

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	SANS 1200 C	SECTION C: SITE CLEARANCE				
E1.1	8.2.1	Clear and grub	m ²	60		R -
E1.2	8.2.4	Reclear surfaces (only on instructions from the engineer)	m ²	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 ³	20		R -
E2	SABS 1200DA	SECTION DA: EARTHWORKS				
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. 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.	m ³	285		R -
E2.2	8.3.1 (c)	Extra-over for:				R -
E2.2.1		2) hard rock excavation (Provisional)	m ³	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 ³	100		R -
E2.5	8.3.4.2	Extra over for 8.3.1(b)	m ³	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 ³	17		R -
E2.7	8.3.6	Topsoiling from stockpile and planting of grass	m ²	130		R -
E2.8	8.3.7	Planting of grass from commercial sources to match what is on site	m ²	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 -
Carried Forward						R -

Brought Forward						R	-
E3	SABS 1200GA	SECTION GA: CONCRETE (SMALL WORKS)					
E3.1	8.2	<u>SCHEDULED FORMWORK ITEMS</u>					
E3.1.1	8.2.1	Rough formwork (sides of base slab)	m ²	13		R	-
E3.1.2	8.2.2	Smooth formwork a) To sides of walls and soffit of roof slab	m ²	260		R	-
E3.2	8.2.3	Narrow widths				R	-
E3.2.1		Sides of roof slab (250mm high)	m	25		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	<u>SCHEDULED REINFORCEMENT ITEMS</u>					
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	<u>SCHEDULED CONCRETE ITEMS</u>					
E3.5.1	8.4.2	<u>Blinding Layer in Concrete</u>					
E3.5.1.1		50mm Class 15/19MPa Blinding Layer	m ²	42		R	-
E3.5.2	8.4.3	<u>Strength Concrete</u>					
E3.5.2.1		a) Grade 35MPa/19mm (Base and Walls)	m ³	71		R	-
E3.5.2.2		b) Grade 60MPa/19mm	m ³	9		R	-
E3.5.2.3		c) Grade 15MPa mass concrete (access steps - external)	m ³	3		R	-
E5.5.3	8.4.4	Unformed surface finishes					
E5.5.3.1		Wood-floated finish to floor and roof slabs	m ²	73		R	-
E6	8.8	<u>MISCELLANEOUS</u>					
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	-
Carried Forward						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 ²	225		R	-
E6.6		Construction of 15MPa mass concrete platform with access steps inside chamber	m ³	3		R	-
	8.5	<u>JOINTS</u>					
E6.7		2 Layers off gundle brickgrip DPC 375 Bond Breaker or similar approved all around	m ²	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 ²	10		R	-
E7	SABS 1200HA	SECTION HA: STRUCTURAL STEELWORK (SUNDRY ITEMS)					
	8.3	SCHEDULED ITEMS					
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	-
SCHEDULE E SUBTOTAL CARRIED FORWARD TO SUMMARY						R	-