



ETHEKWINI MUNICIPALITY
ELECTRICITY UNIT

SCHEDULE OF CONNECTION FEES AND CHARGES
WITH EFFECT FROM 1 JULY 2010

Part 1

<u>Item no.</u>		<u>Basic Rate</u> <u>(R)</u>	<u>14% VAT</u> <u>(R)</u>	<u>Total Rate</u> <u>(R)</u>
1	A Connection Fee , subject to Section 2(3) of the Electricity Supply Bylaws:			
1.1	For a single phase (230V) 40A subsidised connection supplied via 10mm ² airdac, and where the electricity is to be purchased on a Scale 9 or Scale 11 energy tariff of the Second Schedule: *1(a)			
1.1.1	With a small power distribution unit	263,16	36,84	300,00
1.1.2	Without a small power distribution unit	131,58	18,42	150,00
<i>NOTE 1</i>	The Engineer may for technical reasons decide to use underground cable.			
<i>NOTE 2</i>	There may be additional charges at the rates prescribed in Item 2 hereof for any supply mains extensions made in excess of one pole and one span (10mm ² airdac); but excluding any poles and spans used for road crossings.			
1.2	For connections other than to those referred to in Item 1.1 a charge consisting of a Basic Component, a Supply Mains Component, a Service Mains Component and a Metering Component: *1(b)			
1.2.1	A Basic Component as follows: *(b)(i)			
1.2.1.1	For single phase 230V connections up to 80A	5 701.75	798.25	6 500.00
1.2.1.2	For three phase 400V connections *1(b)(i)(B)iv			
a)	Up to 80A	11 719.30	1 640.70	13 360.00
b)	81A to 100A	16 456,14	2 303.86	18 760.00
c)	101A to 120A	34 868.42	4 881.58	39 750.00
d)	121A to 150A	41 192.82	5 767.18	46 960.00
e)	151A to 200A	87 675.43	12 274.57	99 950.00
f)	201A to 250A	109 175.44	15 284.56	124 460.00
g)	251A to 300A	130 701.75	18 298.25	149 000.00

h)	301A to 400A	197780.71	27 689.30	225 470.00
i)	401A to 450A	243 807.02	34 132.98	277 940.00
j)	451A to 800A	257 877.19	36 102.81	293 980.00
k)	801A to1200A	272 114.03	38 095.97	310 210.00
l)	1201A to 1600A	288 184.22	40 345.78	328 530.00
m)	1601A to 2400A	513 385.96	71 874.04	585 260.00
n)	2401A to 3200A	563 605.26	78 904.74	642 510.00

1.2.1.3	For 11 000V connections, with requested capacity up to 6000kVA:			
a)	A cost per connection of:	98 333.33	13 766.67	112 100,00
	Plus			
b)	A cost per kVA of requested capacity of:	98.25	13.75	112,00
1.2.1.4	For 11 000V and 33 000V connections where the requested capacity exceeds 6 000kVA and 18 000kVA respectively: The proportionate costs as determined by the Engineer at prevailing rates, for: the supply main extension; the required switch-panels at the major substation; switchgear at the customer's premises, and any other costs as deemed appropriate by the Engineer, is charged.			
1.2.1.5	For 132 000V connections where capacity exceeds 18 000kVA : The proportionate costs as determined by the Engineer at prevailing rates, for: 132 000V switch-panels at the 275kV/132kV substation; 132 000V switchgear installed at the customer's premises, and any other costs as deemed appropriate by the Engineer, is charged.			
NOTE 3	Where requested by the Engineer, customers are required to provide brick substations to the Engineer's specification. Mini-substations up to requested capacity of 500kVA may be supplied at the Engineers discretion. The customer shall ensure that all substations shall be positioned with direct public road access. Only in exceptional circumstances shall the engineer approve otherwise. Where the Engineer requires the applicant to provide a brick substation to feed or from which it is intended to feed other customers, a reduction shall be applied to the Basic component of the connection charge as follows:			
a)	Rebate for a brick substation:	27 894.74	3905.26	31 800,00
b)	Rebate for a distributor substation:	55 789.47	7810.53	63 600,00
1.2.1.6	For Connections within a Township where a Developer has paid for the Supply Mains:			
a)	A charge per single phase 230V connection:	1 254,39	175,61	1 430,00
b)	A charge per three phase 80A 400V connection:	2 807.02	392.98	3 200,00
1.2.2	A Metering Component as follows: <i>*(b)(ii) / 1(b)(ii)</i>			
1.2.2.1	For each split single phase electricity dispenser (connected via pilot wire) up to 60A.	894,74	120,35	1020,00
1.2.2.2	For each split single phase electricity dispenser (wireless) up to 60A.	1 394,74	195,26	1 590,00
1.2.2.3	For a small power distribution unit supplied with the electricity dispenser:	491,22	68,78	560,00
1.2.2.4	For each single phase electromechanical meter up to 80A:	578,95	81,05	660,00
1.2.2.5	For each three phase single rate electromechanical meter up to 120A:	1 736,84	243,16	1 980,00

1.2.2.6	For each three phase electronic meter up to 120A:	2 684,21	375,79	3 060,00
1.2.2.7	For each set of energy and demand meters suitable per feed:(bulk tariffs)	7 368,42	1 031,58	8 400,00
1.2.2.8	For Low Voltage current transformers (Per set):	500,00	70,00	570,00

NOTE 4 Where communication is not via the airdac communication pilot wire for pre-payment metering systems, the customer shall provide and install the necessary communication pilot wires.

NOTE 5 Current Transformers are required for supplies greater than 120A

NOTE 6 Where a meter is recovered, a rebate as determined by the Engineer is to be applied to the replacement meter. The rebate, however, shall not exceed the cost of the replacement meter.

NOTE 7 A change in tariff may require a change in meter.

NOTE 8 The type of meter installed shall be at the discretion of the Engineer.

1.2.3 **A Service Mains Component** as follows: ***(b)(iii)**

Any dedicated cables feeding into a customer's premises.

1.2.3.1 For 230V connections up to 80A:

A charge for any dedicated cables or lines from meter point to point on the lateral boundary closest to the pole or consumer distribution unit, charged according to rates in Item 2 of this schedule.

1.2.3.2 For all connections other than 230V connections, any dedicated cables or lines, charged according to rates in Item 2 of this schedule.

1.2.4 **A Supply Mains Component**, for any mains extension, charged according to rates in Item 2 of this schedule unless a R/kVA*km is specified:

1.2.4.1 For all 230V or 400V connections up to 150A (100kVA):

A proportionate share of the cost of LV supply mains extensions, excluding crossovers, in excess of 20 metres per customer if fed by cable, or 1 span per customer if fed by overhead line.

A proportionate share of the cost of MV supply mains extensions in excess of 200 metres per substation for a requested capacity of up to 150A, according to the ratio of requested capacity to the total capacity that the Engineer envisages supplying from that extension.

1.2.4.2 For all 400V connections above 150A:

LV supply mains extensions, excluding crossovers, costed according to the installation that would have been sufficient for the requested capacity.

A proportionate share of the cost of MV supply mains extensions excluding the first 50 metres of cable per substation laid in the road reserve or public property, according to the ratio of requested capacity to the total capacity that the Engineer envisages supplying from that extension.

1.2.4.3	For 11 000V connections, with requested capacity up to 6000kVA: A R/kVA*km cost for MV supply mains based on the requested capacity and the length of the MV cable from the source 132kV/11kV substation, of:	82.46	11.54	94,00
1.2.4.4	For 11 000V and 33 000V connections where requested capacity exceeds 6 000kVA and 18 000kVA respectively: a) A guaranteed contribution towards the proportionate cost of any 132 000V supply mains extension, such guaranteed contribution to be reduced to zero in ten equal amounts for each year in which the capacity is utilised above the minimum agreed level. The contribution is to be recovered from the consumer if, in the Engineer's opinion, the requested capacity is utilised below the agreed level. b) A charge equal to the product of: a Rand/kVA*km rate determined by the Engineer using actual costs, the length of the 11 000V or 33 000V supply mains from the source 132kV/11kV or 132kV/33kV substation, and the requested capacity.			
<i>NOTE 9</i>	The 33kV network is being phased out and supply at 33kV is no longer available to new consumers connecting to the grid.			
1.2.4.5	For 132 000V connections where capacity exceeds 18 000kVA: A charge equal to the product of: a Rand/kVA*km rate as determined by the Engineer using actual costs; the length of 132 000V supply mains from the source 275kV/132kV substation or 132kV switchyard, and the requested capacity.			
<i>NOTE 10</i>	Where the Engineer has agreed to a second connection, and where the premises have not been allocated as an informal settlement, a full connection fee (all four components) will be charged for.			
<i>NOTE 11</i>	Where a connection can be supplied from an existing meter-room that has adequate capacity, only the Metering Component will be charged for.			

Part 2

2 Supply Mains extension and Service Mains installations: *2

2.1 Cable shall be charged for in accordance with the following scale:

a) Cables with a standard operating voltage not exceeding 1000V:

Cross Sectional Area of Conductors SQ. mm	Number of Cores	Conductor	RATE PER METRE				
			Cable (R)	Trenching (R)	Basic Rate (R)	14% VAT (R)	Total Rate (R)
10	2	Copper	36,45	49,51	85.96	12.04	98.00
16	2	Copper	48,73	49,51	98.24	13.76	112.00
25	2	Copper	110.13	49,51	159.64	22.36	182.00
16	4	Copper	82.06	49,51	131.57	18.43	150.00
35	4	Aluminium	61,89	49,51	111.40	15.60	127.00
50	4	Aluminium	81,19	49,51	130.70	18.30	149.00
95	4	Aluminium	125,92	49,51	175.43	24.57	200.00
95	3	Aluminium	144,34	49,51	193.85	27.15	221.00
150	3	Aluminium	180,31	49,51	229.82	32.18	262.00
150	4	aluminium	228,56	49,51	278.07	38.93	317.00
185	1	copper	178,07	N/A	178.07	24.93	203.00
240	3	aluminium	245,22	49,51	294,73	41.27	336.00
240	4	copper	980,31	49,51	1029.82	144.18	1174.00
240	4	aluminium	286,45	49,51	335.96	47.04	383.00

NOTE 12 These costs are also applied when deriving costs of Low Voltage Busbar and insulated conductor.

b) Cables with a standard voltage exceeding 1000V but not exceeding 11 000V:

Cross Sectional Area of Conductors SQ. mm	Number of Cores	Conductor	RATE PER METRE		
			Basic Rate (R)	14% VAT (R)	Total Rate (R)
95	3	aluminium	263,15	36.85	300.00
150	3	aluminium	316,66	44.34	361.00
240	3	aluminium	403,50	56.50	460.00
300	3	copper	1 235,96	173.04	1409.00

c) Pilot/Telephone cables per metre: 63,16 8,84 72,00

d) Other types and sizes of cables or conductor specified by the Engineer as being suitable for the service, which are not included in (a), (b) and (c) above, shall be paid for according to the actual cost of supply and installation.

2.2 Overhead lines shall be charged in accordance with the following scale:

a) Per pole and metre of overhead line:

Voltage Level	Type/Size of Conductor	RATE PER POLE/METRE OF OVERHEAD CONDUCTOR		
		Basic Rate(R)	14% VAT (R)	Total Rate (R)
Pole	7m Pole	1022.80	143.20	1166.00
	9m Pole	1595.61	223.39	1819.00
	10m Pole	1723.68	241.32	1965
Overhead Line LV	10mm CC /m	28.00	4,00	32,00
	16mm CC /m	46.49	6,51	53.00
	25mm ABC /m	18.42	2,58	21,00
	50mm ABC /m	41,22	5,78	47,00
	95mm ABC /m	60,52	8,48	69,00
MV	95mm ABC /m	205.26	28,74	234,00
	AAAC Oak /m	48.24	6,76	55,00
	AAAC Pine /m	28.94	4.06	33.00

b) Other types and sizes of overhead supply specified by the Engineer as being suitable for the service, which is not included in (a) above, shall be paid for at a rate equal to the actual cost of supply and installation.

Part 3

3 Testing of meters: *10

3.1 kWh meters per test:

a) Single phase:	219,30	30,70	250,00
b) Poly phase:	307,02	42,92	350,00
c) Energy plus demand (bulk) meters per test	1 315,79	184,21	1 500,00

4 Disconnections: *11

4.1 For disconnections and reconnections made at the request of the consumer:

a) Where disconnected at the request of the consumer for a suspension of the service:	85,08	11,92	97,00
b) Where disconnected at the request of the consumer to enable him to effect extensions, repairs or maintenance to his house or to allow an electrical contractor to reposition meter box without extension to, or cutting of, the service main:	No Charge	No Charge	No Charge
c) Where overhead service mains are temporarily disconnected and coiled back, on request, for the carrying out of fumigation or similar services:	371,93	52,07	424,00

4.2	For disconnections carried out in consequence of a breach of the Bylaws:			
a)	Where disconnected for non-payment of account, or in consequence of a breach of the Bylaws other than for unauthorised reconnection, illegal bypassing of meter or for tampering; per disconnection:	85,08	11,92	97,00
b)	Where disconnected as a result of unauthorised reconnection of item 4.2 a) above; per disconnection:	199,12	27,88	227,00
c)	Where disconnected as a result of the illegal bypassing of the meter, meter tampering or for tampering with the metering installation; per disconnection for :			
	i) residential connection	657,89	92,11	750,00
	ii) business or commercial connection, where the minimum charge shall be the greater of R3 000, 00 or an amount equivalent to 20% of the average monthly electricity consumption.	2 631,58	368,42	3000,00

NOTE 13 This charge excludes the cost of the meter. If the Engineer requires that the meter be replaced then the additional meter cost, as listed in item 1.2.2 will be charged and there will be no rebate for the tampered or vandalised meter.

4.3	Where the service has been removed either as a result of illegal bypassing of the meter or as a result of tampering, per disconnection:			
a)	For a single phase connection (includes the cost of meter)	1 618,42	226,58	1 845,00
b)	For a single phase connection in a meter room (excludes the cost of the meter)	1267,54	177,46	1445,00
c)	For a three phase 400V 80A connection (includes the cost of meter)	2 921.05	408.95	3 330.00
d)	For a three phase connection in a meter room (excludes the cost of the meter)	1491,22	208.78	1 700,00

NOTE 14 Actual costs of re-instatement of services shall apply for all other situations.

e) In addition to the above, business or commercial connections, shall pay the greater of R3 000, 00 or an amount equivalent to 20% of the average monthly electricity consumption.

NOTE 15 In addition to the appropriate amounts contained in items **4.2, 4.3,** reconnection shall only occur once any arrear consumption charges, estimated charges for unmetered consumption and/or additional deposits owed by the consumer have been paid.

5 Temporary Supplies for periods not exceeding 14 days where supply can be provided from existing supply mains (for fetes, religious gatherings, elections, etc.): ***13**

5.1	For single phase supplies up to 80A (at point of supply) Per metre of cable laid thereafter: Installation consumption per amp per day:	549,00 14,90 2,63	87,00 2,10 0,37	636,00 17,00 3,00
5.2	For three phase supplies per amp of requested supply (at point of supply) Per metre of cable laid charged according to rates in Item 2 of this schedule: Installation consumption per amp per day:	9,64 7,89	1,36 1,11	11,00 9,00
6	Provision of Load Profile Recording Data: *14			
6.1	Where the period of recording is not in excess of seven days:	3 508,77	49,23	4 000,00
6.2	For each subsequent week or portion thereof:	70,18	9,82	80,00
6.3	Where a suitable profile meter is installed:	446,32	62,48	508,80
7	Quality of Supply Recording			
7.1	Single and three phase (Regulation, Interruptions, Dips and Unbalances)	3 508,77	491,23	4 000,00
7.2	Single and three phase (Regulation, Interruptions, Dips, Unbalances and Harmonics)	4 385,97	614,03	5 000,00
8	Transfer between residential connection types: *16			
8.1	Transfer from credit metering to prepaid :	807,00	113,00	920,00
8.2	Transfer from prepaid to credit metering:	508,77	71,23	580,00
NOTE 16	The above transfers are subject to the Engineer's approval and to the payment of deposits where necessary. Refer to Sections 2(3), 8(5), 13(1) and 13A(1) of the Electricity Bylaws. Transfers from existing subsidised connections to non-subsidised connections will be subjected to an additional charge of R5000.			
9	Relocation of meter:			
9.1	Relocation of a prepaid meter (excludes small power distribution unit):	894,74	125,26	1 020,00
9.2	Relocation of a single phase meter of an underground supply to a position on the boundary determined by the Engineer: *17(b)	1 228,90	172,10	1 401,00
9.3	Relocation of a three phase 80A 400V meter of an underground supply to a position on the boundary determined by the Engineer	1 732,50	242,50	1 975,00
9.4	Relocation of a meter within or to a meter room:	192,98	21,02	220,00
NOTE 17	Where the meter position is moved to a position other than to that determined by the Engineer, the cost of the additional cable required shall be charged for according to Item 2.			
10	Revisit Fee , where accommodation or installation is not ready for the installation of council equipment:	526,00	74,00	600,00
11	Damage to electrical infrastructure , Any person who damages electricity infrastructure, especially where such damage is a result of failure to comply with known procedures or where such damage is a result of failure to take reasonable precautions (such as obtaining cable records or digging proving trenches prior to excavating) shall be liable for three (3) times the total repair cost.			

****Indicates the numbering as referenced to the First Schedule in the eThekweni Municipality Electricity Supply Bylaws. The First Schedule is now replaced by this document, Schedule of Connection Fees and Charges.***