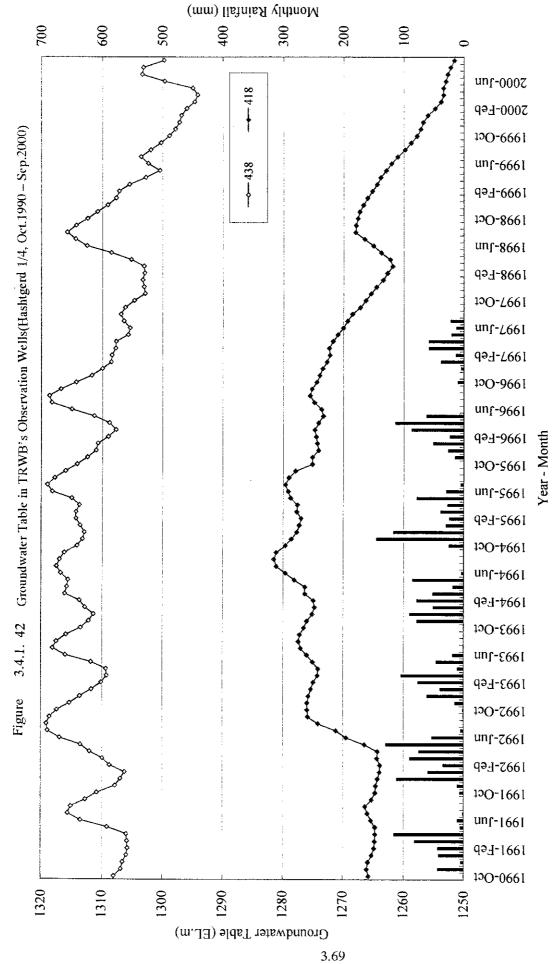
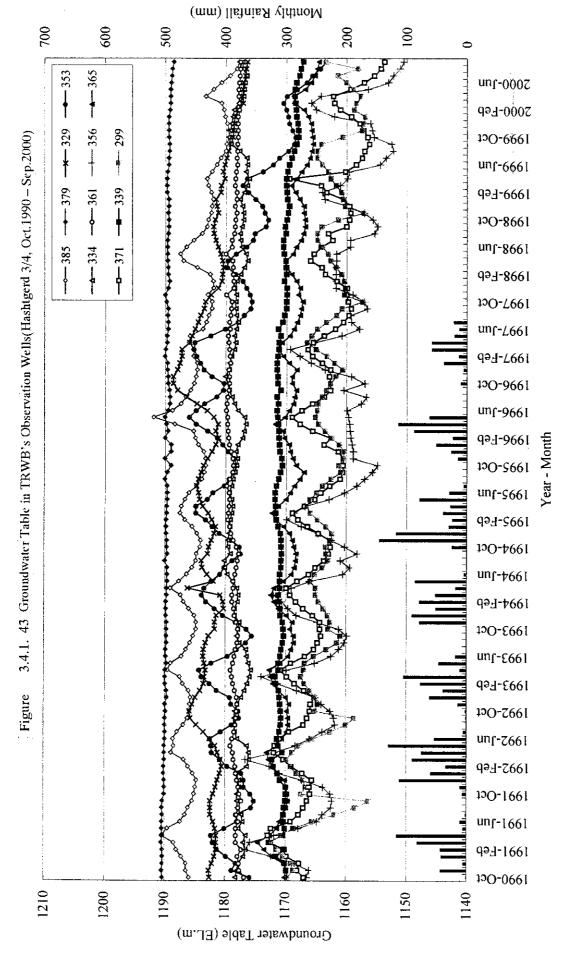


3.68

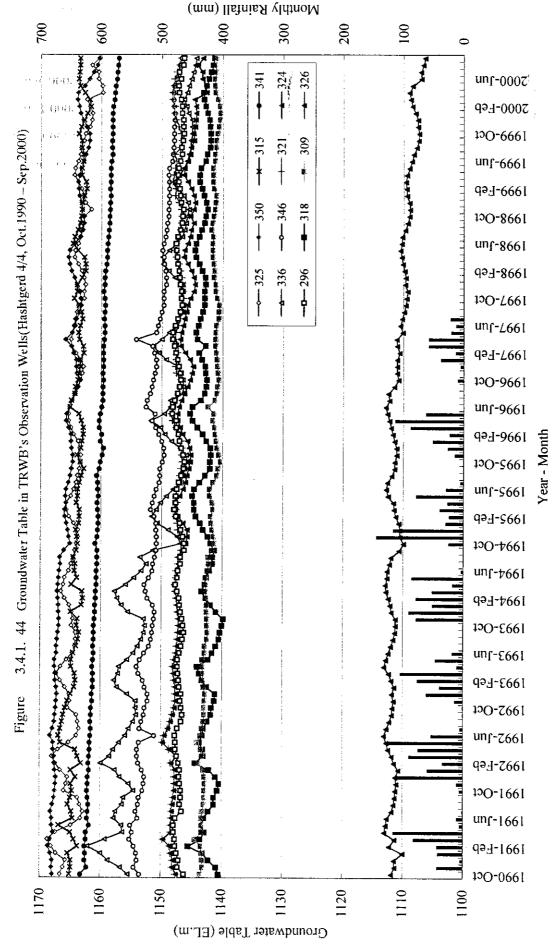




Groundwater tables in TRWB's observation wells (Oct.1990 - Sep.2000)

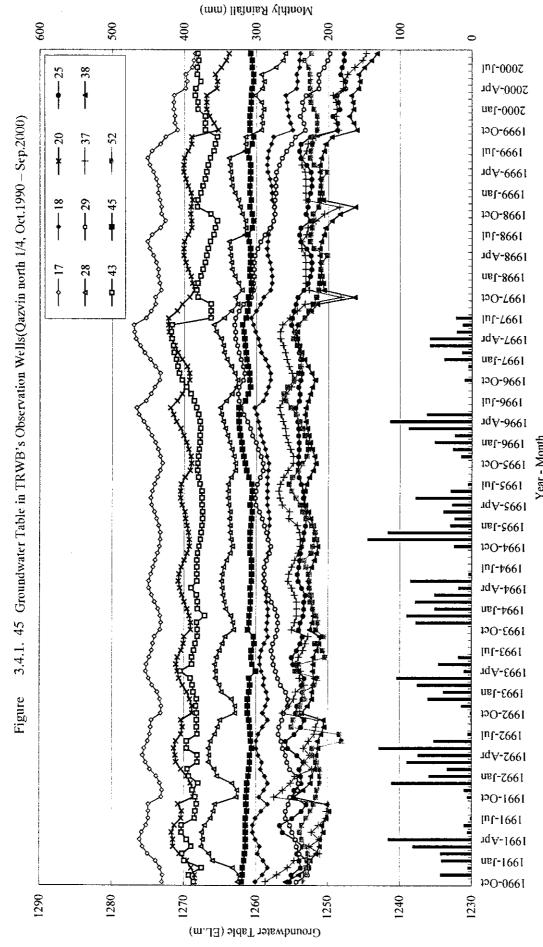


Groundwater tables in TRWB's observation wells (Oct.1990 - Sep.2000)

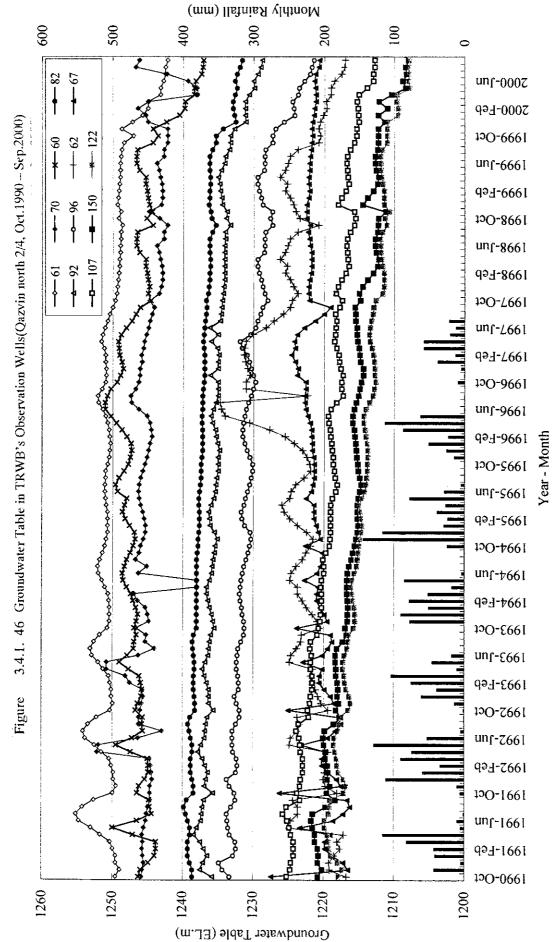


Groundwater tables in TRWB's observation wells

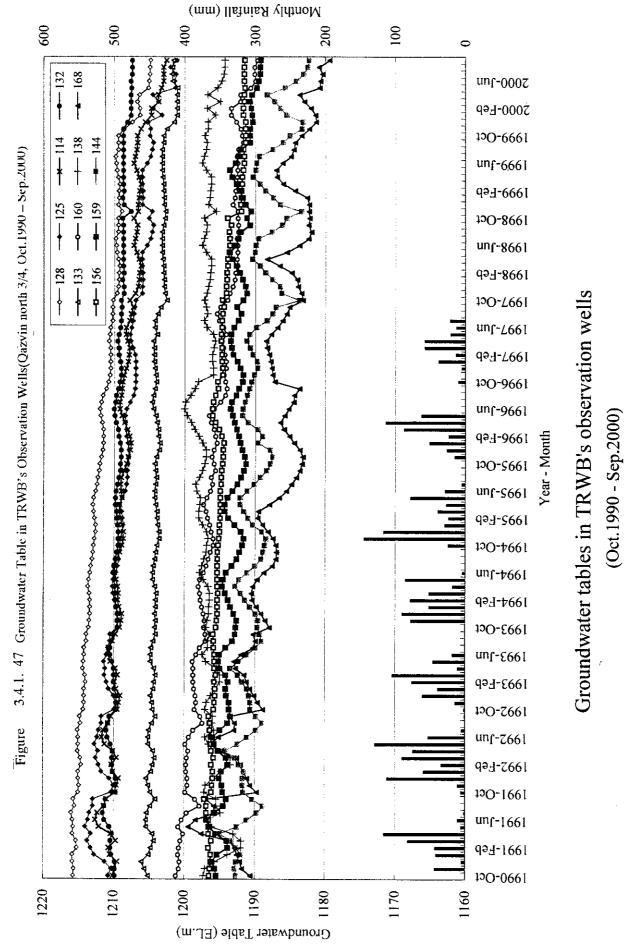
(Oct. 1990 - Sep. 2000)

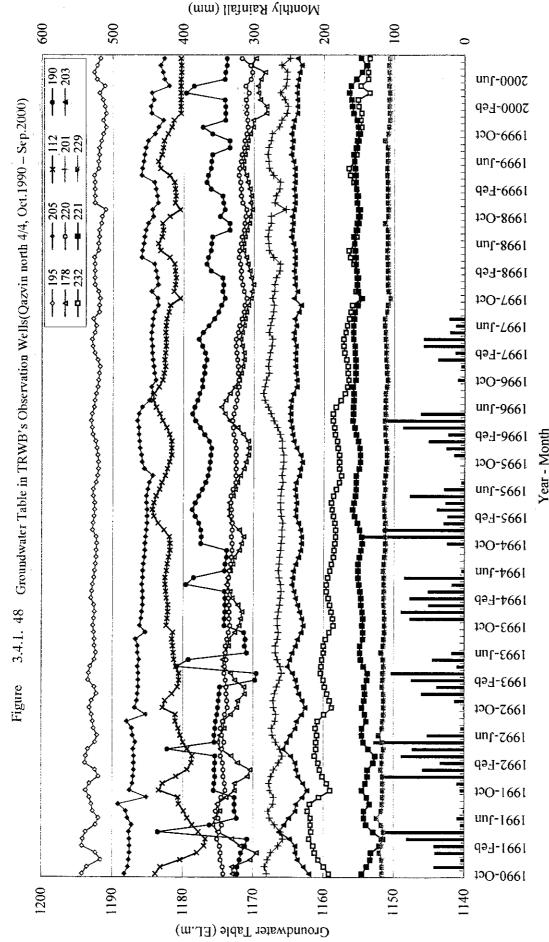


Groundwater tables in TRWB's observation wells (Oct.1990 - Sep.2000)



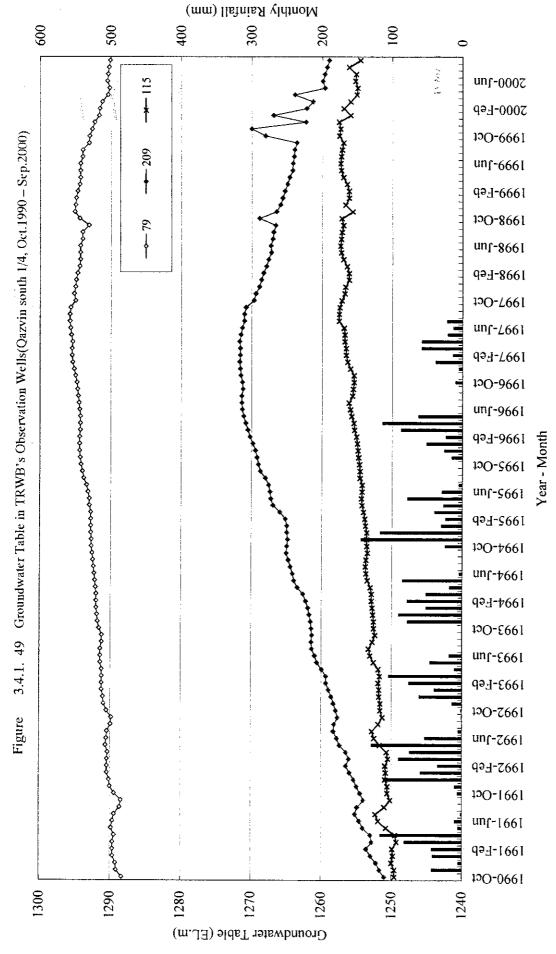
Groundwater tables in TRWB's observation wells (Oct.1990 - Sep.2000)



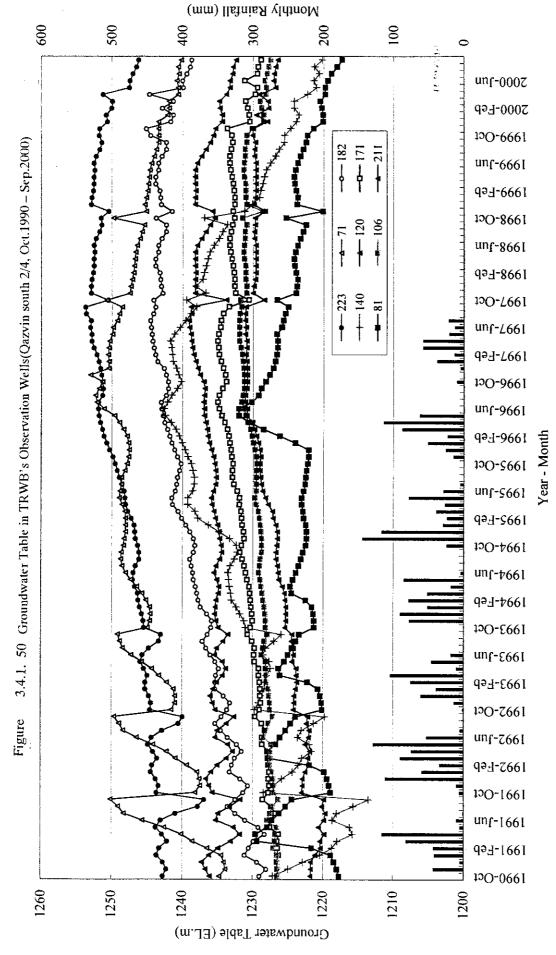


Groundwater tables in TRWB's observation wells

(Oct.1990 - Sep.2000)

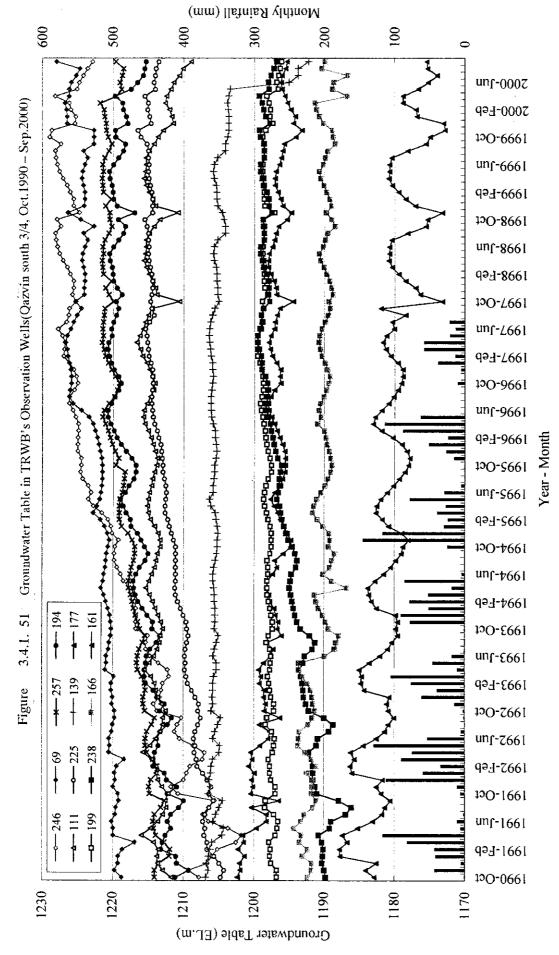


Groundwater tables in TRWB's observation wells (Oct. 1990 - Sep. 2000)

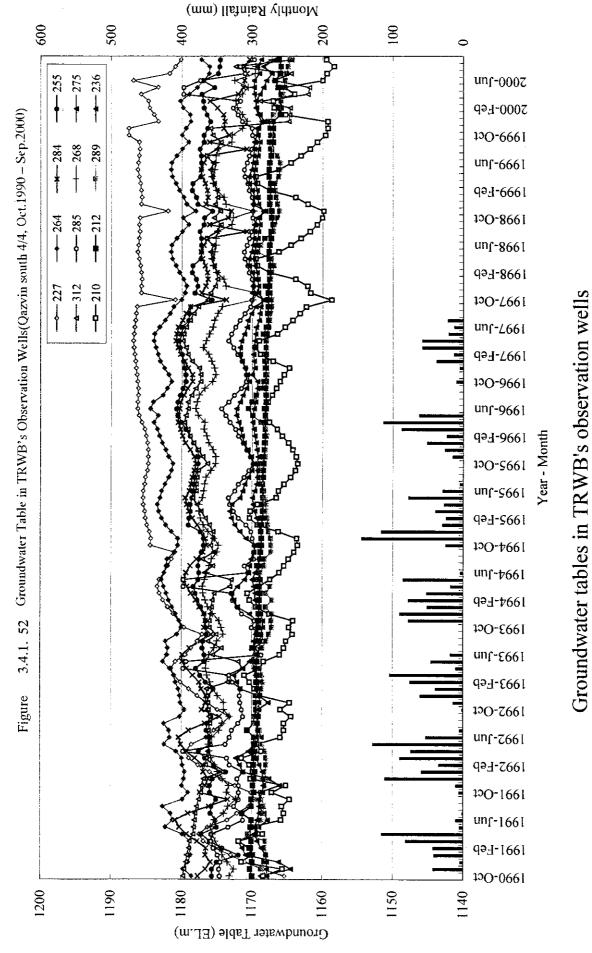


Groundwater tables in TRWB's observation wells

(Oct.1990 - Sep.2000)

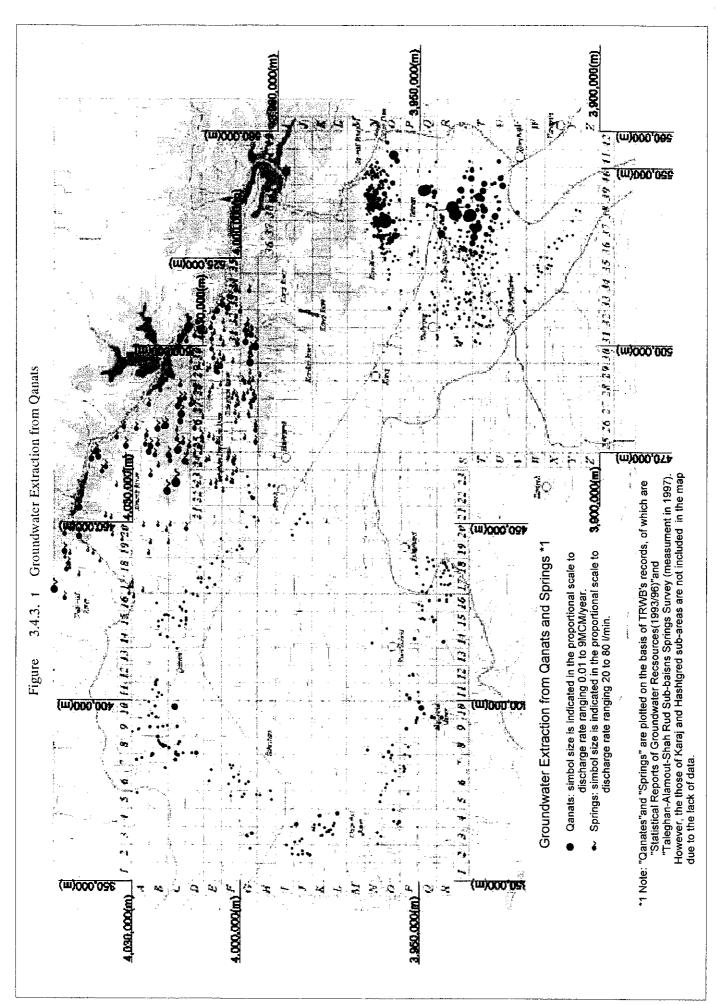


Groundwater tables in TRWB's observation wells (Oct. 1990 - Sep. 2000)



(Oct. 1990 - Sep. 2000)

3.79



# CHAPTER 4 PROPOSED WATER DEMAND

4.1	Proposed Domestic and Industrial Water Demand	4.1
4.2	Proposed Irrigation Water Demand · · · · · · · · · · · · · · · · · · ·	4.10

## 4.1 Proposed Domestic and Industrial Water Demand

### (1) Projected Population

Projected Population of the capital area in the Master Plan has been estimated under discussion among many governmental organizations and data concerned such as the Plan and Budget Organization, Provinces of Tehran and Qazvin, each city in the provinces, statistical center office of Iran taking into account the future urban and rural planning, expansion of industrial areas, national policy to allow immigrant from rural to urban area. Jamab Consultant has well prepared the projected population toward the year of 2021 settling the opinion of many agencies and its result is as shown Table 4.1.1. New cities are assumed to be established in the Region of Tehran, Karaj. Hashtgerd and Qazvin and their population also is projected. This projected population is the basis to estimate the water demand in the Master plan and also in the JICA Study.

#### (2) Per Capita Water Demand (lcd)

The per capita water demand has been estimated carefully by Jamab Consultant in the Master Plan under discussion with T.R.W.B and the water boards in each city managing the water supply. The estimation result also is summarized in Table 4.1.1.

The per capita water demand in Tehran city and some cities in the region of Theran, Karaj and Qazvin is estimated to be decreased from 1996 to 2021 taking into account the minimization of the water supply losses which is about 30 to 35% at present.

### (3) Projection Sample in the Master Plan

Samples in the Master Plan to estimate the projected population per capita water demand and total water demand in each urban and rural area are shown in Tables 4.1.2 to 4.1.8 which include major urban area in the capital area.

# 4.1.1 Population, Domestic, Industrial Water Demand

Table 4.1.1 Domestic Water Consumption in 1996 and Future

1996   2001   2006   2011   2021   1996   2001   2016   2011   2021   1996   287     255.4   299.1   388.6   380.8   46.6   28.2   31.9   16.3   18.2   31.8   31.8     1477   159.1   279.2   279.2   279.2   279.3   279.3   279.3   279.3     1477   159.2   279.3   279.2   279.3   279.3   279.3   279.3   279.3     1478   159.2   279.3   279.2   279.3   279.3   279.3   279.3   279.3     1479   279.1   279.2   279.3   279.3   279.3   279.3   279.3   279.3     1479   279.1   279.2   279.3   279.3   279.3   279.3   279.3     1479   279.1   270.2   279.3   279.3   279.3   279.3     1479   279.1   270.2   279.2   279.3   279.3   279.3     1479   279.3   279.3   279.3   279.3   279.3   279.3     148.2   279.3   279.3   279.3   279.3   279.3   279.3     149.2   279.3   279.3   279.3   279.3   279.3   279.3     149.3   279.3   279.3   279.3   279.3   279.3   279.3     149.4   46.2   279.3   279.4   279.3   279.3   279.3     149.4   46.2   279.3   279.4   279.3   279.3   279.3     149.5   279.3   279.3   279.4   279.3   279.3   279.3     149.5   279.3   279.3   279.3   279.3   279.3   279.3     149.5   279.3   279.3   279.3   279.3   279.3   279.3     149.5   279.3   279.3   279.3   279.3   279.3   279.3     149.5   279.3   279.3   279.3   279.3   279.3   279.3     149.5   279.3   279.3   279.3   279.3   279.3   279.3     149.5   279.3   279.3   279.3   279.3   279.3   279.3     149.5   279.3   279.3   279.3   279.3   279.3   279.3     149.5   279.3   279.3   279.3   279.3   279.3   279.3     149.5   279.3   279.3   279.3   279.3   279.3   279.3     149.5   279.3   279.3   279.3   279.3   279.3   279.3   279.3     149.5   279.3   279.3   279.3   279.3   279.3   279.3   279.3     149.5   279.5   279.5   279.3   279.3   279.3   279.3   279.3     149.5   279.5   279.5   279.5   279.3   279.3   279.3   279.3     149.5   279.5   279.5   279.5   279.3   279.3   279.3   279.3     149.5   279.5   279.5   279.5   279.3   279.3   279.3   279.3     149.5   279.5   279.5   279.5   279.3   279.3   279.3   279.3     149.5   279.5   27	Technan City	Water Domond		Pc	Population (10 <sup>3</sup>	(f³)			Water Co	Water Consumption (MCM)	(MCM)			Per Cap	Per Capita Demand (1cd)	(Icd)	
Technology   Tec	Technolity	יי מוכן דיכווימוים	1996	2001	2006	2011	2021	1996	2001	2006	2011	2021	1996	2001	2006	2011	2021
Total 6,758, 7,492, 8,286, 9,137, 10,253, 870, 9 907, 9 1,019, 1,1086, 1,123, 1, 553  E) Unbrian Avea  E) Unbrian E) Unb	Total Acas Nava Shakes 1,492,3 8,286,7 9,137,1 10,725,3 870,0 997,9 1,619,3 1,6864 1,233,1 10,10 than Acas Balanch Shake 1,22,7 159,3 179,3 200,6 242,9 14,9 16,3 18,2 20,1 24,3 17,8 18,4 14,2 17,8 19,3 20,6 242,9 14,9 16,3 18,2 20,1 24,3 18,5 18,2 20,1 24,3 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,2 18,4 14,1 14,4 18,4 14,1 14,4 18,4 14,1 14,4 18,4 14,1 14,4 14,4	1. Tchran City															1704
D. Driban Area   D. State Area   Area   D. Driban Area   D. State Area   D. Driban Are	Column Area	Total	6,758.8	7,492.3	8,286.7	9,137.1	10,725.3	870.0	907.9	1.019.3	1.080.6	1.233.1	353	332	337	324	315
(b) Urban Arca Salata Arca Sal	Characterist	2. Tehran Area															
Billing Shahf         2554         2991         3386         3906         4946         39.2         313         35.2         38.9         46.6         29.0         14.2         39.1         39.6         39.6         49.6         14.2         39.1         39.7         39.6         39.9         45.2         39.2         39.9         39.5         39.9         39.5         39.9         39.5         39.5         39.5         39.5         39.5         39.8         39.9         39.5	Belliam Shahr         2654         2991         338.6         464.6         28.2         31.2         38.9         46.5           Belliam Shahr         Goldrich         147.7         139.3         139.3         200.6         242.9         149.1         16.3         38.2         38.9         46.5           New Ciries         408.1         734.0         366.4         400.2         480.6         10.9         27.2         30.4         33.9         37.5           C) New Joseph         31.2         20.1         36.4         36.4         480.6         10.9         27.2         30.9         37.5           A Seraj         10.2         1.18.1         1.48.1         1.41.7         48.6         39.9         48.7         39.9         37.5           A Seraj         10.2         1.18.1         1.49.1         1.49.8         4.0         46.2         39.9         48.7         39.9         37.5           Rowing         All Sala         1.2         1.2         1.2         1.2         3.2         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0 <td>(1) Urban Arca</td> <td></td>	(1) Urban Arca															
Obverdisk Hosen Activity Manuel Manue	Ownerchaix         142.7         319.3         179.3         200.6         212.9         149.9         16.3         19.9         319.3         179.3         200.6         201.9         14.2         18.3         19.9         17.5         18.4         33.9         33.9         33.9         33.9         33.9         20.9         18.3         40.9         17.2         18.4         33.9         20.9         18.3         40.9         17.2         18.4         48.9         18.9         19.9         18.2         31.2         18.2         18.9<	Eslam Shahr	265.4	299.1	338.6	380.8	464.6	28.2	31.3	35.2	38.9	46.5	291	287	285	280	274
New Claics         0.0         301.7         844.6         400.2         480.6         0.0         27.4         35.9         39.3         37.5           C) Rund Awash Calists         Sub-total         464.6         460.2         231.7         148.1         148.1         148.8         15.3         15.3         15.3         15.3         149.3         149.8         14.3         16.4         187.2         149.8         14.1         16.0         187.2         15.3         149.3         14.1         16.0         18.2         15.3         14.9         18.8         12.9         18.9         25.9         18.9	New Ciries         0.0         340,7         346,6         980,0         480,0         97,2         36,4         385,9         375           C) Runal Acash Cash Ash Cash	Gharchak	142.7	159.3	179.3	200.6	242.9	14.9	16.3	18.2	20.1	24.3	286	280	278	275	274
Sub-total Australary   Austra	Sub-total   4881 760   8846 8916 1.1881 43.1 74.8 88 9.2 9.08.3	New Cities	0.0	301.7	346.7	400.2	480.6	0.0	27.2	30.4	33.9	37.5		247	240	232	214
(C) Runal Area 312.9 2519 2256 200.5 2117 214 15.3 113.8 113.8 113.3 14.0 15.2 15.2 15.2 15.2 15.2 15.2 15.2 15.2	(C) Runal Area (C) Start Area (C) St	Sub-total	408.1	760.1	864.6	981.6	1,188.1	43.1	74.8	83.8	92.9	108.3	289	270	792	259	250
Total   Tota	Skaright         7210         1,012.0         1,019.5         1,184.1         1,418.8         64.5         90.1         97.6         102.7         122.3           Okodes         13 Karight         138.3         157.3         179.1         202.5         248.9         14.1         16.0         18.1         20.4         24.9         18.1         20.4         24.9         18.1         20.4         24.9         24.0         18.1         20.4         24.9         24.0         18.1         20.4         24.9         24.0         18.2         20.4         24.0         24.0         24.0         24.0         24.0         24.0         18.2         20.4         4.2         24.0         18.2         40.4         1.2         24.0         24.0         24.0         18.2         30.4         46.0         5.2         40.0         20.0	(2) Rural Area	312.9	251.9	226.9	202.5	231.7	21.4	15.3	13.8	12.3	14.0	187	166	166	199	166
(1) October Ramin State	(According the control of the contro	Total	721.0	1,012.0	1,091.5	1,184.1	1,419.8	64.5	90.1	97.6	105.2	122.3	245	244	245	243	236
(1) Octobes (1863) 1573 179.1 202.5 28.9 14.1 16.0 18.1 20.4 24.9 28.0 Robat Karim Andreas (1.5 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4	(1) Ocoès 1883 1573 1791 2025 248, 141 160 181 204 249 AB Hassan Abad 85.1 157.3 179.1 202.5 248, 35.6 41 4.7 5.5 69 AB Hassan Abad 85.1 105.7 15.3 19.5 24.0 3.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	3. Karaj															23
Robit Karim         36.5         41.1         47.6         68.5         3.6         41.1         47.6         68.5         3.6         41.1         5.5         61.2         2.4         3.5         41.1         41.5         12.9         2.4         3.3         2.9         4.8         4.6         6.8         3.6         4.1         4.7         5.5         6.9         2.4         3.3         2.9         3.9         4.8         4.6         5.8         1.1         1.5         1.9         2.4         3.3         2.9         3.9         4.0         4.6         5.3         6.1         2.4         3.3         2.0         3.8         4.1         4.7         1.5         2.0         2.2         3.2	Robat Karim         365         41.1         47.6         54.6         68.2         3.6         4.1         4.5         54.6         68.2         3.6         4.1         4.7         5.4         3.3         4.1         4.7         5.4         3.2         4.1         4.7         5.2         4.3         4.2         4.3         4.1         4.7         5.8         4.3         4.4         5.2         4.3         3.4         3.3         4.1         1.5         1.2         2.4         3.3         4.0         4.2         3.2         4.3         4.0         5.2         4.3         4.1         7.6         4.2         3.2         4.2	(1) Qods	138.3	157.3	179.1	202.5	248.9	14.1	16.0	18.1	20.4	24.9	280	279	277	276	274
Hissan Abad         112         153         195         240         32.9         111         1.5         1.9         24         3.3         2.5           Abbrarbad         85.1         16.5         19.2         27.6         48.3         10.4         1.5         2.0         2.0           Abbrarbad         85.1         16.5         1.9         2.4         46.2         5.3         2.4         46.9         5.3         4.1         4.7         2.0         2.0           Mahakashi         88.1         1.045.9         1.173.0         1.389         1.578.8         92.0         102.7         115.6         12.9         2.9         3.9         2.0         3.2         3.8         4.7         4.7         3.0           Mahakashi         88.1         1.047.1         1.23.9         1.173.0         1.389         1.578.8         92.0         102.7         115.6         12.9         2.9         1.5         2.0         3.2         3.8         4.2         3.2         3.2         3.2         3.2         3.2         3.2         3.2         3.2         3.2         3.2         3.2         3.2         3.2         3.2         3.2         3.2         3.2         3.2	Hissen Abad         112         15.3         19.5         24.0         32.9         11.1         1.5         1.9         2.4         3.3           Akbarebad         85.1         105.7         19.1         15.2         210.4         4.0         4.0         5.3         6.1         7.0           Shahiryar         Karaj (Karaj Bozor)         941.0         1,045.9         1,173.0         1,508.9         1,578.8         92.0         102.7         11.5         12.9         15.4         21.0           Mahdad         88.1         106.7         12.81         1,308.9         1,578.8         92.0         102.7         115.6         129.9         157.9         157.9           New Cities         0.0         296.6         346.6         400.2         539.2         0.0         26.7         30.4         33.9         4.1         4.7           Sub-total         1,363.2         2,46.6         400.2         539.2         30.6         15.6         32.2         30.6         15.6         32.2         30.6         15.6         32.2         30.6         32.6         32.0         42.1         42.1         42.1         42.1           Sub-total         1,10sal         1,10sal         2	Robat Karim	36.5	41.1	47.6	54.6	68.5	3.6	4.1	4.7	5.5	6.9	270	272	2.73	274	27.5
Abbeirshad         85.1         195.7         199.1         155.2         210.4         8.3         10.4         12.7         15.4         21.0         268           Abbritysting Bozon)         94.10         1.045.9         1.175.0         1.386.9         175.6         4.0         4.6         3.5         3.6         3.9         4.6         9.0         3.5         3.9         4.6         9.2         3.5         3.9         4.6         9.2         3.5         3.9         4.6         9.2         3.5         3.9         4.6         9.2         3.5         3.9         4.6         9.2         3.5         3.9         4.0         3.5         3.6         3.9         4.6         9.2         3.5         3.6         3.9         4.6         9.2         3.5         3.6         3.9         4.6         9.2         3.5         3.6         3.9         4.6         9.2         3.5         3.4         4.7         3.0         2.0 <th< td=""><td>Abheirsbad         85.1         105.7         129.1         155.2         210.4         8.3         104         12.7         15.4         21.0           Shahriyar         Afberrabad         85.1         40.1         46.2         15.2         210.4         6.5         3.5         6.0         75.6         4.0         1.5         3.5         1.7         15.4         21.0         7.6           Mahdasht         88.1         10.6         1.2         1.5         3.9         4.6         3.2         3.5         3.8         4.1         4.7           New Clines         0.0         296.5         1.8         1.5         1.2         1.5         1.2         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.7         <t< td=""><td>Hassan Abad</td><td>11.2</td><td>15.3</td><td>19.5</td><td>24.0</td><td>32.9</td><td>1.1</td><td>1.5</td><td>1.9</td><td>2.4</td><td>3.3</td><td>259</td><td>263</td><td>265</td><td>270</td><td>274</td></t<></td></th<>	Abheirsbad         85.1         105.7         129.1         155.2         210.4         8.3         104         12.7         15.4         21.0           Shahriyar         Afberrabad         85.1         40.1         46.2         15.2         210.4         6.5         3.5         6.0         75.6         4.0         1.5         3.5         1.7         15.4         21.0         7.6           Mahdasht         88.1         10.6         1.2         1.5         3.9         4.6         3.2         3.5         3.8         4.1         4.7           New Clines         0.0         296.5         1.8         1.5         1.2         1.5         1.2         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.7 <t< td=""><td>Hassan Abad</td><td>11.2</td><td>15.3</td><td>19.5</td><td>24.0</td><td>32.9</td><td>1.1</td><td>1.5</td><td>1.9</td><td>2.4</td><td>3.3</td><td>259</td><td>263</td><td>265</td><td>270</td><td>274</td></t<>	Hassan Abad	11.2	15.3	19.5	24.0	32.9	1.1	1.5	1.9	2.4	3.3	259	263	265	270	274
Smathrysat         40.1         46.2         53.2         60.7         75.6         4.0         4.6         5.3         6.1         7.6         27.1           Mathdisd         29.0         32.1         35.6         30.2         15.7         3.8         4.1         4.7         9.0           Mathdisd         88.1         106.7         128.1         152.3         210.8         8.6         10.5         12.6         15.1         20.2         25.8           New Cities         30.         296.         128.1         152.3         210.8         8.6         10.5         12.1         20.2         26.8           New Cities         30.         296.         21.8         20.0         26.7         30.4         33.9         42.1         47.7         20.2         20.2         32.8         4.1         4.7         4.7         4.7         4.1         4.7         4.1         4.7         4.1         4.8         4.1         4.8         4.1         4.8         4.1         4.8         4.1         4.8         4.1         4.8         4.1         4.8         4.1         4.7         4.8         4.1         4.8         4.1         4.8         4.1         4.8	Shahriyar         401         46.2         53.2         60.7         75.6         4.0         4.6         5.3         6.1         7.6           Karji (Karaj Bozor)         40.1         1.045.9         1,573.0         1,578.8         9.20         102.7         115.6         129.9         157.9           Madushit         29.0         32.1         35.6         34.6         40.2         53.2         35.0         38.2         38.4         4.1         4.2         4.2         4.2         4.2         4.2         4.2         4.2         4.2         4.2         4.2         4.2         4.2         4.2         4.2         4.2         4.2	Akbarabad	85.1	105.7	129.1	155.2	210.4	8.3	10.4	12.7	15.4	21.0	268	269	270	272	274
Karaj (Karaj Bozor)         941.0         1,045.9         1,173.0         1,308.9         1,578.8         92.0         102.7         115.6         129.9         157.9         268           Mahdasht         82.0         32.1         35.6         39.4         46.9         32.0         35.7         38.9         4.1         47         300           New Cities         0.0         296.6         346.6         400.2         539.2         0.0         26.7         30.4         33.9         42.1         37         300           Sub-total         1,369.3         1,364.9         2,111.8         2,378         3,012.0         144.9         166.2         23.2         30.6         26.7         30.4         33.9         42.1         37         30.0           C) Rund Loral         1,369.3         1,368.2         2,600.3         3,243.6         156.3         195.3         132.8         130.0         255.8           Hashingerd Area         1,682.2         2,098.7         2,338.8         2,600.3         3,243.6         156.3         18.3         18.2           Owwing Income Construction         3.0         4.2         15.3         15.3         14.4         4.5         3.5         4.8         18.	Karaj (Karaj Bozor)         941.0         1,045.9         1,173.0         1,508.9         1,578.8         92.0         102.7         115.6         129.9         157.9           Madhashi         20.0         32.1         3.56         39.4         46.9         3.2         3.5         3.8         4.1         4.7           Mahlash         106.7         296.6         346.6         400.2         539.2         0.0         206.7         30.4         33.9         42.1           Sub-total         1,349.3         184.9         2,111.8         2,397.8         3,012.0         114.9         180.0         205.1         23.2         8.8         4.1         4.7           C) Rual Area         1,682.2         2,086.7         2,316.8         2,01.4         186.3         186.3         18.6         3.0         18.6         3.0         4.2         4.2         3.0         4.2         3.0         3.2         4.2         3.2         4.2         3.2         4.2         3.2         4.2         3.2         4.2         18.6         3.2         4.2         18.6         3.2         4.2         18.6         3.2         3.2         3.2         4.2         18.6         3.2         3.2         3.2<	Shahriyar	40.1	46.2	53.2	60.7	75.6	4.0	4.6	5.3	6.1	7.6	271	272	273	274	274
Mandasht         290         321         356         394         469         3.2         3.5         3.8         4.1         4,7         300           Maldasht         881         1967         1281         152.2         290         3.2         3.5         3.8         4.1         4,7         300           New Cities         0.0         296.6         346.8         1,122.3         297.8         3,012.0         1,34.9         180.0         205.1         23.8         4.2.1         3.9         28.8         4.2.1         3.9         2.8         4.2.1         3.9         2.8         4.2.1         3.9         2.8         4.2.1         3.9         2.8         4.2.1         3.9         2.8         4.2.1         3.9         2.8         3.0         2.2         3.0         3.3         4.1         4.8         6.3         2.7         4.8         8.9         1.8         5.0         2.2         1.8         3.2         1.8         3.0         3.2         3.0         3.2         3.0         3.2         3.0         3.2         3.2         3.2         4.1         4.8         6.3         2.0         3.0         3.0         3.0         3.0         3.2         3.2	Maldasht         29.0         32.1         35.6         39.4         46.9         3.2         3.5         3.8         4.1         4.7           Malad         Malad         88.1         10.5         12.6         13.6         13.6         3.01.2         3.01.2         3.0         4.0         4.7         4.7           Nealed         0.0         20.6         3.6         4.0         3.01.2         0.0         26.7         3.01.2         3.0         26.7         3.0         3.0         3.0         3.0         4.1         4.7         4.0           C) Rural Area         31.29         2.11.8         2.20.0         2.0         2.0         2.0         3.0         3.0         4.1         4.8         1.2         3.2.8         3.0         4.1         4.8         4.0         3.0         4.1         4.2         3.0         4.1         4.2         3.0         4.2         3.0         4.2         3.0         4.2         3.0         4.2         3.0         4.2         3.0         4.2         3.0         4.2         3.0         4.2         3.0         4.2         4.2         4.2         4.2         4.2         4.2         4.2         4.2         4.2 <t< td=""><td>Karaj (Karaj Bozor)</td><td>941.0</td><td>1,045.9</td><td>1,173.0</td><td>1,308.9</td><td>1,578.8</td><td>92.0</td><td>102.7</td><td>115.6</td><td>129.9</td><td>157.9</td><td>268</td><td>269</td><td>270</td><td>272</td><td>2.74</td></t<>	Karaj (Karaj Bozor)	941.0	1,045.9	1,173.0	1,308.9	1,578.8	92.0	102.7	115.6	129.9	157.9	268	269	270	272	2.74
Malard         881         106.7         128.1         152.3         210.8         8.6         10.5         12.6         15.1         20.2         268           New Gites         New Gites         1.369.3         1.266.6         346.6         340.2         239.2         10.0         26.7         30.4         31.2         20.2         268           CD Rural Area         312.9         2.51.8         2.27.0         202.5         231.6         13.4         15.3         13.2         14.0         187           Total         1.682.2         2.088.7         2.38.8         2.600.3         3.243.6         156.3         19.3         12.3         14.0         187           Hashtgard Area         3.0         79.9         92.3         105.6         132.0         6.3         7.4         8.8         10.2         13.7           New Hashtgard         69.0         79.9         92.3         105.6         132.0         6.3         7.4         8.8         10.2         13.6           New Hashtgard         69.0         79.9         92.3         105.6         132.0         6.3         7.4         8.8         10.2         25.6           New Hashtgard         Area         10	Malard         88.1         1067         128.1         152.3         210.8         86         10.5         12.6         15.1         20.2           New Cities         0.0         206.         346.6         400.2         539.2         0.0         267         30.4         33.9         42.1           C) Rural Area         312.9         1,846.9         2,111.8         2,397.8         3,012.0         134.9         180.0         265.1         33.9         28.8         10.2         33.9         180.0         265.1         33.9         180.0         265.1         33.9         3,012.0         21.4         18.0         26.2         36.9         33.9         3,012.0         21.4         18.0         26.3         18.8         18.3         18.8         18.3         18.8         18.3         18.8         18.3         18.8         18.2         18.8         18.2         18.8         18.2         18.8         18.2         18.8         18.2         18.8         18.2         18.8         18.2         18.8         18.2         18.8         18.2         18.8         18.2         18.8         18.2         18.8         18.2         18.8         18.2         18.2         18.8         18.2         18.2<	Mahdasht	29.0	32.1	35.6	39.4	46.9	3.2	3.5	3.8	4.1	4.7	300	295	290	285	274
New Cities         0.0         296.6         346.6         400.2         539.2         0.0         26.7         30.4         33.9         42.1           Sub-total         1,369.3         1,849.3         1,849.3         2,111.8         2,397.8         3,012.0         213.4         18.3         123.2         28.6         270           Sub-total         1,682.2         2,111.8         2,378.8         2,000.3         3,245.6         15.3         18.9         245.1         37.0         18.7           4. Hashtgerd Area         32.8         3.8         2,600.3         3,245.6         15.3         18.9         245.1         30.6         25.5           All Bashtgerd Area         3.2         3.8         4.3         5.0         6.3         3.5         4.4         4.8         6.3         245.1         3.5           Nazarabad         0.0         6.5         9.2         13.2         1.0         2.6         3.4         4.8         6.3         2.4           Sub-total         101.8         183.7         35.6         475.0         718.4         9.2         1.6.8         33.1         45.1         8.6         248           Cazvin Plan         1.0         1.2         3	New Cities         0.0         296.6         346.6         400.2         539.2         0.0         26.7         30.4         33.9         42.1           Sub-total         L369.3         1,364.9         2,11.8         2,397.8         3,012.0         134.9         180.0         205.1         222.8         288.6           C) Rural Area         1,369.3         1,446.9         2,11.8         2,37.8         2,000.3         3,243.6         16.3         195.3         18.9         25.8         288.6           4. Hashtgerd Area         32.8         3.8         43.8         50.1         62.5         2.9         3.5         4.1         4.8         6.3           Now Hashtgerd Area         69.0         79.9         92.3         105.5         12.9         3.5         4.1         4.8         6.3           Now Hashtgerd Area         69.0         79.9         92.3         105.6         3.2         6.3         4.1         4.8         6.3           Now Hashtgerd Area         69.0         79.9         92.3         105.6         12.2         2.9         3.1         4.8         6.3           Now Hashtgerd Area         111.1         104.0         104.9         102.6         4.8	Malard	88.1	106.7	128.1	152.3	210.8	8.6	10.5	12.6	5.	20.2	2,68	549	270	07.0	262
Sub-total         1,369.3         1,364.9         2,111.8         2,397.8         3,012.0         134.9         180.0         205.1         232.8         2,886         270           (2) Rural Area         1,682.2         2,118         2,31.6         21.4         15.3         13.8         12.3         14.0         187           4. Hashigerd Area         32.8         3.80         43.8         5.01         62.5         2.9         3.5         4.1         4.8         6.3         245           (1) Hashigerd Area         32.8         3.80         43.8         50.1         62.5         2.9         3.5         4.1         4.8         6.3         245           Nexarabad         69.0         79.9         92.3         105.6         13.9         2.9         2.9         3.5         4.1         4.8         6.3         2.4         1.8         6.3         2.4         1.8         6.3         2.4         1.8         6.3         2.4         1.8         6.3         2.4         1.8         6.3         2.4         1.8         6.3         2.4         1.8         6.3         2.4         1.8         6.3         2.4         1.8         6.3         2.4         1.8         6.3	Sub-total         1,369.3         1,846.9         2,111.8         2,397.8         3,012.0         134.9         180.0         205.1         232.8         288.6           (2) Rural Area         312.9         251.8         227.0         202.5         231.6         1,68.2         249.7         1,68.2<	New Cities	0.0	296.6	346.6	400.2	539.2	0.0	26.7	30.4	33.9	42.1	)	747	240	232	277
(2) Rural Area         312.9         251.8         227.0         202.5         231.6         15.3         13.8         12.3         14.0         18.7           Total         1.682.2         2,088.7         2,338.8         2,600.3         3,243.6         156.3         195.3         118.9         245.1         302.6         255           4. Hashtgerd Area         32.8         38.0         43.8         50.1         62.5         2.9         3.5         4.1         4.8         6.3         245.2           Nazarabad         69.0         79.9         92.3         105.6         132.9         7.4         8.8         10.2         13.2         245           New Hashtgerd         0.0         65.8         217.5         319.3         523.9         7.4         8.8         10.2         13.2         245           Sub-total         10.18         18.3         35.5         35.9         20.2         30.1         49.1         -         48.1         48.1         48.1         48.2         10.2         13.2         11.8         11.8         11.8         11.8         11.8         11.8         11.8         11.8         11.8         12.5         14.8         6.3         24.5	(2) Rural Area         312.9         251.8         252.0         202.5         23.1.6         15.3         13.8         12.3         14.0           Total         Total         1.682.2         2.098.7         2.338.8         2.600.3         3.243.6         15.6.3         195.3         118.9         245.1         302.6           4. Hashigerd Area         32.8         38.0         43.8         50.1         62.3         74         88         10.2         13.0           New Hashigerd         6.0         65.8         217.5         319.3         523.9         7.4         88         10.2         13.2           New Hashigerd         0.0         65.8         217.5         319.3         52.9         7.4         88         10.2           Sub-total         101.8         183.7         35.3         475.0         718.4         9.2         16.8         33.1         45.1         68.6           2) Rural Area         101.1         11.2.1         104.0         104.2         104.9         10.0         4.8         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3		1,369.3	1,846.9	2,111.8	2.397.8	3.012.0	134.9	180.0	205.1	232.8	288.6	270	197	2,66	766	763
1,682.2 2,098.7 2,338.8 2,600.3 3,243.6   156.3 195.3 218.9 245.1 302.6 255     32.8	1,682.2         2,098.7         2,338.8         2,600.3         3,243.6         156.3         195.3         218.9         245.1         302.6           32.8         38.0         43.8         50.1         62.5         2.9         3.5         4.1         4.8         6.3           69.0         79.9         92.3         105.6         132.0         6.3         7.4         8.8         10.2         13.2           10.1.8         183.7         353.6         475.0         718.4         9.2         16.8         33.1         45.1         49.1           112.1         104.8         104.2         104.9         102.6         4.8         5.3         5.3         5.2         30.1         49.1           213.9         287.7         457.8         871.0         102.6         4.8         5.3         3.1         48.1         68.6           60.8         60.8         41.9         47.7         59.0         2.8         3.3         3.9         4.5         5.9           60.8         60.8         69.6         41.9         47.7         59.0         2.8         3.3         3.9         4.5         5.9           291.1         32.5         4.9		312.9	251.8	227.0	202.5	231.6	21.4	15.3	13.8	12.3	14.0	187	1991	166	166	166
32.8 38.0 43.8 50.1 62.5 2.9 3.5 4.1 4.8 6.3 245 69.0 65.8 217.5 319.3 523.9 5.9 2.2 30.1 49.1 249 6.3 102.6 132.0 6.3 5.9 20.2 30.1 49.1 249 6.3 102.6 132.0 6.3 5.9 20.2 30.1 49.1 7.8 104.0 104.2 104.9 102.6 4.8 5.3 5.3 5.3 5.3 5.3 18.0 18.0 18.0 19.2 102.6 4.8 5.3 5.3 5.3 5.3 5.3 18.0 18.0 19.0 102.0 4.8 5.3 5.3 5.3 5.3 18.0 18.0 18.0 19.0 19.0 19.0 19.0 19.0 19.0 19.0 19	32.8         38.0         43.8         50.1         62.5         2.9         3.5         4.1         4.8         6.3           69.0         79.9         92.3         105.6         132.0         6.3         7.4         8.8         10.2         13.2           10.18         183.7         353.6         475.0         718.4         9.2         16.8         33.1         45.1         68.6           112.1         104.8         104.2         104.9         102.6         4.8         5.9         20.2         30.1         49.1           213.9         287.7         457.8         579.9         821.0         14.0         22.1         38.4         50.4         73.8           32.8         36.6         41.9         47.7         59.0         2.8         3.3         3.9         4.5         5.9           60.8         60.8         67.9         90.0         110.9         3.2         6.3         7.2         8.3         10.5           11.0         11.5         13.4         15.3         10.9         2.8         3.3         3.9         4.5         5.9           291.1         325.1         366.5         410.9         49.8         27.8	Total	1,682.2	2,098.7	2,338.8	2.600.3	3,243.6	156.3	195.3	218.9	245.1	302.6	255	255	256	258	256
32.8         38.0         43.8         50.1         62.5         2.9         3.5         4.1         4.8         6.3         245           69.0         79.9         92.3         105.6         132.0         6.3         7.4         8.8         10.2         13.2         249           al         101.8         183.7         353.6         475.0         718.4         9.2         16.8         33.1         45.1         68.6         248           112.1         104.0         104.2         104.9         102.6         4.8         5.3         5.3         5.3         5.4         8.6         248           213.9         287.7         457.8         579.9         821.0         14.0         22.1         38.4         50.4         73.8         180           32.8         36.6         41.9         47.7         59.0         10.2         3.3         3.9         4.5         5.9         20.2         30.4         3.8         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0         4.0 <th< th=""><th>32.8         38.0         43.8         50.1         62.5         2.9         3.5         4.1         4.8         6.3           69.0         79.9         92.3         105.6         132.0         6.3         7.4         8.8         10.2         13.2           n.         101.8         183.7         353.6         475.0         718.4         9.2         16.8         33.1         45.1         68.6           112.1         104.0         104.2         104.9         102.6         4.8         5.3         5.3         5.3         5.3         5.3         5.2           213.9         287.7         457.8         579.9         821.0         4.6         5.3         5.3         5.3         5.3         5.3         5.2           213.9         287.7         457.8         579.9         821.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         22.1         33.1         45.1         6.8         6.3         6.3         5.2         5.2           201.1         225.1         36.5         410.9         49.0         17.0         12.2         8.2         4.2         5.0         4.2</th><th>4. Hashtgerd Area</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>11.21</th><th>0.100</th><th>33</th><th>200</th><th>0.53</th><th>007</th><th>0.57</th></th<>	32.8         38.0         43.8         50.1         62.5         2.9         3.5         4.1         4.8         6.3           69.0         79.9         92.3         105.6         132.0         6.3         7.4         8.8         10.2         13.2           n.         101.8         183.7         353.6         475.0         718.4         9.2         16.8         33.1         45.1         68.6           112.1         104.0         104.2         104.9         102.6         4.8         5.3         5.3         5.3         5.3         5.3         5.2           213.9         287.7         457.8         579.9         821.0         4.6         5.3         5.3         5.3         5.3         5.3         5.2           213.9         287.7         457.8         579.9         821.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         14.0         22.1         33.1         45.1         6.8         6.3         6.3         5.2         5.2           201.1         225.1         36.5         410.9         49.0         17.0         12.2         8.2         4.2         5.0         4.2	4. Hashtgerd Area									11.21	0.100	33	200	0.53	007	0.57
total 69.0 79.9 92.3 105.6 132.0 6.3 7.4 8.8 10.2 13.2 249  total 0.0 65.8 217.5 319.3 523.9 5.9 20.2 30.1 49.1 -  total 101.8 183.7 353.6 475.0 718.4 9.2 16.8 33.1 45.1 68.6 248  112.1 104.0 104.2 104.9 102.6 4.8 5.3 5.3 5.3 5.2 118  32.8 36.6 41.9 47.7 59.0 2.8 3.3 3.9 4.5 5.9 10.5 10.6  291.1 325.1 366.5 410.9 49.8 27.8 31.4 35.6 40.5 49.9 262  31.5 38.4 46.0 54.1 70.3 1.7 35.6 40.5 40.5 11.0 1.1 1.3 1.5 1.9 16.0  8.1 9.5 11.0 12.7 16.1 0.8 0.8 1.0 1.1 1.3 1.5 1.9 148  11.9 13.7 15.7 17.8 22.1 1.0 1.2 1.0 1.1 1.3 1.5 1.9 1.5 1.9 1.0 1.1 1.3 1.5 1.9 1.5 1.9 1.5 1.9 1.5 1.9 1.5 1.9 1.5 1.0 1.1 1.3 1.5 1.5 1.9 1.5 1.5 1.9 1.5 1.9 1.5 1.9 1.5 1.9 1.5 1.5 1.9 1.5 1.5 1.9 1.5 1.5 1.9 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	trd 0.0 65.8 217.5 319.3 523.9 6.3 7.4 8.8 10.2 13.2 1.2 1.2 1.2 1.3 19.3 523.9 6.3 5.9 20.2 30.1 49.1 49.1 101.8 183.7 353.6 475.0 718.4 9.2 16.8 33.1 45.1 68.6 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	(1) Hashtgerd	32.8	38.0	43.8	50.1	62.5	2.9	3.5	4.1	4.8	6.3	245	250	255	262	274
crd         0.0         65.8         217.5         319.3         523.9         5.9         20.2         30.1         49.1	erd         0.0         65.8         217.5         319.3         523.9         5.9         20.2         30.1         49.1           total         101.8         183.7         353.6         475.0         718.4         9.2         16.8         33.1         45.1         68.6           tal         112.1         104.0         104.2         104.9         102.6         4.8         5.3         5.3         5.3         5.2           tal         213.9         287.7         457.8         579.9         821.0         14.0         22.1         38.4         50.4         73.8           60.8         60.8         60.8         41.9         47.7         59.0         2.8         3.3         3.9         4.5         5.9           60.8         60.8         60.8         79.4         90.0         110.9         3.2         6.3         7.2         8.3         10.5           291.1         325.1         366.5         410.9         498.8         27.8         31.4         35.6         40.9         5.3           10.0         11.5         13.4         15.3         10.2         11.1         11.3         11.5         11.1         11.1         11.1	Nazarabad	0.69	79.9	92.3	105.6	132.0	6.3	7.4	8,8	10.2	13.2	249	255	260	265	274
total         101.8         183.7         353.6         475.0         718.4         9.2         16.8         33.1         45.1         68.6         248           tal         112.1         104.0         104.2         104.9         102.6         4.8         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         5.3         118           tal         213.9         287.7         457.8         579.9         821.0         14.0         22.1         38.4         50.4         73.8         180           32.8         36.6         41.9         47.7         59.0         2.8         3.3         4.5         5.9         231           60.8         60.6         79.4         90.0         110.9         3.2         6.3         4.5         5.9         231           60.8         60.6         79.4         40.0         110.9         3.2         6.3         4.5         5.0         5.3         144           10.0         11.5         11.5         11.5         11.5         11.5         11.5         11.5         11.5         11.5	total         101.8         183.7         353.6         475.0         718.4         9.2         16.8         33.1         45.1         68.6           tial         213.9         287.7         457.8         579.9         821.0         14.0         22.1         38.4         50.4         73.8           60.8         69.6         79.4         90.0         110.9         3.2         6.3         7.2         8.3         10.5           31.5         38.4         46.0         54.1         70.3         17         3.5         4.2         5.0           8.1         32.5         46.0         54.1         70.3         1.7         3.5         4.2         8.3         10.5           11.0         11.5         13.4         15.3         19.2         1.1         1.3         1.5         1.9           11.9         13.7         15.2         19.0         1.1         1.1         1.3         1.5         1.1         1.5           11.9         13.7         15.2         19.0         1.1         1.0         1.1         1.1         1.1         1.1         1.1         1.2         1.1         1.1         1.2         1.1         1.1         1.	New Hashtgerd	0.0	65.8	217.5	319.3	523.9		5.9	20.2	30.1	49.1	1	194	238	243	247
tal         112.1         104.0         104.2         104.9         102.6         4.8         5.3         5.3         5.3         5.2         118           tal         213.9         287.7         457.8         579.9         821.0         14.0         22.1         38.4         504         73.8         180           32.8         36.6         41.9         47.7         59.0         2.8         3.3         3.9         4.5         5.9         144           60.8         69.6         79.4         90.0         110.9         3.2         6.3         7.2         8.3         10.5         144           291.1         325.1         366.5         410.9         498.8         27.8         31.4         35.6         40.5         49.9         26.2           31.5         38.4         46.0         54.1         70.3         1.7         3.5         40.5         5.0         5.2         148           10.0         11.5         13.4         15.3         19.2         1.7         3.5         40.5         5.0         5.3         148           8.1         9.5         11.0         12.7         1.1         1.0         1.1         1.1         <	tal         112.1         104.0         104.2         104.9         102.6         4.8         5.3         5.3         5.2         5.2           tal         213.9         287.7         457.8         579.9         821.0         14.0         22.1         38.4         50.4         73.8           32.8         3.6         41.9         47.7         59.0         2.8         3.3         3.9         4.5         5.9           60.8         69.6         79.4         90.0         110.9         3.2         6.3         7.2         8.3         10.5           291.1         325.1         366.5         410.9         498.8         27.8         31.4         35.6         40.5         49.9           31.5         38.4         46.0         54.1         70.3         1.7         35.4         40.5         5.0         5.3           31.5         38.4         46.0         54.1         70.3         1.7         35.4         5.0         5.0         5.3           40.0         11.5         19.2         12.2         11.1         1.3         1.5         1.0           8.1         9.5         11.0         12.1         11.0         12.1	Sub-total	101.8	183.7	353.6	475.0	718.4	9.2	16.8	33.1	45.1	9.89	248	251	256	790	261
tal         213.9         287.7         457.8         579.9         821.0         14.0         22.1         38.4         50.4         73.8         180           32.8         36.6         41.9         47.7         59.0         2.8         3.3         3.9         4.5         5.9         231           60.8         69.6         79.4         90.0         110.9         3.2         6.3         7.2         8.3         10.5         144           291.1         325.1         366.5         410.9         498.8         27.8         31.4         35.6         40.5         49.9         262           31.5         38.4         46.0         54.1         70.3         1.7         3.5         4.2         5.0         5.3         148           10.0         11.5         13.4         15.3         19.2         1.7         3.5         4.2         5.0         5.3         148           8.1         9.5         11.0         12.7         16.1         0.8         0.8         1.0         1.1         1.5         1.7         1.1         1.5         1.4         1.5         1.1         1.1         1.1         1.2         1.1         1.0         1.1 <td>tal         213.9         287.7         457.8         579.9         821.0         14.0         22.1         38.4         50.4         73.8           32.8         36.6         41.9         47.7         59.0         2.8         3.3         3.9         4.5         5.9           60.8         69.6         79.4         90.0         110.9         3.2         6.3         7.2         8.3         10.5           291.1         325.1         366.5         410.9         498.8         27.8         31.4         35.6         40.5         49.9           31.5         38.4         46.0         54.1         70.3         1.7         3.5         4.2         5.0         5.3           10.0         11.5         13.4         15.3         10.2         1.1         1.3         1.5         1.9           10.1         12.7         16.1         0.8         0.8         1.0         1.1         1.5         1.9           11.9         13.7         15.2         17.8         22.1         1.0         1.1         1.3         1.5         1.0         1.1         1.1         1.2         1.1         1.3         1.5         2.0         2.0         2.0</td> <td>(2) Rural Area</td> <td>112.1</td> <td>104.0</td> <td>104.2</td> <td>104.9</td> <td>102.6</td> <td>4.8</td> <td>5.3</td> <td>5.3</td> <td>5.3</td> <td>5.2</td> <td>118</td> <td>139</td> <td>139</td> <td>139</td> <td>139</td>	tal         213.9         287.7         457.8         579.9         821.0         14.0         22.1         38.4         50.4         73.8           32.8         36.6         41.9         47.7         59.0         2.8         3.3         3.9         4.5         5.9           60.8         69.6         79.4         90.0         110.9         3.2         6.3         7.2         8.3         10.5           291.1         325.1         366.5         410.9         498.8         27.8         31.4         35.6         40.5         49.9           31.5         38.4         46.0         54.1         70.3         1.7         3.5         4.2         5.0         5.3           10.0         11.5         13.4         15.3         10.2         1.1         1.3         1.5         1.9           10.1         12.7         16.1         0.8         0.8         1.0         1.1         1.5         1.9           11.9         13.7         15.2         17.8         22.1         1.0         1.1         1.3         1.5         1.0         1.1         1.1         1.2         1.1         1.3         1.5         2.0         2.0         2.0	(2) Rural Area	112.1	104.0	104.2	104.9	102.6	4.8	5.3	5.3	5.3	5.2	118	139	139	139	139
32.8       36.6       41.9       47.7       59.0       2.8       3.3       3.9       4.5       5.9       231         60.8       69.6       79.4       90.0       110.9       3.2       6.3       7.2       8.3       10.5       144         291.1       325.1       366.5       410.9       498.8       27.8       31.4       35.6       40.5       49.9       262         31.5       38.4       46.0       54.1       70.3       1.7       3.5       4.2       5.0       5.3       148         10.0       11.5       13.4       15.3       19.2       1.2       1.1       1.3       1.5       148         8.1       9.5       11.0       12.7       16.1       0.8       0.8       1.0       1.1       1.5       275         14.1       14.5       14.9       15.2       19.0       1.1       1.0       1.1       1.3       1.7       213         11.9       13.7       15.7       17.8       22.1       1.0       1.1       1.1       1.1       1.2       1.4       1.6       2.0       230         54.2       58.0       58.4       74.9       5.6       6.5<	32.8       36.6       41.9       47.7       59.0       2.8       3.3       3.9       4.5       5.9         60.8       69.6       79.4       90.0       110.9       3.2       6.3       7.2       8.3       10.5         291.1       325.1       366.5       410.9       498.8       27.8       31.4       35.6       40.5       49.9         31.5       38.4       46.0       54.1       70.3       1.7       3.5       40.5       49.9         31.5       38.4       46.0       54.1       70.3       1.7       3.5       40.5       49.9         31.5       38.4       46.0       54.1       70.3       1.7       3.5       40.5       49.9         31.0       11.2       1.7       3.5       4.2       5.0       5.3         41.1       14.1       14.5       14.9       15.2       19.0       1.1       1.1       1.3       1.7         11.9       13.7       15.7       17.8       22.1       1.0       1.1       1.3       1.4       1.6       2.0         54.2       58.0       65.9       74.5       91.9       44.5       54.2       62.2       71.2 <td>Total</td> <td>213.9</td> <td>287.7</td> <td>457.8</td> <td>579.9</td> <td>821.0</td> <td>14.0</td> <td>22.1</td> <td>38.4</td> <td>50.4</td> <td>73.8</td> <td>180</td> <td>211</td> <td>230</td> <td>238</td> <td>246</td>	Total	213.9	287.7	457.8	579.9	821.0	14.0	22.1	38.4	50.4	73.8	180	211	230	238	246
32.8         36.6         41.9         47.7         59.0         2.8         3.3         3.9         4.5         5.9         231           60.8         69.6         79.4         90.0         110.9         3.2         6.3         7.2         8.3         10.5         144           291.1         325.1         366.5         410.9         498.8         27.8         31.4         35.6         40.5         49.9         262           31.5         38.4         46.0         54.1         70.3         1.7         3.5         4.2         5.0         5.3         148           10.0         11.5         13.4         15.3         19.2         1.1         1.3         1.5         1.9           14.1         14.5         14.9         15.2         19.0         1.1         1.1         1.3         1.5         275           11.9         13.7         15.7         17.8         22.1         1.0         1.1         1.3         1.7         230           54.2         61.8         70.6         79.9         98.5         4.9         5.6         6.5         7.4         9.9         247           57.9         27.9         262.8	32.8         36.6         41.9         47.7         59.0         2.8         3.3         3.9         4.5         5.9           60.8         69.6         79.4         90.0         110.9         3.2         6.3         7.2         8.3         10.5           291.1         325.1         366.5         410.9         498.8         27.8         31.4         35.6         40.5         49.9           31.5         38.4         46.0         54.1         70.3         1.7         3.5         4.2         5.0         5.3           10.0         11.5         13.4         15.3         19.2         1.2         1.1         1.3         1.5         1.9           8.1         9.5         11.0         12.7         16.1         0.8         0.8         1.0         1.1         1.5         1.9           11.9         13.7         15.2         19.0         1.1         1.0         1.1         1.3         1.7           54.2         61.8         70.6         79.9         98.5         4.9         5.6         6.5         7.4         9.9           44.5         54.5         54.2         52.2         71.2         88.6	5. Qazvin Plan															
60.8 69.6 79.4 90.0 110.9 3.2 6.3 7.2 8.3 10.5 144  291.1 325.1 366.5 410.9 498.8 27.8 31.4 35.6 40.5 49.9 262 31.5 38.4 46.0 54.1 70.3 1.7 3.5 4.2 5.0 5.3 148  10.0 11.5 13.4 15.3 19.2 1.1 1.1 1.3 1.5 1.9 31.6  8.1 9.5 11.0 12.7 16.1 0.8 0.8 1.0 1.1 1.3 1.7 213  11.9 13.7 15.7 15.8 22.1 1.0 1.1 1.3 1.5 273  54.2 61.8 70.6 79.9 98.5 4.9 5.6 6.5 7.4 9.9 247  10.1 12 13.0 12.7 12.8 13.0 12.7 12.3 11.5 10.3  11.4 854.6 97.3 10.4 1 15.6 5.7 11.2 13.0 12.7 12.3 11.5 10.3	60.8         69.6         79.4         90.0         110.9         3.2         6.3         7.2         8.3         10.5           291.1         325.1         366.5         410.9         498.8         27.8         31.4         35.6         40.5         49.9           31.5         38.4         46.0         54.1         70.3         1.7         3.5         4.2         5.0         5.3           10.0         11.5         13.4         15.3         19.2         1.2         1.1         1.3         1.5         1.9           14.1         14.5         14.9         15.2         19.0         1.1         1.1         1.3         1.5         1.9           11.9         13.7         15.7         17.8         22.1         1.0         1.1         1.3         1.7           54.2         61.8         70.6         79.9         98.5         4.9         5.6         6.5         7.4         9.9           44.5         580.7         65.9         74.3         11.2         11.2         12.5         11.5           297.9         267.9         267.8         241.7         13.0         12.7         12.5         11.5 <td< td=""><td>(1) Abyek</td><td>32.8</td><td>36.6</td><td>41.9</td><td>47.7</td><td>29.0</td><td>2.8</td><td>3.3</td><td>3.9</td><td>4.5</td><td>5.9</td><td>231</td><td>245</td><td>252</td><td>260</td><td>274</td></td<>	(1) Abyek	32.8	36.6	41.9	47.7	29.0	2.8	3.3	3.9	4.5	5.9	231	245	252	260	274
291.1 325.1 366.5 410.9 498.8 27.8 31.4 35.6 40.5 49.9 262 31.5 38.4 46.0 54.1 70.3 1.7 3.5 4.2 5.0 5.3 148 10.0 11.5 13.4 15.3 19.2 1.1 1.3 1.5 1.9 316 14.1 14.5 11.0 12.7 16.1 0.8 0.8 1.0 1.1 1.3 1.7 213 11.9 13.7 15.7 17.8 22.1 1.0 1.1 1.4 1.6 2.0 230 54.2 61.8 70.6 79.9 98.5 4.9 5.6 6.5 7.4 9.9 247 297.9 273.9 267.9 262.8 241.7 11.2 13.0 12.7 12.5 11.5 103	291.1       325.1       366.5       410.9       498.8       27.8       31.4       35.6       40.5       49.9         31.5       38.4       46.0       54.1       70.3       1.7       3.5       4.2       5.0       5.3         10.0       11.5       13.4       15.3       19.2       1.2       1.1       1.3       1.5       1.9         14.1       14.5       14.9       15.2       19.0       1.1       1.1       1.3       1.5       1.0         11.9       13.7       15.2       19.0       1.1       1.0       1.1       1.3       1.7         54.2       61.8       70.6       79.9       98.5       4.9       5.6       6.5       7.4       9.9         44.5       580.7       659.4       743.6       913.9       44.5       54.2       62.2       71.2       88.6         441.       812.4       854.6       927.3       1,006.4       1,155.6       55.7       67.2       74.9       88.7       100.1	Alvand	8.09	9.69	79.4	90.0	110.9	3.2	6.3	7.2	8.3	10.5	144	247	250	253	259
31.5   38.4   46.0   54.1   70.3   1.7   3.5   4.2   5.0   5.3   148   19.0   11.5   13.4   15.3   19.2   1.2   1.1   1.3   1.5   1.9   316   14.1   14.5   14.9   15.2   19.0   1.1   1.0   1.1   1.3   1.5   275   17.9   13.7   15.7   17.8   22.1   1.0   1.2   1.4   1.6   2.0   230   247   254.2   61.8   70.6   79.9   98.5   4.9   5.6   6.5   7.4   9.9   247   29.7   273.9   262.8   241.7   11.2   13.0   12.7   12.5   11.5   103   237   24	31.5   38.4   46.0   54.1   70.3   1.7   3.5   4.2   5.0   5.3   10.0   11.5   13.4   15.3   19.2   1.2   1.1   1.3   1.5   1.9   1.1   1.1   1.3   1.5   1.9   1.1   1.1   1.1   1.1   1.3   1.5   1.9   1.1   1.1   1.1   1.1   1.3   1.7   1.1   1.1   1.1   1.1   1.3   1.7   1.1   1.1   1.1   1.1   1.3   1.7   1.1   1.1   1.0   1.1   1.1   1.3   1.7   1.1   1.3   1.7   1.1   1.1   1.1   1.1   1.3   1.7   1.1   1.3   1.7   1.1   1.3   1.7   1.1   1.3   1.7   1.1   1.3   1.7   1.1   1.3   1.7   1.1   1.3   1.3	Qazvin	291.1	325.1	366.5	410.9	498.8	27.8	31.4	35.6	40.5	49.9	262	265	592	270	274
10.0 11.5 13.4 15.3 19.2 1.1 1.3 1.5 1.9 316 8.1 9.5 11.0 12.7 16.1 6.8 6.8 1.0 1.1 1.3 275 14.1 14.5 14.9 15.2 19.0 1.1 1.0 1.1 1.3 1.7 213 11.9 13.7 15.7 17.8 22.1 1.0 1.2 1.4 1.6 2.0 230 54.2 61.8 70.6 79.9 98.5 4.9 5.6 6.5 7.4 9.9 247 297.9 273.9 262.8 241.7 11.2 13.0 12.7 12.8 8.6 237 11.4 854.6 6773 1.04.1 15.5 573 1.04 11.5 11.5 11.5 11.5 11.5 11.5	10.0   11.5   13.4   15.3   19.2   1.1   1.3   1.5   1.9   1.9   1.5   1.9   1.5   1.9   1.5   1.9   1.1   1.3   1.5   1.9   1.1   1.1   1.1   1.3   1.5   1.9   1.1   1.0   1.1   1.1   1.1   1.3   1.7   1.1   1.0   1.1   1.1   1.3   1.7   1.1   1.0   1.1   1.1   1.3   1.7   1.1   1.0   1.1   1.1   1.3   1.7   1.1   1.1   1.0   1.1   1.1   1.3   1.7   1.1   1.3   1.7   1.1   1.3   1.7   1.1   1.3   1.7   1.1   1.3   1.7   1.1   1.3   1.7   1.1   1.3   1.7   1.1   1.3   1.1   1.3   1.1   1.3   1.1   1.3   1.1   1.3   1.1   1.3   1.1   1.3   1.1   1.3   1.1   1.3   1.1   1.3   1.1   1.3   1.1   1.3   1.1   1.3   1.1   1.3   1.1   1.3	Eqbalieh	31.5	38.4	46.0	54.1	70.3	1.7	3.5	4.2	5.0	5.3	148	247	251	256	205
8.1 9.5 11.0 12.7 16.1 0.8 0.8 1.0 1.1 1.5 275 14.1 14.5 14.9 15.2 19.0 1.1 1.0 1.1 1.3 1.7 213 11.9 13.7 15.7 17.8 22.1 1.0 1.2 1.4 1.6 2.0 230 54.2 61.8 70.6 79.9 98.5 4.9 5.6 6.5 7.4 9.9 247  total 514.5 580.7 659.4 743.6 913.9 44.5 54.2 62.2 71.2 88.6 237 297.9 273.9 262.8 241.7 11.2 13.0 12.7 12.5 11.5 103	8.1   9.5   11.0   12.7   16.1   0.8   0.8   1.0   1.1   1.5     14.1   14.5   14.9   15.2   19.0   1.1   1.0   1.1   1.3   1.7     11.9   13.7   15.7   17.8   22.1   1.0   1.2   1.4   1.6   2.0     54.2   61.8   70.6   79.9   98.5   4.9   5.6   6.5   7.4   9.9     44.5   54.2   62.2   71.2   88.6     54.5   580.7   659.4   743.6   913.9   44.5   54.2   62.2   71.2   88.6     54.5   580.7   659.4   743.6   913.9   44.5   54.2   62.2   71.2   88.6     54.5   580.7   659.4   743.6   11.5   12.5   11.5     54.5   580.7   659.4   743.6   11.55.6   55.7   67.2   74.9   83.7   100.1	Buin	10.0	11.5	13.4	15.3	19.2	1.2	1.1	1.3	1.5	1.9	316	260	263	267	273
14.1   14.5   14.9   15.2   19.0   1.1   1.0   1.1   1.3   1.7   213   1.1   11.9   13.7   15.7   17.8   22.1   1.0   1.2   1.4   1.6   2.0   230   247   254.2   61.8   70.6   79.9   98.5   4.9   5.6   6.5   7.4   9.9   247	14.1         14.5         14.9         15.2         19.0         1.1         1.0         1.1         1.3         1.7           11.9         13.7         15.7         17.8         22.1         1.0         1.2         1.4         1.6         2.0           54.2         61.8         70.6         79.9         98.5         4.9         5.6         6.5         7.4         9.9           rotal         514.5         580.7         659.4         743.6         913.9         44.5         54.2         62.2         71.2         88.6           297.9         267.9         267.8         241.7         11.2         13.0         12.7         12.5         11.5           ital         812.4         854.6         927.3         1,006.4         1,155.6         55.7         67.2         74.9         83.7         100.1	Danesfahan	8.1	9.5	11.0	12.7	16.1	8.0	8.0	1.0	1.1	1.5	275	234	238	242	247
total 51.9 13.7 15.7 17.8 22.1 1.0 1.2 1.4 1.6 2.0 230 247	total 51.9 13.7 15.7 17.8 22.1 1.0 1.2 1.4 1.6 2.0   54.2 61.8 70.6 79.9 98.5 4.9 5.6 6.5 7.4 9.9   514.5 580.7 659.4 743.6 913.9 44.5 54.2 62.2 71.2 88.6   527.9 273.9 267.9 262.8 241.7 11.2 13.0 12.7 12.5 11.5   tal 812.4 854.6 927.3 1,006.4 1,155.6 55.7 67.2 74.9 83.7 100.1	Shal	14.1	14.5	14.9	15.2	19.0	1.1	1.0	1.1	1.3	1.7	213	185	211	238	244
total 514.5 580.7 659.4 743.6 913.9 44.5 54.2 62.2 71.2 88.6 237 297.9 273.9 267.9 267.8 241.7 11.2 13.0 12.7 12.5 11.5 103	total 514.2 61.8 70.6 79.9 98.5 4.9 5.6 6.5 7.4 9.9 (c) 41.5 514.5 580.7 659.4 743.6 913.9 44.5 54.2 62.2 71.2 88.6 (c) 297.9 273.9 267.9 267.8 241.7 11.2 13.0 12.7 12.5 11.5 (c) 12.1 12.1 13.0 12.7 12.5 11.5 (c) 12.1 13.0 12.7 12.5 13.0 (c) 12.1 13.0 13.1 13.0 (c) 13.1 13.1 13.1 13.1 13.1 13.1 13.1 13.	Esfarvarin	11.9	13.7	15.7	17.8	22.1	1.0	1.2	1.4	1.6	2.0	230	238	241	244	250
total 514.5 580.7 659.4 743.6 913.9 44.5 54.2 62.2 71.2 88.6 237 297.9 273.9 267.9 262.8 241.7 11.2 13.0 12.7 12.5 11.5 103 103 1041 13.5 13.6 12.7 12.5 11.5 103 103 1041 13.5 13.6 12.7 12.5 10.8 10.8 10.8 10.8 10.8 10.8 10.8 10.8	total         514.5         580.7         659.4         743.6         913.9         44.5         54.2         62.2         71.2         88.6           297.9         273.9         267.9         262.8         241.7         11.2         13.0         12.7         12.5         11.5           ital         812.4         854.6         927.3         1,006.4         1,155.6         55.7         67.2         74.9         83.7         100.1	Takestan	54.2	61.8	20.6	79.9	98.5	4.9	5.6	6.5	7.4	6.6	247	248	251	254	274
49 817.4 854.6 927.3 1 000.4 1 155.6 55.7 57.3 54.0 52.7 50.0 1.5 10.3	297.9         273.9         267.9         262.8         241.7         11.2         13.0         12.7         12.5         11.5           stal         812.4         854.6         927.3         1,006.4         1,155.6         55.7         67.2         74.9         83.7         100.1	Sub-total	514.5	580.7	659.4	743.6	913.9	44.5	54.2	62.2	71.2	9.88	237	255	258	263	265
817.4 854.6 977.3 1.006.4 1.15.5 5.7 5.7 5.4 5.4 5.0 5.4 5.0 5.4 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	812.4 854.6 927.3 1,006.4 1,155.6 55.7 67.2 74.9 83.7 100.1	(2) Rural Area	297.9	273.9	267.9	262.8	241.7	11.2	13.0	12.7	12.5	11.5	103	130	130	130	130
012.4 034.0 927.3 1,000.4 1,155.6 07.2 74.9 83.7 100.1 188		Total	812.4	854.6	927.3	1,006.4	1,155.6	55.7	67.2	74.9	83.7	100.1	188	215	221	228	237
1,449.1 1,565.0 1,831.9 312	13,102.1 14,507.8 17,365.3 1,160.5 1,282.6 1,449.1 1,565.0 1,831.9	Ground Total	10,188.3	11,745.3	13,102.1	14,507.8	17,365.3	1,160.5	1,282.6	1,449.1	1,565.0	1,831.9	312	299	303	296	289

Table 4.1.2 Population, Water Demand Projection and Percapt Demand in Tehran City

	1976	1986	1891	1992	1993	1994	1995	1996	1997	1998 1	1999	2000	2001	2006	2011	2016	2021
Population	4,530,223	6,042,584	6,475,527				4	6,758,800	<u>:</u>   				-				
Estimated Population											7,38	7,331,209 7,4	7,492,300 8;	8,286,700	9,137,100	9,972,400	10,725,300
Coverage (%)						95.00								**********		descone.	
Total Connection			715,930		714,578	742,860	785,479		+				-zwiniu	*****	P 187121.		
Raw Water Intake (MCM)			681.13	713.77	745.04	764.89	809.76	870	878	915	907		907.92	1,019,26	1,080.55		1,233.14
Total Production(MCM)		512.70	648.63	683.22	720.29	738.20	776.28	842.39	846.53 8	886.16 88	885.41	_		3557454	140119		
Total Consumption(MCM)		442	484		492	505					591		V Page		OBIH.	ımı	
Raw Water Per capita (Icd)	Albania de la compansa de la compans												332	337	324	ce <del>rrad Ma</del> le	315
Total Production (lod)		274.00	288.00		298.00	321.00		353						S. PARIS	p op cycle	(*************************************	
Total Consumption (Icd)		0.00	00.00										enen)	10.00			
Domestic Use(Icd)		120.00	129.00		153.00	161.00											
Others (lod)		80.00	76.00		44.00	51.00								·>		-manus	
Leakage & Others Loss (Icd)		74.00	83.00		101.00	109.00								211-97 22	1111777		
Popu	Population Projection					Water Dema	Water Demand Projection (KCM)	on (KCM)				i	log I	lcd Projection in Tehran	in Tehran		
19 800 880					I	-Raw Water Intake (MCM)	Ş			3		400 morrows					2000
						K Total Production(MCM)				3888							
10,000,000	5	9		- +		錄形 (Total Dandurfice(MCM))				**************************************		000			٠	•	*
8,000,000				- •		ODDO NOT THE PROPERTY OF THE P						260	8				
(KCM)				(MCM)	008	•				108888	bol	200					
√ound 4.00mm					009					3000000		99			IT.		gan a
2,000,000					400						<del></del>	<u> </u>					use derib
64 24 93 83	61 61 61 61 61 61 61 61		1		9/	16 66 18 98	56 76 10	9 9 9		\$1 12888	· · · · · · · · · · · · · · · · · · ·	> * <sub>6</sub> ,	0661 4861	66 66 66 66 66 66 66 66 66 66 66 66 66	500s	140	
761 861 861 861 861	006 007 008 661 661 661	<b>500</b>	202		161	1861 1861 1861 1861 1861	561 561 >	200 200	-	505				Year			
	Year		_	_			Lear			-	-						

The data after 1996 are from the Master Plan and the rest are from the Tehran Water and Sewage Company. The projection of population is rather high as shown above. The previos rate is 1.1 % and the adopted rate is 1.8 %.

\$000 \$000 \$000 \$000 \$100

Table 4.1.3 Population, Water Demand Prject and Percapt Demand in Karaj Bozor

	1976	1983	1985	1986	1991	1993	1994	1996	2001	2006	2011	2016	2021
Total Population		363,332		450,429	799,990	945,880	892,019	941,000					
Estimated Population					· " 7.				1,045,900	1,173,000	1,308,900	1,450,400	1,578,800
Coverage (%)				444		:	90				an in		
Total Connection			26,700	41	86,000		100,524			2.9102	n Danie		
Demand Projection								92.05	102.69	115.60	129.95	A4	157.90
Total Production(MCM)		26.37		43.93	64.21	64.38	75.00						
Total Consumption(MCM)		21.15		34.44	48.80	50.22	56.25			Hauses		A- 01- /	
Domestic Use(MCM)		16.71		27.46	40.00	44.54	44.93			AT 84 S. I			
Others (MCM)		4.51		6.91	8.76	5.52	11.40						
Leakage(MCM)		2.00		9.54	15.48	14.16	18.56					Market Promise - Market II de a marche Von Commen	
Total Production(lcd)	į	199	i	267	220	186	230	268	269	270	272		274
Total Consumption(lcd)		160		209	167	145	173						
Domestic Use(Icd))		126		167	137	129	138						
Others (Icd)		34		42	30	16	35						'
Leakage(lcd)		39		58	53	41	57						

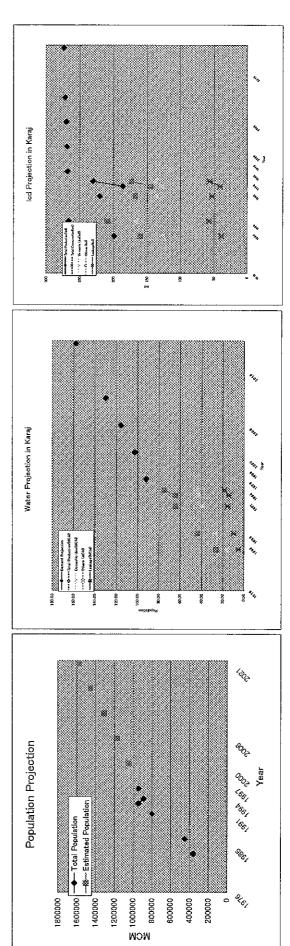
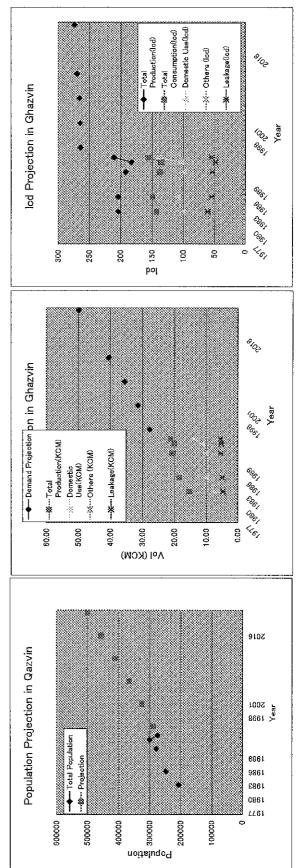


Table 4.1.4 Population, Water Demand Prject and Percapt Demand in Qazvin City

	1983	1985	1986	1991	1993	1994	1996	2001	2006	2011	2016	2021
Total Population	207,912		248,591	278,826	301,411	274975					4422	
Projection			v d.			ZARO VO V	288,627	325109	366527	410861	5E+05	498805
Coverage (%)	7166204-7					98		er-Min				
Total Connection	The state of the s	35,152		·		44789		zmettik				
Demand Projection			H				27.81	31.45	35.59	40.49		49.89
Total Production(KCM)	15.46		18.50	20.58	20.15	21.18		, m. c				
Total Consumption(KCM)	10.82		13.51	15.02	14.91	15.67						ree made
Domestic Use(KCM)	7.67		9.98	10.18	11.44	14.15	maa Baar					
Others (KCM)	3.19		3.54	3.87	3.41	1.51			e in each		Wilder.	
Leakage(KCM)	4.63		4.99	5.50	5.28	5.52		T. C.			4.11	
Total Production(Icd)	204		204	192	183	211	264	265	266	270		274
Total Consumption(Icd)	143		149	138	135	156						! (
Domestic Use(Icd)	101		110	100	104	141						
Others (Icd)	42		39	38	31	15	-co-/stall					
Leakage(Icd)	61		55	54	48	55	440.634					
Population Projection in Qazvin	ection in Q	azvin		†	- Demand Projec	→ Demand Projection pn in Ghazvin	nazvin			P Pol	lcd Projection in Ghazvin	in Ghaz
000000				90.09					i i	4		



Population, Water Demand Prject and Percapt Demand in Tehran Rural Area **Table 4.1.5** 

		1983	1993	1994	1996	1996	2001	2006	2011	2016	2021
Area					A. S						
	Population	557,735	497,950	80,708	624,512	624,500	503,600	45,400	404,900	429,800	463,300
ίτy	Ground Water	99.00	00.66	90.00	90.00		56.00	00.09	63.00		06'66
นทเ	Surface Water	1.00	1.00	10.00	10.00		44.00	40.00	37.00	, , , , , , , , , , , , , , , , , , ,	0.10
uui	Total Production(Rural)	26.46	25.45	42.72	33.05	21.36	15.26	13.75	12.27		14.04
90											
rus	Total Consumption(Rural)						22,887	20,905	18,893	20,314	22,455
ıЯ	Total Consumption	130	140	145	145						
	Unaccountable						7,629	6,602	5,643	5,729	5,614
ls	Ground Water	70.00	70.00	52.00	53.00						
stri se	Surface Water	30.00	30.00	48.00	47.00						
np.	Total Production(Industry)					49.77	54.28	59.17	64.22		73.37
ij	Consumption										
	Population	0	0	0	202,000	-	583,800	662,900	739,900	838,600	919,500
	Ground Water				100.00					-	440
Λ:	Surface Water		2222		0.00						
CH	Total Production(New City)		DOLFMAN		11.06	00.00	27.20	30.37	33.89		37.54
wəļ					150	7-84					
1	Total Consumption(New City)										
	Consumption per Capita							2.240			
	Unaccountable						<b>-</b> /-/28v				

Population, Water Demand Prject and Percapt Demand in Karaj Rural Area **Table 4.1.6** 

		1983	1	1993	1994	1996	1996	2001	2006	2011	2016	2021
Area	23								<u> </u>			
٨	i								<u> 214.</u> 214.			
hin	Ground Water											
ınu	_				50° LL 5'.							
uwo						And the second s	21.36	15.26	13.75	12.27		14.04
PO I												
e.			<b>₩</b>						-3			
ını	Total Consumption		<u> Passis</u>		A							
H	Unaccountable											
si	Ground Water		<u>Galleria</u>									
nta es	Surface Water		( North Co.									
np np	를 그 Total Production(Industry)						199.08	219.13	236.69	256.87		293.48
սլ	Consumption											
	Population											
	Ground Water											
£λ												
C!	Total Production(New City)						0.00	26.74	30.37	33.89		42.12
Mə												
N	Total Consumption(New City)											
	Consumption per Capita											
	Unaccountable		www.	:			1 C			1000		

Population, Water Demand Prject and Percapt Demand in Hashtgerd Rural Area **Table 4.1.7** 

		1983	1993	1994	1996	1996	2001	2006	2011	2016	2021
Area											
	Population	989'96	121,400	110,084	112,065	112,065	103,958	104,165	104,906	104,617	102,648
ίtγ	Ground Water	100.00	100.00	100.00	100.00	<u> </u>	99.50	99.80	99.80	Manada - 799	99.90
unı	Surface Water	0.00	00.0	0.00	0.00		0.50	0.20	0.20		0.10
աա	Total Production(Rural)	3,529.00	5,095.00	4,822.00	4,908.00	4.82	5.27	5.29	5.32	5.31	5.21
°0						118	139	139	139	139	139
ıral	Total Consumption(Rural)		osspins				3,955	4,017	4,098	4,140	4,166
אי	Total Consumption		115	120	120						
	Unaccountable		<u> </u>				1	1,268	1,224	1,168	1,042
Je	Ground Water		100.00	73.00	91.00				200		
irjs se	Surface Water		00.0	27.00	9.00					VICTORIA TO	
inpi	Total Production(Industrial)	00.00	3.00	179.00	565.00	0.18	10.00	18.92	26.95	34.04	43.01
4	Consumption (Industrial)										
	Population	0	0	0	0	0	<u> </u>				***************************************
	Ground Water					ouris ideal					
Λq	Surface Water										
iO w	Total Production(New City)	00.00	00.00	00.00	00:00	0.00	1.21	1.43	1.67		1.83
ъΝ	Total Canamantion (Now Oit.)				19 M M M M M M M M M M M M M M M M M M M						
	Total Collegiille Collegiille										
	Consumption per Capita(New City)	(%									
	Unaccountable		¥ 50-2	_							

Population, Water Demand Prject and Percapt Demand in Ghazvin Rural Area **Table 4.1.8** 

		1983	1993	1994	1996	1996	2001	2006	2011	2016	2021
Area											
	Population	319,017	298,925	294,640	297,914	297,914	273,872	267,940	262,765	254,088	241,692
ζŢ	Ground Water	100.00	100.00	100.00	100.00	عند ال	92.00	96.00	97.00		98.00
unt	Surface Water	00'0	0.00	00.0	00.0		8.00	4.00	3.00		2.00
uu	Total Production( Rural)	11.64	11.13	11.19	11.31	11.19	13.00	12.71	12.47	12.06	11.47
ഠ						103	130	130	130	130	130
ıral	Total Consumption(Rural)		.								
'ਖ —		100	102	104	104						
	Unaccountable										
le	Ground Water	100.00	100,00	64.00	77.00						
inta se	Surface Water	00.0	00'0	36.00	23.00						
	Total Production(Industrial)	20,218.00	35,477.00	4,502.00	7,012.00	4.50	21.25	37.16	50.72	61.33	74.75
11	Consumption (Industrial)						<u> </u>				
	Population					0	38,900	43,200	47,600	53,800	59,100
	Ground Water										
ΛΞ	Surface Water					i					
Cit	Total Production					0.00	2.77	3.08	3.39	3.83	4.21
wəl			govern on				195	195	195	195	195
<b>1</b>	Total Consumption (New City)						2,104	2,368	2,643	3,063	3,449
	Consumption per Capita(New City)	ity)	, com				1				
	Unaccountable						1	707	745	766	757