

Tender No.: RWXXXX		Devland Meter connection				
Description: Installation of meter connection at Devland		SCHEDULE E: Civil				
Item No	Payment Refers	Description	Unit	Qty	Rate	Amount
E1	<b>SANS 1200 C</b>	<b>SECTION C: SITE CLEARANCE</b>				
E1.1	8.2.1	Clear and grub	m <sup>2</sup>	60		R -
E1.2	8.2.4	Reclear surfaces (only on instructions from the engineer)	m <sup>2</sup>	20		R -
E1.2.1	8.2.8	<u>Demolish and remove structures/buildings and dismantle steelworks, etc</u>				
E1.2.3		Existing brick chamber with reinforced concrete base and roofslab	Sum	0		R -
E1.3	8.2.10	Remove topsoil to nominal depth of 150mm and stockpile	m <sup>3</sup>	20		R -
E2	<b>SABS 1200DA</b>	<b>SECTION DA: EARTHWORKS</b>				
E2.1	8.3.1(b)	Excavate in all materials and use for backfill (• In-situ backfill of selected suitable G7 material from excavations, compacted in layers not exceeding 150mm to 93% MOD AASHTO density at -1% to +2% OMC) or dispose as ordered. <b>All haul for this contract shall be regarded as freehaul. The cost of transportation of all materials will be deemed to be included in the rates and prices tendered.</b>	m <sup>3</sup>	285		R -
E2.2	8.3.1 (c)	Extra-over for:				R -
E2.2.1		2) hard rock excavation (Provisional)	m <sup>3</sup>	22		R -
E2.3	8.3.4	Importing of material from a commercial sources				
E2.4	8.3.4.1	Importing of backfill G7 Material compacted in layers not exceeding 150mm in thickness compacted to 93% MOD AASHTO density AT -1% to +2% OMC	m <sup>3</sup>	100		R -
E2.5	8.3.4.2	Extra over for 8.3.1(b)	m <sup>3</sup>	22	R -	R -
E2.6	8.3.4.2	G5 Material compacted in layers not exceeding 100 mm in thickness compacted to 95% MOD AASHTO density AT -1% to +2% OMC	m <sup>3</sup>	17		R -
E2.7	8.3.6	Topsoiling from stockpile and planting of grass	m <sup>2</sup>	130		R -
E2.8	8.3.7	Planting of grass from commercial sources to match what is on site	m <sup>2</sup>	0		R -
E2.9	8.8	Shoring of excavations	Sum	1		R -
E2.10	PSDA 8.3.10	Take and provide photographic records before and after construction	sum	1		R -
<b>Carried Forward</b>						R -

Brought Forward							R	-
E3	SABS 1200GA	<b>SECTION GA: CONCRETE (SMALL WORKS)</b>						
E3.1	8.2	<b><u>SCHEDULED FORMWORK ITEMS</u></b>						
E3.1.1	8.2.1	Rough formwork (sides of base slab)			m <sup>2</sup>	13	R	-
E3.1.2	8.2.2	Smooth formwork a) To sides of walls and soffit of roof slab			m <sup>2</sup>	260	R	-
E3.2	8.2.3	Narrow widths						
E3.2.1		Sides of roof slab (250mm high)			m	25	R R	- -
E3.2.2		Sides of base slab (450mm high)			m	28	R	-
E3.2.3		To form sides of sump below floor (200mm high)			m	2	R	-
E3.3	8.2.4	Box out Holes / Form Voids						
E3.3.1		a) Box out hole for 500mm x 500mm x 200mm (deep) sump			No.	1	R	-
E3.3.2		c) Box out hole for 350mm x 350mm x 400mm (deep)			No.	3	R	-
E3.4	8.3	<b><u>SCHEDULED REINFORCEMENT ITEMS</u></b>						
E3.4.1	8.3.1	<u>Steel bars</u>						
E3.4.1.1		a) Mild steel reinforcement			kg	1600	R	-
E3.4.1.2		b) High tensile steel reinforcement			kg	16000	R	-
E3.5	8.4	<b><u>SCHEDULED CONCRETE ITEMS</u></b>						
E3.5.1	8.4.2	<u>Blinding Layer in ..... Concrete</u>						
E3.5.1.1		50mm Class 15/19MPa Blinding Layer			m <sup>2</sup>	42	R	-
E3.5.2	8.4.3	<u>Strength Concrete</u>						
E3.5.2.1		a) Grade 35MPa/19mm (Base and Walls)			m <sup>3</sup>	71	R	-
E3.5.2.2		b) Grade 60MPa/19mm			m <sup>3</sup>	9	R	-
E3.5.2.3		c) Grade 15MPa mass concrete (access steps - external)			m <sup>3</sup>	3	R	-
E5.5.3	8.4.4	Unformed surface finishes						
E5.5.3.1		Wood-floated finish to floor and roof slabs			m <sup>2</sup>	73	R	-
E6	8.8	<b><u>MISCELLANEOUS</u></b>						
E6.1		<u>Cast in PVC sleeves:</u>						
E6.1.1		a) 110mm diameter x 400mm long including vermin proof mesh			No.	6	R	-
E6.1.2		b) Cast in 200mm diameter x 280mm long PVC sleeves above valve caps			No.	3	R	-
<b>Carried Forward</b>							R	-

Brought Forward						R	-
E6.1.3		c) 50mm diameter x 180mm long PVC sleeves on removable roof panel	No.	8		R	-
E6.2		Cast in standard Rand Water manhole frame and cover (supplied by Rand Water)	No.	2		R	-
E6.3		Supply and cast in standard Rand Water frame and sump cover (as per DGR No. A8879)	No.	1		R	-
E6.4	SANS 2001-CC1- 5.1.6	Water tightness test of the concrete meter chamber	Sum	1		R	-
E6.5		Rigid polymer modified liquid waterproofing (Apply on both sides of the walls)	m <sup>2</sup>	225		R	-
E6.6		Construction of 15MPa mass concrete platform with access steps inside chamber	m <sup>3</sup>	3		R	-
	8.5	<u>JOINTS</u>					
E6.7		2 Layers off gundle brickgrip DPC 375 Bond Breaker or similar approved all around	m <sup>2</sup>	4		R	-
E6.8	PSGA 8.9	Hydrophilic waterbar "Sika swell 2507H" or similar approved for:	m	20		R	-
E6.9	PSGA 8.10	Apply "Sikadur-combiflex" and "Sikaflex - 11FC" or similar approved joint sealing agent as per manufacturers instructuions	m <sup>2</sup>	10		R	-
E7	SABS 1200HA	<b>SECTION HA: STRUCTURAL STEELWORK (SUNDRY ITEMS)</b>					
	8.3	<b>SCHEDULED ITEMS</b>					
E7.1	8.3.1	<u>Structural Steel</u>					
E7.1.1		a) Supply all materials and install the Steel valve supports as detailed on Rand Water Detail Drg A12210:	No.	3		R	-
E7.2	8.3.3	<u>Ladders complete and installed</u>					
E7.2.1		Supply and Install Standard Rand Water Internal Catladder 4600mm high (as per DRG No. A7406)	No.	2		R	-
E7.2.2		Supply and Install Standard Rand Water Grab Rail (as per DRG No: A9858)	No.	2		R	-
<b>SCHEDULE E SUBTOTAL CARRIED FORWARD TO SUMMARY</b>						R	-