



SCHEDULE "8"

CITY OF EKURHULENI

TARIFFS: ROAD RELATED SERVICE PROVISIONS

In terms of section 75A of the Local Government: Municipal Systems Act, Act 32 of 2000 the City of Ekurhuleni at a meeting held on **24 May 2018**, resolved to amend its Tariffs for Road Related Service Provisions with effect from **01 July 2018** as follows:

Table 1: City of Ekurhuleni Roads Related Tariffs:

Description	Unit	Tariff (VAT Incl.) 2017/2018	Tariff (VAT Incl.) 2018/2019
The Provision of Driveway Entrances	Fixed Charge	R1966.00	R2055.00
	Metre	R492.00	R515.00
The Repair / Replacement of Kerbing	Metre	R662.00	R690.00
Tar Surface Repairs	m ²	R600.00	R625.00
The Repair / Provision of block paving	m ²	R371.00	R385.00
The Repair / Provision of brick paving	m ²	R371.00	R385.00

Table 2: City of Ekurhuleni tariffs used for the calculation of Roads and Stormwater External Engineering Services Contributions:

Table 2a: Land Value Cost tariffs used in the calculation of Roads and Stormwater External Engineering Services Contributions				
Area	Escalated Value of Land per hectare	Escalated Value of Land for Class 1 to 3 roads (32 meter wide reserve)	Escalated Value of Land for Class 4 roads (20 meter wide reserve)	Escalated Value of Land for Class 5 roads (16 meter wide reserve)
Northern Region	2,628,000	8,409,600	5,256,000	4,204,800
Southern Region	2,190,000	7,008,000	4,380,000	3,504,000
Eastern Region	1,752,000	5,606,400	3,504,000	2,803,200
Other	876,000	2,803,200	1,752,000	1,401,600

Table 2b: Construction Value Cost tariffs used in the calculation of Roads and Stormwater External Engineering Services Contributions	
Road Class	Escalated Cost per Kilometer
Class 3 roads (4 lanes @ 3.5 meter width lanes): Capacity Component	18,097,894
Class 3 roads: Strength Component	2,353,612
Class 4 (9 meter wide)	7,503,377
Class 5 (7 meter wide)	5,413,407

Table 3: Traffic Engineering Parameters: Trip Lengths parameters used in the calculation of Roads and Stormwater External Engineering Services Contributions.

These parameters are mostly obtained from a manual published by The South African National Roads Agency Limited, which manual is compiled under the auspices of the Roads Coordinating Body (RCB) of the Committee of Transport Officials (COTO). The manual title is the TMH 17: Volume 1: South African Trip Data Manual. This manual is only reviewed from time to time when new studies have suggested amended parameters.

Land Uses and Codes				Trip Lengths						
			Land Use Size Units	Total trip	Half trip	Class 4/5	Non-	Adj Trip		Size Adjustment
		Size	Base	Length	Length	Half trip	Municipal	Length		1-A/(1+sqm Size/B)
	Land Use	Units	Size	L_T (km)	L_T/2 (km)	P₄₅ (km)	P_N (%)	L_D/2 (km)	Factor A	Factor B
100	Industrial									
110	Service Industry	sqm GLA	100	12.00	6.00	1.25	50%	1.75		
120	Heavy Industry/Manufacturing	sqm GLA	100	15.00	7.50	1.25	50%	2.50		
121	Mining	Employees	1	15.00	7.50	1.25	50%	2.50		
130	Industrial Area	sqm GLA	100	15.00	7.50	1.25	50%	2.50		
140	Manufacturing	sqm GLA	100	15.00	7.50	1.25	50%	2.50		

Land Uses and Codes				Trip Lengths						
			Land Use Size Units	Total trip	Half trip	Class 4/5	Non-	Adj Trip		Size Adjustment
		Size	Base	Length	Length	Half trip	Municipal	Length		1-A/(1+sqm Size/B)
	Land Use	Units	Size	L _T (km)	L _T /2 (km)	P ₄₅ (km)	P _N (%)	L _D /2 (km)	Factor A	Factor B
150	Warehousing and distribution	sqm GLA	100	15.00	7.50	1.25	50%	2.50		
151	Mini-Warehousing	sqm GLA	100	10.00	5.00	1.00	40%	2.00		
200	Residential									
210	Single Dwelling Unit	D/Unit	1	8.50	4.25	1.00	40%	1.55		
220	Apartments and Flats	D/Unit	1	5.00	2.50	0.75	30%	1.00		
225	Student Apartments and Flats	D/Unit	1	3.00	1.50	0.60	20%	0.60		
231	Townhouses (Simplexes and Duplexes)	D/Unit	1	7.50	3.75	1.00	40%	1.25		
232	Multi-Level Townhouses	D/Unit	1	7.00	3.50	1.00	40%	1.10		
251	Retirement Village	D/Unit	1	5.50	2.75	1.00	30%	0.92		
254	Old-Age Home	D/Unit	1	5.50	2.75	1.00	30%	0.92		
260	Recreational Homes	D/Unit	1	10.00	5.00	1.50	40%	1.50		
300	Lodging									
310	Hotel (Residential)	Room	1	7.00	3.50	1.00	40%	1.10		
330	Hotel (Resort)	Room	1	8.00	4.00	1.00	50%	1.00		
350	Guest House	Room	1	6.00	3.00	1.00	35%	0.95		
400	Recreational and Sport									
430	Golf Course	Course	1	13.00	6.50	1.00	45%	2.58		
473	Casino	sqm GLA	100	14.00	7.00	1.00	50%	2.50		
480	Amusement Park	ha	1	12.00	6.00	1.00	50%	2.00		
488	Sport Stadium	Seat	1000	12.00	6.00	1.00	50%	2.00		
492	Health and Fitness Centre	sqm GLA	100	5.00	2.50	0.75	30%	1.00		
500	Institutional									
520	Public Primary School	Student	1	4.00	2.00	1.00	25%	0.50		
530	Public Secondary School	Student	1	5.00	2.50	1.00	35%	0.63		
536	Private School	Student	1	5.50	2.75	1.00	40%	0.65		
550	University/College	Student	1	10.00	5.00	1.50	40%	1.50		
560	Places of Public Worship (Weekend)	Seat	1	6.00	3.00	0.80	35%	1.15		
561	Places of Public Worship (Weekday)	Seat	1	6.00	3.00	0.80	35%	1.15		
565	Pre-School (Day Care Centre: 31 pupils and above)	Student	1	3.50	1.75	0.90	35%	0.24		

Land Uses and Codes				Trip Lengths						
			Land Use Size Units	Total trip	Half trip	Class 4/5	Non-	Adj Trip		Size Adjustment
		Size	Base	Length	Length	Half trip	Municipal	Length		1-A/(1+sqm Size/B)
	Land Use	Units	Size	L _T (km)	L _T /2 (km)	P ₄₅ (km)	P _N (%)	L _D /2 (km)	Factor A	Factor B
993	Pre-School (Day Care Centre: 21 to 30 pupils)	Student	1	3.50	1.75	0.90	35%	0.12		
566	Cemetery	Ha	1	8.00	4.00	1.00	40%	1.40		
599	Orphanage	Student	1	5.50	2.75	1.00	30%	0.93		
600	Medical									
611	Public Hospital	Bed	1	8.50	4.25	1.00	40%	1.55		
612	Private Hospital	sqm GLA	100	8.00	4.00	1.00	40%	1.40		
620	Nursing Home	Bed	1	7.50	3.75	1.00	35%	1.44		
630	Medical Clinic	sqm GLA	100	5.00	2.50	1.00	30%	0.75		
700	Office									
710	Offices	sqm GLA	100	9.00	4.50	1.00	35%	1.93		
713	Home offices and undertakings	House	1	7.00	3.50	1.00	35%	1.28		
720	Medical consulting rooms	sqm GLA	100	8.00	4.00	1.00	35%	1.60		
760	Research & Development	sqm GLA	100	9.00	4.50	1.00	35%	1.93		
770	Business Centre (Park)	sqm GLA	100	10.00	5.00	1.00	40%	2.00		
780	Conference Centre	Seat	1	10.00	5.00	1.00	50%	1.50		
800	Retail									
812	Building Materials	sqm GLA	100	8.00	4.00	1.00	40%	1.40		
816	Hardware and Paint Store	sqm GLA	100	7.00	3.50	1.00	40%	1.10		
817	Nursery (Garden Centre)	sqm GLA	100	6.50	3.25	1.00	30%	1.28		
820	Shopping Centre	sqm GLA	100	10.00	5.00	1.00	40%	2.00	0.740	148000
992	Spaza	sqm GLA	100	10.00	5.00	1.00	40%	2.00		
830	Value Retail (Bulk Trade Centre)	sqm GLA	100	10.00	5.00	1.00	50%	1.50		
831	Wholesale Trade	sqm GLA	100	9.00	4.50	1.00	45%	1.48		
841	Motor Dealership	sqm GLA	100	6.50	3.25	0.75	40%	1.20		
843	Vehicle Parts Sales	sqm GLA	100	5.50	2.75	0.55	30%	1.38		
890	Furniture Store	sqm GLA	100	8.00	4.00	1.00	40%	1.40		
900	Services									
931	Quality (Sit-down) Restaurant	sqm GLA	100	6.50	3.25	0.80	30%	1.48		
932	Family (Sit-down) Restaurant	sqm GLA	100	5.50	2.75	0.80	30%	1.13		
991	Tavern	sqm GLA	100	4.50	2.25	0.80	30%	0.78		

Land Uses and Codes				Trip Lengths						
			Land Use Size Units	Total trip	Half trip	Class 4/5	Non-	Adj Trip		Size Adjustment
		Size	Base	Length	Length	Half trip	Municipal	Length		$1-A/(1+sqm\ Size/B)$
	Land Use	Units	Size	L_T (km)	$L_T/2$ (km)	P_{45} (km)	P_N (%)	$L_D/2$ (km)	Factor A	Factor B
933	Fast Food Take-Away	sqm GLA	100	4.00	2.00	0.70	25%	0.80		
934	Fast Food Drive-Through	sqm GLA	100	4.00	2.00	0.70	25%	0.80		
946	Filling Station	Station	1	5.00	2.50	0.50	40%	1.00		
950	Vehicle Fitment Centre	sqm GLA	100	8.00	4.00	1.00	35%	1.60		

Table 4: Traffic Engineering Parameters: Trip Generation Adjustment Factors parameters used in the calculation of Roads and Stormwater External Engineering Services Contributions

Land Uses and Codes				Trip Generation Adjustment Factors		
			Land Use Size Units	Percentage reduction for developments in areas with		
		Size	Base	Mixed-used	Low vehicle	Transit nodes
	Land Use	Units	Size	Development	Ownership	or Corridors
100	Industrial					
110	Service Industry	sqm GLA	100	5%	20%	15%
120	Heavy Industry/Manufacturing	sqm GLA	100	5%	20%	15%
121	Mining	Employees	1	5%	20%	15%
130	Industrial Area	sqm GLA	100	5%	20%	15%
140	Manufacturing	sqm GLA	100	5%	20%	15%
150	Warehousing and distribution	sqm GLA	100	5%	20%	15%
151	Mini-Warehousing	sqm GLA	100	5%	20%	15%
200	Residential					
210	Single Dwelling Unit	D/Unit	1	10%	40%	15%
220	Apartments and Flats	D/Unit	1	15%	30%	15%
225	Student Apartments and Flats	D/Unit	1	25%	50%	15%
231	Townhouses (Simplexes and Duplexes)	D/Unit	1	15%	30%	15%
232	Multi-Level Townhouses	D/Unit	1	15%	30%	15%
251	Retirement Village	D/Unit	1	5%	50%	15%
254	Old-Age Home	D/Unit	1	5%	50%	15%
260	Recreational Homes	D/Unit	1	10%	20%	15%
300	Lodging					
310	Hotel (Residential)	Room	1	20%	20%	15%

Land Uses and Codes				Trip Generation Adjustment Factors		
			Land Use Size Units	Percentage reduction for developments in areas with		
		Size	Base	Mixed-used	Low vehicle	Transit nodes
	Land Use	Units	Size	Development	Ownership	or Corridors
330	Hotel (Resort)	Room	1	20%	20%	15%
350	Guest House	Room	1	20%	30%	15%
400	Recreational and Sport					
430	Golf Course	Course	1	5%	0%	0%
473	Casino	sqm GLA	100	5%	20%	15%
480	Amusement Park	ha	1	5%	30%	15%
488	Sport Stadium	Seat	1000	5%	30%	15%
492	Health and Fitness Centre	sqm GLA	100	15%	20%	15%
500	Institutional					
520	Public Primary School	Student	1	30%	50%	15%
530	Public Secondary School	Student	1	30%	50%	15%
536	Private School	Student	1	30%	50%	15%
550	University/College	Student	1	20%	40%	15%
560	Places of Public Worship (Weekend)	Seat	1	10%	50%	15%
561	Places of Public Worship (Weekday)	Seat	1	10%	50%	15%
565	Pre-School (Day Care Centre: 31 pupils and above)	Student	1	5%	50%	15%
993	Pre-School (Day Care Centre: 21 to 30 pupils)	Student	1	5%	50%	15%
566	Cemetery	Ha	1	0%	30%	15%
599	Orphanage	Student	1	5%	50%	15%
600	Medical					
611	Public Hospital	Bed	1	0%	50%	15%
612	Private Hospital	sqm GLA	100	0%	20%	15%
620	Nursing Home	Bed	1	0%	50%	15%
630	Medical Clinic	sqm GLA	100	0%	50%	15%
700	Office					
710	Offices	sqm GLA	100	20%	20%	15%
713	Home offices and undertakings	House	1	10%	20%	15%
720	Medical consulting rooms	sqm GLA	100	10%	30%	15%
760	Research & Development	sqm GLA	100	30%	20%	15%
770	Business Centre (Park)	sqm GLA	100	15%	20%	15%
780	Conference Centre	Seat	1	10%	20%	10%
800	Retail					
812	Building Materials	sqm GLA	100	10%	30%	15%
816	Hardware and Paint Store	sqm GLA	100	10%	30%	15%

Land Uses and Codes				Trip Generation Adjustment Factors		
			Land Use Size Units	Percentage reduction for developments in areas with		
		Size	Base	Mixed-used	Low vehicle	Transit nodes
	Land Use	Units	Size	Development	Ownership	or Corridors
817	Nursery (Garden Centre)	sqm GLA	100	10%	30%	15%
820	Shopping Centre	sqm GLA	100	10%	30%	15%
992	Spaza	sqm GLA	100	10%	60%	15%
830	Value Retail (Bulk Trade Centre)	sqm GLA	100	10%	30%	15%
831	Wholesale Trade	sqm GLA	100	5%	20%	15%
841	Motor Dealership	sqm GLA	100	5%	20%	15%
843	Vehicle Parts Sales	sqm GLA	100	5%	20%	15%
890	Furniture Store	sqm GLA	100	5%	30%	15%
900	Services					
931	Quality (Sit-down) Restaurant	sqm GLA	100	10%	10%	15%
932	Family (Sit-down) Restaurant	sqm GLA	100	10%	30%	15%
991	Tavern	sqm GLA	100	10%	30%	15%
933	Fast Food Take-Away	sqm GLA	100	10%	40%	15%
934	Fast Food Drive-Through	sqm GLA	100	10%	15%	15%
946	Filling Station	Station	1	0%	0%	0%
950	Vehicle Fitment Centre	sqm GLA	100	0%	0%	0%

Table 5: Traffic Engineering Parameters: Trip Generation Rates parameters used in the calculation of Roads and Stormwater External Engineering Services Contributions

Land Uses and Codes				Daily Trip Generation Rates and Parameters						
			Land Use Size Units	Daily	Peaking	Hourly	Percent	E80	Size Adjustment	
		Size	Base	Trip rate	Factor	Trip rate	Heavy	Per HV		1+A/(1+sqm Size/B)
	Land Use	Units	Size	AADTD	F _{QD}	F _{QD} .AADTD	P _{HD}	E _{HD}	Factor A	Factor B
100	Industrial									
110	Service Industry	sqm GLA	100	6.00	0.150	0.90	10%	1.34		
120	Heavy Industry/Manufacturing	sqm GLA	100	1.25	0.150	0.19	10%	2.35		
121	Mining	Employees	1	0.65	0.150	0.10	10%	2.35		
130	Industrial Area	sqm GLA	100	6.00	0.150	0.90	10%	2.35		
140	Manufacturing	sqm GLA	100	2.00	0.250	0.50	10%	2.35		
150	Warehousing and distribution	sqm GLA	100	3.00	0.140	0.42	10%	2.35		

Land Uses and Codes				Daily Trip Generation Rates and Parameters						
			Land Use Size Units	Daily Trip rate	Peaking Factor	Hourly Trip rate	Percent Heavy	E80 Axles Per HV	Size Adjustment	
	Size	Base							1+A/(1+sqm Size/B)	
	Land Use	Units	Size	AADT _D	F _{QD}	F _{QD} .AADT _D	P _{HD}	E _{HD}	Factor A	Factor B
151	Mini-Warehousing	sqm GLA	100	2.50	0.100	0.25				
200	Residential									
210	Single Dwelling Unit	D/Unit	1	4.00	0.225	0.90				
220	Apartments and Flats	D/Unit	1	2.75	0.225	0.62				
225	Student Apartments and Flats	D/Unit	1	1.25	0.225	0.28				
231	Townhouses (Simplexes and Duplexes)	D/Unit	1	3.75	0.225	0.84				
232	Multi-Level Townhouses	D/Unit	1	3.25	0.225	0.73				
251	Retirement Village	D/Unit	1	3.40	0.110	0.37				
254	Old-Age Home	D/Unit	1	2.50	0.100	0.25				
260	Recreational Homes	D/Unit	1	3.00	0.100	0.30				
300	Lodging									
310	Hotel (Residential)	Room	1	3.25	0.150	0.49				
330	Hotel (Resort)	Room	1	6.00	0.100	0.60				
350	Guest House	Room	1	3.00	0.150	0.45				
400	Recreational and Sport									
430	Golf Course	Course	1	650	0.05	32.50				
473	Casino	sqm GLA	100	50.00	0.050	2.50				
480	Amusement Park	ha	1	250.00	0.050	12.50				
488	Sport Stadium	Seat	1000	100.00	0.050	5.00				
492	Health and Fitness Centre	sqm GLA	100	32.50	0.300	9.75				
500	Institutional									
520	Public Primary School	Student	1	2.00	0.400	0.80				
530	Public Secondary School	Student	1	2.00	0.400	0.80				
536	Private School	Student	1	2.00	0.400	0.80				
550	University/College	Student	1	1.90	0.110	0.21				
560	Places of Public Worship (Weekend)	Seat	1	0.65	0.085	0.06				
561	Places of Public Worship (Weekday)	Seat	1	0.60	0.085	0.05				
565	Pre-School (Day Care Centre: 31 pupils and above)	Student	1	3.00	0.275	0.83				
993	Pre-School (Day Care Centre: 21 to 30 pupils)	Student	1	3.00	0.275	0.83				
566	Cemetery	Ha	1	6.00	0.050	0.30				
599	Orphanage	Student	1	2.50	0.100	0.25				

Land Uses and Codes				Daily Trip Generation Rates and Parameters						
			Land Use Size Units	Daily Trip rate	Peaking Factor	Hourly Trip rate	Percent Heavy	E80 Axles Per HV	Size Adjustment	
		Size	Base						Factor A	1+A/(1+sqm Size/B)
	Land Use	Units	Size	AADT _D	F _{QD}	F _{QD} .AADT _D	P _{HD}	E _{HD}	Factor A	Factor B
600	Medical									
611	Public Hospital	Bed	1	7.00	0.200	1.40				
612	Private Hospital	sqm GLA	100	16.50	0.110	1.82				
620	Nursing Home	Bed	1	2.25	0.110	0.25				
630	Medical Clinic	sqm GLA	100	40.00	0.150	6.00				
700	Office									
710	Offices	sqm GLA	100	8.50	0.250	2.13	5%	1.21		
713	Home offices and undertakings	House	1	25.00	0.250	6.25				
720	Medical consulting rooms	sqm GLA	100	55.00	0.135	7.43				
760	Research & Development	sqm GLA	100	8.50	0.153	1.30	3%	0.91		
770	Business Centre (Park)	sqm GLA	100	10.00	0.150	1.50				
780	Conference Centre	Seat	1	1.00	0.300	0.30				
800	Retail									
812	Building Materials	sqm GLA	100	45.00	0.090	4.05	5%	1.32		
816	Hardware and Paint Store	sqm GLA	100	60.00	0.085	5.10	3%	1.32		
817	Nursery (Garden Centre)	sqm GLA	100	45.00	0.100	4.50				
820	Shopping Centre	sqm GLA	100	35.00	0.085	2.98	2%	1.32	6.000	3500
992	Spaza	sqm GLA	100	35.00	0.085	2.98				
830	Value Retail (Bulk Trade Centre)	sqm GLA	100	7.50	0.145	1.09	2%	1.32		
831	Wholesale Trade	sqm GLA	100	7.20	0.167	1.20	2%	1.32		
841	Motor Dealership	sqm GLA	100	30.00	0.100	3.00				
843	Vehicle Parts Sales	sqm GLA	100	60.00	0.103	6.18				
890	Furniture Store	sqm GLA	100	5.40	0.250	1.35	2%	1.32		
900	Services									
931	Quality (Sit-down) Restaurant	sqm GLA	100	90.00	0.100	9.00				
932	Family (Sit-down) Restaurant	sqm GLA	100	140.00	0.100	14.00				
991	Tavern	sqm GLA	100	100.00	0.100	10.00				
933	Fast Food Take-Away	sqm GLA	100	200.00	0.100	20.00				
934	Fast Food Drive-Through	sqm GLA	100	350.00	0.100	35.00				
946	Filling Station	Station	1	500.00	0.120	60.00	2%	1.32		
950	Vehicle Fitment Centre	sqm GLA	100	22.00	0.103	2.27				

Published Local Authority Notice Number Amended - Council Resolution: Published	PT 101-2002(C) CM 26/06/2002
Local Authority Notice Number Amended - Council Resolution: Published	A-PT (6-2003) CM 29/05/2003
Local Authority Notice Number Amended - Council Resolution: Published	A-PT (8-2004) CM 29/04/2004
Local Authority Notice Number Amended - Council Resolution: Published	A-PT (9-2005) CM 28/04/2005 Gauteng Provincial Gazette 29 June 2005, Mpumalanga Provincial Gazette 24 June 2005
Local Authority Notice Number Amended - Council Resolution: Published	A-IS (02-2007) CM 31/05/2007 Gauteng Provincial Gazette No 217 dd 15 August 2007
Local Authority Notice Number Amended - Council Resolution: Published	2038 A-F (24-2008) CM 29/05/2008 No 201 dd 6 August 2008
Local Authority Notice Number Amended - Council Resolution: Published	1759 A-F(23-2009) CM 28/05/2009 Gauteng Provincial Gazette Extra-Ordinary No. 144 dd 01 July 2009
Local Authority Notice Number Amended - Council Resolution: Published	1014 A-F (27-2010) CM 27/05/2010 Extra-Ordinary 123 dd 30 June 2010
Local Authority Notice Number Amended-Council Resolution Published	891 A-F (27-2011) CM 20/04/2011 Extra-Ordinary 107 dd 01 June 2011
Local Authority Notice Number Amended-Council Resolution Published	688 A-F (20a-2012) CM 31/05/2012 Extra-Ordinary 159 dd 13 June 2012
Local Authority Notice Number	766
Amended-Council Resolution Published	A-F (30-2013) CM 30/05/2013 Extra-Ordinary 152 dd 10 June 2013
Local Authority Notice Number	731
Council Resolution Gauteng Provincial Gazette Local Authority Notice Number	A-F (17-2014) CM 29/05/2014 Extra-Ordinary 134 dd 06 June 2014 713
Council Resolution Gauteng Provincial Gazette Local Authority Notice Number	A-F (13-2015) CM 28/05/2015 Extra-Ordinary 229 dd 12 June 2015 1009
Council Resolution Gauteng Provincial Gazette Local Authority Notice Number	A-F (32-2016) CM 28/04/2016 Ordinary Gazette 215 dd 15 June 2016 915
Council Resolution Gauteng Provincial Gazette Local Authority Notice Number	A-F (17-2017) CM 25/05/2017 Ordinary Gazette 147 dd 21 June 2017 863
Council Resolution Gauteng Provincial Gazette Local Authority Notice Number	A-F (23-2018) CM 24/05/2018 Ordinary Gazette 198 147 dd 18 July 2018 1089