight sealing of the existing structure after connection, the rate shall include all excavations, backfill and re-compaction as per Item 8.3.2 and 8.3.3 of SABS 1 200 Section DB - compaction to be 90% MOD AASHTO density.</u>	No	1		
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Department of Human Settlements
FREE STATE PROVINCE

(MATOPORONG EXT. 3)							
Item		Description	Unit	Quantity	Rate (R)	Amount (R)	
7.1	8.2.1	<u>SCHEDULE NO. 7</u>					
		<u>MEDIUM PRESSURE PIPELINES (WATER)</u>					
		<u>WATER PIPES</u>					
		Supply and lay, handle, bed on Class B, bedding, transport, inspect, joint, cut pipes where necessary, test and disinfect various water pipes of the following sizes and types:					
		.1 63mm dia Class 9 uPVC Z pipes	m	5200			
			.2 75mm dia Class 9 uPVC Z pipes	m	1600		
			.3 90mm dia Class 9 uPVC Z pipes	m	300		
			.4 160mm dia Class 9 uPVC Z pipes (Pumping Main)	m	1600		
	8.4	SPECIALS AND FITTINGS					
		Supply, lay, bed, including cut pipes to length where required, disinfect, test and including jointing the the following extra over items for pipelaying:					
7.2	8.4.1	<u>SPECIAL FITTINGS uPVC Class 16 - Z-lock</u>					
		<u>BENDS</u>					
		(a) 63 mm x 90 degree	No	3			
		(b) 63 mm x 45 degree	No	50			
		(c) 63 mm x 22,5 degree	No	8			
		(d) 63 mm x 11,25 degree	No	4			
		(a) 75 mm x 90 degree	No	1			
		(b) 75 mm x 45 de s	No	5			
		(c) 75 mm x 22,5 degree	No	2			
		(d) 75 mm x 11,25 degree	No	3			
7.3		(a) 90 mm x 90 degree	No	2			
		(b) 90 mm x 45 degree	No	6			
		(c) 90 mm x 22,5 degree	No	4			
		(d) 90 mm x 11,25 degree	No	2			
		(e) 160 mm x 11,25 degree	No	1			
		<u>TEE PIECES (Cast Iron)</u>					
		(a) 63 mm equal	No	22			
		(b) 75 mm x 63 mm unequal	No	3			
		(c) 90 mm x 63 mm unequal	No	10			
		(d) 90 mm equal	No	4			
7.4		<u>REDUCERS</u>					
		(a) 90 mm x 63 mm Reducer	No	3			
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human settlements
Department of Human Settlements
FREE STATE PROVINCE

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7.5	<u>VALVES</u> <u>Supply, install, complete, cut, join, test Class 16 right-hand non-rising with cap top socket end Premier Valves</u> (a) 90 mm (b) 75 mm (c) 63 mm	No No No	10 2 58		
7.6	<u>FIRE HYDRANTS</u> <u>Supply, install, complete, joint, cut with hydrant T and distance, Woodland Fire hydrant or similar</u> (a) 90 mm x 65 mm (b) 75 mm x 65 mm (c) 63 mm x 63 mm	No No No	7 1 10		
7.7	<u>VALVE CHAMBERS AND MANHOLES</u> (a) Supply and install Valve chambers as per DWG (b) Supply and install Hydrant valve box as per DWG	No No	80 13		
7.8	<u>CONNECTION TO EXISTING PIPELINES:</u> Excavate in all materials to locate existing pipelines, (transport, supply and install, complete cut and join with necessary Cast Iron fittings to existing pipe) <u>ANCILLARY ITEMS</u>	No.	3		
7.9	Anchor thrust blocks and pedestals using mass concrete of a mix of 15 Mpa strength	m ³	10		
7.10	<u>FENCING</u> (a) Remove and reinstate existing fences only to original conditions after laying of pipes where applicable (b) Installation of Steel Palisade security fencing, with corrugated iron roof sheeting	m m ²	1000 10		
Total Carried Forward					



**APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF
INTERNAL WATER AND SEWER INFRASTRUCTURE FOR 526 ERVEN
IN KOPANONG LOCAL MUNICIPALITY, REDDERSBURG
(MATOPORONG EXT. 3)**



human settlements
Department of Human Settlements
FREE STATE PROVINCE

Item	Description	Unit	Quantity	Rate (R)	Amount (R)
Total Brought Forward					
7.11	ERF CONNECTIONS Stand connections on new pipes complete with all fittings and parts as described on the relevant plans, section and details on drawings for single (one) erf connections . The rate shall cover the cost of all necessary excavations in all types of materials to the required depths and widths, backfill, compacted to 90% MOD AASHTO density, the disposal of surplus and/or unsuitable material (with replacement thereof), the connection of water up to the point as and where indicated on DWG including standpipes with splash blocks. (water meter measured elsewhere)	No.	25		
7.12	Stand connections on new pipes complete with all fittings and parts as described on the relevant plans, section and details on drawings for double (two) erf connections . The rate shall cover the cost of all necessary excavations in all types of materials to the required depths and widths, compacted to 90% MOD AASHTO density, disposal of surplus and/or unsuitable material (with replacement thereof), the connection of water up to point as and where indicated on the drawings, including standpipes with splash blocks (water meter measured elsewhere) as per DWG	No.	555		
7.13	Stand connections on existing pipes complete with all fittings and parts as described on the relevant plans, section and details on drawings for single (one) erf connections . The rate shall cover the cost of all necessary excavations in all types of materials to the required depths and widths (as indicated on the relevant plans, sections and details, backfill, compacted to 90% MOD AASHTO density, the disposal of surplus and/or unsuitable material (with replacement thereof), the connection of water up to the point as and where indicated on drawings, (water meter measured elsewhere) as per DWG	No.			Rate Only
7.14	Stand connections on existing pipes complete with all fittings and parts as described on the relevant plans, section and details on drawings for double (two) erf connections . The rate shall cover the cost of all necessary excavations in all types of materials to the required depths and widths (as indicated on the relevant plans, sections and details, backfill, with compaction to 90% MOD AASHTO density, the disposal of surplus and/or unsuitable material (with replacement thereof) the connection of water up to the point as and where indicated on drawings, (water meter measured elsewhere) as per DWG	No.			Rate Only
7.15	Extra over Items 5.8.1 to 5.8.4 (a) 20mmHDPE pipes for connections from a pipe opposite the street	m	1350		
Total Carried Forward					



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Item		Description	Unit	Quantity	Rate (R)	Amount (R)
Total Brought Forward						
7.16		Supply, transport, excavate, install and backfill of Aqua-Loc Mono Housing Basic complete with control flow and ONE SABS 15mm water meter.				Rate Only
		(a) On new water network	No.	580		
		(b) On existing water network	No.			
7.17		<u>Valve & Pipe Markers</u>				
		a) Pipe markers at bends	No.	35		
		b) Hydrant markers	No.	13		
		d) Valve markers	No.	43		
Total Carried forward to Summary of Schedules						



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Summary of Schedules

Schedule No.	Description	Amount (R)
1	Preliminary and General	
2	Dayworks, Provisional Sums and Prime Cost Items	
3	Site Clearance	
4	Earthworks (pipe trenches)	
5	Bedding (pipes)	
6	Sewer	
7	Medium Pressure Pipelines	
Sub-Total A		
Plus 10% Contengencies		
Sub-Total B		
Plus 15% VAT		
TOTAL CARRIED FORWARD TO FORM OF OFFER AND ACCEPTANCE		