

Appendix

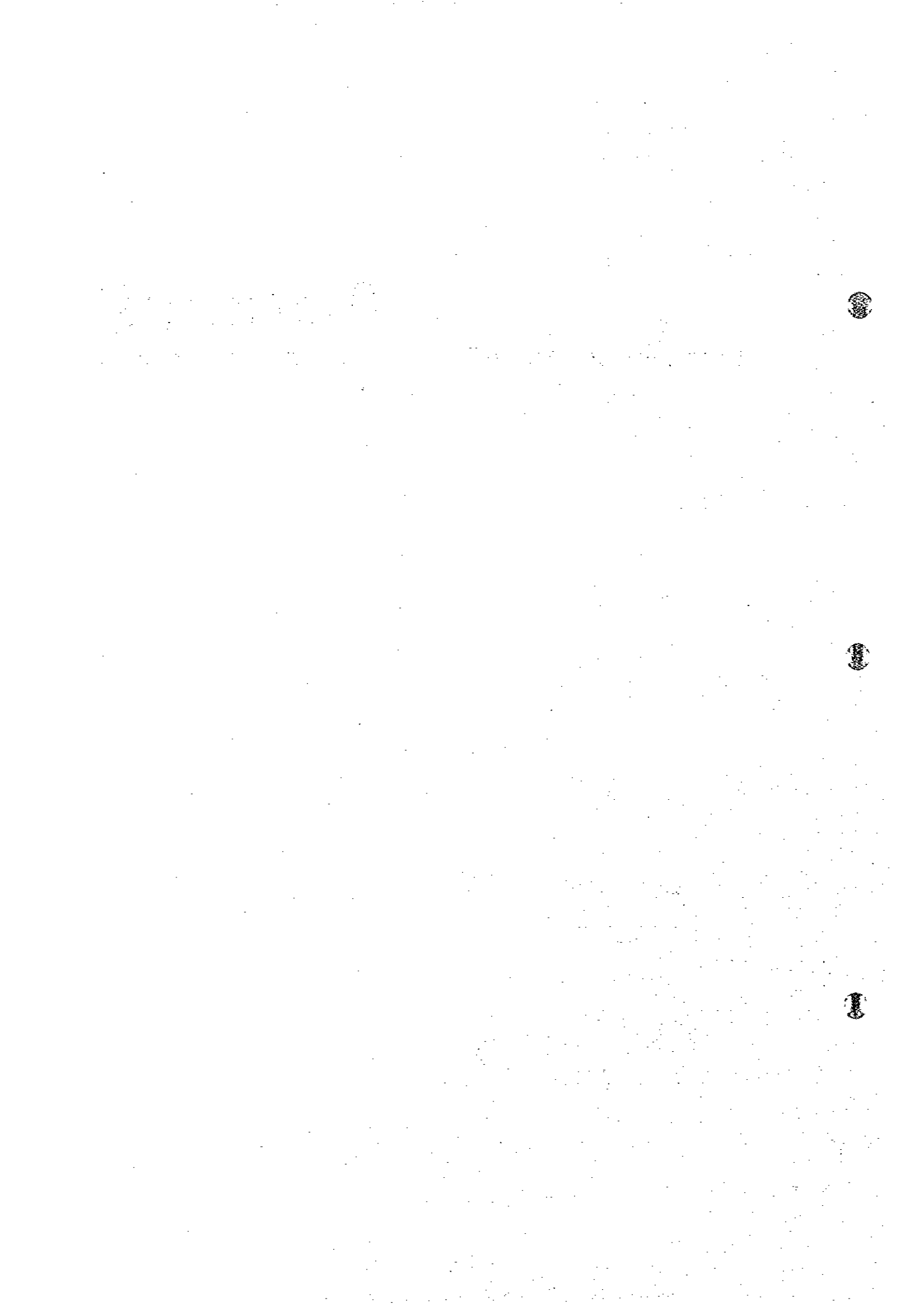


Table A-1 Estimate of Revenue from Development Levy

Revenue (million Tsh.)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	140.5	556.5	890.4	1424.6	2279.4	3647.1	4168.6	4693.9	5285.3	5951.2	6701.1	7545.4
Moderate Scenario	140.5	556.5	779.1	1090.7	1527.0	2137.9	2993.0	4190.2	5288.0	5954.3	6704.5	7549.3
Pessimistic Scenario	140.5	556.5	667.8	801.4	961.6	1154.0	1384.8	1661.7	1994.0	2392.8	2871.4	3445.7
Potential	3075.5	2880.4	3243.3	3652.0	4112.1	4630.3	5213.7	5870.6	6610.3	7443.2	8381.0	9437.0

Growth Ratio to the Previous Year (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	n.r.	396.1	160.0	160.0	160.0	160.0	114.3	112.6	112.6	112.6	112.6	112.6
Moderate Scenario	n.r.	396.1	140.0	140.0	140.0	140.0	140.0	140.0	126.2	112.6	112.6	112.6
Pessimistic Scenario	n.r.	396.1	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Potential	n.r.	93.7	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6

Achievement Ratio to the Potential (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	4.6	19.3	27.5	39.0	55.4	78.8	80.0	80.0	80.0	80.0	80.0	80.0
Moderate Scenario	4.6	19.3	24.0	29.9	37.1	46.2	57.4	71.4	80.0	80.0	80.0	80.0
Pessimistic Scenario	4.6	19.3	20.6	21.9	23.4	24.9	26.6	28.3	30.2	32.1	34.3	36.5
Potential	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Figure A-1 Estimate of Revenue from Development Levy

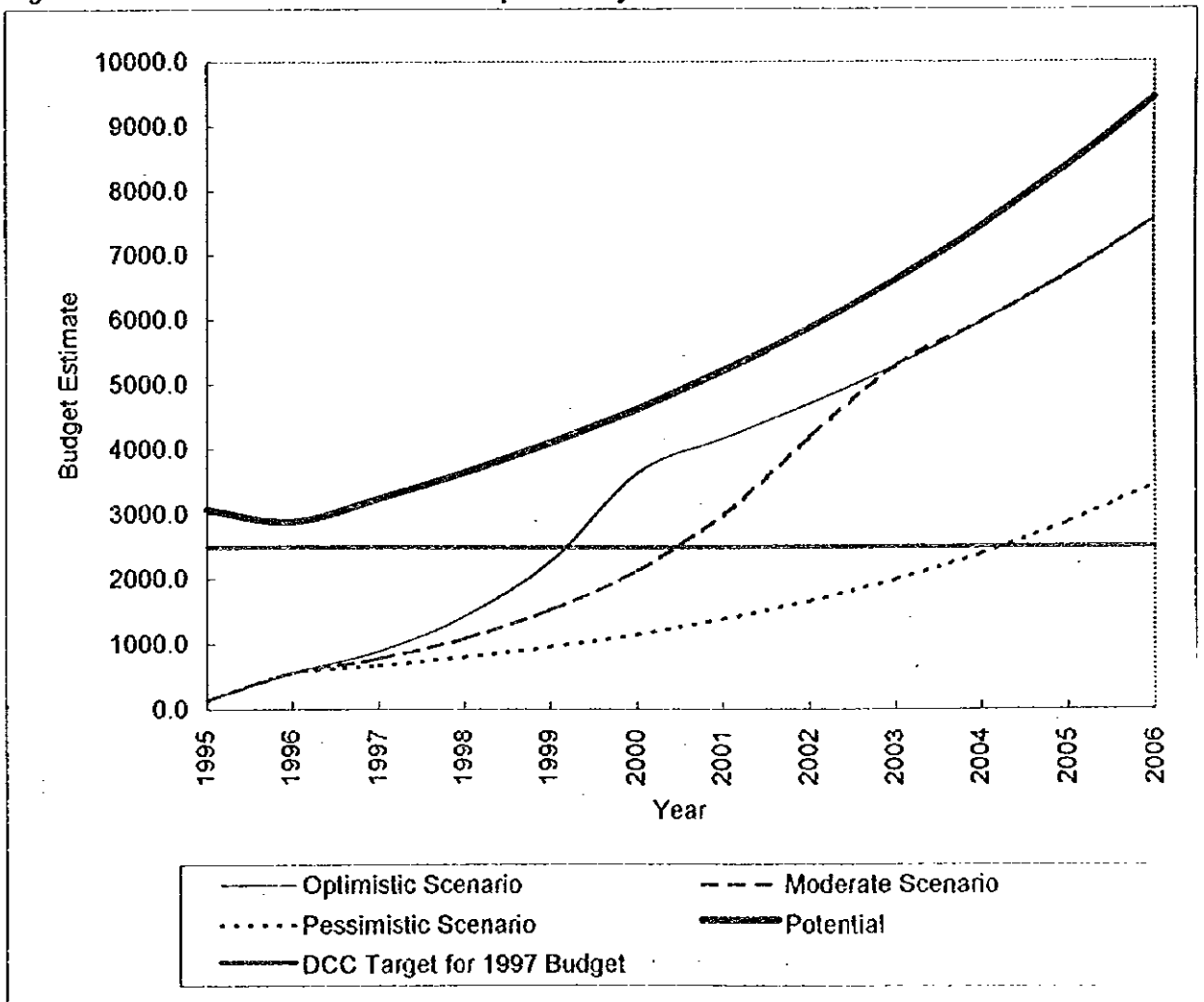


Table A-2 Estimate of Revenue from Property Tax

Revenue (million Tsh.)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	60.1	559.5	895.2	1432.3	2291.7	3196.9	3599.8	4053.3	4564.0	5139.1	5786.6	6515.8
Moderate Scenario	60.1	559.5	783.3	1096.6	1535.3	2149.4	3009.1	4053.3	4564.0	5139.1	5786.6	6515.7
Pessimistic Scenario	60.1	559.5	671.4	805.7	966.8	1160.2	1392.2	1670.7	2004.8	2405.7	2886.9	3464.3
Potential	1600.0	2400.0	2800.0	3152.8	3550.0	3997.3	4501.0	5068.1	5706.7	6425.7	7235.3	8146.9

Growth Ratio to the Previous Year (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	n.r.	930.9	160.0	160.0	160.0	139.5	112.6	112.6	112.6	112.6	112.6	112.6
Moderate Scenario	n.r.	930.9	140.0	140.0	140.0	140.0	140.0	134.7	112.6	112.6	112.6	112.6
Pessimistic Scenario	n.r.	930.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Potential	n.r.	150.0	116.7	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6

Achievement Ratio to the Potential (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	3.8	23.3	32.0	45.4	64.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0
Moderate Scenario	3.8	23.3	28.0	34.8	43.2	53.8	66.9	80.0	80.0	80.0	80.0	80.0
Pessimistic Scenario	3.8	23.3	24.0	25.6	27.2	29.0	30.9	33.0	35.1	37.4	39.9	42.5
Potential	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Figure A-2 Estimate of Revenue from Property Tax

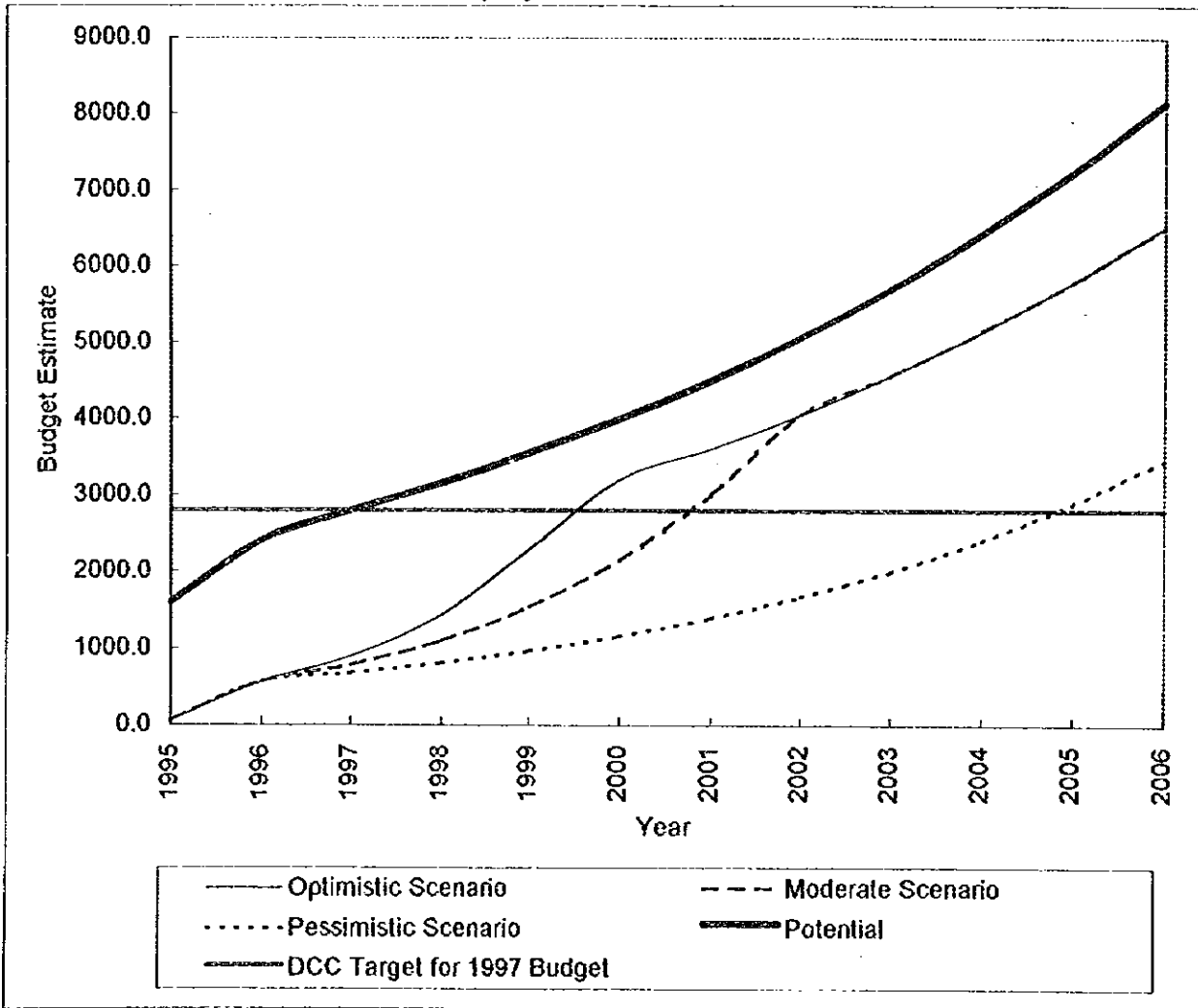


Table A-3 Estimate of Revenue from Petrol Levy

Revenue (million Tsh.)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	100.0	0.0	561.4	954.4	1622.4	2758.2	3227.0	3633.7	4091.5	4607.0	5187.5	5841.1
Moderate Scenario	100.0	0.0	374.3	561.5	842.2	1263.3	1894.9	2842.3	4090.1	4605.5	5185.8	5839.2
Pessimistic Scenario	100.0	0.0	187.1	243.2	316.2	411.1	534.4	694.7	903.1	1174.0	1526.2	1984.1
Potential	1697.4	1782.3	2006.9	2259.8	2544.5	2865.1	3226.1	3632.6	4090.3	4605.7	5186.0	5839.4

Growth Ratio to the Previous Year (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	n.r.	0.0	0.0	170.0	170.0	170.0	117.0	112.6	112.6	112.6	112.6	112.6
Moderate Scenario	n.r.	0.0	0.0	150.0	150.0	150.0	150.0	150.0	143.9	112.6	112.6	112.6
Pessimistic Scenario	n.r.	0.0	0.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
Potential	n.r.	105.0	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6

Achievement Ratio to the Potential (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	5.9	0.0	28.0	42.2	63.8	96.3	100.0	100.0	100.0	100.0	100.0	100.0
Moderate Scenario	5.9	0.0	18.7	24.8	33.1	44.1	58.7	78.2	100.0	100.0	100.0	100.0
Pessimistic Scenario	5.9	0.0	9.3	10.8	12.4	14.3	16.6	19.1	22.1	25.5	29.4	34.0
Potential	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Figure A-3 Estimate of Revenue from Petrol Levy

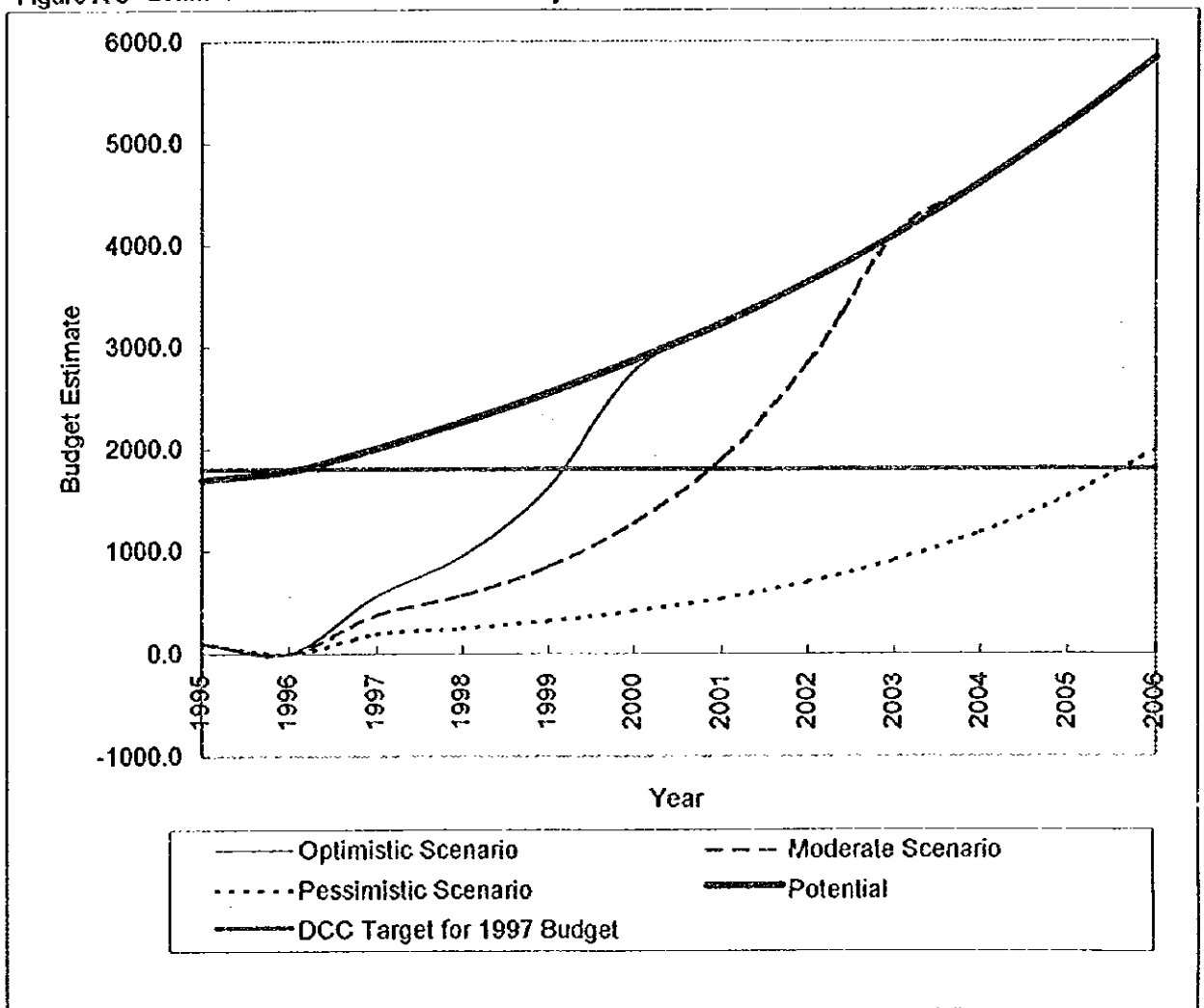


Table A-4 Estimate of Revenue from Service Levy

Revenue (million Tsh.)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	191.4	353.1	600.3	1020.5	1734.8	2949.1	4945.7	5568.8	6270.5	7060.6	7950.2	8952.0
Moderate Scenario	191.4	353.1	529.7	794.5	1191.7	1787.6	2681.4	4022.0	6033.0	7064.7	7954.8	8957.2
Pessimistic Scenario	191.4	353.1	459.0	596.7	775.8	1008.5	1311.0	1704.3	2215.7	2880.3	3744.4	4867.8
Potential	3254.0	3416.7	3847.2	4331.9	4877.7	5492.3	6184.3	6963.5	7840.9	8828.9	9941.3	11193.9
Growth Ratio to the Previous Year (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	n.r.	184.5	170.0	170.0	170.0	170.0	167.7	112.6	112.6	112.6	112.6	112.6
Moderate Scenario	n.r.	184.5	150.0	150.0	150.0	150.0	150.0	150.0	150.0	117.1	112.6	112.6
Pessimistic Scenario	n.r.	184.5	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
Potential	n.r.	105.0	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6
Achievement Ratio to the Potential (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	5.9	10.3	15.6	23.6	35.6	53.7	80.0	80.0	80.0	80.0	80.0	80.0
Moderate Scenario	5.9	10.3	13.8	18.3	24.4	32.5	43.4	57.8	76.9	80.0	80.0	80.0
Pessimistic Scenario	5.9	10.3	11.9	13.8	15.9	18.4	21.2	24.5	28.3	32.6	37.7	43.5
Potential	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Figure A-4 Estimate of Revenue from Service Levy

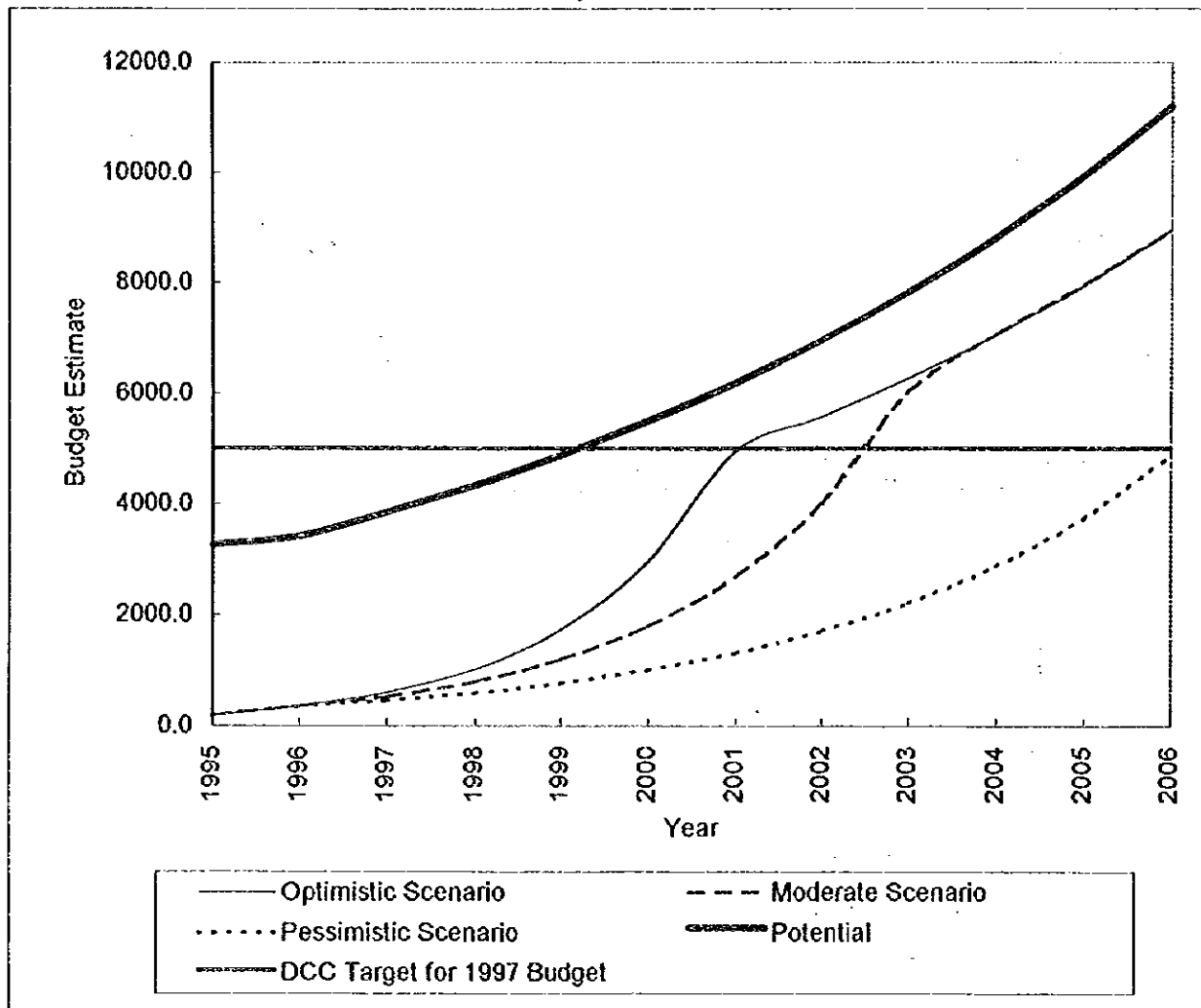


Table A-5 Estimate of of Revenue from Hotel Levy

Revenue (million Tsh.)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	80.5	113.7	181.9	291.1	465.7	745.1	1110.3	1250.2	1407.7	1585.0	1784.8	2009.6
Moderate Scenario	80.5	113.7	159.2	222.9	312.0	436.8	611.5	856.1	1198.6	1584.5	1784.1	2008.9
Pessimistic Scenario	80.5	113.7	136.4	163.7	196.5	235.8	282.9	339.5	407.4	488.9	586.7	704.0
Potential	730.0	766.5	863.1	971.9	1094.4	1232.3	1387.6	1562.4	1759.3	1981.0	2230.6	2511.7

Growth Ratio to the Previous Year (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	n.r.	141.2	160.0	160.0	160.0	160.0	149.0	112.6	112.6	112.6	112.6	112.6
Moderate Scenario	n.r.	141.2	140.0	140.0	140.0	140.0	140.0	140.0	140.0	132.2	112.6	112.6
Pessimistic Scenario	n.r.	141.2	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Potential	n.r.	105.0	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6

Achievement Ratio to the Potential (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	11.0	14.8	21.1	29.9	42.6	60.5	80.0	80.0	80.0	80.0	80.0	80.0
Moderate Scenario	11.0	14.8	18.4	22.9	28.5	35.4	44.1	54.8	68.1	80.0	80.0	80.0
Pessimistic Scenario	11.0	14.8	15.8	16.8	18.0	19.1	20.4	21.7	23.2	24.7	26.3	28.0
Potential	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Figure A-5 Estimate of of Revenue from Hotel Levy

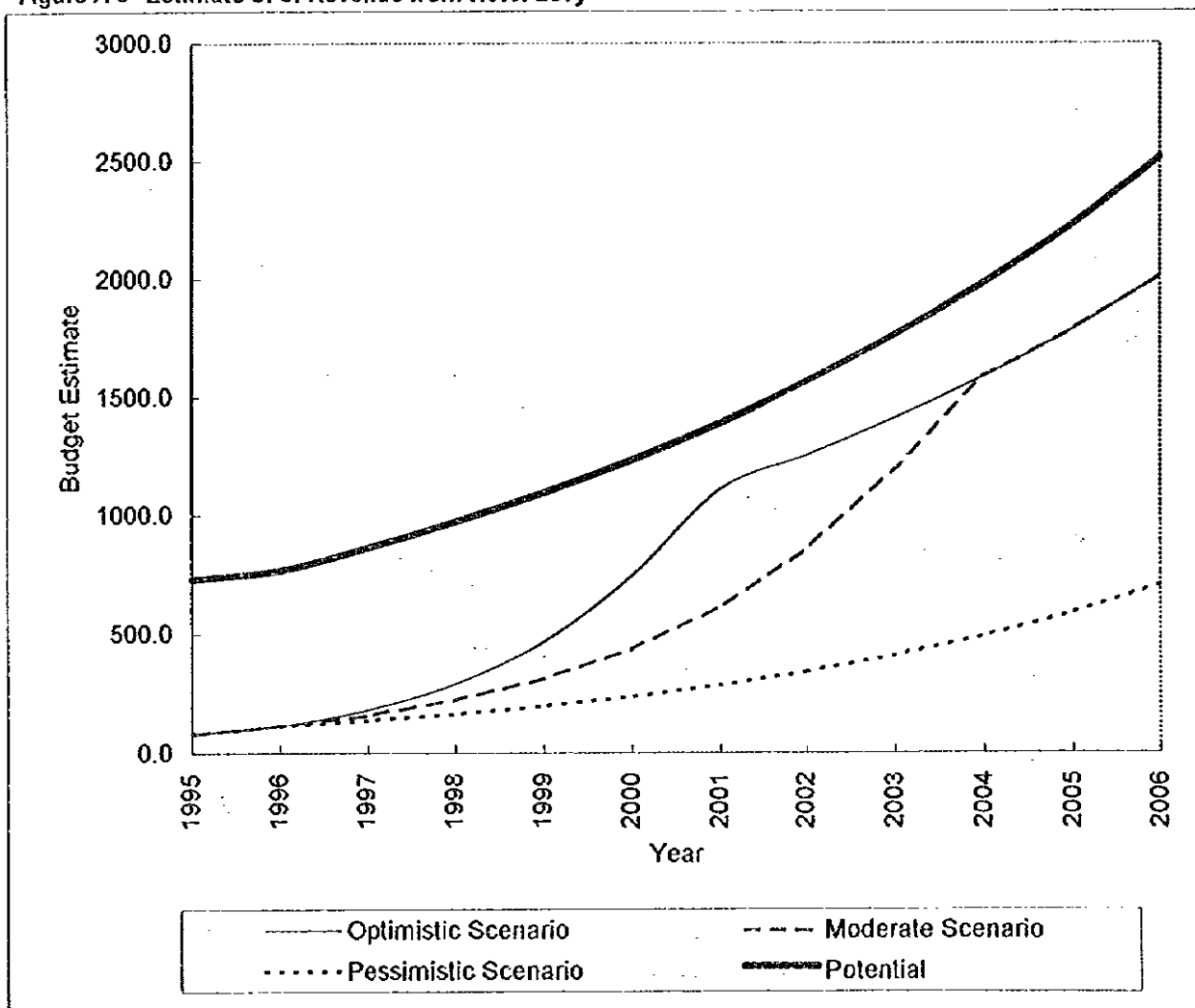


Table A-6 Estimate of Revenue from Business Licences

Revenue (million Tsh.)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	137.5	473.1	615.0	799.5	1039.4	1351.2	1756.6	2283.6	2605.5	2933.8	3303.5	3719.8
Moderate Scenario	137.5	473.1	567.7	681.3	817.5	981.0	1177.2	1412.7	1695.2	2034.2	2441.1	2929.3
Pessimistic Scenario	137.5	473.1	520.4	572.5	629.7	692.7	761.9	838.1	921.9	1014.1	1115.5	1227.1
Potential	1351.7	1419.3	1598.1	1799.5	2026.2	2281.5	2569.0	2892.7	3257.2	3667.6	4129.7	4650.0
Growth Ratio to the Previous Year (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	n.r.	344.1	130.0	130.0	130.0	130.0	130.0	130.0	114.1	112.6	112.6	112.6
Moderate Scenario	n.r.	344.1	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Pessimistic Scenario	n.r.	344.1	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Potential	n.r.	105.0	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6
Achievement Ratio to the Potential (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	10.2	33.3	38.5	44.4	51.3	59.2	68.4	78.9	80.0	80.0	80.0	80.0
Moderate Scenario	10.2	33.3	35.5	37.9	40.3	43.0	45.8	48.8	52.0	55.5	59.1	63.0
Pessimistic Scenario	10.2	33.3	32.6	31.8	31.1	30.4	29.7	29.0	28.3	27.7	27.0	26.4
Potential	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Figure A-6 Estimate of Revenue from Business Licences

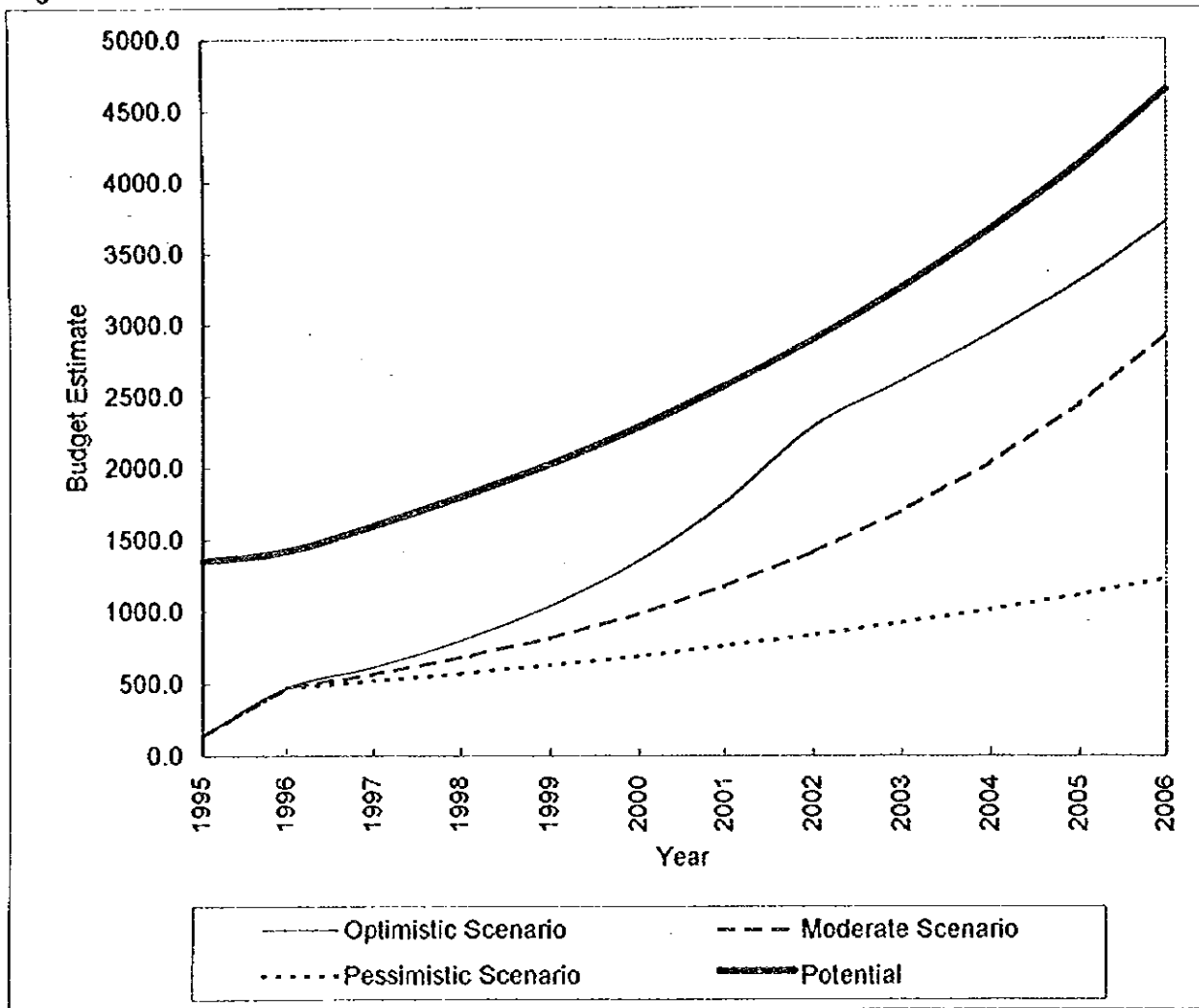


Table A-7 Estimate of Revenue from Market Dues

Revenue (million Tsh.)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	26.2	165.9	215.7	279.5	314.7	354.4	399.0	449.3	505.9	569.7	641.5	722.3
Moderate Scenario	26.2	165.9	199.1	238.9	286.7	344.0	399.1	449.3	505.9	569.7	641.5	722.3
Pessimistic Scenario	26.2	165.9	182.5	200.7	220.8	242.9	267.2	293.9	323.3	355.6	391.2	430.3
Potential	262.5	275.6	310.3	349.4	393.4	443.0	498.8	561.6	632.4	712.1	801.8	902.8

Growth Ratio to the Previous Year (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	n.r.	633.2	130.0	129.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6
Moderate Scenario	n.r.	633.2	120.0	120.0	120.0	120.0	116.0	112.6	112.6	112.6	112.6	112.6
Pessimistic Scenario	n.r.	633.2	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Potential	n.r.	105.0	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6

Achievement Ratio to the Potential (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	10.0	60.2	69.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
Moderate Scenario	10.0	60.2	64.2	68.4	72.9	77.7	80.0	80.0	80.0	80.0	80.0	80.0
Pessimistic Scenario	10.0	60.2	58.8	57.5	56.1	54.8	53.6	52.3	51.1	49.9	48.8	47.7
Potential	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Figure A-7 Estimate of Revenue from Market Dues

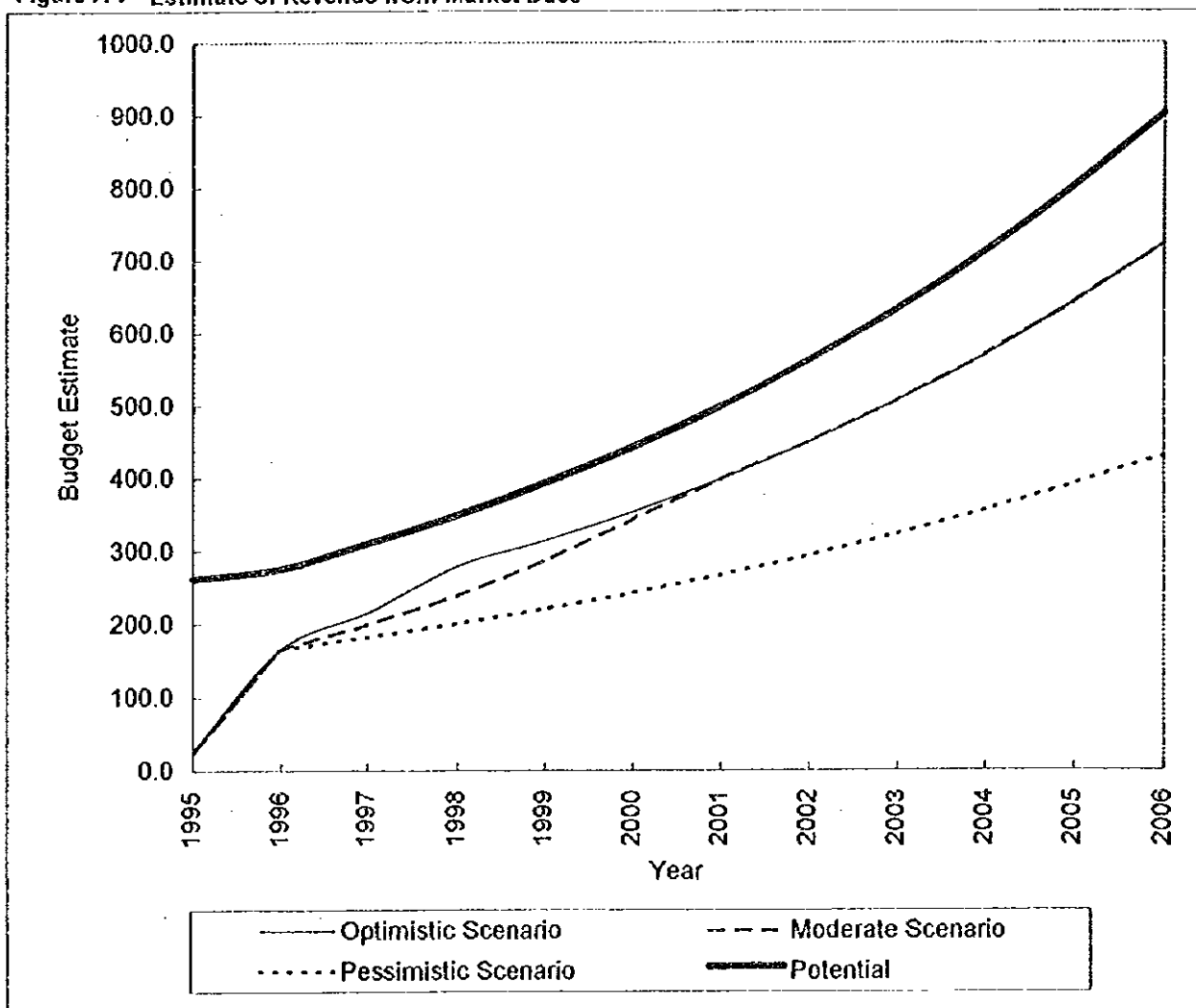


Table A-8 Estimate of Revenue from Other Sources

Revenue (million Tsh.)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	279.8	318.1	413.5	537.6	698.9	908.5	1181.1	1437.4	1618.5	1822.4	2052.0	2310.6
Moderate Scenario	279.8	318.1	381.7	458.1	549.7	659.6	791.5	949.8	1139.8	1367.8	1641.3	1969.6
Pessimistic Scenario	279.8	318.1	349.9	384.9	423.4	465.7	512.3	563.5	619.9	681.9	750.1	825.1
Potential	839.4	881.4	992.5	1117.6	1258.4	1417.0	1595.5	1796.5	2022.9	2277.8	2564.8	2888.0

Growth Ratio to the Previous Year (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	n.r.	113.7	130.0	130.0	130.0	130.0	130.0	121.7	112.6	112.6	112.6	112.6
Moderate Scenario	n.r.	113.7	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Pessimistic Scenario	n.r.	113.7	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Potential	n.r.	105.0	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6

Achievement Ratio to the Potential (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic Scenario	33.3	36.1	41.7	48.1	55.5	64.1	74.0	80.0	80.0	80.0	80.0	80.0
Moderate Scenario	33.3	36.1	38.5	41.0	43.7	46.5	49.6	52.9	56.3	60.0	64.0	68.2
Pessimistic Scenario	33.3	36.1	35.3	34.4	33.6	32.9	32.1	31.4	30.6	29.9	29.2	28.6
Potential	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Figure A-8 Estimate of Revenue from Other Sources

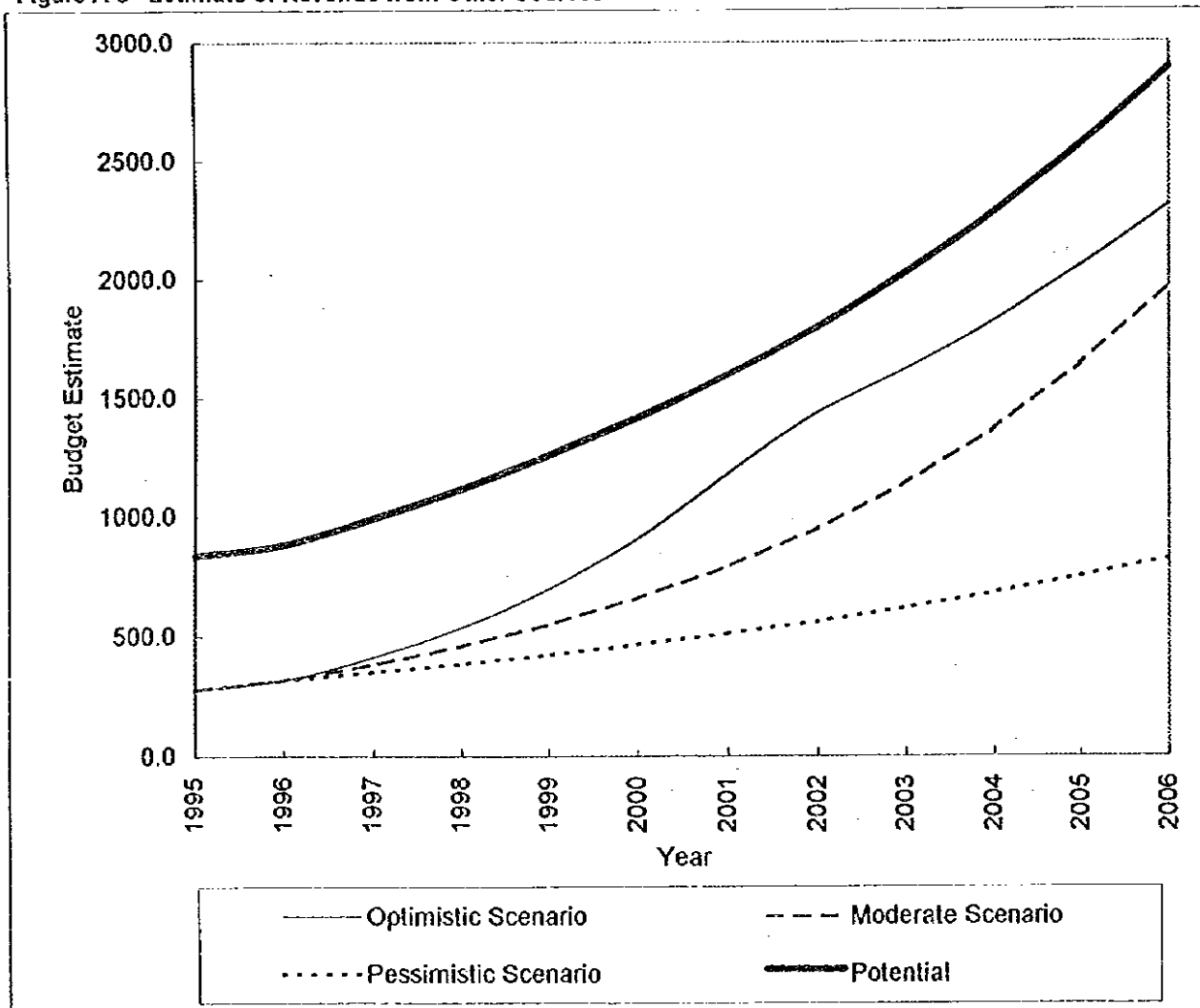


Table A-9 Achievement Rate of Each Revenue Source to the Potential (%)

(Optimistic Scenario)

Year	Develop	Property	Petrol	Service	Hotel	Business	Market	Others	Optimistic
1997	27.5	32.0	28.0	15.6	21.1	38.5	69.5	41.7	34.2
1998	39.0	45.4	42.2	23.6	29.9	44.4	80.0	48.1	44.1
1999	55.4	64.6	63.8	35.6	42.6	51.3	80.0	55.5	56.1
2000	78.8	80.0	96.3	53.7	60.5	59.2	80.0	64.1	71.6
2001	80.0	80.0	100.0	80.0	80.0	68.4	80.0	74.0	80.3
2002	80.0	80.0	100.0	80.0	80.0	78.9	80.0	80.0	82.4
2003	80.0	80.0	100.0	80.0	80.0	80.0	80.0	80.0	82.5
2004	80.0	80.0	100.0	80.0	80.0	80.0	80.0	80.0	82.5
2005	80.0	80.0	100.0	80.0	80.0	80.0	80.0	80.0	82.5
2006	80.0	80.0	100.0	80.0	80.0	80.0	80.0	80.0	82.5

Table A-10 Achievement Rate of Each Revenue Source to the Potential (%)

(Moderate Scenario)

Year	Develop	Property	Petrol	Service	Hotel	Business	Market	Others	Moderate
1997	24.0	28.0	18.7	13.8	18.4	35.5	64.2	38.5	30.1
1998	29.9	34.8	24.8	18.3	22.9	37.9	68.4	41.0	34.7
1999	37.1	43.2	33.1	24.4	28.5	40.3	72.9	43.7	40.4
2000	46.2	53.8	44.1	32.5	35.4	43.0	77.7	46.5	47.4
2001	57.4	66.9	58.7	43.4	44.1	45.8	80.0	49.6	55.7
2002	71.4	80.0	78.2	57.8	54.8	48.8	80.0	52.9	65.5
2003	80.0	80.0	100.0	76.9	68.1	52.0	80.0	56.3	74.2
2004	80.0	80.0	100.0	80.0	80.0	55.5	80.0	60.0	76.9
2005	80.0	80.0	100.0	80.0	80.0	59.1	80.0	64.0	77.9
2006	80.0	80.0	100.0	80.0	80.0	63.0	80.0	68.2	78.9

Table A-11 Achievement Rate of Each Revenue Source to the Potential (%)

(Pessimistic Scenario)

Year	Develop	Property	Petrol	Service	Hotel	Business	Market	Others	Pessimistic
1997	20.6	24.0	9.3	11.9	15.8	32.6	58.8	35.3	26.0
1998	21.9	25.6	10.8	13.8	16.8	31.8	57.5	34.4	26.6
1999	23.4	27.2	12.4	15.9	18.0	31.1	56.1	33.6	27.2
2000	24.9	29.0	14.3	18.4	19.1	30.4	54.8	32.9	28.0
2001	26.6	30.9	16.6	21.2	20.4	29.7	53.6	32.1	28.9
2002	28.3	33.0	19.1	24.5	21.7	29.0	52.3	31.4	29.9
2003	30.2	35.1	22.1	28.3	23.2	28.3	51.1	30.6	31.1
2004	32.1	37.4	25.5	32.6	24.7	27.7	49.9	29.9	32.5
2005	34.3	39.9	29.4	37.7	26.3	27.0	48.8	29.2	34.1
2006	36.5	42.5	34.0	43.5	28.0	26.4	47.7	28.6	35.9

Table A-12 Growth Rate of Each Revenue Source to the Previous Year (%)

(Optimistic Scenario)

Year	Develop	Property	Petrol	Service	Hotel	Business	Market	Others	Optimistic
1997	160.0	160.0	0.0	170.0	160.0	130.0	130.0	130.0	130.0
1998	160.0	160.0	170.0	170.0	160.0	130.0	129.6	130.0	151.2
1999	160.0	160.0	170.0	170.0	160.0	130.0	112.6	130.0	149.1
2000	160.0	139.5	170.0	170.0	160.0	130.0	112.6	130.0	146.5
2001	114.3	112.6	117.0	167.7	149.0	130.0	112.6	130.0	129.2
2002	112.6	112.6	112.6	112.6	112.6	130.0	112.6	121.7	115.9
2003	112.6	112.6	112.6	112.6	112.6	114.1	112.6	112.6	112.8
2004	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6
2005	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6
2006	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6

Table A-13 Growth Rate of Each Revenue Source to the Previous Year (%)

(Moderate Scenario)

Year	Develop	Property	Petrol	Service	Hotel	Business	Market	Others	Moderate
1997	140.0	140.0	0.0	150.0	140.0	120.0	120.0	120.0	116.3
1998	140.0	140.0	150.0	150.0	140.0	120.0	120.0	120.0	135.0
1999	140.0	140.0	150.0	150.0	140.0	120.0	120.0	120.0	135.0
2000	140.0	140.0	150.0	150.0	140.0	120.0	120.0	120.0	135.0
2001	140.0	140.0	150.0	150.0	140.0	120.0	116.0	120.0	134.5
2002	140.0	134.7	150.0	150.0	140.0	120.0	112.6	120.0	133.4
2003	126.2	112.6	143.9	150.0	140.0	120.0	112.6	120.0	128.2
2004	112.6	112.6	112.6	117.1	132.2	120.0	112.6	120.0	117.5
2005	112.6	112.6	112.6	112.6	112.6	120.0	112.6	120.0	114.5
2006	112.6	112.6	112.6	112.6	112.6	120.0	112.6	120.0	114.5

Table A-14 Growth Rate of Each Revenue Source to the Previous Year (%)

(Pessimistic Scenario)

Year	Develop	Property	Petrol	Service	Hotel	Business	Market	Others	Pessimistic
1997	120.0	120.0	0.0	130.0	120.0	110.0	110.0	110.0	102.5
1998	120.0	120.0	130.0	130.0	120.0	110.0	110.0	110.0	118.8
1999	120.0	120.0	130.0	130.0	120.0	110.0	110.0	110.0	118.8
2000	120.0	120.0	130.0	130.0	120.0	110.0	110.0	110.0	118.8
2001	120.0	120.0	130.0	130.0	120.0	110.0	110.0	110.0	118.8
2002	120.0	120.0	130.0	130.0	120.0	110.0	110.0	110.0	118.8
2003	120.0	120.0	130.0	130.0	120.0	110.0	110.0	110.0	118.8
2004	120.0	120.0	130.0	130.0	120.0	110.0	110.0	110.0	118.8
2005	120.0	120.0	130.0	130.0	120.0	110.0	110.0	110.0	118.8
2006	120.0	120.0	130.0	130.0	120.0	110.0	110.0	110.0	118.8

Figure A-9 Achievement Rate of Each Revenue Source to the Potential (%)

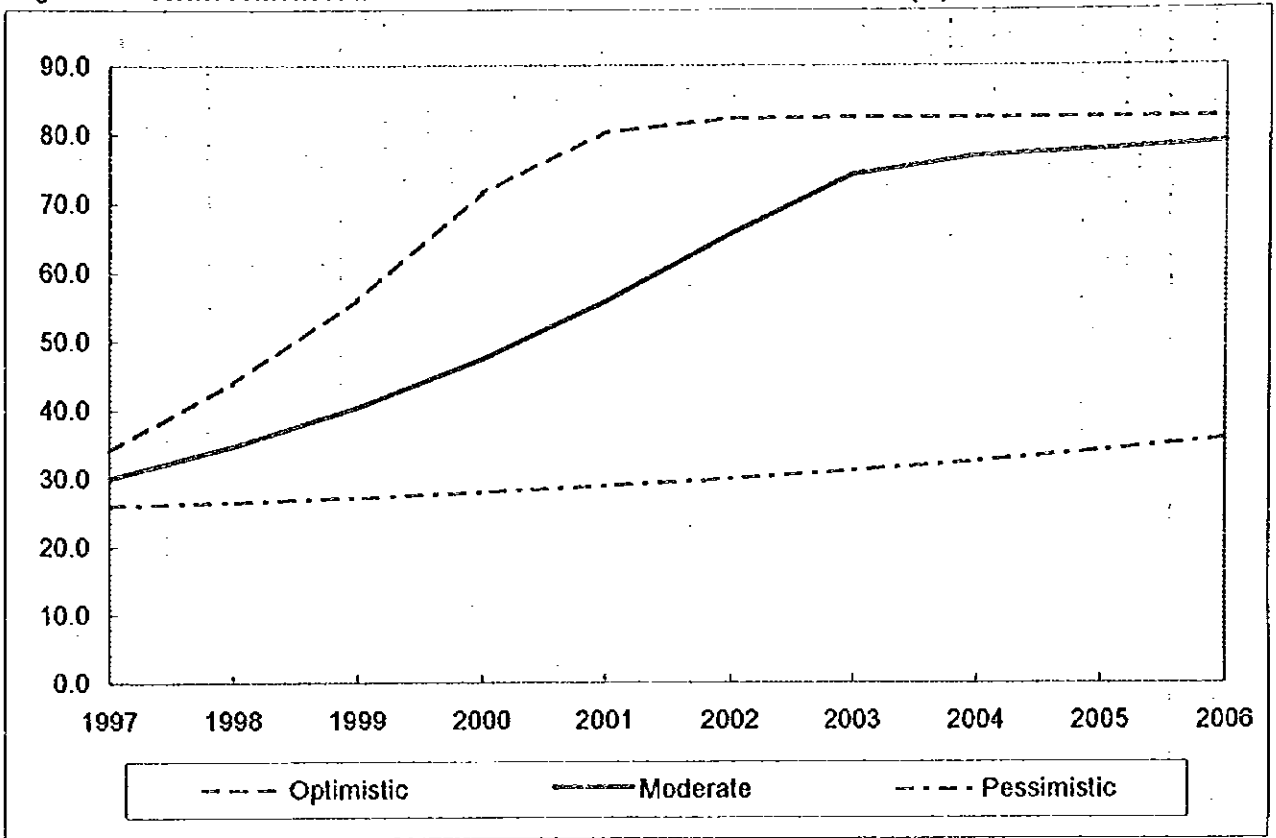


Figure A-10 Growth Rate of Each Revenue Source to the Previous Year (%)

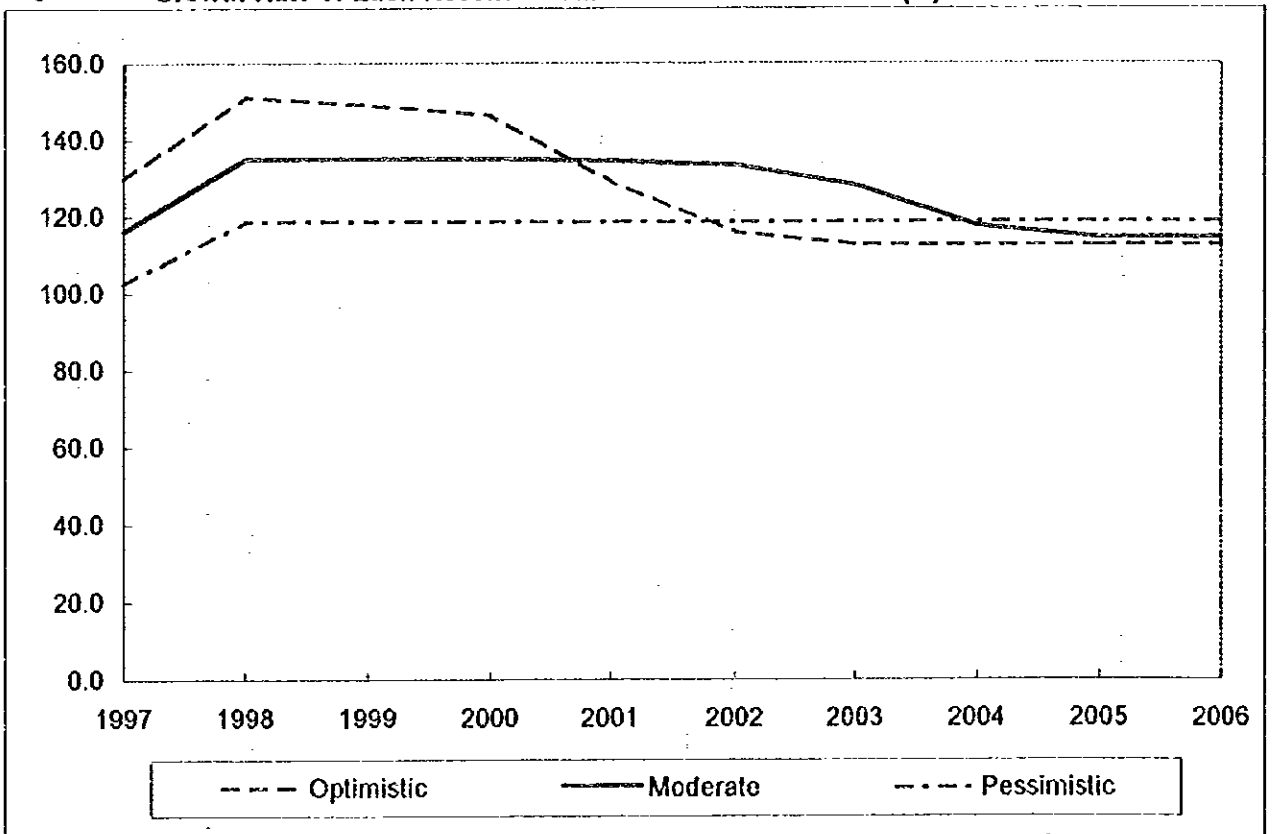


Table A-15 Estimate of DCC's Revenue (Scenario 1 = Optimistic Scenario)

Revenue (million Tsh.)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Development Levy	140.5	556.5	890.4	1424.6	2279.4	3647.1	4168.6	4693.9	5285.3	5951.2	6701.1	7545.4
Property Tax	60.1	559.5	895.2	1432.3	2291.7	3196.9	3599.8	4053.3	4564.0	5139.1	5786.6	6515.8
Petrol Levy	100.0	0.0	561.4	954.4	1622.4	2758.2	3227.0	3633.7	4091.5	4607.0	5187.5	5841.1
Service Levy	191.4	353.1	600.3	1020.5	1734.8	2949.1	4945.7	5568.8	6270.5	7060.6	7950.2	8952.0
Hotel Levy	80.5	113.7	181.9	291.1	465.7	745.1	1110.3	1250.2	1407.7	1585.0	1784.8	2009.6
Business Licenses	137.5	473.1	615.0	799.5	1039.4	1351.2	1756.6	2283.6	2605.5	2933.8	3303.5	3719.8
Market Dues	26.2	165.9	215.7	279.5	314.7	354.4	399.0	449.3	505.9	569.7	641.5	722.3
Others	279.8	318.1	413.5	537.6	698.9	908.5	1181.1	1437.4	1618.5	1822.4	2052.0	2310.6
Tax Revenue	1016.0	2539.9	4373.4	6739.5	10447.1	15910.6	20388.1	23370.1	26349.0	29668.9	33407.2	37616.5
Subsidy	4972.0	3370.0	3538.5	3715.4	3901.2	4096.3	4301.1	4516.1	4741.9	4979.0	5228.0	5489.4
Revenue Total	5988.0	5909.9	7911.9	10454.9	14348.3	20006.9	24689.2	27886.2	31090.9	34647.9	38635.2	43105.9
Growth Rate to the Previous Year (%)												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Development Levy	n.r.	396.1	160.0	160.0	160.0	160.0	114.3	112.6	112.6	112.6	112.6	112.6
Property Tax	n.r.	930.9	160.0	160.0	160.0	139.5	112.6	112.6	112.6	112.6	112.6	112.6
Petrol Levy	n.r.	0.0	0.0	170.0	170.0	170.0	117.0	112.6	112.6	112.6	112.6	112.6
Service Levy	n.r.	184.5	170.0	170.0	170.0	170.0	167.7	112.6	112.6	112.6	112.6	112.6
Hotel Levy	n.r.	141.2	160.0	160.0	160.0	160.0	149.0	112.6	112.6	112.6	112.6	112.6
Business Licenses	n.r.	344.1	130.0	130.0	130.0	130.0	130.0	130.0	114.1	112.6	112.6	112.6
Market Dues	n.r.	633.2	130.0	129.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6	112.6
Others	n.r.	113.7	130.0	130.0	130.0	130.0	130.0	121.7	112.6	112.6	112.6	112.6
Tax Revenue	n.r.	250.0	172.2	154.1	155.0	152.3	128.1	114.6	112.7	112.6	112.6	112.6
Subsidy	n.r.	67.8	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
Revenue Total	n.r.	98.7	133.9	132.1	137.2	139.4	123.4	112.9	111.5	111.4	111.5	111.6

Table A-16 Estimate of DCC's Tax Revenue (Scenario 3 = Moderate Scenario)

Revenue												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Development Levy	140.5	556.5	779.1	1090.7	1527.0	2137.9	2993.0	4190.2	5288.0	5954.3	6704.5	7549.3
Property Tax	60.1	559.5	783.3	1096.6	1535.3	2149.4	3009.1	4053.3	4564.0	5139.1	5786.6	6515.7
Petrol Levy	100.0	0.0	374.3	561.5	842.2	1263.3	1894.9	2842.3	4090.1	4605.5	5185.8	5839.2
Service Levy	191.4	353.1	529.7	794.5	1191.7	1787.6	2681.4	4022.0	6033.0	7064.7	7954.8	8957.2
Hotel Levy	80.5	113.7	159.2	222.9	312.0	436.8	611.5	856.1	1198.6	1584.5	1784.1	2008.9
Business Licenses	137.5	473.1	567.7	681.3	817.5	981.0	1177.2	1412.7	1695.2	2034.2	2441.1	2929.3
Market Dues	26.2	165.9	199.1	238.9	286.7	344.0	399.1	449.3	505.9	569.7	641.5	722.3
Others	279.8	318.1	381.7	458.1	549.7	659.6	791.5	949.8	1139.8	1367.8	1641.3	1969.6
Tax Revenue	1016.0	2539.9	3774.1	5144.4	7062.1	9759.5	13557.7	18775.8	24514.7	28319.8	32139.8	36491.5
Subsidy	4972.0	3370.0	3538.5	3715.4	3901.2	4096.3	4301.1	4516.1	4741.9	4979.0	5228.0	5489.4
Revenue Total	5988.0	5909.9	7312.6	8859.8	10963.3	13855.8	17858.8	23291.9	29256.6	33298.8	37367.8	41980.9
Growth Rate to the Previous Year												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Development Levy	n.r.	396.1	140.0	140.0	140.0	140.0	140.0	140.0	126.2	112.6	112.6	112.6
Property Tax	n.r.	930.9	140.0	140.0	140.0	140.0	140.0	134.7	112.6	112.6	112.6	112.6
Petrol Levy	n.r.	0.0	#DIV/0!	150.0	150.0	150.0	150.0	150.0	143.9	112.6	112.6	112.6
Service Levy	n.r.	184.5	150.0	150.0	150.0	150.0	150.0	150.0	150.0	117.1	112.6	112.6
Hotel Levy	n.r.	141.2	140.0	140.0	140.0	140.0	140.0	140.0	140.0	132.2	112.6	112.6
Business Licenses	n.r.	344.1	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Market Dues	n.r.	633.2	120.0	120.0	120.0	120.0	116.0	112.6	112.6	112.6	112.6	112.6
Others	n.r.	113.7	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Tax Revenue	n.r.	250.0	148.6	136.3	137.3	138.2	138.9	138.5	130.6	115.5	113.5	113.5
Subsidy	n.r.	67.8	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
Revenue Total	n.r.	98.7	123.7	121.2	123.7	126.4	128.9	130.4	125.6	113.9	112.2	112.3

Table A-17 Estimate of DCC's Tax Revenue (Scenario 3 = Pessimistic Scenario)

Revenue												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Development Levy	140.5	556.5	667.8	801.4	961.6	1154.0	1384.8	1661.7	1994.0	2392.8	2871.4	3445.7
Property Tax	60.1	559.5	671.4	805.7	966.8	1160.2	1392.2	1670.7	2004.8	2405.7	2886.9	3464.3
Petrol Levy	100.0	0.0	187.1	243.2	316.2	411.1	594.4	694.7	903.1	1174.0	1526.2	1984.1
Service Levy	191.4	353.1	459.0	596.7	775.8	1008.5	1311.0	1704.3	2215.7	2880.3	3744.4	4867.8
Hotel Levy	80.5	113.7	136.4	163.7	196.5	235.8	282.9	339.5	407.4	488.9	586.7	704.0
Business Licenses	137.5	473.1	520.4	572.5	629.7	692.7	761.9	838.1	921.9	1014.1	1115.5	1227.1
Market Dues	26.2	165.9	182.5	200.7	220.8	242.9	267.2	293.9	323.3	355.6	391.2	430.3
Others	279.8	318.1	349.9	384.9	423.4	465.7	512.3	563.5	619.9	681.9	750.1	825.1
Tax Revenue	1016.0	2539.9	3174.6	3768.8	4490.8	5370.7	6446.7	7766.5	9390.1	11393.5	13872.5	16948.3
Subsidy	4972.0	3370.0	3538.5	3715.4	3901.2	4096.3	4301.1	4516.1	4741.9	4979.0	5228.0	5489.4
Revenue Total	5988.0	5909.9	6713.1	7484.2	8392.0	9467.0	10747.8	12282.6	14132.0	16372.5	19100.5	22437.7
Growth Rate to the Previous Year												
Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Development Levy	n.r.	396.1	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Property Tax	n.r.	930.9	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Petrol Levy	n.r.	0.0	#DIV/0!	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
Service Levy	n.r.	184.5	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
Hotel Levy	n.r.	141.2	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Business Licenses	n.r.	344.1	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Market Dues	n.r.	633.2	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Others	n.r.	113.7	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Tax Revenue	n.r.	250.0	125.0	118.7	119.2	119.6	120.0	120.5	120.9	121.3	121.8	122.2
Subsidy	n.r.	67.8	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
Revenue Total	n.r.	98.7	113.6	111.5	112.1	112.8	113.5	114.3	115.1	115.9	116.7	117.5

Figure A-11 Estimate of DCC's Revenue (Optimistic Scenario)

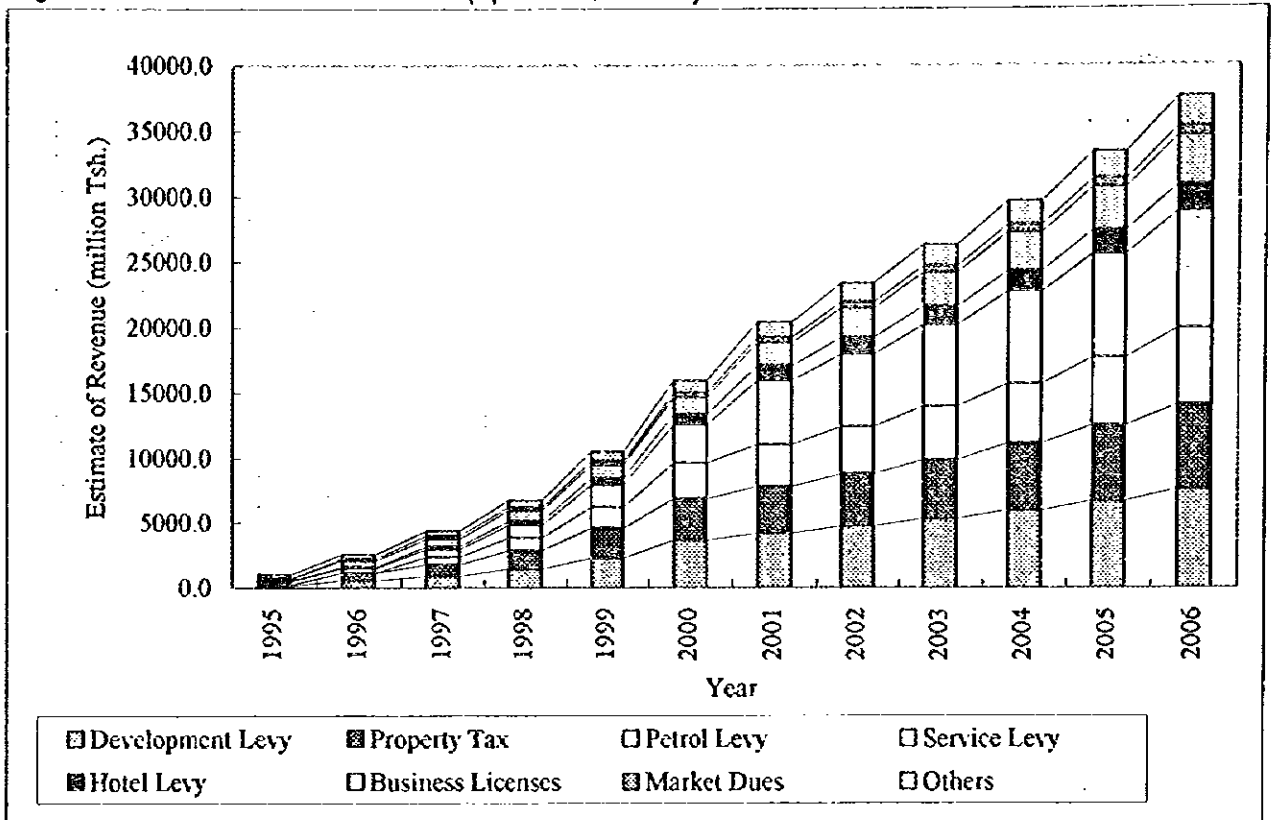


Figure A-12 Estimate of Share in All (Optimistic Scenario)

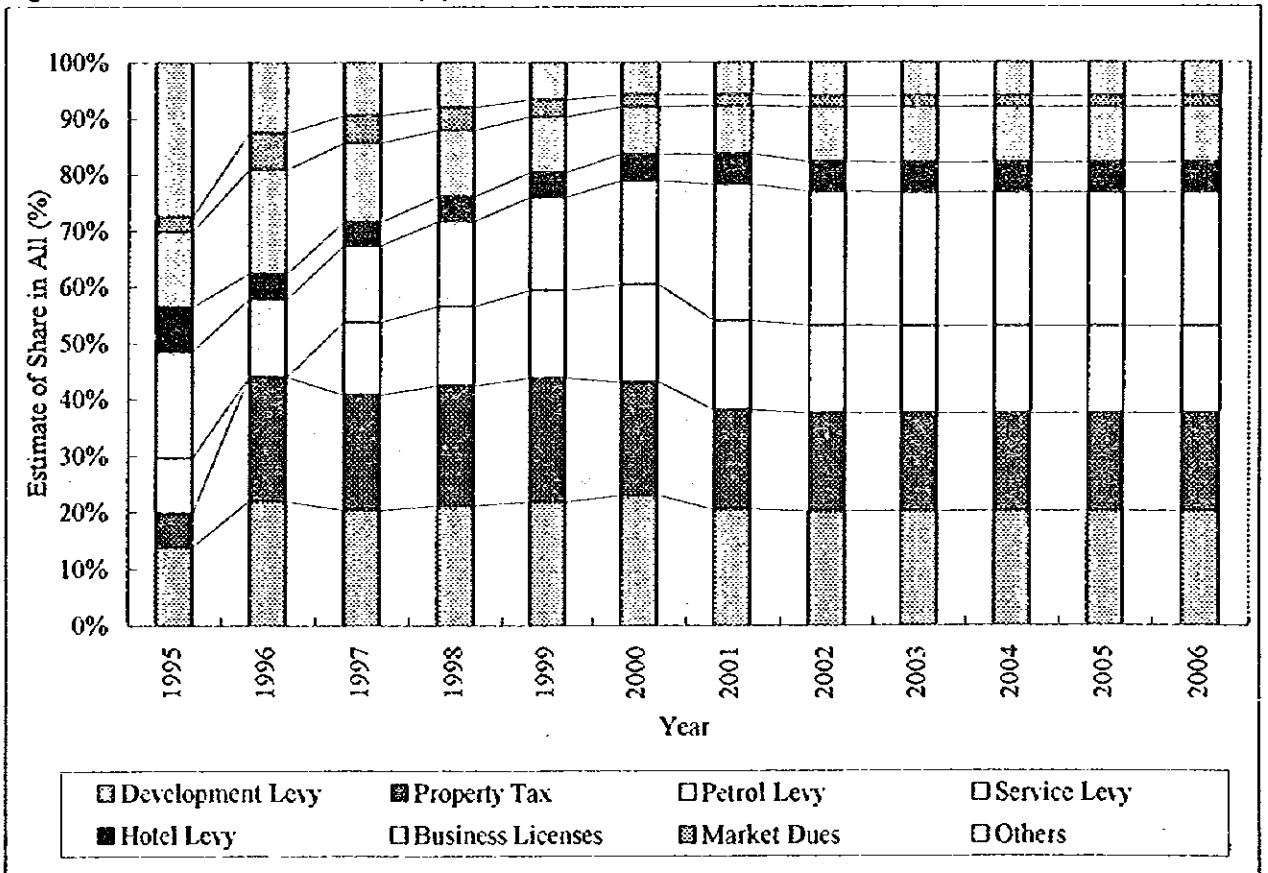


Figure A-13 Estimate of DCC's Revenue (Moderate Scenario)

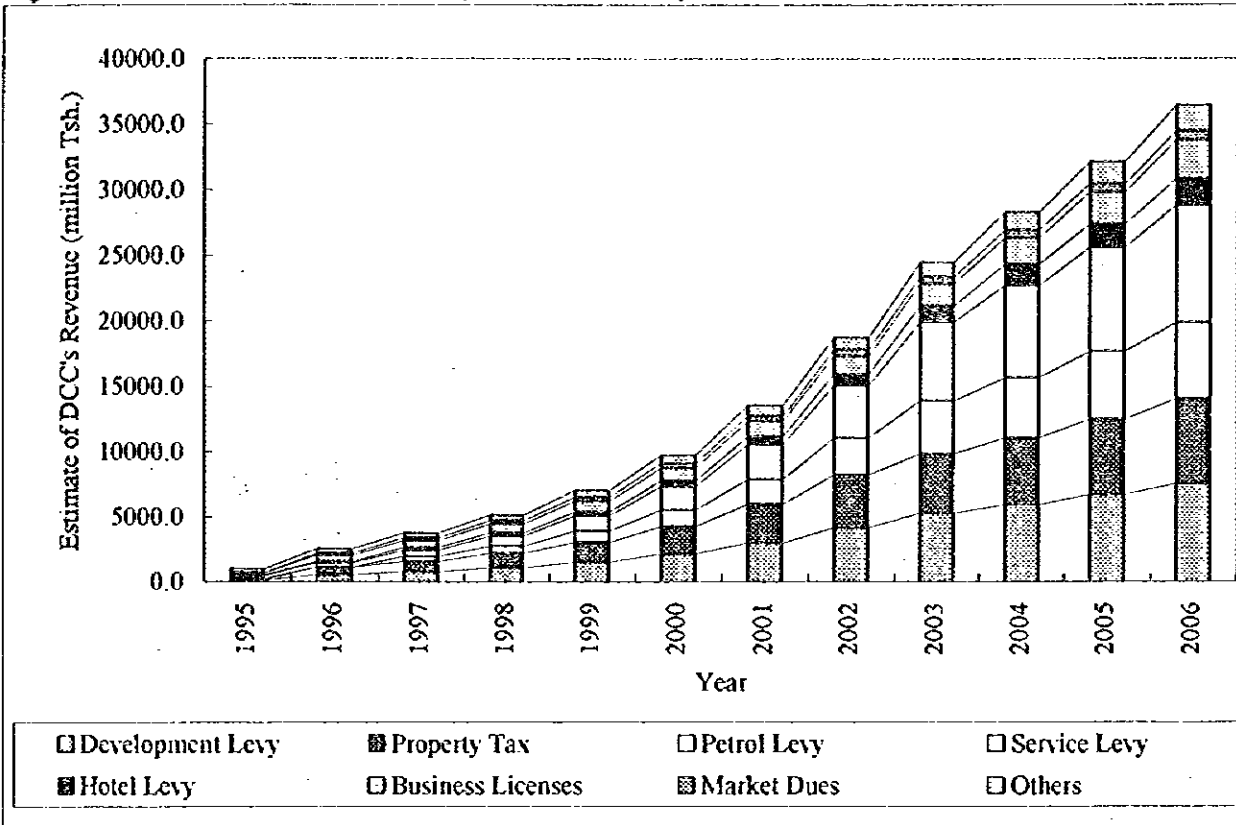


Figure A-14 Estimate of Share in All (Moderate Scenario)

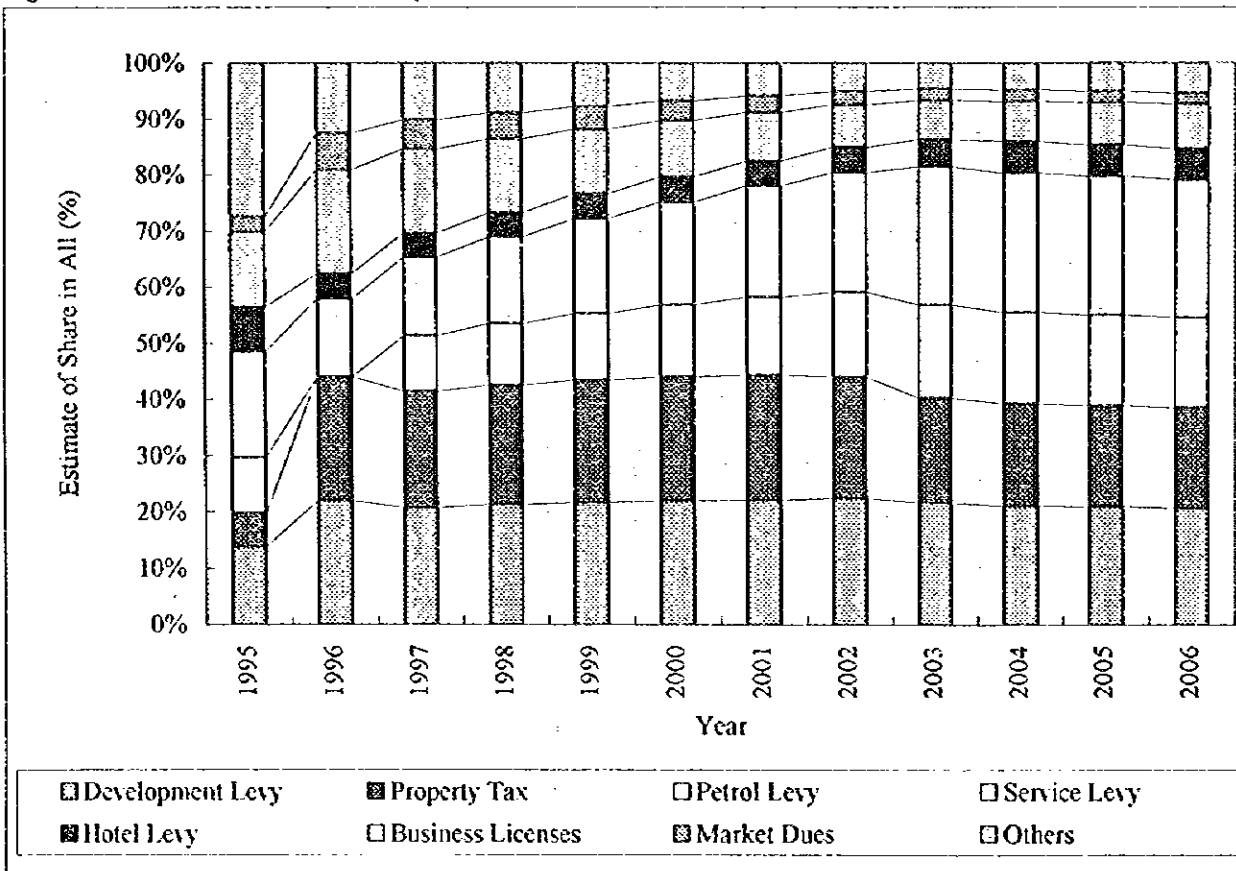


Figure A-15 Estimate of DCC's Revenue (Pessimistic Scenario)

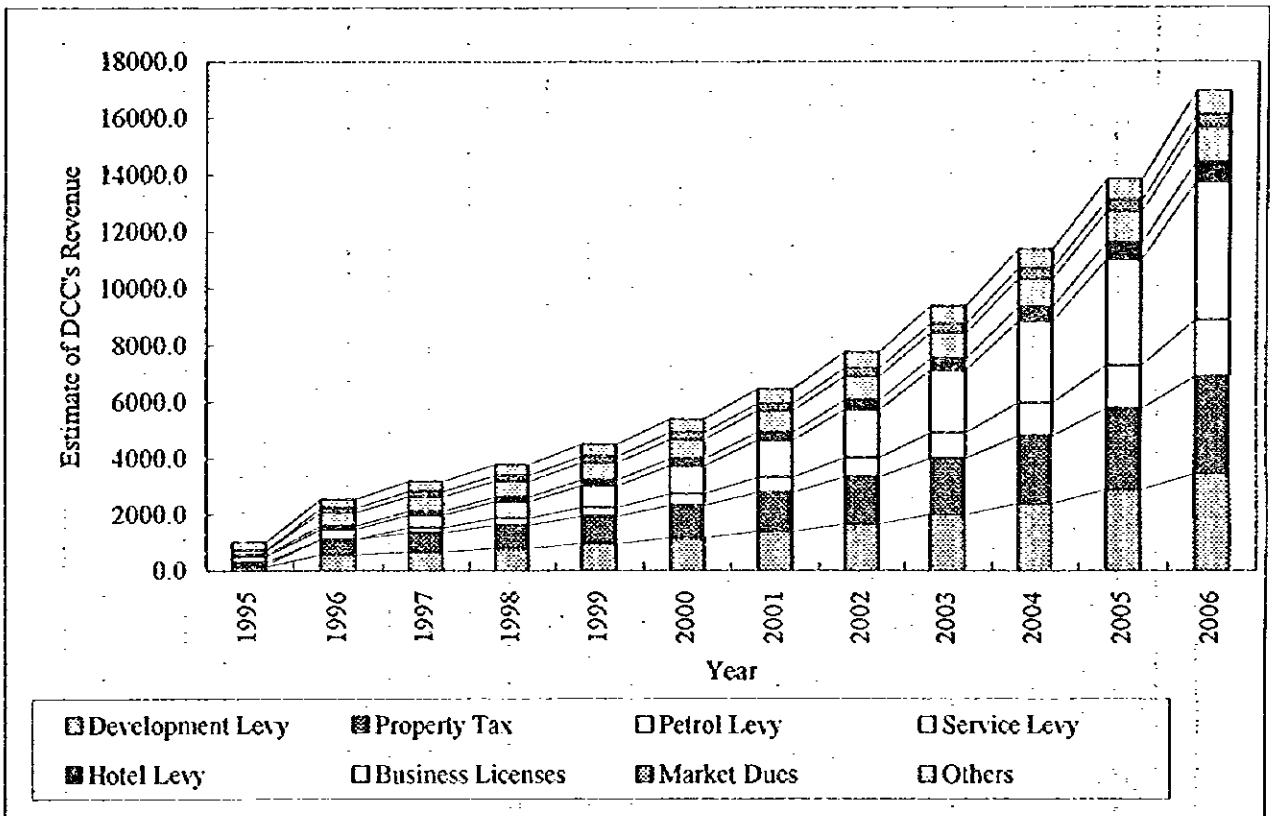


Figure A-16 Estimate of Share In All (Pessimistic Scenario)

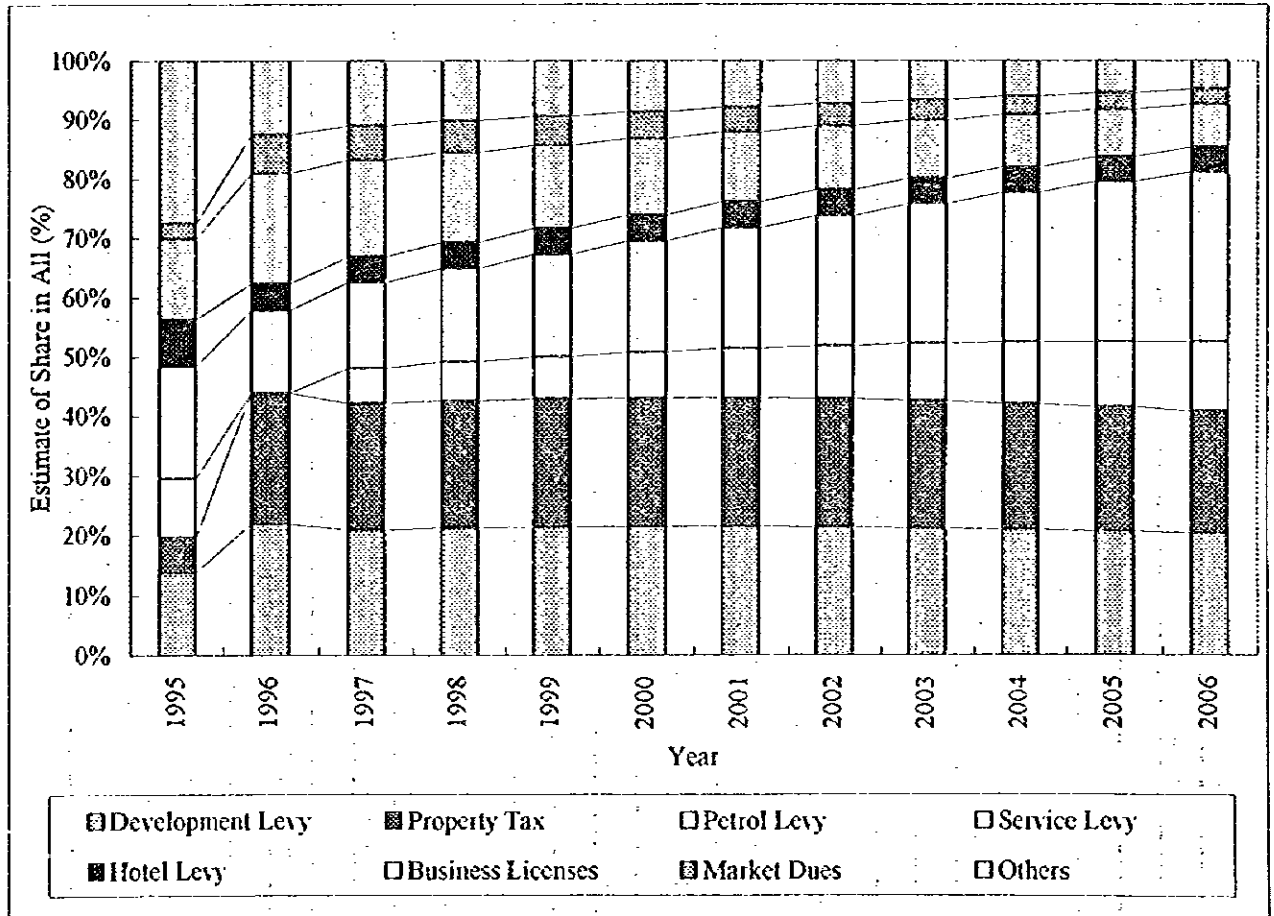


Table A-18 Estimate of DCC's Expenditure (Scenario 1 = Optimistic Scenario)

Expenditure (million Tsh.)	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Revenue Total	2006.1	2694.0	3464.1	4415.8	6595.9	6509.9	8715.1	11516.3	15804.9	22038.0	27195.6	30717.2	34247.2	38165.4	42557.5	47482.0
Finance and Administration	191.3	487.1	598.5	807.9	1018.1	976.5	1307.3	1727.4	2370.7	3305.7	4079.3	4607.6	5137.1	5724.8	6383.6	7122.3
Education and Culture	788.3	959.9	1449.5	1727.9	2988.8	2603.9	3486.1	4606.5	6322.0	8815.2	10878.2	12286.9	13698.9	15266.2	17023.0	18992.8
Economic and Trade	82.8	107.7	67.4	245.3	370.7	325.5	435.8	575.8	790.2	1101.9	1359.8	1635.9	1712.4	1908.3	2127.9	2374.1
Works and Water	306.7	313.4	321.5	397.4	492.5	520.8	697.2	921.3	1264.4	1763.0	2175.6	2457.4	2739.8	3053.2	3404.6	3798.6
Resources and Environment	87.3	92.6	142.1	206.6	274.3	260.4	348.6	460.7	632.2	881.5	1087.8	1228.7	1369.9	1526.6	1702.3	1899.3
Agriculture and Livestock	23.1	17.2	49.5	0.0	0.0	65.1	87.2	115.2	158.0	220.4	272.0	307.2	342.5	381.7	425.6	474.8
Human Resources	18.8	0.0	0.0	0.0	0.0	65.1	87.2	115.2	158.0	220.4	272.0	307.2	342.5	381.7	425.6	474.8
Adjustment or Service Capital	0.0	0.0	37.4	0.0	0.0	65.1	87.2	115.2	158.0	220.4	272.0	307.2	342.5	381.7	425.6	474.8
Health and Social Welfare	507.8	716.1	798.2	1030.7	1451.5	1627.5	2178.8	2879.1	3951.2	5509.5	6798.9	7679.3	8561.8	9541.3	10639.4	11870.5
Solid Waste Management	110.0	137.5	178.8	220.6	316.4	325.5	453.2	621.9	885.1	1278.2	1631.7	1904.5	2191.8	2518.9	2893.9	3323.7
Others	397.8	578.6	619.4	810.1	1135.1	1302.0	1725.6	2257.2	3066.2	4231.3	5167.2	5774.8	6370.0	7022.4	7745.5	8546.8
Share in Total (%)																
Year	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Revenue Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Finance and Administration	9.5	18.1	17.3	18.3	15.4	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Education and Culture	39.3	35.6	41.8	39.1	45.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
Economic and Trade	4.1	4.0	1.9	5.6	5.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Works and Water	15.3	11.6	9.3	9.0	7.5	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Resources and Environment	4.4	3.4	4.1	4.7	4.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Agriculture and Livestock	1.2	0.6	1.4	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Human Resources	0.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Adjustment or Service Capital	0.0	0.0	1.1	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Health and Social Welfare	25.3	26.6	23.0	23.3	22.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Solid Waste Management	5.5	5.1	5.2	5.0	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0
Others	19.8	21.5	17.9	18.3	17.2	20.0	19.8	19.6	19.4	19.2	19.0	18.8	18.6	18.4	18.2	18.0

Table A-19 Estimate of DCC's Expenditure (Scenario 2 = Moderate Scenario)

Expenditure (million Tsh.)		1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Revenue Total		2006.1	2694.0	3464.1	4415.8	6595.9	6509.9	8715.1	11516.3	15804.9	22038.0	27195.6	30717.2	34247.2	38165.4	42557.5	47482.0
Finance and Administration		191.3	487.1	598.5	807.9	1018.1	976.5	1307.3	1727.4	2370.7	3305.7	4079.3	4607.6	5137.1	5724.8	6393.6	7122.3
Education and Culture		788.3	959.9	1449.5	1727.9	2988.8	2603.9	3486.1	4606.5	6322.0	8815.2	10878.2	12286.9	13698.9	15266.2	17023.0	18992.8
Economic and Trade		82.8	107.7	67.4	245.3	370.7	325.5	435.8	575.8	790.2	1101.9	1359.8	1535.9	1712.4	1908.3	2127.9	2374.1
Works and Water		306.7	313.4	321.5	397.4	492.5	520.8	697.2	921.3	1264.4	1763.0	2175.6	2457.4	2739.8	3053.2	3404.6	3798.6
Resources and Environment		87.3	92.6	142.1	206.6	274.3	260.4	348.6	460.7	632.2	881.5	1087.8	1228.7	1369.9	1526.6	1702.3	1899.3
Agriculture and Livestock		23.1	17.2	49.5	0.0	0.0	65.1	87.2	115.2	158.0	220.4	272.0	307.2	342.5	381.7	425.6	474.8
Human Resources		18.8	0.0	0.0	0.0	0.0	65.1	87.2	115.2	158.0	220.4	272.0	307.2	342.5	381.7	425.6	474.8
Adjustment or Service Capital		0.0	0.0	37.4	0.0	0.0	65.1	87.2	115.2	158.0	220.4	272.0	307.2	342.5	381.7	425.6	474.8
Health and Social Welfare		507.8	716.1	798.2	1030.7	1451.5	1627.5	2178.8	2879.1	3951.2	5509.5	6798.9	7679.3	8561.8	9541.3	10639.4	11870.5
Solid Waste Management		110.0	137.5	178.8	220.6	316.4	325.5	435.8	575.8	790.2	1101.9	1359.8	1535.9	1712.4	1908.3	2127.9	2374.1
Others		397.8	578.6	619.4	810.1	1135.1	1302.0	1743.0	2303.3	3161.0	4407.6	5439.1	6143.4	6849.4	7633.1	8511.5	9496.4
Share in Total (%)																	
Year		1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Revenue Total		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Finance and Administration		9.5	18.1	17.3	18.3	15.4	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Education and Culture		39.3	35.6	41.8	39.1	45.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
Economic and Trade		4.1	4.0	1.9	5.6	5.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Works and Water		15.3	11.6	9.3	9.0	7.5	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Resources and Environment		4.4	3.4	4.1	4.7	4.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Agriculture and Livestock		1.2	0.6	1.4	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Human Resources		0.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Adjustment or Service Capital		0.0	0.0	1.1	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Health and Social Welfare		25.3	26.6	23.0	23.3	22.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Solid Waste Management		5.5	5.1	5.2	5.0	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Others		19.8	21.5	17.9	18.3	17.2	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0

Table A-20 Estimate of DCC's Expenditure (Scenario 3 = Pessimistic Scenario)

Expenditure (million Tsh.)																
Year	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Revenue Total	2006.1	2694.0	3464.1	4415.8	6595.9	6509.9	8715.1	11516.3	15804.9	22038.0	27195.6	30717.2	34247.2	38165.4	42557.5	47482.0
Finance and Administration	191.3	487.1	598.5	807.9	1018.1	976.5	1307.3	1727.4	2370.7	3305.7	4079.3	4607.6	5137.1	5724.8	6383.6	7122.3
Education and Culture	788.3	959.9	1449.5	1727.9	2988.8	2603.9	3486.1	4606.5	6322.0	8815.2	10878.2	12286.9	13698.9	15266.2	17023.0	18992.8
Economic and Trade	82.8	107.7	67.4	245.3	370.7	325.5	435.8	575.8	790.2	1101.9	1359.8	1535.9	1712.4	1908.3	2127.9	2374.1
Works and Water	306.7	313.4	321.5	397.4	492.5	520.8	697.2	921.3	1264.4	1763.0	2175.6	2457.4	2739.8	3053.2	3404.6	3798.6
Resources and Environment	87.3	92.6	142.1	206.6	274.3	260.4	348.6	460.7	632.2	881.5	1087.8	1228.7	1369.9	1526.6	1702.3	1899.3
Agriculture and Livestock	23.1	17.2	49.5	0.0	0.0	65.1	87.2	115.2	158.0	220.4	272.0	307.2	342.5	381.7	425.6	474.8
Human Resources	18.8	0.0	0.0	0.0	0.0	65.1	87.2	115.2	158.0	220.4	272.0	307.2	342.5	381.7	425.6	474.8
Adjustment or Service Capital	0.0	0.0	37.4	0.0	0.0	65.1	87.2	115.2	158.0	220.4	272.0	307.2	342.5	381.7	425.6	474.8
Health and Social Welfare	507.8	716.1	798.2	1030.7	1451.5	1627.5	2178.8	2879.1	3951.2	5509.5	6798.9	7679.3	8561.8	9541.3	10639.4	11870.5
Solid Waste Management	110.0	137.5	178.8	220.6	316.4	325.5	418.3	529.7	695.4	925.6	1087.8	1167.3	1232.9	1297.6	1361.8	1424.5
Others	397.8	578.6	619.4	810.1	1135.1	1302.0	1760.5	2349.3	3255.8	4583.9	5711.1	6512.0	7328.9	8243.7	9277.5	10446.0
Share in Total (%)																
Year	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Revenue Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Finance and Administration	9.5	18.1	17.3	18.3	15.4	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
Education and Culture	39.3	35.6	41.8	39.1	45.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
Economic and Trade	4.1	4.0	1.9	5.6	5.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Works and Water	15.3	11.6	9.3	9.0	7.5	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Resources and Environment	4.4	3.4	4.1	4.7	4.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Agriculture and Livestock	1.2	0.6	1.4	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Human Resources	0.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Adjustment or Service Capital	0.0	0.0	1.1	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Health and Social Welfare	25.3	26.6	23.0	23.3	22.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Solid Waste Management	5.5	5.1	5.2	5.0	4.8	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0
Others	19.8	21.5	17.9	18.3	17.2	20.0	20.2	20.4	20.6	20.8	21.0	21.2	21.4	21.6	21.8	22.0

Table A-21 Alternative Scenarios for DCC's Revenue

Revenue	Expenditure	Scenario	Item	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Optimistic	Optimistic	Scenario 1	Revenue Estimate	5988.0	5909.9	7911.9	10454.9	14348.3	20006.9	24689.2	27886.2	31090.9	34647.9	38635.2	43105.9
			Budget Share	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0
			Allocated Budget	287.2	295.5	411.4	564.6	803.5	1160.4	1481.3	1728.9	1989.8	2286.8	2627.2	3017.4
	Moderate	Scenario 2	Revenue Estimate	5988.0	5909.9	7911.9	10454.9	14348.3	20006.9	24689.2	27886.2	31090.9	34647.9	38635.2	43105.9
			Budget Share	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
			Allocated Budget	287.2	295.5	395.6	522.7	717.4	1000.3	1234.5	1394.3	1554.5	1732.4	1931.8	2155.3
	Pessimistic	Scenario 3	Revenue Estimate	5988.0	5909.9	7911.9	10454.9	14348.3	20006.9	24689.2	27886.2	31090.9	34647.9	38635.2	43105.9
			Budget Share	4.8	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0
			Allocated Budget	287.2	295.5	379.8	480.9	631.3	840.3	987.6	1059.7	1119.3	1178.0	1236.3	1293.2
	Moderate	Scenario 4	Revenue Estimate	5988.0	5909.9	7312.6	8859.8	10963.3	13855.8	17858.8	23291.9	29256.6	33298.8	37367.8	41980.9
			Budget Share	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0
			Allocated Budget	287.2	295.5	380.3	478.4	613.9	803.6	1071.5	1444.1	1872.4	2197.7	2541.0	2938.7
	Moderate	Scenario 5	Revenue Estimate	5988.0	5909.9	7312.6	8859.8	10963.3	13855.8	17858.8	23291.9	29256.6	33298.8	37367.8	41980.9
			Budget Share	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
			Allocated Budget	287.2	295.5	365.6	443.0	548.2	692.8	892.9	1164.6	1462.8	1664.9	1868.4	2099.0
	Pessimistic	Scenario 6	Revenue Estimate	5988.0	5909.9	7312.6	8859.8	10963.3	13855.8	17858.8	23291.9	29256.6	33298.8	37367.8	41980.9
			Budget Share	4.8	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0
			Allocated Budget	287.2	295.5	351.0	407.5	482.4	581.9	714.4	885.1	1053.2	1132.2	1195.8	1259.4
	Pessimistic	Scenario 7	Revenue Estimate	5988.0	5909.9	6713.1	7484.2	8392.0	9467.0	10747.8	12282.6	14132.0	16372.5	19100.5	22437.7
			Budget Share	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0
			Allocated Budget	287.2	295.5	349.1	404.1	470.0	549.1	644.9	761.5	904.4	1080.6	1298.8	1570.6
	Moderate	Scenario 8	Revenue Estimate	5988.0	5909.9	6713.1	7484.2	8392.0	9467.0	10747.8	12282.6	14132.0	16372.5	19100.5	22437.7
			Budget Share	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
			Allocated Budget	287.2	295.5	335.7	374.2	419.6	473.4	537.4	614.1	706.6	818.6	955.0	1121.9
	Pessimistic	Scenario 9	Revenue Estimate	5988.0	5909.9	6713.1	7484.2	8392.0	9467.0	10747.8	12282.6	14132.0	16372.5	19100.5	22437.7
			Budget Share	4.8	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0
			Allocated Budget	287.2	295.5	322.2	344.3	369.2	397.6	429.9	466.7	508.8	556.7	611.2	673.1

Table A-22 Financial Planning (Case A-1-a : Cost = All Loan, Revenue Source = Joint Billing + Tax, Revenue Forecast = Optimistic)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	5634	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportatio	million Tsh.	5098	1407	1864	4832	1434	2226	478	0
1.1.1.1 Collection and Transportatio	million Tsh.	3644	1384	1691	298	1284	1496	478	0
1.1.2 Final Disposal	million Tsh.	1431	0	150	4534	150	730	0	0
1.1.3 Road Sweeping	million Tsh.	23	23	23	0	0	0	0	0
1.2 Operation and Maintenance	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.2.1 Labour	million Tsh.	0	240	285	335	378	406	459	0
1.2.2 Fuel and Materials	million Tsh.	0	324	421	554	430	732	850	0
1.2.3 Repair	million Tsh.	0	406	526	684	777	902	1050	0
1.3 Indirect Cost	million Tsh.	536	142	164	202	215	241	268	0
1.3.1 Workshop	million Tsh.	342	54	64	80	91	104	119	0
1.3.2 Motor Pool	million Tsh.	0	7	7	7	7	7	7	0
1.3.3 Administration	million Tsh.	194	81	93	115	117	130	142	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	804	1948	2564	3156	3933	4575	5311	7372
2.2 Joint Billing (Household)	million Tsh.	804	1160	1481	1729	1990	2287	2627	0
2.2.1 Tariff	Tsh./household/month	0	377	531	701	1006	1203	1430	0
2.2.2 Number of Households	households	0	1250	1250	1250	1250	1250	1250	0
2.2.3 Waste Collection Rate	%	0.0	20.7	27.0	33.0	43.6	47.9	52.0	0.0
2.2.4 RCC Collection Rate	%	0.0	20.0	20.0	20.0	20.0	20.0	20.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	410	552	725	937	1085	1254	0
2.3.1 Tariff	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.3.2 Waste Collection Amount	ton/year	0	41019	55170	72542	93698	108482	125420	0
2.3.3 RCC Collection Rate	%	0.0	50.0	50.0	50.0	50.0	50.0	50.0	0.0
2.4 Special RCC	million Tsh.	0	0	0	0	0	0	0	0
2.4.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.4.2 Waste Collection Amount	ton/day	0	0	0	0	0	0	0	0
2.4.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	7372
3. Balance	million Tsh.	-4830	-571	-696	-3451	699	68	2206	7372

Table A-23 Financial Planning (Case A-1-b : Cost = All Loan, Revenue Source = Joint Billing + Tax, Revenue Forecast = Moderate)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	5634	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportatio	million Tsh.	5098	1407	1884	4832	1434	2226	478	0
1.1.1.1 Collection and Transportatio	million Tsh.	3644	1384	1691	298	1284	1496	478	0
1.1.1.2 Final Disposal	million Tsh.	1431	0	150	4534	150	730	0	0
1.1.3 Road Sweeping	million Tsh.	23	23	23	0	0	0	0	0
1.2 Operation and Maintenance	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.2.1 Labour	million Tsh.	0	240	285	335	378	406	459	0
1.2.2 Fuel and Materials	million Tsh.	0	324	421	554	430	732	850	0
1.2.3 Repair	million Tsh.	0	406	526	684	777	902	1050	0
1.3 Indirect Cost	million Tsh.	536	142	164	202	215	241	268	0
1.3.1 Workshop	million Tsh.	342	54	64	80	91	104	119	0
1.3.2 Motor Pool	million Tsh.	0	7	7	7	7	7	7	0
1.3.3 Administration	million Tsh.	194	81	93	115	117	130	142	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	548	1480	1975	2591	3406	3953	4553	7372
2.2 Joint Billing (Household)	million Tsh.	548	683	893	1165	1463	1665	1868	0
2.2.1 Tariff	Tsh./household/month	0	377	531	701	1006	1203	1430	0
2.2.2 Number of Households	households	0	1250	1250	1250	1250	1250	1250	0
2.2.3 Waste Collection Rate	%	0.0	20.7	27.0	33.0	43.6	47.9	52.0	0.0
2.2.4 RCC Collection Rate	%	0.0	20.0	20.0	20.0	20.0	20.0	20.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	410	552	725	937	1085	1254	0
2.3.1 Tariff	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.3.2 Waste Collection Amount	ton/year	0	41019	55170	72542	93698	108482	125420	0
2.3.3 RCC Collection Rate	%	0.0	50.0	50.0	50.0	50.0	50.0	50.0	0.0
2.4 Special RCC	million Tsh.	0	0	0	0	0	0	0	0
2.4.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.4.2 Waste Collection Amount	ton/day	0	0	0	0	0	0	0	0
2.4.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	0
3. Balance	million Tsh.	-5086	-1039	-1285	-4016	172	-554	1448	7372

Table A-24 Financial Planning (Case A-1-c : Cost = All Loan, Revenue Source = Joint Billing + Tax, Revenue Forecast = Pessimistic)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	5634	2519	3260	6607	3227	4507	3105	0
1.1.1 Collection and Transportatio	million Tsh.	5098	1407	1864	4832	1434	2226	478	0
1.1.2 Final Disposal	million Tsh.	1431	0	150	4534	150	730	0	0
1.1.3 Road Sweeping	million Tsh.	23	23	23	0	0	0	0	0
1.2 Operation and Maintenance	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.2.1 Labour	million Tsh.	0	240	285	335	378	406	459	0
1.2.2 Fuel and Materials	million Tsh.	0	324	421	554	430	732	850	0
1.2.3 Repair	million Tsh.	0	406	526	684	777	902	1050	0
1.3 Indirect Cost	million Tsh.	536	142	164	202	208	241	268	0
1.3.1 Workshop	million Tsh.	342	54	64	80	91	104	119	0
1.3.2 Motor Pool	million Tsh.	0	7	7	7	0	7	7	0
1.3.3 Administration	million Tsh.	194	81	93	115	117	130	142	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	369	1185	1512	1894	2452	2845	3295	7372
2.2 Joint Billing (Household)	million Tsh.	0	377	531	701	1036	1203	1430	0
2.2.1 Tariff	Tsh./household/month	0	1250	1250	1250	1250	1250	1250	0
2.2.2 Number of Households	households	0	60771	655162	708474	768942	837490	916628	0
2.2.3 Waste Collection Rate	%	0.0	20.7	27.0	33.0	43.6	47.9	52.0	0.0
2.2.4 RCC Collection Rate	%	0.0	20.0	20.0	20.0	20.0	20.0	20.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	410	552	725	937	1085	1254	0
2.3.1 Tariff	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.3.2 Waste Collection Amount	ton/year	0	41019	55170	72542	93698	108482	125420	0
2.3.3 RCC Collection Rate	%	0.0	50.0	50.0	50.0	50.0	50.0	50.0	0.0
2.4 Special RCC	million Tsh.	0	0	0	0	0	0	0	0
2.4.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.4.2 Waste Collection Amount	ton/day	0	0	0	0	0	0	0	0
2.4.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	0
3. Balance	million Tsh.	-5265	-1334	-1748	-4713	-775	-1662	190	7372

Table A-25 Financial Planning (Case A-2-a : Cost = All Loan, Revenue Source = Special RCC + Tax, Revenue Forecast = Optimistic)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	5634	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportatio	million Tsh.	5098	1407	1864	4832	1434	2226	478	0
1.1.1.1 Final Disposal	million Tsh.	3644	1384	1691	298	1284	1496	478	0
1.1.1.2 Final Disposal	million Tsh.	1431	0	150	4534	150	730	0	0
1.1.3 Road Sweeping	million Tsh.	23	23	23	0	0	0	0	0
1.2 Operation and Maintenance	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.2.1 Labour	million Tsh.	0	240	285	335	378	406	459	0
1.2.2 Fuel and Materials	million Tsh.	0	324	421	554	430	732	850	0
1.2.3 Repair	million Tsh.	0	406	526	684	777	902	1050	0
1.3 Indirect Cost	million Tsh.	536	142	164	202	215	241	268	0
1.3.1 Workshop	million Tsh.	342	54	64	80	91	104	119	0
1.3.2 Motor Pool	million Tsh.	0	7	7	7	7	7	7	0
1.3.3 Administration	million Tsh.	194	81	93	115	117	130	142	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	804	1817	2364	2890	3489	4022	4634	7372
2.2 Joint Billing (Household)	million Tsh.	0	0	0	0	0	0	0	0
2.2.1 Tariff	Tsh./household/month	0	0	0	0	0	0	0	0
2.2.2 Number of Households	households	0	0	0	0	0	0	0	0
2.2.3 Waste Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2.4 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	0	0	0	0	0	0	0
2.3.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.3.2 Waste Collection Amount	ton/year	0	0	0	0	0	0	0	0
2.3.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.4 Special RCC									
2.4.1 Tariff	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.4.2 Waste Collection Amount	ton/day	0	41019	55170	72542	93698	108482	125420	0
2.4.3 RCC Collection Rate	%	0.0	80.0	80.0	80.0	80.0	80.0	80.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	7372
3. Balance	million Tsh.	-4830	-702	-896	-3717	255	-485	1529	7372

Table A-26 Financial Planning (Case A-2-b : Cost = All Loan, Revenue Source = Special RCC + Tax, Revenue Forecast = Moderate)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	5634	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportatic	million Tsh.	5098	1407	1864	4832	1434	2226	478	0
1.1.1.1 Final Disposal	million Tsh.	3644	1384	1691	298	1284	1496	478	0
1.1.1.2 Road Sweeping	million Tsh.	1431	0	150	4534	150	730	0	0
1.1.1.3 Operation and Maintenance	million Tsh.	23	23	23	0	0	0	0	0
1.2.1 Labour	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.2.2 Fuel and Materials	million Tsh.	0	240	285	335	378	406	459	0
1.2.3 Repair	million Tsh.	0	324	421	554	430	732	850	0
1.3 Indirect Cost	million Tsh.	0	406	526	684	777	902	1050	0
1.3.1 Workshop	million Tsh.	536	142	164	202	215	241	268	0
1.3.2 Motor Pool	million Tsh.	342	54	64	80	91	104	119	0
1.3.3 Administration	million Tsh.	0	7	7	7	7	7	7	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	548	1349	1776	2325	2962	3401	3875	7372
2.2 Joint Billing (Household)	million Tsh.	548	693	893	1165	1463	1665	1868	0
2.2.1 Tariff	Tsh./household/month	0	0	0	0	0	0	0	0
2.2.2 Number of Households	households	0	0	0	0	0	0	0	0
2.2.3 Waste Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2.4 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	0	0	0	0	0	0	0
2.3.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.3.2 Waste Collection Amount	ton/year	0	0	0	0	0	0	0	0
2.3.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.4 Special RCC	million Tsh.	0	656	883	1161	1499	1736	2007	0
2.4.1 Tariff	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.4.2 Waste Collection Amount	ton/day	0	41019	55170	72542	93698	108482	125420	0
2.4.3 RCC Collection Rate	%	0.0	80.0	80.0	80.0	80.0	80.0	80.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	0
3. Balance	million Tsh.	-5086	-1170	-1484	-4282	-272	-1106	770	7372

Table A-27 Financial Planning (Case A-2-c : Cost = All Loan, Revenue Source = Special RCC + Tax, Revenue Forecast = Pessimistic)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	5634	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportatio	million Tsh.	5098	1407	1864	4832	1434	2226	478	0
1.1.1.1 Collection and Transportatio	million Tsh.	3644	1384	1691	298	1284	1496	478	0
1.1.2 Final Disposal	million Tsh.	1431	0	150	4534	150	730	0	0
1.1.3 Road Sweeping	million Tsh.	23	23	23	0	0	0	0	0
1.2 Operation and Maintenance	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.2.1 Labour	million Tsh.	0	240	285	335	378	406	459	0
1.2.2 Fuel and Materials	million Tsh.	0	324	421	554	430	732	850	0
1.2.3 Repair	million Tsh.	0	406	526	684	777	902	1050	0
1.3 Indirect Cost	million Tsh.	536	142	164	202	215	241	288	0
1.3.1 Workshop	million Tsh.	342	54	64	80	91	104	119	0
1.3.2 Motor Pool	million Tsh.	0	7	7	7	7	7	7	0
1.3.3 Administration	million Tsh.	194	81	93	115	117	130	142	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	369	1054	1313	1627	2008	2292	2618	7372
2.2 Joint Billing (Household)	million Tsh.	369	398	430	467	509	557	611	0
2.2.1 Tariff	million Tsh.	0	0	0	0	0	0	0	0
2.2.2 Number of Households	Tsh./household/month	0	0	0	0	0	0	0	0
2.2.3 Waste Collection Rate	households	0	0	0	0	0	0	0	0
2.2.4 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3 Joint Billing (Others)	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3.1 Tariff	million Tsh.	0	0	0	0	0	0	0	0
2.3.2 Waste Collection Amount	Tsh./ton	0	0	0	0	0	0	0	0
2.3.3 RCC Collection Rate	ton/year	0	0	0	0	0	0	0	0
2.4 Special RCC	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.4.1 Tariff	million Tsh.	0	656	883	1161	1499	1736	2007	0
2.4.2 Waste Collection Amount	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.4.3 RCC Collection Rate	ton/day	0	41019	55170	72542	93698	108482	125420	0
2.5 Scrap Value	%	0.0	80.0	80.0	80.0	80.0	80.0	80.0	0.0
3. Balance	million Tsh.	-5265	-1465	-1947	-4980	-1226	-2215	-487	7372

Table A-28 Financial Planning (Case B-1-a : Cost = Partial Loan, Revenue Source = Joint Billing + Tax, Revenue Forecast = Optimistic)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	4203	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportation	million Tsh.	3667	1407	1864	4832	1434	2226	478	0
1.1.1.1 Final Disposal	million Tsh.	3644	1384	1691	298	1284	1496	478	0
1.1.1.2 Road Sweeping	million Tsh.	23	23	23	0	0	0	0	0
1.1.1.3 Operation and Maintenance	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.1.2 Labour	million Tsh.	0	240	285	335	378	406	459	0
1.1.2 Fuel and Materials	million Tsh.	0	324	421	554	430	732	850	0
1.1.3 Repair	million Tsh.	0	406	526	684	777	902	1050	0
1.3 Indirect Cost	million Tsh.	536	142	164	202	215	241	268	0
1.3.1 Workshop	million Tsh.	342	54	64	80	91	104	119	0
1.3.2 Motor Pool	million Tsh.	0	7	7	7	7	7	7	0
1.3.3 Administration	million Tsh.	194	81	93	115	117	130	142	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	804	1948	2564	3156	3933	4575	5311	7372
2.2 Joint Billing (Household)	million Tsh.	804	1160	1481	1729	1990	2287	2627	0
2.2.1 Tariff	Tsh./household/month	0	377	531	701	1006	1203	1430	0
2.2.2 Number of Households	households	0	60771	655162	708474	768942	837490	916628	0
2.2.3 Waste Collection Rate	%	0.0	20.7	27.0	33.0	43.6	47.9	52.0	0.0
2.2.4 RCC Collection Rate	%	0.0	20.0	20.0	20.0	20.0	20.0	20.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	410	552	725	937	1085	1254	0
2.3.1 Tariff	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.3.2 Waste Collection Amount	ton/year	0	41019	55170	72542	93698	108482	125420	0
2.3.3 RCC Collection Rate	%	0.0	50.0	50.0	50.0	50.0	50.0	50.0	0.0
2.4 Special RCC	million Tsh.	0	0	0	0	0	0	0	0
2.4.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.4.2 Waste Collection Amount	ton/day	0	0	0	0	0	0	0	0
2.4.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	7372
3. Balance	million Tsh.	-3399	-571	-696	-3451	699	68	2206	7372

Table A-29 Financial Planning (Case B-1-b : Cost = Partial Loan, Revenue Source = Joint Billing + Tax, Revenue Forecast = Moderate)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	4203	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportat	million Tsh.	3667	1407	1864	4832	1434	2226	478	0
1.1.1.1 Collection and Transportat	million Tsh.	3644	1384	1691	298	1284	1496	478	0
1.1.1.2 Final Disposal	million Tsh.	0	0	150	4534	150	730	0	0
1.1.1.3 Road Sweeping	million Tsh.	23	23	23	0	0	0	0	0
1.2 Operation and Maintenance	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.2.1 Labour	million Tsh.	0	240	285	335	378	406	459	0
1.2.2 Fuel and Materials	million Tsh.	0	324	421	554	430	732	850	0
1.2.3 Repair	million Tsh.	0	406	526	684	777	902	1050	0
1.3 Indirect Cost	million Tsh.	536	142	164	202	215	241	268	0
1.3.1 Workshop	million Tsh.	342	54	64	80	91	104	119	0
1.3.2 Motor Pool	million Tsh.	0	7	7	7	7	7	7	0
1.3.3 Administration	million Tsh.	194	81	93	115	117	130	142	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	548	1480	1975	2591	3406	3953	4553	7372
2.2 Joint Billing (Household)	million Tsh.	548	693	893	1165	1463	1665	1868	0
2.2.1 Tariff	million Tsh.	0	377	531	701	1006	1203	1430	0
2.2.2 Number of Households	Tsh./household/month	0	1250	1250	1250	1250	1250	1250	0
2.2.3 Waste Collection Rate	households	0	60771	655162	708474	768942	837490	916628	0
2.2.4 RCC Collection Rate	%	0.0	20.7	27.0	33.0	43.6	47.9	52.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	0	20.0	20.0	20.0	20.0	20.0	0.0
2.3.1 Tariff	million Tsh.	0	410	552	725	937	1085	1254	0
2.3.2 Waste Collection Amount	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.3.3 RCC Collection Rate	ton/year	0	41019	55170	72542	93698	108482	125420	0
2.4 Special RCC	%	0.0	50.0	50.0	50.0	50.0	50.0	50.0	0.0
2.4.1 Tariff	million Tsh.	0	0	0	0	0	0	0	0
2.4.2 Waste Collection Amount	Tsh./ton	0	0	0	0	0	0	0	0
2.4.3 RCC Collection Rate	ton/day	0	0	0	0	0	0	0	0
2.5 Scrap Value	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. Balance	million Tsh.	-3655	-1039	-1285	-4016	172	-554	1448	7372

Table A-30 Financial Planning (Case B-1-c : Cost = Partial Loan, Revenue Source = Joint Billing + Tax, Revenue Forecast = Pessimistic)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	4203	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportatio	million Tsh.	3667	1407	1864	4832	1434	2226	478	0
1.1.1.1 Final Disposal	million Tsh.	3644	1384	1691	298	1284	1496	478	0
1.1.1.2 Road Sweeping	million Tsh.	0	0	150	4534	150	730	0	0
1.1.1.3 Operation and Maintenance	million Tsh.	23	23	23	0	0	0	0	0
1.1.2 Labour	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.1.2.1 Fuel and Materials	million Tsh.	0	240	285	335	378	406	459	0
1.1.2.2 Repair	million Tsh.	0	324	421	554	430	732	850	0
1.1.2.3 Indirect Cost	million Tsh.	0	406	526	684	777	902	1050	0
1.1.3 Workshop	million Tsh.	536	142	164	202	215	241	268	0
1.1.3.1 Motor Pool	million Tsh.	342	54	64	80	91	104	119	0
1.1.3.2 Administration	million Tsh.	0	7	7	7	7	7	7	0
1.1.3.3 Revenues	million Tsh.	194	81	93	115	117	130	142	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	369	1185	1512	1894	2452	2845	3295	7372
2.2 Joint Billing (Household)	million Tsh.	369	398	430	467	509	557	611	0
2.2.1 Tariff	Tsh./household/month	0	377	531	701	1006	1203	1430	0
2.2.2 Number of Households	households	0	1250	1250	1250	1250	1250	1250	0
2.2.3 Waste Collection Rate	%	0.0	20.7	27.0	33.0	43.6	47.9	52.0	0.0
2.2.4 RCC Collection Rate	%	0.0	20.0	20.0	20.0	20.0	20.0	20.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	410	552	725	937	1085	1254	0
2.3.1 Tariff	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.3.2 Waste Collection Amount	ton/year	0	41019	55170	72542	93698	108482	125420	0
2.3.3 RCC Collection Rate	%	0.0	50.0	50.0	50.0	50.0	50.0	50.0	0.0
2.4 Special RCC	million Tsh.	0	0	0	0	0	0	0	0
2.4.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.4.2 Waste Collection Amount	ton/day	0	0	0	0	0	0	0	0
2.4.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	0
3. Balance	million Tsh.	-3834	-1334	-1748	-4713	-782	-1662	190	7372

Table A-31 Financial Planning (Case B-2-a : Cost = Partial Loan, Revenue Source = Special RCC + Tax, Revenue Forecast = Optimistic)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	4203	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportatio	million Tsh.	3667	1407	1864	4832	1434	2226	478	0
1.1.1.1 Collection and Transportatio	million Tsh.	3644	1384	1691	298	1284	1496	478	0
1.1.1.2 Final Disposal	million Tsh.	0	0	150	4534	150	730	0	0
1.1.1.3 Road Sweeping	million Tsh.	23	23	23	0	0	0	0	0
1.2 Operation and Maintenance	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.2.1 Labour	million Tsh.	0	240	285	335	378	406	459	0
1.2.2 Fuel and Materials	million Tsh.	0	324	421	554	430	732	850	0
1.2.3 Repair	million Tsh.	0	406	526	684	777	902	1050	0
1.3 Indirect Cost	million Tsh.	536	142	164	202	215	241	268	0
1.3.1 Workshop	million Tsh.	342	54	64	80	91	104	119	0
1.3.2 Motor Pool	million Tsh.	0	7	7	7	7	7	7	0
1.3.3 Administration	million Tsh.	194	81	93	115	117	130	142	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	804	1817	2364	2890	3489	4022	4634	7372
2.2 Joint Billing (Household)	million Tsh.	804	1160	1481	1729	1990	2287	2627	0
2.2.1 Billing (Household)	million Tsh.	0	0	0	0	0	0	0	0
2.2.1 Tariff	Tsh./household/month	0	0	0	0	0	0	0	0
2.2.2 Number of Households	households	0	0	0	0	0	0	0	0
2.2.3 Waste Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2.4 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	0	0	0	0	0	0	0
2.3.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.3.2 Waste Collection Amount	ton/year	0	0	0	0	0	0	0	0
2.3.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.4 Special RCC	million Tsh.	0	656	883	1161	1499	1736	2007	0
2.4.1 Tariff	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.4.2 Waste Collection Amount	ton/day	0	41019	55170	72542	93698	108482	125420	0
2.4.3 RCC Collection Rate	%	0.0	80.0	80.0	80.0	80.0	80.0	80.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	7372
3. Balance	million Tsh.	-3399	-702	-896	-3717	255	-485	1529	7372

Table A-32 Financial Planning (Case B-2-b : Cost = Partial Loan, Revenue Source = Special RCC + Tax, Revenue Forecast = Moderate)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	4203	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportation	million Tsh.	3667	1407	1864	4832	1434	2226	478	0
1.1.1.1 Final Disposal	million Tsh.	3644	1384	1691	298	1284	1496	478	0
1.1.1.2 Final Disposal	million Tsh.	0	0	150	4534	150	730	0	0
1.1.3 Road Sweeping	million Tsh.	23	23	23	0	0	0	0	0
1.2 Operation and Maintenance	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.2.1 Labour	million Tsh.	0	240	285	335	378	406	459	0
1.2.2 Fuel and Materials	million Tsh.	0	324	421	554	430	732	850	0
1.2.3 Repair	million Tsh.	0	406	526	684	777	902	1050	0
1.3 Indirect Cost	million Tsh.	536	142	164	202	215	241	268	0
1.3.1 Workshop	million Tsh.	342	54	64	80	91	104	119	0
1.3.2 Motor Pool	million Tsh.	0	7	7	7	7	7	7	0
1.3.3 Administration	million Tsh.	194	81	93	115	117	130	142	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	548	1348	1776	2325	2982	3401	3875	7372
2.2 Joint Billing (Household)	million Tsh.	0	0	0	0	0	0	0	0
2.2.1 Tariff	Tsh./household/month	0	0	0	0	0	0	0	0
2.2.2 Number of Households	households	0	0	0	0	0	0	0	0
2.2.3 Waste Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2.4 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	0	0	0	0	0	0	0
2.3.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.3.2 Waste Collection Amount	ton/year	0	0	0	0	0	0	0	0
2.3.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.4 Special RCC	million Tsh.	0	656	883	1161	1499	1736	2007	0
2.4.1 Tariff	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.4.2 Waste Collection Amount	ton/day	0	41019	55170	72542	93698	108482	125420	0
2.4.3 RCC Collection Rate	%	0.0	80.0	80.0	80.0	80.0	80.0	80.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	7372
3. Balance	million Tsh.	-3655	-1170	-1484	-4282	-272	-1106	770	7372

Table A-33 Financial Planning (Case B-2-c : Cost = Partial Loan, Revenue Source = Special RCC + Tax, Revenue Forecast = Pessimistic)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs	million Tsh.	4203	2519	3250	6607	3234	4507	3105	0
1.1. Investment Cost	million Tsh.	3667	1407	1864	4832	1434	2226	478	0
1.1.1. Collection and Transportation	million Tsh.	3644	1384	1691	298	1284	1496	478	0
1.1.2. Final Disposal	million Tsh.	0	0	150	4534	150	730	0	0
1.1.3. Road Sweeping	million Tsh.	23	23	23	0	0	0	0	0
1.2. Operation and Maintenance	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.2.1. Labour	million Tsh.	0	240	285	335	378	406	459	0
1.2.2. Fuel and Materials	million Tsh.	0	324	421	554	430	732	850	0
1.2.3. Repair	million Tsh.	0	406	526	684	777	902	1050	0
1.3. Indirect Cost	million Tsh.	536	142	164	202	215	241	268	0
1.3.1. Workshop	million Tsh.	342	54	64	80	91	104	119	0
1.3.2. Motor Pool	million Tsh.	0	7	7	7	7	7	7	0
1.3.3. Administration	million Tsh.	194	81	93	115	117	130	142	0
2. Revenues	million Tsh.	369	1054	1313	1627	2008	2292	2618	7372
2.1. Special Account from DCC Tax	million Tsh.	369	398	430	467	509	557	611	0
2.2. Joint Billing (Household)	million Tsh.	0	0	0	0	0	0	0	0
2.2.1. Tariff	Tsh./household/month	0	0	0	0	0	0	0	0
2.2.2. Number of Households	households	0	0	0	0	0	0	0	0
2.2.3. Waste Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2.4. RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3. Joint Billing (Others)	million Tsh.	0	0	0	0	0	0	0	0
2.3.1. Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.3.2. Waste Collection Amount	ton/year	0	0	0	0	0	0	0	0
2.3.3. RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.4. Special RCC	million Tsh.	0	656	883	1161	1499	1736	2007	0
2.4.1. Tariff	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.4.2. Waste Collection Amount	ton/day	0	41019	55170	72542	93698	108482	125420	0
2.4.3. RCC Collection Rate	%	0.0	80.0	80.0	80.0	80.0	80.0	80.0	0.0
2.5. Scrap Value	million Tsh.	0	0	0	0	0	0	0	7372
3. Balance	million Tsh.	-3834	-1465	-1947	-4980	-1226	-2215	-487	7372

Table A-34 Financial Planning (Case C-1-a : Cost = All Grant, Revenue Source = Joint Billing + Tax, Revenue Forecast = Optimistic)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	194	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportation	million Tsh.	0	1407	1864	4832	1434	2226	478	0
1.1.2 Final Disposal	million Tsh.	0	1384	1691	298	1284	1496	478	0
1.1.3 Road Sweeping	million Tsh.	0	23	23	4534	150	730	0	0
1.2 Operation and Maintenance	million Tsh.	0	970	1232	1573	1595	2040	2359	0
1.2.1 Labour	million Tsh.	0	240	285	335	378	406	459	0
1.2.2 Fuel and Materials	million Tsh.	0	324	421	554	430	732	850	0
1.2.3 Repair	million Tsh.	0	406	526	684	777	902	1050	0
1.3 Indirect Cost	million Tsh.	194	142	164	202	215	241	268	0
1.3.1 Workshop	million Tsh.	0	54	64	80	91	104	119	0
1.3.2 Motor Pool	million Tsh.	0	7	7	7	7	7	7	0
1.3.3 Administration	million Tsh.	194	81	93	115	117	130	142	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	804	1948	2564	3156	3933	4575	5311	7372
2.2 Joint Billing (Household)	million Tsh.	804	1160	1481	1729	1990	2287	2627	0
2.2.1 Tariff	Tsh./household/month	0	377	531	701	1006	1203	1430	0
2.2.2 Number of Households	households	0	1250	1250	1250	1250	1250	1250	0
2.2.3 Waste Collection Rate	%	0.0	607771	655162	708474	768942	837490	916628	0
2.2.4 RCC Collection Rate	%	0.0	20.7	27.0	33.0	43.6	47.9	52.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	20.0	20.0	20.0	20.0	20.0	20.0	0.0
2.3.1 Tariff	Tsh./ton	0	410	552	725	937	1085	1254	0
2.3.2 Waste Collection Amount	ton/year	0	20000	20000	20000	20000	20000	20000	0
2.3.3 RCC Collection Rate	%	0.0	41019	55170	72542	93698	108482	125420	0
2.4 Special RCC	million Tsh.	0	50.0	50.0	50.0	50.0	50.0	50.0	0.0
2.4.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.4.2 Waste Collection Amount	ton/day	0	0	0	0	0	0	0	0
2.4.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	7372
3. Balance	million Tsh.	610	-571	-696	-3451	699	68	2206	7372

Table A-35 Financial Planning (Case C-1-b : Cost = All Grant, Revenue Source = Joint Billing + Tax, Revenue Forecast = Moderate)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	194	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportatio	million Tsh.	0	1407	1864	4832	1434	2226	478	0
1.1.1.1 Final Disposal	million Tsh.	0	0	150	4534	150	730	0	0
1.1.1.2 Final Disposal	million Tsh.	0	23	23	0	0	0	0	0
1.1.1.3 Road Sweeping	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.2 Operation and Maintenance	million Tsh.	0	240	285	335	378	406	459	0
1.2.1 Labour	million Tsh.	0	324	421	554	430	732	850	0
1.2.2 Fuel and Materials	million Tsh.	0	406	526	684	777	902	1050	0
1.2.3 Repair	million Tsh.	194	142	164	202	215	241	268	0
1.3 Indirect Cost	million Tsh.	0	54	64	80	91	104	119	0
1.3.1 Workshop	million Tsh.	0	7	7	7	7	7	7	0
1.3.2 Motor Pool	million Tsh.	194	81	93	115	117	130	142	0
1.3.3 Administration	million Tsh.	548	1480	1975	2591	3406	3953	4553	7372
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	548	693	893	1165	1463	1665	1868	0
2.2 Joint Billing (Household)	million Tsh.	0	377	531	701	1006	1203	1430	0
2.2.1 Tariff	Tsh./household/month	0	1250	1250	1250	1250	1250	1250	0
2.2.2 Number of Households	households	0	60771	655162	708474	768942	837490	916628	0
2.2.3 Waste Collection Rate	%	0.0	20.7	27.0	33.0	43.6	47.9	52.0	0.0
2.2.4 RCC Collection Rate	%	0.0	20.0	20.0	20.0	20.0	20.0	20.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	410	552	725	937	1085	1254	0
2.3.1 Tariff	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.3.2 Waste Collection Amount	ton/year	0	41018	55170	72542	93698	108482	125420	0
2.3.3 RCC Collection Rate	%	0.0	50.0	50.0	50.0	50.0	50.0	50.0	0.0
2.4 Special RCC	million Tsh.	0	0	0	0	0	0	0	0
2.4.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.4.2 Waste Collection Amount	ton/day	0	0	0	0	0	0	0	0
2.4.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	0
3. Balance	million Tsh.	354	-1039	-1285	-4016	172	-554	1448	7372

Table A-36 Financial Planning (Case C-1-c : Cost = All Grant, Revenue Source = Joint Billing + Tax, Revenue Forecast = Pessimistic)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	194	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportation	million Tsh.	0	1407	1864	4832	1434	2226	478	0
1.1.1.1 Final Disposal	million Tsh.	0	1384	1691	298	1284	1496	478	0
1.1.1.2 Road Sweeping	million Tsh.	0	0	150	4534	150	730	0	0
1.1.1.3 Operation and Maintenance	million Tsh.	0	23	23	0	0	0	0	0
1.1.2 Labour	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.1.2.1 Fuel and Materials	million Tsh.	0	240	285	335	378	406	459	0
1.1.2.2 Repair	million Tsh.	0	324	421	554	430	732	850	0
1.1.3 Indirect Cost	million Tsh.	0	406	526	684	777	902	1050	0
1.1.3.1 Workshop	million Tsh.	194	142	164	202	215	241	268	0
1.1.3.2 Motor Pool	million Tsh.	0	54	64	80	91	104	119	0
1.1.3.3 Administration	million Tsh.	194	7	7	7	7	7	7	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	369	1185	1512	1894	2452	2845	3295	7372
2.2 Joint Billing (Household)	million Tsh.	369	398	430	467	509	557	611	0
2.2.1 Tariff	Tsh./household/month	0	377	531	701	1006	1203	1430	0
2.2.2 Number of Households	households	0	1250	1250	1250	1250	1250	1250	0
2.2.3 Waste Collection Rate	%	0.0	20.7	27.0	33.0	43.6	47.9	52.0	0.0
2.2.4 RCC Collection Rate	%	0.0	20.0	20.0	20.0	20.0	20.0	20.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	410	552	725	937	1085	1254	0
2.3.1 Tariff	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.3.2 Waste Collection Amount	ton/year	0	41019	55170	72542	93698	108482	125420	0
2.3.3 RCC Collection Rate	%	0.0	50.0	50.0	50.0	50.0	50.0	50.0	0.0
2.4 Special RCC	million Tsh.	0	0	0	0	0	0	0	0
2.4.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.4.2 Waste Collection Amount	ton/day	0	0	0	0	0	0	0	0
2.4.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	7372
3. Balance	million Tsh.	175	-1334	-1748	-4713	-782	-1662	190	7372

Table A-37 Financial Planning (Case C-2-a : Cost = All Grant, Revenue Source = Special RCC + Tax, Revenue Forecast = Optimistic)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	194	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportation	million Tsh.	0	1407	1864	4832	1434	2226	478	0
1.1.2 Final Disposal	million Tsh.	0	1384	1691	298	1284	1496	478	0
1.1.3 Road Sweeping	million Tsh.	0	0	150	4534	150	730	0	0
1.2 Operation and Maintenance	million Tsh.	0	23	23	0	0	0	0	0
1.2.1 Labour	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.2.2 Fuel and Materials	million Tsh.	0	240	285	335	378	406	459	0
1.2.3 Repair	million Tsh.	0	324	421	554	430	732	850	0
1.3 Indirect Cost	million Tsh.	194	406	526	684	777	902	1050	0
1.3.1 Workshop	million Tsh.	0	142	164	202	215	241	268	0
1.3.2 Motor Pool	million Tsh.	0	54	64	80	91	104	119	0
1.3.3 Administration	million Tsh.	0	7	7	7	7	7	7	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	804	1817	2364	2890	3489	4022	4634	7372
2.2 Joint Billing (Household)	million Tsh.	804	1160	1481	1729	1990	2287	2627	0
2.2.1 Tariff	Tsh./household/month	0	0	0	0	0	0	0	0
2.2.2 Number of Households	households	0	0	0	0	0	0	0	0
2.2.3 Waste Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2.4 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	0	0	0	0	0	0	0
2.3.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.3.2 Waste Collection Amount	ton/year	0	0	0	0	0	0	0	0
2.3.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.4 Special RCC									
2.4.1 Tariff	million Tsh.	0	656	883	1161	1499	1736	2007	0
2.4.2 Waste Collection Amount	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.4.3 RCC Collection Rate	ton/day	0	41019	55170	72542	93698	108482	125420	0
2.4.4 Waste Collection Rate	%	0.0	80.0	80.0	80.0	80.0	80.0	80.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	7372
3. Balance	million Tsh.	610	-702	-896	-3717	255	-485	1529	7372

Table A-38 Financial Planning (Case C-2-b : Cost = All Grant, Revenue Source = Special RCC + Tax, Revenue Forecast = Moderate)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	194	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportation	million Tsh.	0	1407	1864	4832	1434	2226	478	0
1.1.2 Final Disposal	million Tsh.	0	1384	1691	298	1284	1496	478	0
1.1.3 Road Sweeping	million Tsh.	0	0	150	4534	150	730	0	0
1.2 Operation and Maintenance	million Tsh.	0	23	23	0	0	0	0	0
1.2.1 Labour	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.2.2 Fuel and Materials	million Tsh.	0	240	285	335	378	406	459	0
1.2.3 Repair	million Tsh.	0	324	421	554	430	732	850	0
1.3 Indirect Cost	million Tsh.	194	406	526	684	777	902	1050	0
1.3.1 Workshop	million Tsh.	0	142	164	202	215	241	268	0
1.3.2 Motor Pool	million Tsh.	0	54	64	80	91	104	119	0
1.3.3 Administration	million Tsh.	194	7	7	7	7	7	7	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	548	1349	1776	2325	2962	3401	3875	7372
2.2 Joint Billing (Household)	million Tsh.	548	693	893	1165	1463	1665	1868	0
2.2.1 Tariff	Tsh./household/month	0	0	0	0	0	0	0	0
2.2.2 Number of Households	households	0	0	0	0	0	0	0	0
2.2.3 Waste Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2.4 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	0	0	0	0	0	0	0
2.3.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.3.2 Waste Collection Amount	ton/year	0	0	0	0	0	0	0	0
2.3.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.4 Special RCC	million Tsh.	0	666	883	1161	1499	1736	2007	0
2.4.1 Tariff	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.4.2 Waste Collection Amount	ton/day	0	41019	55170	72542	93698	108482	125420	0
2.4.3 RCC Collection Rate	%	0.0	80.0	80.0	80.0	80.0	80.0	80.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	7372
3. Balance	million Tsh.	354	-1170	-1484	-4282	-272	-1106	770	7372

Table A-39 Financial Planning (Case C-2-c : Cost = All Grant, Revenue Source = Special RCC + Tax, Revenue Forecast = Pessimistic)

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	194	2519	3260	6607	3234	4507	3105	0
1.1.1 Collection and Transportatio	million Tsh.	0	1407	1864	4832	1434	2226	478	0
1.1.1.1 Final Disposal	million Tsh.	0	1384	1091	298	1284	1496	478	0
1.1.1.2 Road Sweeping	million Tsh.	0	0	150	4534	150	730	0	0
1.1.1.3 Operation and Maintenance	million Tsh.	0	23	23	0	0	0	0	0
1.1.2 Labour	million Tsh.	0	970	1232	1573	1585	2040	2359	0
1.1.2.1 Fuel and Materials	million Tsh.	0	240	285	335	378	406	459	0
1.1.2.2 Repair	million Tsh.	0	324	421	554	430	732	850	0
1.1.2.3 Indirect Cost	million Tsh.	0	406	526	684	777	902	1050	0
1.3.1 Workshop	million Tsh.	194	142	164	202	215	241	268	0
1.3.2 Motor Pool	million Tsh.	0	54	64	80	91	104	119	0
1.3.3 Administration	million Tsh.	0	7	7	7	7	7	7	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	369	1054	1313	1627	2008	2292	2618	7372
2.2 Joint Billing (Household)	million Tsh.	0	0	0	0	0	0	0	0
2.2.1 Tariff	Tsh./household/month	0	0	0	0	0	0	0	0
2.2.2 Number of Households	households	0	0	0	0	0	0	0	0
2.2.3 Waste Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.2.4 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	0	0	0	0	0	0	0
2.3.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.3.2 Waste Collection Amount	ton/year	0	0	0	0	0	0	0	0
2.3.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.4 Special RCC	million Tsh.	0	656	883	1161	1499	1736	2007	0
2.4.1 Tariff	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.4.2 Waste Collection Amount	ton/day	0	41019	55170	72542	93698	108482	125420	0
2.4.3 RCC Collection Rate	%	0.0	80.0	80.0	80.0	80.0	80.0	80.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	0
3. Balance	million Tsh.	175	-1465	-1947	-4980	-1226	-2215	-487	7372

Table A-40 FIRR (Case A-1-a: Most Optimistic)

FIRR = 1.52%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	5,098	536	5,634	804	-4,830	-4,830
2	2000	1,407	1,112	2,519	1,948	-571	-5,401
3	2001	1,864	1,396	3,260	2,564	-696	-6,098
4	2002	4,832	1,775	6,607	3,156	-3,451	-9,549
5	2003	1,434	1,800	3,234	3,933	699	-8,850
6	2004	2,226	2,281	4,507	4,575	68	-8,782
7	2005	478	2,627	3,105	5,311	2,206	-6,576
8	2006	0	0	0	7,372	7,372	796

Table A-41 FIRR (Case A-1-b: Most Likely)

FIRR = -5.38%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	5,098	536	5,634	548	-5,086	-5,086
2	2000	1,407	1,112	2,519	1,480	-1,039	-6,124
3	2001	1,864	1,396	3,260	1,975	-1,285	-7,409
4	2002	4,832	1,775	6,607	2,591	-4,016	-11,425
5	2003	1,434	1,800	3,234	3,406	172	-11,253
6	2004	2,226	2,281	4,507	3,953	-554	-11,807
7	2005	478	2,627	3,105	4,553	1,448	-10,359
8	2006	0	0	0	7,372	7,372	-2,987

Table A-42 FIRR (Case A-1-c: Most Pessimistic)

FIRR = -13.90%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	5,098	536	5,634	369	-5,265	-5,265
2	2000	1,407	1,112	2,519	1,185	-1,334	-6,599
3	2001	1,864	1,396	3,260	1,512	-1,748	-8,346
4	2002	4,832	1,775	6,607	1,894	-4,713	-13,060
5	2003	1,434	1,793	3,227	2,452	-775	-13,835
6	2004	2,226	2,281	4,507	2,845	-1,662	-15,497
7	2005	478	2,627	3,105	3,295	190	-15,307
8	2006	0	0	0	7,372	7,372	-7,935

Table A-43 FIRR (Case A-2-a: Most Optimistic)

FIRR = -2.83%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	5,098	536	5,634	804	-4,830	-4,830
2	2000	1,407	1,112	2,519	1,817	-702	-5,533
3	2001	1,864	1,396	3,260	2,364	-896	-6,429
4	2002	4,832	1,775	6,607	2,890	-3,717	-10,146
5	2003	1,434	1,800	3,234	3,489	255	-9,891
6	2004	2,226	2,281	4,507	4,022	-485	-10,376
7	2005	478	2,627	3,105	4,634	1,529	-8,847
8	2006	0	0	0	7,372	7,372	-1,475

Table A-44 FIRR (Case A-2-b: Most Likely)

FIRR = -8.91%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	5,098	536	5,634	548	-5,086	-5,086
2	2000	1,407	1,112	2,519	1,349	-1,170	-6,256
3	2001	1,864	1,396	3,260	1,776	-1,484	-7,740
4	2002	4,832	1,775	6,607	2,325	-4,282	-12,022
5	2003	1,434	1,800	3,234	2,962	-272	-12,294
6	2004	2,226	2,281	4,507	3,401	-1,106	-13,400
7	2005	478	2,359	2,837	3,875	1,038	-12,362
8	2006	0	0	0	7,372	7,372	-4,990

Table A-45 FIRR (Case A-2-c: Most Pessimistic)

FIRR = -17.79%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	5,098	536	5,634	369	-5,265	-5,265
2	2000	1,407	1,112	2,519	1,054	-1,465	-6,730
3	2001	1,864	1,396	3,260	1,313	-1,947	-8,677
4	2002	4,832	1,775	6,607	1,627	-4,980	-13,657
5	2003	1,434	1,800	3,234	2,008	-1,226	-14,883
6	2004	2,226	2,281	4,507	2,292	-2,215	-17,097
7	2005	478	2,627	3,105	2,618	-487	-17,585
8	2006	0	0	0	7,372	7,372	-10,213

Table A-46 FIRR (Case B-1-a: Most Optimistic)

FIRR = 4.88%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	3,667	536	4,203	804	-3,399	-3,399
2	2000	1,407	1,112	2,519	1,948	-571	-3,970
3	2001	1,864	1,396	3,260	2,564	-696	-4,667
4	2002	4,832	1,775	6,607	3,156	-3,451	-8,118
5	2003	1,434	1,800	3,234	3,933	699	-7,419
6	2004	2,226	2,281	4,507	4,575	68	-7,351
7	2005	478	2,627	3,105	5,311	2,206	-5,145
8	2006	0	0	0	7,372	7,372	2,227

Table A-47 FIRR (B-1-b: Most Likely)

FIRR = -3.14%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	3,667	536	4,203	548	-3,655	-3,655
2	2000	1,407	1,112	2,519	1,480	-1,039	-4,693
3	2001	1,864	1,396	3,260	1,975	-1,285	-5,978
4	2002	4,832	1,775	6,607	2,591	-4,016	-9,994
5	2003	1,434	1,800	3,234	3,406	172	-9,822
6	2004	2,226	2,281	4,507	3,953	-554	-10,376
7	2005	478	2,627	3,105	4,553	1,448	-8,928
8	2006	0	0	0	7,372	7,372	-1,556

Table A-48 FIRR (Case B-1-c: Most Pessimistic)

FIRR = -12.56%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	3,667	536	4,203	369	-3,834	-3,834
2	2000	1,407	1,112	2,519	1,185	-1,334	-5,168
3	2001	1,864	1,396	3,260	1,512	-1,748	-6,915
4	2002	4,832	1,775	6,607	1,894	-4,713	-11,629
5	2003	1,434	1,800	3,234	2,452	-782	-12,411
6	2004	2,226	2,281	4,507	2,845	-1,662	-14,073
7	2005	478	2,627	3,105	3,295	190	-13,883
8	2006	0	0	0	7,372	7,372	-6,511

Table A-49 FIRR (Case B-2-a: Most Optimistic)

FIRR =

-0.10%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	3,667	536	4,203	804	-3,399	-3,399
2	2000	1,407	1,112	2,519	1,817	-702	-4,102
3	2001	1,864	1,396	3,260	2,364	-896	-4,998
4	2002	4,832	1,775	6,607	2,890	-3,717	-8,715
5	2003	1,434	1,800	3,234	3,489	255	-8,460
6	2004	2,226	2,281	4,507	4,022	-485	-8,945
7	2005	478	2,627	3,105	4,634	1,529	-7,416
8	2006	0	0	0	7,372	7,372	-44

Table A-50 FIRR (Case B-2-b: Most Likely)

FIRR =

-7.66%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	3,667	536	4,203	548	-3,655	-3,655
2	2000	1,407	1,112	2,519	1,349	-1,170	-4,825
3	2001	1,864	1,396	3,260	1,776	-1,484	-6,309
4	2002	4,832	1,775	6,607	2,325	-4,282	-10,591
5	2003	1,434	1,800	3,234	2,962	-272	-10,863
6	2004	2,226	2,281	4,507	3,401	-1,106	-11,969
7	2005	478	2,627	3,105	3,875	770	-11,199
8	2006	0	0	0	7,372	7,372	-3,827

Table A-51 FIRR (Case B-2-c: Most Pessimistic)

FIRR =

-16.74%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	3,667	536	4,203	369	-3,834	-3,834
2	2000	1,407	1,112	2,519	1,054	-1,465	-5,299
3	2001	1,864	1,396	3,260	1,313	-1,947	-7,246
4	2002	4,832	1,775	6,607	1,627	-4,980	-12,226
5	2003	1,434	1,800	3,234	2,008	-1,226	-13,452
6	2004	2,226	2,281	4,507	2,292	-2,215	-15,666
7	2005	478	2,627	3,105	2,618	-487	-16,154
8	2006	0	0	0	7,372	7,372	-8,782

Table A-52 FIRR (Case C-1-a: Most Optimistic)

FIRR = 22.06%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	0	194	194	804	610	610
2	2000	1,407	1,112	2,519	1,948	-571	39
3	2001	1,864	1,396	3,260	2,564	-696	-658
4	2002	4,832	1,775	6,607	3,156	-3,451	-4,109
5	2003	1,434	1,800	3,234	3,933	699	-3,410
6	2004	2,226	2,281	4,507	4,575	68	-3,342
7	2005	478	2,627	3,105	5,311	2,206	-1,136
8	2006	0	0	0	7,372	7,372	6,236

Table A-53 FIRR (Case C-1-b: Most Likely)

FIRR = 8.34%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	0	194	194	548	354	354
2	2000	1,407	1,112	2,519	1,480	-1,039	-684
3	2001	1,864	1,396	3,260	1,975	-1,285	-1,969
4	2002	4,832	1,775	6,607	2,591	-4,016	-5,985
5	2003	1,434	1,800	3,234	3,406	172	-5,813
6	2004	2,226	2,281	4,507	3,953	-554	-6,367
7	2005	478	2,627	3,105	4,553	1,448	-4,919
8	2006	0	0	0	7,372	7,372	2,453

Table A-54 FIRR (Case C-1-c: Most Pessimistic)

FIRR = -7.05%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	0	194	194	369	175	175
2	2000	1,407	1,112	2,519	1,185	-1,334	-1,159
3	2001	1,864	1,396	3,260	1,512	-1,748	-2,906
4	2002	4,832	1,775	6,607	1,894	-4,713	-7,620
5	2003	1,434	1,800	3,234	2,452	-782	-8,402
6	2004	2,226	2,281	4,507	2,845	-1,662	-10,064
7	2005	478	2,627	3,105	3,295	190	-9,874
8	2006	0	0	0	7,372	7,372	-2,502

Table A-55 FIRR (Case C-2-a: Most Optimistic)

FIRR = 17.01%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	0	194	194	804	610	610
2	2000	1,407	1,112	2,519	1,817	-702	-93
3	2001	1,864	1,396	3,260	2,364	-896	-989
4	2002	4,832	1,775	6,607	2,890	-3,717	-4,706
5	2003	1,434	1,800	3,234	3,489	255	-4,451
6	2004	2,226	2,281	4,507	4,022	-485	-4,936
7	2005	478	2,627	3,105	4,634	1,529	-3,407
8	2006	0	0	0	7,372	7,372	3,965

Table A-56 FIRR (Case C-2-b: Most Likely)

FIRR = 0.57%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	0	194	194	548	354	354
2	2000	1,407	1,112	2,519	1,349	-1,170	-816
3	2001	1,864	1,396	3,260	1,776	-1,484	-2,300
4	2002	4,832	1,775	6,607	2,325	-4,282	-6,582
5	2003	1,434	1,800	3,234	2,962	-272	-6,854
6	2004	2,226	2,281	4,507	3,401	-1,106	-7,960
7	2005	478	2,627	3,105	3,875	770	-7,190
8	2006	0	0	0	7,372	7,372	182

Table A-57 FIRR (Case C-2-c: Most pessimistic)

FIRR = -12.76%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	0	194	194	369	175	175
2	2000	1,407	1,112	2,519	1,054	-1,465	-1,290
3	2001	1,864	1,396	3,260	1,313	-1,947	-3,237
4	2002	4,832	1,775	6,607	1,627	-4,980	-8,217
5	2003	1,434	1,800	3,234	2,008	-1,226	-9,443
6	2004	2,226	2,281	4,507	2,292	-2,215	-11,657
7	2005	478	2,627	3,105	2,618	-487	-12,145
8	2006	0	0	0	7,372	7,372	-4,773

Table A-58 Results of FIRR Calculation (Typical Cases)

Cost	Billing System	Revenue Estimate	Case	FIRRs (%)
All Loan	Tax + Joint Billing	Most Optimistic	A-1-a	1.52%
		Most Likely	A-1-b	-5.38%
		Most Pessimistic	A-1-c	-13.90%
	Tax + Special RCC	Most Optimistic	A-2-a	-2.83%
		Most Likely	A-2-b	-8.91%
		Most Pessimistic	A-2-c	-17.79%
Partial Loan (Grant for 1st Year of Final Disposal)	Tax + Joint Billing	Most Optimistic	B-1-a	4.88%
		Most Likely	B-1-b	-3.14%
		Most Pessimistic	B-1-c	-12.56%
	Tax + Special RCC	Most Optimistic	B-2-a	-0.10%
		Most Likely	B-2-b	-7.66%
		Most Pessimistic	B-2-c	-16.74%
Partial Loan (Grant for 1st Year of Final Disposal and Collection of Transport)	Tax + Joint Billing	Most Optimistic	C-1-a	22.06%
		Most Likely	C-1-b	8.34%
		Most Pessimistic	C-1-c	-7.05%
	Tax + Special RCC	Most Optimistic	C-2-a	17.01%
		Most Likely	C-2-b	0.57%
		Most Pessimistic	C-2-c	-12.76%

Figure A-17 Results of FIRR Calculation (Typical Cases)

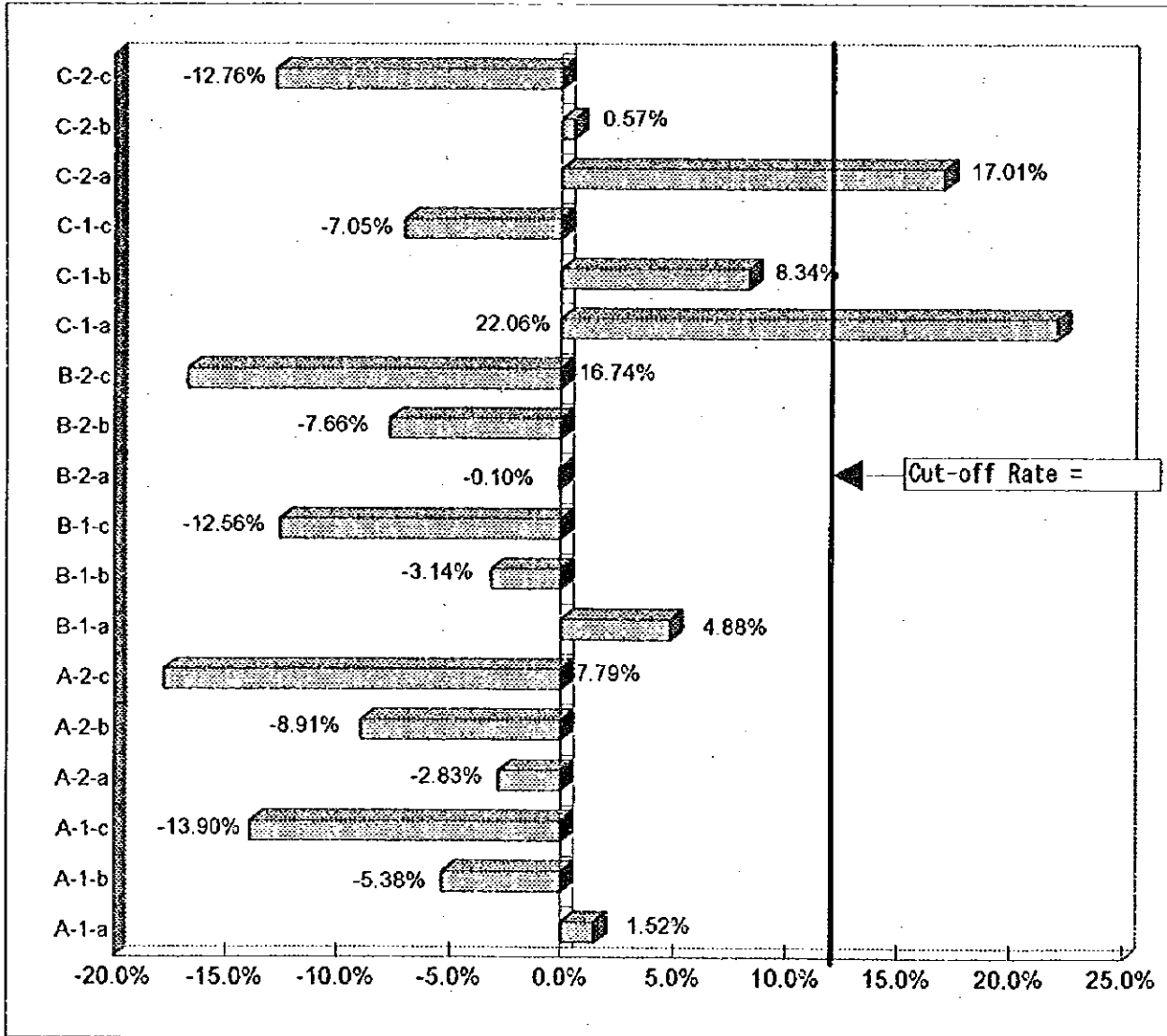


Table A-59 Conversion Factors for Investment, Operation & Maintenance and Indirect Cost

Cost Items	1 Share(%)	Traded Good & Service	Non-traded Good & Service	Skilled Labour	Unskilled Labour	Transferred Values	2 Conversion Factor, for Each Cost Item	1 X 2
Investment Cost	100.0	n.r.	n.r.	n.r.	n.r.	n.r.	n.r.	0.751
(1) Collection and Transportatio	59.3	65.0	0.0	5.0	20.0	10.0	100.0	
	n.r.	0.650	0.000	0.046	0.122	0.000	0.818	0.485
(2) Final Disposal	40.3	10.0	10.0	10.0	60.0	10.0	100.0	
	n.r.	0.100	0.093	0.092	0.367	0.000	0.652	0.263
(3) Road Sweeping	0.4	65.0	0.0	5.0	20.0	10.0	100.0	
	n.r.	0.650	0.000	0.046	0.122	0.000	0.818	0.003
Operation & Maintenance Cost	100.0	n.r.	n.r.	n.r.	n.r.	n.r.	n.r.	0.759
(1) Labour	21.5	0.0	0.0	20.0	70.0	10.0	100.0	
	n.r.	0.000	0.000	0.184	0.428	0.000	0.612	0.132
(2) Fuel and Materials	33.9	60.0	0.0	5.0	25.0	10.0	100.0	
	n.r.	0.600	0.000	0.046	0.153	0.000	0.799	0.271
(3) Repair	44.6	60.0	0.0	5.0	25.0	10.0	100.0	
	n.r.	0.600	0.000	0.046	0.153	0.000	0.799	0.356
Indirect Cost	100.0	n.r.	n.r.	n.r.	n.r.	n.r.	n.r.	0.748
(1) Work Shop	48.3	20.0	10.0	10.0	50.0	10.0	100.0	
	n.r.	0.200	0.093	0.092	0.306	0.000	0.691	0.334
(2) Motor Pool	2.4	20.0	10.0	10.0	50.0	10.0	100.0	
	n.r.	0.200	0.093	0.092	0.306	0.000	0.691	0.017
(3) Administration	49.3	10.0	10.0	60.0	10.0	10.0	100.0	
	n.r.	0.100	0.093	0.552	0.061	0.000	0.807	0.398

Table A-60 Financial Planning for Economic Evaluation

Year	Unit	1999	2000	2001	2002	2003	2004	2005	2006
1. Costs									
1.1 Investment Cost	million Tsh.	4231	1899	2457	4974	2440	3400	2349	0
1.1.1 Collection and Transportation	million Tsh.	3830	1057	1400	3630	1077	1672	359	0
1.1.1.1 Final Disposal	million Tsh.	2738	1040	1270	224	965	1124	359	0
1.1.1.2 Final Disposal	million Tsh.	1075	0	113	3406	113	548	0	0
1.1.3 Road Sweeping	million Tsh.	17	17	17	0	0	0	0	0
1.2 Operation and Maintenance	million Tsh.	0	736	935	1193	1202	1547	1789	0
1.2.1 Labour	million Tsh.	0	182	216	254	287	308	348	0
1.2.2 Fuel and Materials	million Tsh.	0	246	319	420	326	555	645	0
1.2.3 Repair	million Tsh.	0	308	399	519	589	684	796	0
1.3 Indirect Cost	million Tsh.	401	106	122	151	161	180	200	0
1.3.1 Workshop	million Tsh.	256	40	48	60	68	78	89	0
1.3.2 Motor Pool	million Tsh.	0	5	5	5	5	5	5	0
1.3.3 Administration	million Tsh.	145	61	70	86	88	97	106	0
2. Revenues									
2.1 Special Account from DCC Tax	million Tsh.	548	1480	1975	2591	3406	3953	4553	7372
2.2 Joint Billing (Household)	million Tsh.	548	693	893	1165	1463	1665	1868	0
2.2.1 Tariff	Tsh./household/month	0	377	531	701	1006	1203	1430	0
2.2.2 Number of Households	households	0	1250	1250	1250	1250	1250	1250	0
2.2.3 Waste Collection Rate	%	0.0	20.7	27.0	33.0	43.6	47.9	52.0	0.0
2.2.4 RCC Collection Rate	%	0.0	20.0	20.0	20.0	20.0	20.0	20.0	0.0
2.3 Joint Billing (Others)	million Tsh.	0	410	552	725	937	1085	1254	0
2.3.1 Tariff	Tsh./ton	0	20000	20000	20000	20000	20000	20000	0
2.3.2 Waste Collection Amount	ton/year	0	41019	55170	72542	93698	108482	125420	0
2.3.3 RCC Collection Rate	%	0.0	50.0	50.0	50.0	50.0	50.0	50.0	0.0
2.4 Special RCC	million Tsh.	0	0	0	0	0	0	0	0
2.4.1 Tariff	Tsh./ton	0	0	0	0	0	0	0	0
2.4.2 Waste Collection Amount	ton/day	0	0	0	0	0	0	0	0
2.4.3 RCC Collection Rate	%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5 Scrap Value	million Tsh.	0	0	0	0	0	0	0	7372
3. Balance	million Tsh.	-3693	-419	-482	-2383	965	553	2204	7372

Table A-61 Economic Internal Rate of Return

FIRR = 9.25%

Project Year	Financial Year				Benefit	Net Benefit	Cumulative Net Benefit
		Investment	O & M	Cost			
1	1999	3,830	401	4,231	548	-3,683	-3,683
2	2000	1,057	842	1,899	1,480	-419	-4,101
3	2001	1,400	1,057	2,457	1,975	-482	-4,583
4	2002	3,630	1,344	4,974	2,591	-2,383	-6,966
5	2003	1,077	1,363	2,440	3,406	965	-6,001
6	2004	1,672	1,727	3,400	3,953	553	-5,447
7	2005	359	1,990	2,349	4,553	2,204	-3,243
8	2006	0	0	0	7,372	7,372	4,129

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