Table 2.6.16 Characteristics and Context of Planning Zone 12

Profile

Location

- Planning Zone 12 is located in the north of the study area. It is bounded by Ring Road in the south.

- Villages and small towns form existing built-up areas.
 Agricultural lands dominate this zone, and it is encroached by villages and small towns.

Indicators of Existing Conditions								
Socio-economy					Indicators			
Statement	Unit		Plann. Zone	Study Area	Pop. Density*1			
Population in 2006	1000		1,825	16,101	Informal			
Growth Rate in 1996-2006*2	% per ye	ar	2.2	2.22	(area)*9 Growth Rate*2			
Population Density*1	person per		163	257				
No. of Household	1000 housel		414	4, 007	Informal			
Household Size	person per	НН	4.4	4.0	(pop)*8 Income*			
Household Income*3	LE/HH/mc	onth	696	1,072				
Land Use	,							
Category	Zone (ha	a/%)	Study A	rea (ha/%)	Cemetery*7 Urbanized*			
Built-up area	8,800/	16.2	2 52,10	00/ 11.9				
Agriculture	37,700/	69.4	80,50	00/ 18.4	Industrial Area*6 Open Space*5			
Industry	700/	1.3	3 11,80	00/ 2.7	Note 1: Not available data is rated at 0.			
Bare land	600/	1.1	5,10	00/ 1.2	Note 2:Planning Zone — Study Area			
Airport	0/	0.0	5,90	00/ 1.4	Water supply			
Desert	4,400/	8.1	272,60	00/ 62.5	100			
Water	800/	1.5	3,40	0.8	Transport 75 Wastewater			
Open space	1,300/	2.4		00/ 1.2	50			
Total	54,300/	100.0	436,50	00/ 100	Pave road Electricity			
Characteristics of Urban A								
(Note: Urban area includes la					Solid waste Gass			
Category	Unit	Plan		Study Area				
Urban area	ha		11,200	80,000	T elecomm.			
Share of urban area*4	%		72	23	People's Perception on Public Facility			
Open space per capita*5	m ² /capita		6.6	3.2	Education			
Industrial to urban area*6	%		6	15	100			
Cemetery to urban area*7	%		0	7	Park and open Commercial			
Informal Area					space			
Category	Unit	Plann. Zone		Study Area				
Population	1000		0	2,097				
No. of Household	1000 housel	hold	0	524	Religious Medical			
Land Area	ha		0	4,100				
Share to total population*8	%		0	13	Social welfare			
Share to urban area*9	%		0	5	Note: Planning Zone - Study Area -			

Range of	Indicators								
Rank	*1	*2	*3	*4	*5	*6	*7	*8	*9
1	>400	>5	<800	>80	<1	>30	>30	>30	>30
2	<400	<5	<1000	<80	<2	<30	<30	<30	<30
3	<300	<3	<1200	<60	<4	<20	<20	<20	<20
4	<200	<2	<1500	<40	<6	<10	<10	<10	<10
5	<100	<1	>1500	<20	>6	<5	<5	<5	<5

1) Land use:

- Scarce agricultural lands need to be protected from future urbanization. Prosperous urban management is highly required, while efforts for living environmental improvement shall be acceptable in this zone.

2) Transportation

- Interregional roads and railway run across in the north and south direction. New transportation shall be provided, if any, with special attention not to encourage the urbanization in this zone.
- 3) Informal area
- Informal area exists in the north and south direction, and need to be upgraded for betterment of living environment.
- 4) People's perception
- Infrastructure: People recognized lower satisfaction for water supply, wastewater, and solid waste management than the average rate in the study area.
- Public facility: People recognized same or higher satisfaction for every kind of public facilities other than religious than the average rate in the study area.

Name of Hay and	Name of Shiakha, Madinah and Qurah	Name of Hay and	Name of Shiakha, Madinah and Qurah	
Local Units	(ID No.)	Local Units	(ID No.)	
Cairo Governorate		Shebin	al-Qashshîsh (368)	
Al-Salam	al-Salâm al-Sharqiyya (272)	al-Qanater-Marka	al-Qalzam (369)	
	al-Salâm al-Gharbiyya (273)	z	al-Kûm al-Ahmar (370)	
	Al-assara al-gadida (275)		al-Marîg (371)	
Qaliobeya Governo	orate		al-Gharîrî (372)	
Khanka - markaz	al-Khânka (326)		Tal Banî Tamîm (373)	
	Abû Za'bal (327)		Tahânûb (374)	
	al-Qalag (328)		Tuhûriyya (375)	
	al-Manâyil (329)		'Arab al-Sha'âra (376)	
	al-Maniyya (330)		'Arab al-Sawâlha (377)	
	Siryâgûs (331)		Kafr al-Dîr (378)	
	Sinduwa (332)		Kafr al-Shurafâ al-Qiblî (379)	
	'Arab al-'Abâyda (333)		Kafr al-Shûbak (380)	
	'Arab al-'Ulayqât (334)		Kafr al-Shîkha Sâlima (381)	
	al-Gabal al-Asfar (335)		Kafr al-Sahbî (382)	
	23 Yûlyû (336)		Kafr Sa'd Bihîrî (383)	
	Kafr Hamza (337)		Kafr Sanduwa (384)	
	Kafr Tbyân (338)	_	Kafr Shibîn (385)	
	Mazra'at al-Gabal al-Asfar (339)		Kafr Tahâ (386)	
Al-Qanater	al-Qanâtir al-Khayryya (340)	_	Kafr Tuhûriyya (387)	
al-Khayreya -	Abû al-Ghayt (341)		Kûm al-Samn (388)	
markaz	Aghûr al-Sughrâ (342)		Kafr Sulaymân al-War (389)	
	al-Akhmiyîn (343)		Minshât al-Kirâm (390)	
	al-Barâd'â wa Khilwatha (344)		Minyat Shibîn (391)	
	al-Kharqâniyya (345)		Nazlat 'Arab Guhayna (392)	
	al-'Amriyâ (346)		Nûb Tahâ (393)	
	al-Munîra (347)		Nawâ (394)	
	Bâsûs (348)	Toukh	Hasswa (400)	
	Bahâda (349)	Qalioub Markaz	Qalioub (401)	
	Sandabîs (350)	Quiloud Markaz	Nây (402)	
	Shubrâ Shihâb (351)		al-Islâh al-Zirâ'î (403)	
	Shalqan (352)		al-Sadd (404)	
	Qarnafil (353)	_	al-Sabâh (405)	
	Kafr al-Hârith (354)		Balgas (406)	
	Kafr al-Shurafâ al-Gharbî (355)	_	Halâba wa Kafr al-Sabîl (407)	
	Kafr Silîm (356)		Zâwiyat al-Naggâr (408)	
Al-Oanater	Kafr 'Alîm (357)	Qalioub Markaz	Sandyûn (409)	
al-Khayreya -	Kan Ami (337)	Quiloud Markaz	Sandyun (409)	
markaz				
Shebin	Shibîn al-Qanâtir (358)	7	Sanâfîr (410)	
al-Qanater-Marka	al-Ahrâz (359)	7	Tanân (411)	
Z	al-Ga'âfra (360)	7	Qulamâ (412)	
	al-Hazâniyy (361)	7	Kafr Abû Gum'a (413)	
	al-Hassâyna (362)	-	Kafr Ramâda wa al-Turgum^n (414)	
	al-Hasâfa (363)	-	Kûm Ashfîn (415)	
	al-Zahwiyyîn (364)	1	Mintâ (416)	
	al-Salmâniyya (365)	-	Mît Halfâ (417)	
	al-Shûbak (366)	-	Mît Namâ (418)	
	al-'Atâra (367)	\dashv	17110 1 (0110)	

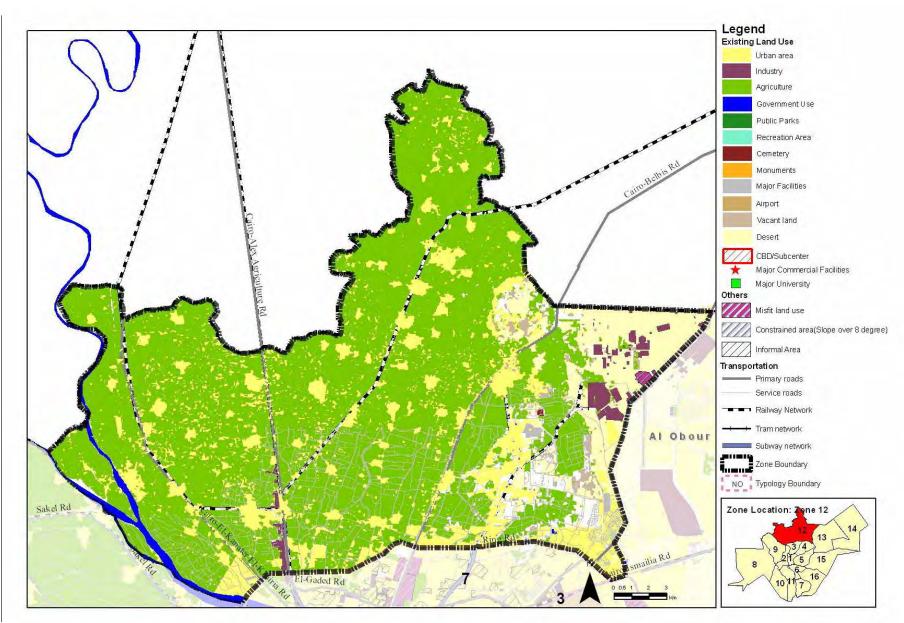


Table 2.6.17 Characteristics and Context of Planning Zone 13

Profile

Location

- Planning Zone 13 is located in the northeastern part of the study area. It is bounded by Cairo-El Sewez road in the south and Bilbeis road in the west.

- Military lands dominate this planning zone. Those are used for military activities, and new developments progress for residential uses.
- Al-Obour NUC covers the northeastern part of this zone. Industrial and housing development progresses in its entity.

	70.0				
Indicators of Existing Con	nditions				7.7
Socio-economy				T	Indicators
Statement	Unit		Plann. Zone 173	Study Are	Pon Density*1
Population in 2006	1000			16,10	
Growth Rate in 1996-2006*2	% per ye		2.7	2.2	Growth Rate*2
Population Density*1	person per		79	25	
No. of Household	1000 housel	hold	n.a.	4, 00	
Household Size	person per		n.a.	4.	0 (pop)*8 Income*3
Household Income*3	LE/HH/mo	onth	n.a.	1,07	
Land Use					
Category	Zone (ha	a/%)	Study A	Area (ha/%	Cemetery* Urbanized*
Built-up area	1,000/	2.2	52,1	00/ 11.	9
Agriculture	1,100/	2.4	80,5	00/ 18.	4 Industrial Area*6 Open Space*5
Industry	1,000/	2.2	2 11,8	00/ 2.	7 Note 1: Not available data is rated at 0.
Bare land	200/	0.4	5,1	00/ 1.	2 Note 2:Planning Zone ━ Study Area →
Airport	0/	0.0	5,9	00/ 1.	4
Desert	41,800/	92.5	272,6	00/ 62.	5
Water	0/	0.0	3,4	00/ 0.	
Open space	100/	0.2	2 5,1	00/ 1.	
Total	45,200/	100.0	436,5	00/ 10	this planning zone.)
Characteristics of Urban A	Irea				
(Note: Urban area includes la	ands other tha			t and water.	:)
Category	Unit	Planı	n. Zone	Study Are	
Urban area	ha		2,200	80,00	
Share of urban area*4	%		5	2	1
Open space per capita*5	m ² /capita		5.8	3.	2
Industrial to urban area **	%		50	1	5
Cemetery to urban area*7	%		0		7
Informal Area					(People's perception is not available in
Category	Unit		Plann. Zone	Study Are	a this planning zone.)
Population	1000		0	2,09	7
No. of Household	1000 housel	hold	0	52	4
Land Area	ha		0	4,10	$\overline{0}$
Share to total population*8	%		0	1	$\overline{3}$
Share to urban area*9	%		0		5 Note: Planning Zone - Study Area -

Range of	Indicators								
Rank	*1	*2	*3	*4	*5	*6	*7	*8	*9
1	>400	>5	<800	>80	<1	>30	>30	>30	>30
2	<400	<5	<1000	<80	<2	<30	<30	<30	<30
3	<300	<3	<1200	<60	<4	<20	<20	<20	<20
4	<200	<2	<1500	<40	<6	<10	<10	<10	<10
5	<100	<1	>1500	<20	>6	<5	<5	<5	<5

1) Land use:

- Urban development in military lands and Al-Obour is on-going. In accordance with the master plan, well-planned development will be required for the efficient and compact city.

2) Transportation

- Transportation relies on sole trunk road of Cairo-Ismailia road. Mass public transportation needs to be provided for vitalizing Al-Obour NUC.

3) Informal area

- Informal area does not exists in this zone.

THE STRATEGIC URBAN DEVELOPMENT MASTER PLAN STUDY FOR A SUSTAINABLE DEVELOPMENT OF THE GREATER CAIRO REGION IN THE ARAB REPUBLIC OF EGYPT Final Report (Volume 2)

Administrative	Administrative Unit within Planning Zone										
Name of Hay and	Name of Shiakha, Madinah and Qurah	Name of Hay and	Name of Shiakha, Madinah and Qurah								
Local Units	(ID No.)	Local Units	(ID No.)								
Cairo Governorate	;	Qaliobeya Govern	orate								
Al-Salam	El nahda (276)	Obour City	el obour (420)								

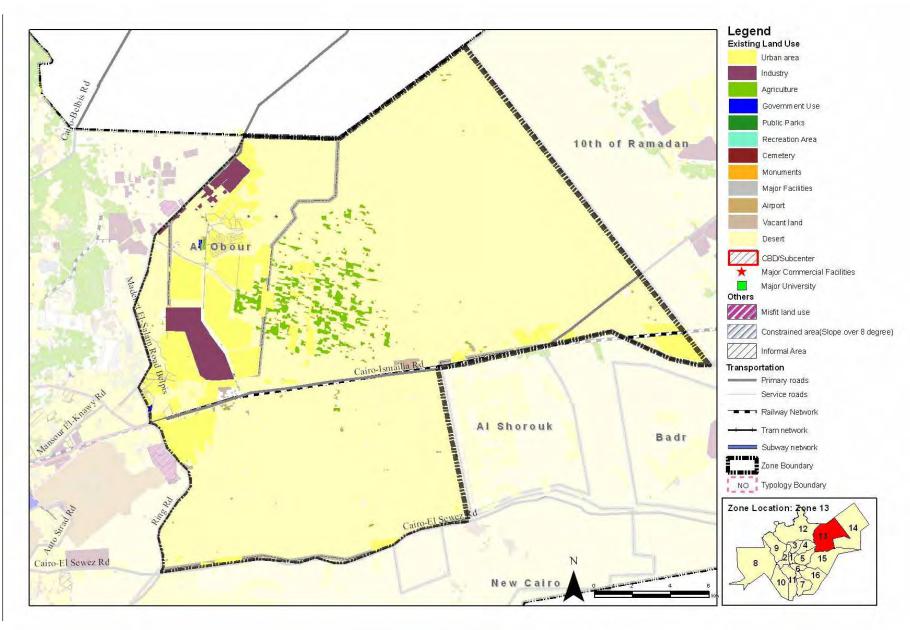


Table 2.6.18 Characteristics and Context of Planning Zone 14

Profile

Location

- Planning Zone 14 is located in the eastern part of the study area. It is bounded by Cairo-El Sewez road in the south

- Three NUCs of 10th of Ramadn, Al Shorouk, and Badr dominate this zone.
- 10th of Ramadan NUC provided residential and industrial areas, where international companies are allocated. Al-Shorouk and Badr NUCs are growing in the latest decade of 1996-2006, and need to be encouraged for their urbanization.
- Regional ring road will pass along this zone.
- New facilities and services are proposed in 10 of Ramadan as regional level

45.4.6	v				
Indicators of Existing Con	ditions				7.7
Socio-economy			DI 7	G. 1 4	Indicators
Statement	Unit		Plann. Zone	Study Area	Pop. Density*1
Population in 2006	1000		141	16,101	Informa Growth Rate*2
Growth Rate in 1996-2006*2	% per ye		6.4	2.22	(area)*
Population Density*1	person per		28	257	
No. of Household	1000 housel	nold	n.a.	4, 007	Informal Income*
Household Size	person per		n.a.	4.0	(pop)*8
Household Income*3	LE/HH/mo	nth	n.a.	1,072	
Land Use					
Category	Zone (ha	a/%)	Study A	Area (ha/%)	Cemetery*7
Built-up area	1,500/	2.	4 52,10	00/ 11.9	
Agriculture	1,600/	2.	6 80,50	00/ 18.4	Industrial Area*6 Open Space*5
Industry	2,300/	3.	7 11,80	00/ 2.7	Note 1: Not available data is rated at 0.
Bare land	400/	0.	6 5,10	00/ 1.2	Note 2:Planning Zone - ■ Study Area →
Airport	600/	1.	0 5,90	00/ 1.4	
Desert	55,500/	88.	8 272,60	00/ 62.5	1
Water	300/	0.	5 3,40	0.8	
Open space	300/	0.	5 5,10	00/ 1.2	(People's perception is not available in
Total	62,500/	100.	0 436,50	00/ 100	this planning zone.)
Characteristics of Urban A	· ·				
(Note: Urban area includes la		n agric	ulture, deser	t and water.)	
Category	Unit			Study Area	
Urban area	ha		5,100	80,000	
Share of urban area*4	%		8	23	People's Perception on Public Facility (n.a.)
Open space per capita*5	m ² /capita		21.3	3.2	
Industrial to urban area*6	%		45	15	1
Cemetery to urban area*7	%		0	7	
Informal Area			<u>'</u>		(People's perception is not available in
Category	Unit		Plann. Zone	Study Area	this planning zone.)
Population	1000		0	2,097	
No. of Household	1000 housel	nold	0	524	
Land Area	ha		0	4,100	
Share to total population*8	%		0	13	
Share to urban area*9	%		0	5	Note: Planning Zone - Study Area -

Range of	Indicators								
Rank	*1	*2	*3	*4	*5	*6	*7	*8	*9
1	>400	>5	<800	>80	<1	>30	>30	>30	>30
2	<400	<5	<1000	<80	<2	<30	<30	<30	<30
3	<300	<3	<1200	<60	<4	<20	<20	<20	<20
4	<200	<2	<1500	<40	<6	<10	<10	<10	<10
5	<100	<1	>1500	<20	>6	<5	<5	<5	<5

1) Land use:

- 10th of Ramadan NUC grew up as a satellite city with the industrial and residential areas. It will be a potential site for relocation of existing factories from main agglomeration in mutual collaboration with neighboring

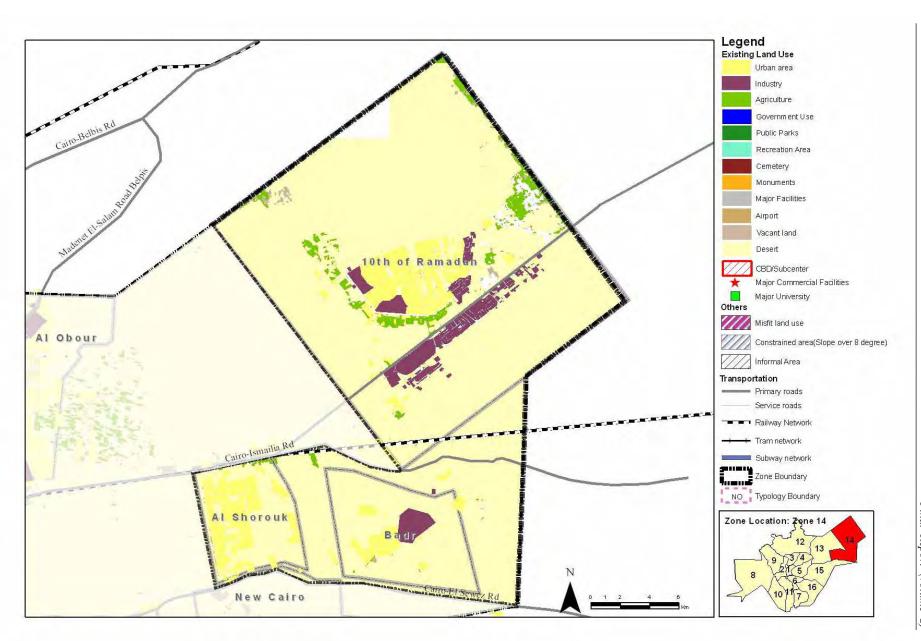
2) Transportation

- Mass public transportation relies on a railway. Trunk roads of Cairo-Ismailia road run across this zone. Mass public transportation will be require to vitalize the NUCs.

3) Informal area

- Informal area does not exist.

Administrative	Unit within Planning Zone				
Name of Hay and	Name of Shiakha, Madinah and Qurah	Name of Hay and	Name of Shiakha, Madinah and Qurah		
Local Units	(ID No.)	Local Units	(ID No.)		
Cairo Governo	rate	Badr City Badr (322)			
Al-Shorouq	al-shorouq (315)		Badr (323)		
City	al-shorouq (316)		Badr (324)		
	al-shorouq (317)		Badr (325)		
Badr City	Badr (318)	Sharkia Gover	norate		
	Badr (319)	10th of	10th of Ramadan- districts from 1 to		
		Ramadan city	34 (421)		
	Badr (320)		10th of Ramadan-districts from 35 to		
			67 (422)		
	Badr (321)				



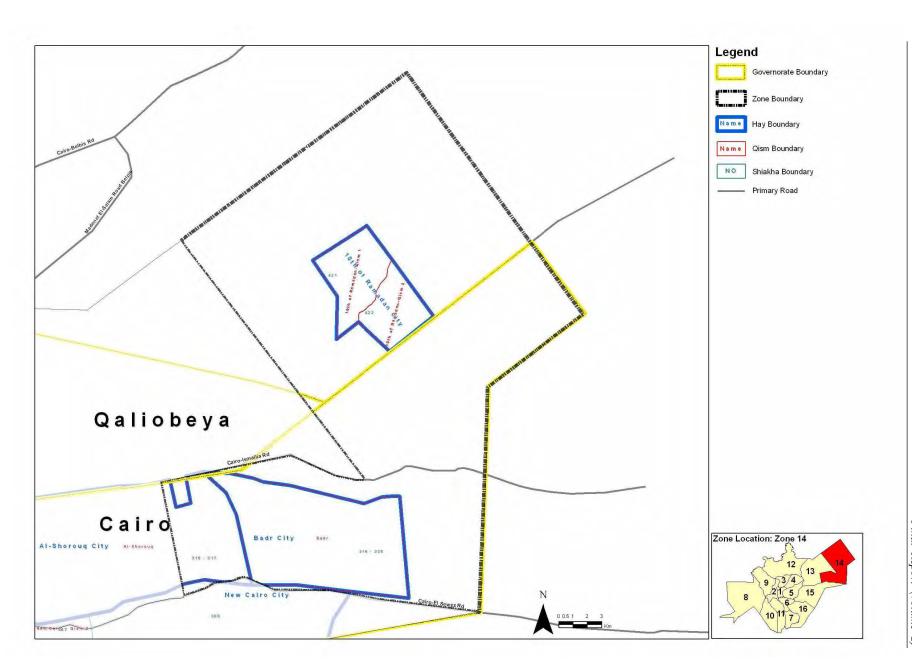


Table 2.6.19 Characteristics and Context of Planning Zone 15

Profile

Location

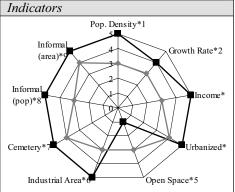
- Planning Zone 15 is located in the east of main agglomeration. It is bounded by Cairo-El Sewez road in the north, El Quatamia road in the south, and Ring Road in the west.

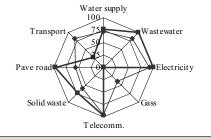
Historical context and Typology

- New Cairo NUC dominates this planning zone. Its urbanization progresses in the western part, where new development of housings, police academy, and housings are on-going.

Indicators of Existing Conditions								
Socio-economy								
Statement	Unit			ann. Zone	- ;	Study Area		
Population in 2006	1000		142			16,101		
Growth Rate in 1996-2006*2	% per ye	ar		4.2		2.22		
Population Density*1	person per			75		257		
No. of Household	1000 house	hold		32		4, 007		
Household Size	person per	НН		4.4		4.0		
Household Income*3	LE/HH/mo	onth		1,511		1,072		
Land Use					•			
Category	Zone (h	a/%)		Study	Are	a (ha/%)		
Built-up area	1,500/	4	.1	52,1	00/	11.9		
Agriculture	100/	0	.3	80,5	00/	18.4		
Industry	0/	0	.0	11,8	00/	2.7		
Bare land	300/	0	.8	5,1	00/	1.2		
Airport	0/	0	.0	5,900		1.4		
Desert	34,700/	94.8		272,6	00/	62.5		
Water	0/	0	.0	3,40		0.8		
Open space	0/	0	.0 5,10		00/	1.2		
Total	36,600/	100	.0 436,50		00/	100		
Characteristics of Urban A (Note: Urban area includes la		n agri	cult	ure dese	rt a	nd water)		
Category	Unit			Zone		Study Area		
Urban area	ha			1,900		80,000		
Share of urban area*4	%			5		23		
Open space per capita	m ² /capita			0		3.2		
Industrial to urban area*6	%			0		15		
Cemetery to urban area*7	%			0		7		
Informal Area				<u> </u>				
Category	Unit		Plann. Zone		:	Study Area		
Population	1000		0		Ι	2,097		
No. of Household	1000 house	hold	0			524		
Land Area	ha		0			4,100		
Share to total population*8	%		0			13		

%





People's Perception on Public Facility



Share to urban area

0

Range of	Indicators								
Rank	*1	*2	*3	*4	*5	*6	*7	*8	*9
1	>400	>5	<800	>80	<1	>30	>30	>30	>30
2	<400	<5	<1000	<80	<2	<30	<30	<30	<30
3	<300	<3	<1200	<60	<4	<20	<20	<20	<20
4	<200	<2	<1500	<40	<6	<10	<10	<10	<10
5	<100	<1	>1500	<20	>6	<5	<5	<5	<5

1) Land use:

- New governmental area will be developed in the west of this planning zone. Well-planned urbanizaiotn will be required to vitalize New Cairo NUC.

2) Transportation

- Interregional trunk roads bound this zone. Mass public transportation system will be required to vitalize New Cairo NUC.
- 3) Informal area
- Informal area does not exist.
- 4) People's perception
- Infrastructure: People recognized higher satisfaction for every kind of infrastructure other than gas than the average rate in the study area.
- Public facility: People recognized lower satisfaction for commercial and medical than the average rate in the study area.

5)Conclusion

- Vacant land between the east boundary of this zone and the alignment of Regional ring road has to be protected and studied for best use.

Administrative	Administrative Unit within Planning Zone										
Name of Hay and	Name of Shiakha, Madinah and Qurah	Name of Hay and	Name of Shiakha, Madinah and Qurah								
Local Units	(ID No.)	Local Units	(ID No.)								
Cairo Governorate		New Cairo City	academiat al-shorta w al-mirag (309)								
New Cairo City	Yasmin-Banafseg-al-mostathmren		al-ansheta (310)								
	al-shamalia (303)										
	al-narges-al-mostathmren al-ganoubia (304)		al-qatamia (311)								
	al-gameaa al-americia w al-rowda (305)		al-andalus (312)								
	al-tagamoa al-khames (306)		al-manteqa al-senaeya (313)								
	al-rehab - al-mostathmeron (307)		Iskan Mubarak (314)								
	al-fardos w al-kawthar (308)										

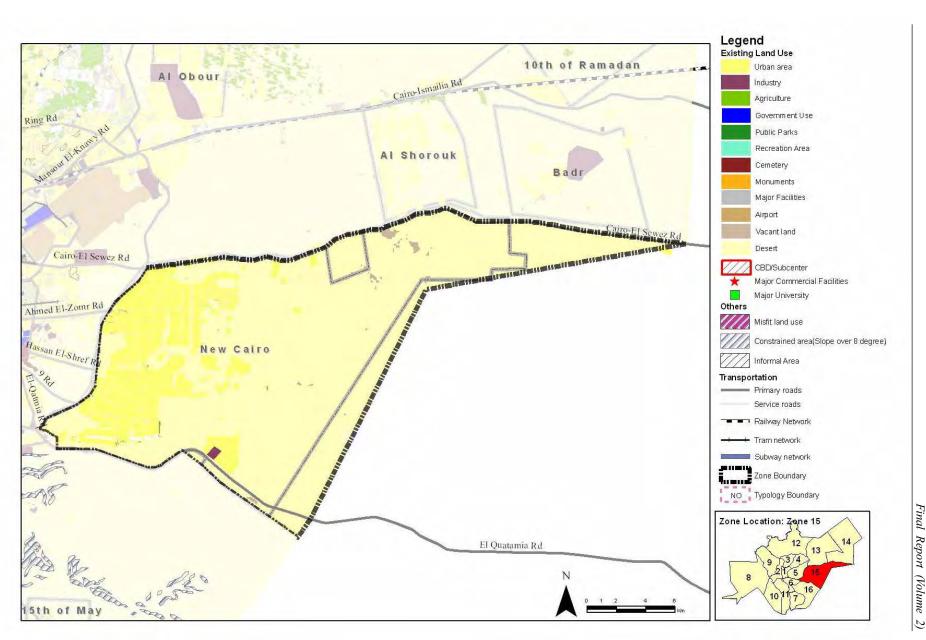


Table 2.6.20 Characteristics and Context of Planning Zone 16

Profile

Location

- Planning Zone 16 is located in the southeastern edge of the study area. It is bounded by Ring Road in the north and Autostrad road in the west.

- Urbanization is progressing along the Ring Road and the El Quatamia road along the northern zone boundary. Large commercial facilities are developed in the limited existing built up area.
- Deserts dominate the most of lands in this zone.

Indicators of Existing Conditions													
Socio-economy		Indicators											
Statement	Unit		Plann. Zone		Study Area		Pop. Density*1						
Population in 2006	1000		17		16,101		Informa						
Growth Rate in 1996-2006*2	% per year		4.2		2.22		(area)*9 Growth Rate*2						
Population Density*1	person per		n.a.	n.a.									
No. of Household	1000 househ		n.a.	.a.		7	Informal						
Household Size	person per	НН	n.a.		4.0		(pop)*8 Income*						
Household Income*3	LE/HH/mo	nth			1,072								
Land Use													
Category	Zone (ha/%) St			udy Area (ha/%)		1/%)	Cemetery*7						
Built-up area	0/	0.	.0 5	52,10		11.9							
Agriculture	0/	0.	.0 8	80,50		18.4	Industrial Area*6 Open Space*5						
Industry	0/	0.	.0 1	11,80		2.7	Note 1: Not available data is rated at 0.						
Bare land	0/	0.	.0	5,10		1.2	Note 2:Planning Zone — Study Area						
Airport	0/	0.	.0	5,90		1.4							
Desert	27,100/	100.	.0 27	272,60		62.5							
Water	0/	0.	.0	3,40		8.0							
Open space	0/	0.	.0	5,10		1.2	(People's perception is not available in						
Total	27,100/	100.	.0 43	436,500/		100	this planning zone.)						
Characteristics of Urban A													
(Note: Urban area includes la													
Category	Unit	Plann. Zone			Study Area								
Urban area	ha	0			80,000								
Share of urban area*4	%	0		-	23		People's Perception on Public Facility (n.a.)						
Open space per capita*5	m ² /capita	0		-		3.2							
Industrial to urban area*6	%	0			15								
Cemetery to urban area*7	%	0		0	7								
Informal Area		(People's perception is not available in											
Category	Cirit		Plann. Z	Plann. Zone		Area	this planning zone.)						
Population	1000		0		,097								
No. of Household		1000 household		0		524							
Land Area	ha		0		4,100								
Share to total population*8	%		0		13		_						
Share to urban area*9	%		0		5		Note: Planning Zone - Study Area -						

Range of Indicators													
Rank	*1	*2	*3	*4	*5	*6	*7	*8	*9				
1	>400	>5	<800	>80	<1	>30	>30	>30	>30				
2	<400	<5	<1000	<80	<2	<30	<30	<30	<30				
3	<300	<3	<1200	<60	<4	<20	<20	<20	<20				
4	<200	<2	<1500	<40	<6	<10	<10	<10	<10				
5	<100	<1	>1500	<20	>6	<5	<5	<5	<5				

- 1) Land use:
- Future urbanization needs to prohibited for securing the efficient and compact city. It will be a mandate for better investment of urban development.
- 2) Transportation
- Ring Road runs along the northern boundary.
- 3) Informal area
- Informal area does not exist.

Administrative Unit within Planning Zone

CairoGovernorate (No administrative unit exists in this planning zone.)

