SUPPORTING REPORT FOR

CHAPTER 8 Evaluation of Proposed Management Plans

Supporting Report for Chapter 8 "Evaluation of Proposed Management Plans"

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ANNEX to 8.1 Economic and Financial Evaluation

Estimation of Unit Revenue of Water

- I. Municipal Water
- 1. Amman
- (1) Water

Water Tariff

Consumption of Water (m³/Quarter)	Charges (JD)
0 - 20	C=3.6
21 - 40	C=(0.001xQ+0.16)xQ
41 - 100	C=(0.01083xQ-0.2333)xQ
> 100	C=0.85xQ

Estimation of Unit Water Revenue

Consumption of Water (m³/Quarter)	Consumption of Water (m ³)	Revenue (JD)
0-10	712,453	535,338
11-20	2,890,302	638,795
21-30	5,225,515	971,903
31-40	5,907,647	1,157,015
41-50	5,386,587	1,411,028
51-60	3,984,795	1,464,071
61-70	2,950,520	1,401,907
71-80	2,162,130	1,260,052
81-90	1,502,688	1,037,566
91-100	1,212,439	974,756
101-110	815,792	693,423
111-120	655,620	557,277
121-130	493,997	419,897
131-140	375,427	319,113
141-150	340,491	289,417
>150	2,495,780	2,121,413
Total	37,112,183	15,252,973

15,262,973(JD)/37,112,183(m³)=411 (fils/m³)

(2) Wastewater

Wastewater Tariff

Consumption of Water (m ³ /Quarter)	Charges (JD)
0 - 20	C=0.9
21 - 40	C=(0.00075xQ+0.03)xQ
41 - 130	C=(0.004833xQ-0.13333)xQ
> 130	C=0.85xQ

Estimation of Unit Wastewater Revenue

Consumption of Water (m³/Quarter)	Consumption of Water (m ³)	Revenue (JD)
0-10	604,229	112,100
11-20	2,378,418	132,328
21-30	4,140,936	204,587
31-40	4,768,490	270,995
41-50	4,406,701	384,674
51-60	3,276,317	440,603
61-70	2,404,102	438,880
71-80	1,742,355	401,936
81-90	1,197,042	333,686
91-100	929,667	305,859
101-110	633,827	221,839
111-120	505,071	176,775
121-130	380,078	133,027
131-140	282,407	98,842
141-150	255,779	89,523
>150	1,823,448	638,207
Total	29,728,867	4,383,861

4,383,861(JD)/29,728,867(m³)=147 (fils/m³)

2. Outside Amman

(1) Water

Water Tariff

Consumption of Water (m³/Quarter)	Charges (JD)
0 - 20	C=2.0
21 - 40	C=(0.0025xQ+0.05)xQ
41 - 130	C=(0.007777xQ-0.1611)xQ
> 130	C=0.85xQ

Estimation of Unit Water Revenue

Consumption of Water (m³/Quarter)	Consumption of Water (m ³)	Revenue (JD)
0-10	2,890,180	289,018
11-20	3,982,840	398,284
21-30	6,515,115	753,648
31-40	8,596,843	1,207,928
41-50	8,956,478	1,774,274
51-60	6,394,885	1,239,248
61-70	4,586,516	1,599,997
71-80	3,256,118	1,386,444
81-90	2,173,825	1,091,835
91-100	1,807,029	1,058,806
101-110	1,040,634	683,993
111-120	764,906	563,178
121-130	557,920	453,993
131-140	432,268	367,428
141-150	362,226	307,892
>150	3,080,339	2,618,288
Total	55,398,122	16,294,254

16,294,254(JD)/55,398,122(m³)=294 (fils/m³)

(2) Wastewater

Wastewater Tariff

Consumption of Water (m³/Quarter)	Charges (JD)
0 - 20	C=0.9
21 - 40	C=(0.00075xQ+0.03)xQ
41 - 130	C=(0.003222xQ-0.06888)xQ
> 130	C=0.35xQ

Estimation of Unit Wastewater Revenue

Consumption of Water (m³/Quarter)	Consumption of Water (m ³)	Revenue (JD)
0-10	347,008	57,792
11-20	1,321,075	72,996
21-30	2,402,044	118,936
31-40	2,989,244	170,151
41-50	2,967,984	233,795
51-60	2,201,569	241,675
61-70	1,595,500	226,290
71-80	1,147,969	199,559
81-90	766,709	157,707
91-100	582,993	139,692
101-110	347,297	93,771
111-120	251,743	76,155
121-130	178,557	59,739
131-140	130,922	45,823
141-150	107,288	37,551
>150	1,196,669	418,834
Total	18,534,571	2,350,465

 $2,350,465(JD)/18,534,571(m^3)=147 (fils/m^3)$

Sources: WAJ

II. Industrial Water Water Tariff: 1 JD/m³ Sources: WAJ

III. Irrigation Water

1. Average Price of Irrigation Water (Jordan Valley)

Item	Code	1998	1999	2000*
Volume of Water Supplied (m³)	A	219,428,237	164,304,779	109,945,789
Volume of Water Sold (m ³)	В	142,019,361	115,438,686	72,910,673
Amount of Water Billed (JD)	С	1,602,681	1,178,674	745,290
Amount of Water Collected (JD)	D	1,207,874	902,460	474,810
B/A	Е	64.7%	70.3%	66.3%
D/C	F	75.4%	76.6%	63.7%
Collection Rate	ExF	48.8%	53.8%	42.2%
Average Water Price (Billing Basis) (Fils/m³)	C/Bx1,000	11.3	10.2	10.2
Average Water Price (Collection Basis) (Fils/m³)	D/Bx1,000	8.5	7.8	6.5

Note: * = January to August

2. Irrigation Water Tariff (as of Aug., 2000)

Range of Consumption	Tariff
(m3)	(Fils/m³)
0 to 2,500	8
2,501 to 3,500	15
3,501 to 4,500	20
4,501 and more	30

Note: In case irrigation water is used on the farm land of more than 35 dunums, a higher charge will be imposed.

Source: JVA

IV. Treated Wastewater for Irrigation Use Treated Wastewater Tariff: 10 Fils/m³

Sources: JVA

Estimation of Unit Benefit of Water

1. Municipal Water

1) Preconditions:

Current country-wide average per capita per day consumption of municipal water: 1021

Average number of household members: 5

Current country-wide average monthly household income: 281 JD

Maximum payment for water as percentage of income: 4%

2) Calculation processes:

Monthly water consumption per household = $102x5x30/1000=15.3 \text{ m}^3$

Maximum monthly payment for water per household = 281x0.04=11.24 JD

Unit benefits of municipal water = $11.24/15.3 \times 1000 = 735$ Fils

2. Industrial Water

1) Preconditions:

Industrial gross output, 1998: 491.9 million JD (1985 prices)

GDP deflator from 1985 to 2000: 2.17

Country-wide consumption of industrial water, 1998: 38.95 MCM

Contribution rate of water to industrial gross output: 10%

2) Calculation processes:

Industrial gross output, 1998 at 2000 prices = 491.9x2.17 = 1,067.4 million JD Unit benefits of industrial water = 1,067.4/38.95x0.1x1000 = 2,740 Fils

3. Irrigation Water

1) Preconditions:

Average annual agricultural gross output, 1993-1997: 140.8 million JD (1985 prices)

GDP deflator from 1985 to 2000: 2.17

Average annual consumption of irrigation water, 1993-1997: 647 MCM

Contribution rate of irrigation water to agricultural gross output: 60%

2) Calculation processes:

Estimated agricultural gross output, 1998 at 2000 prices = 140.8x2.17 = 305.5 million JD Unit benefits of irrigation water = 305.5/647x0.6x1000 = 283 Fils

Sources: Statistical Yearbook 1998 (DOS), Results of Socio-Economic Questionnaire Survey by JICA, World Bank

4. Sewage

1) Preconditions:

Current country-wide average per capita per day consumption of municipal water: 102 l

Average number of household members: 5

Current country-wide average monthly household income: 281 JD

Maximum payment for sewage as percentage of income: 2%

2) Calculation processes:

Monthly water consumption per household = $102x5x30/1000=15.3 \text{ m}^3$ Maximum monthly payment for sewage per household = 281x0.02=5.62 JDUnit benefits of sewage = 5.62/15.3x1000 = 368 Fils

5. Treated Wastewater for Irrigation Use

Treated wastewater is now used for restricted agriculture. Since its use is confined to certain groups of agricultural crops, its unit benefits is assumed to be 50% of those of irrigation water. That is:

Unit benefits of treated wastewater for irrigation use = 283 Fils/2 = 142 FilsAverage annual agricultural gross output, 1993-1997: 140.8 million JD (1985 prices)

ANNEX to 8.1.1 **Surface Water Development**

ben	Allocation		2000	2011	2002	2163	2004	2105	2006	2607	2001	1009	2011	1011.5	201.2	2013	2014	2015	2116	2017	2818	2019	2020
Water Fruduced	raceates		0	1	.0	1	0	0	0	0	0	0	. 0	0	1	0.0	1	23,000	12,010	21,000	20,010	19,000	18,11
Sared			0	1	0	1	. 0	0	0	.0	0	0	0	0	10	0	1	0	1	0	.0	0	-
Manicipal Water	1.00		U	. 1		1					U	U	0				1	23,000	22,011	21,000	20,010	19,000	18,10
Physical Losses (%)			0.24	0.21	0.22	0.21	0.21	1.20	0.19	1.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	1.13	0.15	1.15	0.15	0.1
Physical Losses			0	1	0		. 0	D	0	D	. 0	0	0	0	1	0	1	3,450	3,311	3,150	3,010	2,850	2,71
Administrative/Managerial Losces (%)			0.21	0.19	0.16	0.14	0.12	1.10	0.09	1.18	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	1.15	0.05	1.15	0.05	0.1
Administrative/Managerial Losses			0	1	0	1	.0	D	0	D		D	0	0	1	0	1	1.150	1,110	1.050	1,010	950	91
Quartity Delivered			D	1	0		0	. 0	.0	D	. 0	D	0	0	100	0	1	19,550	18,710	17.850	17,080	16,150	15,31
Quartity Whose Bills are Collected			D	1	0	4	0	0	0	D	0	D	0	0	1	0	1	18,400	17.6H	16.800	16,080	15.200	14,41
Industrial Water	0.00		0	1	0	î	0	D	0	D	0	0	g .	0	1	0	î	0	1	0	0	ū	
Physical Loises (%)			0.24	0.23	0.22	0.21	0.21	1.20	0.19	1.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	1.15	0.15	1.15	0.15	0.1
Physical Louises			. 0	1	0		0	0	. 0	0	0	0	0	0	1	0	- 1	. 0		0	0	0	
Admirastrative/Managerial Lorenz (%)			0.21	0.13	0.16	0.14	0.12	1.10	0.09	1.18	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	1.15	0.05	1.15	0.05	0.1
Administrative/Managerial Lorent			0	200	.0		0	0	0	0	0	0	0	0	200	0	- 1	0	-	0	0	0	1079
Quantity Delivered			0	- 1	0	- 7	0	0	0	0	0	0	0	0	100	0	- 1	0	- 9	0	0	0	
Quantity Whose Bills are Collected			0	- 7	0	1	0	0	0	0	0	0	0	0	1	0	- 1	0	- 9	0	0	0	
Irrigation Water	0.00		0	- 9	.0	- 2		n	0	n	n	D	0	0.0	- 0	n	- 2	0.	- 0	0	0		
Physical Losses (%)	0.00		0.24	0.23	0.22	0.23	0.21	1.20	0.19	8.38	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	1.15	0.15	1.15	0.15	0.1
Physical Losses			0.01	1	0	- 1	0.01	0	0	0	0	0	0	0.12	0.00	0	1	0		0	D	0	6.4
Administrative/Managerial Losces (%)			0.21	0.19	0.16	0.14	0.12	1.10	0.09	1.18	0.07	0.06	0.05	0.05	0.05	0.05	0.05	0.05	1.15	0.05	1.15	0.05	0.0
Administrative/Managerial Looses			0.21	0.17	0.10	0.17	0.14	0.1.0	0.00	0.40	0.07	0.00	0.00	0.00	0.07	0.00	0.02	0.00	1.00	0	D	0.00	0.4
Quantity Delivered			0	Ŷ	0	- 9	0	.0	0	0	0	0	0	0	- 10	0	i i	0		0	0	0	
Quantity Whose Bills are Collected			D		0	- 2	0		.0	.0	0	0	0	9	- 6		- 2	0		0		п	
Financial Analysis (Thousand JD at 2000 F	rices)																						
ben	Percent	Amount	2000	2011	2002	2113	2004	2105	2006	2107	2001	2009	2011	2011	2012	2013	2014	2015	2116	2017	2818	2019	2020
Costs																							
Local Components	30%	3,561	1	0		.0	0	0	0	0	0	0	0	1	0	1,137	2,374	1	0	0	0	0	3
Foreign Camponents	70%	8,155	1	û	1	0	D.	0	.0	0	. 0	.0	0	1	0.	2,785	5,570	1.	0	D	0	D	- 0
Duby & Tuosa	0%	0	1	0		.0	. 0	0	0	.0	D	- 0	0	1	0	1.5	0	1	0	D	0	0	39
Total Capital Costs		11,516	1	0		0	0	0	0	- 0	0	0	0	1	0	3977	7,944		0	0	0	0	
Complative Costs			1	0		0	0	0	0	0	D	0	0	10.	0	3,977	11.916	11,914	11,916	11,916	11,916	11,916	11,91
O & M Casts			1	0	30	0	D	0	0	0	0	0	0	1.	0	100 E	0	2,713	2,663	2,543	2,423	2,313	2,18
Total Costs			1	0	1	.0	0	0	0	0	0	0	0		0	3,972	7,944	2,713	2,663	2,543	2,423	2,313	2,18
Revenues																							
Municipal Usage Qty (Thousand m ³)			n	1	0	1	0	D	- 10	0	. 0	D	0	0.5	1	0	10	18,400	17,011	16.800	16,000	15,200	14,40
Municipal Tanff (JD/m ²)			1.194	0.294	0.394	0.294	B 294	0.214	0.294	0.254	0.294	1.294	0.294	1.194	0.294	0.294	0.294	0.294	0.214	0.294	0.254	8.294	1.26
			0	0.04	0.254	11.234	0.254	10.204		B.294	0.254	0.294	8	0.204	0.294	0.354	0.294						
Municipal Revenues (Thousand JD)					.0.		- 0		3.0	. 0	- 10	. 0	- 0	0.0		0		5,410	5,134	4,939	4,714	4,469	4.23
Industrial Urago Qty (Thousand m ²)			D	1	0	1	0	. 0	0	0	0	0	0	0	1	0	1	0		0	0	0	
Industrial Tariff (JD/m ³)			1.600	1.003	1.000	1.001	1.000	1.010	1.000	1.010	1.000	1.100	1.000	1.000	1.001	1.000	1.001	1.000	1.011	1.000	1.010	1.000	1.00
Industrial Revenues (Thousand JD)			0	1		1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	D	0	0.00
A C C C C C C C C C C C C C C C C C C C			100	1.51			200	100		200710	10.000	2.50%		000	200	2000	-		10.1	900	0.00	1.00	
Imagtion Usage Qty (Thousand st.)			0.	1	.0	- 1	0	D	0	D	q	D	0	D.	1	0	1	0		.0	D	0	
Impation Tantf (/ID/m²)			0.011	0.010	0.011	D D10	0.010	0.010	0.010	0.010	1.110	0.010	1.110	0.011	0.010	0.011	0.010	0.014	0.010	0.010	0.010	0.010	0.01
Impation Revenues (Thrus and JD)			0	1	0	1	0	0	0	0	0	D	0	0	10	0	1	0	1	0	D	0	
Total Revenues (Thousand ID)			0	1	0		0	.0	. 0	. 0	. 0	0	0	0	1	0	1	5,410	5,174	4,939	4,784	4,469	4,23
Net Cash Flow (Thousand JD)			0	1	0	1	0	.0	0	0	0	D	0	0	1	-3,972	-7,944	2,627	2,51,1	2,396	2,281	2,166	2,85
Discounting (DR=6.9%)			0.93197	0.88166	0.82785	0.77732	1.72988	0.68533	1.64351	0.60423	0.56735	0.53273	0.50021	0.46968	0.44102	0.41410	0.38883	3.36510	0.34281	1.32189	0.30234	1.28380	0.2664
Total Qty Whose Bills are Collected (T ss ³)			0	1	0	1	0	0	0	D	0	D	0	0	13	0	1	18,400	17,611	16,800	16,000	15,200	14,48
FIRE	11994																						
FIRE	18%		190	0.00	(a)	5.41	1.8	106	100	200	CW.	0.80		pr. 2	400	117000	2000	pro	1997	1799	485	2.00	
NPY (Thousand ID)	6,812		0.	1	0	18	0	D	0	0	0	D	0	D	1	-1,645	-3,089	959	361	771	619	615	54
FV af Total Costs Thousand JD)	16,159		D		0		0	D	0	0	0	0	0	D	1	1,645	3,089	1,016	913	819	712	654	51
PV of Total Bills Collected Qty (Tm²)	75,409		0	1	.0.	1	. 0	0.0	. 0	D	. 0	D.	0	0	1	0 <	1	6,718	6.034	5.408	4,336	4.314	3,87
Unit Water Price (File/m²)	144		0.70	0.00	170		- 0	60.00	200	1000				700	3.0				aqua y		.,,		

Coits																							
Local Components	30%	3,561	0	D	1	.0	0	0	0	0.	0	0	0	1	0	1,127	2,374	1	0	0	0	1	0
Foreign Components	30%	8,355	0	0	- 1	0	.0	0	0	0	0	0	0	- 1	0	2,785	5,570	1	0	0	0	1.	0
Duty & Taxes	0%	Ü	U	0	- 1	. 0	- 0	U	0	0	0	U	D	1	0			1	0	0	U	1	Ü
Total Capital Costs		11,916	0	D	- 1	0	0	0			0	.0	0	1	σ	3,572	7,944	1	0	0	D	1	0
Cumulative Costs			0	D	. 1	0	. 0	D	. 0	0	0	0	D	1	0	3,572	11,916	11,916	11,916	11,916	11,916	11,914	11,916
O de M Costa			0	D	- 1	. 0	.0	D.	0	0	0	0	D	1	0	.0	0	2,955	2,828	2,700	2,513	2,445	2,318
Total Costs			0	0	1	0	0	0	0	0	0	0	0	1	0	3,972	7,944	2,955	2,828	2,700	2,573	2,445	2,318
Benefits																							
Municipal Usage Qty (Thoursed m ²)			1	0		0		-0	0.	0	0	0	.0	0	.0	0	.0	19,550	18,710	17.851	17,000	16,150	15,300
Unit Benefits of Montopal Water (JD/m²)			0.735	0.735	0.735	1.735	0.735	0.735	0.735	1.735	0.715	0.735	0.735	1.736	0.735	0.735	0.735	1.735	0.715	0.735	0.735	1.735	0.715
Municipal Benefits (Thousand JD)			0	0	1	0	0	D	0	0	0	0	D	1	0	.0	D	14,309	13,745	13,120	12,455	11,871	11,246
Industrial Usage Qty (Thossaud m ³)			0	0	- 1	0	0	0	0	0	0	0	D	1	0	0	D	1	0	0	0	1	σ
Unit Benefits of Infostrial Water (JDim ⁵)			2.798	2.740	2.740	2.740	2748	2.740	2.740	2,740	2.740	2.740	2.740	2:740	2.740	2.740	2.740	2.740	2.740	2.741	2.740	2.740	2.740
Industrial Benefits (Thrus and JD)			0	D		a	0	D	D	0	0	D	D	1	0	D	D	1	0	0	D	1	0
Impation Usage Qty (Thousand m ³)			0	D	1	0	0	0	0	0	ū	0	D	1	a	0	D	1	a a	0	D	1	ū
Unit Benefits of Irrosation Water (JD/m2)			0.283	1.283	0.233	0.223	0.283	1.283	0.283	0.283	0.283	1.283	0.283	0.281	0.283	1.283	0.213	0.283	0.283	D.283	0.213	0.283	0.283
Imagaion Benefits (Thousani ID)			- 1	0	0	0		0	0	D	0	0	0	0	0	0	0	0	D	1	a	0	D
Total Benefits (Throward JD)			- 1	0	0	0	t	0	0	0	0	0	.0.	0	0	0	0	14,169	13,745	11.121	12.495	11,870	11,346
Net Cash Flow (Thousand JD)			1	0	0	0	1	σ	0	0	0	σ	0	0	0	-1,972	-7,944	11,414	10,917	10,417	9,922	9,425	8,928
Discourting (DR=19%)			0.90909	1.12545	0.75131	0.63301	0.62092	1.56447	0.51316	0.46651	0.42410	0.38554	0.35049	0.31163	0.28966	0.26333	1.23939	0.21763	0.19704	0.17986	1.16351	0.14864	0.13513
Total Qty Delivered (Thous and m ³)			1	0	0	D	- 1	0	0	D	D	0	0	D	0	0	0	19,550	18,710	17,851	17,000	16,150	15,310
EIRR.	739%																						
NPV (Thousand JD)	18,382		1.	0	ú	Û		û	0	0	0	0	0	0	0	-1,046	-1,902	2,484	2,160	1,874	1,622	1,401	1,216
PV of Total Costs (Thousand JD)	8,481		1	0	. 0	0	1	0	0.	0	0.	0	.0.	0	.0	1,046	1.902	643	559	486	421	363	313
PV of Total Qty Delivered (Thrus and m ²)	36,548		1	0	0	. 0	- 1	0	0	0	0	0	0	.0	0	0	0	4,155	3,710	1.211	2.780	2,401	2,067

2006

2007

2008

2009 2010

2011

2112

201.1

2014

2015

2013

Note: Water production cost of 150 fils per m3 was added to the O & M cost.

232

Unit Water Price (Filefra*)

Economic Analysis (Thousand JD at 2000 Prices)

Percent Amount 2010

2003

2084

336 995

Hydraulie Analysis (Thousand m ³ /yr) Item	Alication		2000	2001	2002	2013	2004	2005	2006	2007	2008	2019	2110	2011	2012	2011	2014	2015	2116	2017	2013	2015	2020
Water Produced			0	0	0	0	0	0	0	0	13	0	D	0	0	0	1	0	0	0	0	. 1	30,03
Saved			0	0	0	0	.0	0	0	0	1.0	0	0	.0	0	0	10	0	0	0	0	- 1	333
Buscipal Water	1.00		0	0	0	0	. 0	.0	0	0	1	D	0	.0	0	0	1	0	0	.0	0	1	30,01
Physical Losses (%)			0.24	0.23	0.22	0.21	1.21	0.20	0.19	0.18	0.17	0.16	1.15	0.15	0.15	0.15	0.15	1.15	0.15	0.15	0.15	0.15	0.13
Physical Losses			0	0	0	D	D	. 0	0	0	1	D	D	0	0	0	1	D.	.0	0	0	1	4,51
Administrative/Managerial Leases (%)			0.21	0.19	0.16	0.14	1.12	0.10	0.09	0.03	0.07	0.16	1.06	0.05	0.05	0.05	0.05	1.15	0.05	0.05	0.05	0.05	0.1
Administrative/Managerial Lasses			0	0	0	0	.0	0	0	0.1	1	0	0	1.0	0	0	10	0	0	0	0	1	1.510
Quantity Delivered			0	0	0	D	D	.0	0	0	1	0	D	0	0	0	10	D	0	0	0	1	25,511
Quartity Whose Bills are Collected			0	0	0	D	D	0	0	0	1	D	D	0	0	0	1	D	0	0	0	1	24.01
ndustrial Water	0.00		0	0	0	D	0	0	0	0	1	0	D	.0	0	0	1	0	0	0	0	1	455.00
Physical Leaves (%)			0.24	0.23	0.22	0.21	1:21	0.20	0.19	0.18	0.17	0.16	1.15	0.15	0.15	0.15	0.15	1.15	0.15	0.15	0.15	0.15	0.13
Physical Losses			0	0	0	0	.0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	
Administrative/Managerial Lusses (%)			0.21	0.19	0.16	0.14	1.12	0.10	0.09	0.03	0.07	0.16	1.05	0.05	0.05	0.05	0.05	1.15	0.05	0.05	0.05	0.05	0.15
Administrative/Managerial Lusses			0	0		D	n	0	0	0	1	D	D	.0	0	0	13	D	D	0	0	1	
Quantity Delivered			0	0	0	0	0	0	0	0	- 2	0	0	0	0	0	1	0	0	0	0	1	
Quantity Where Bills are Collected			0	0	0	n	0	. 0	0	0	- 1	D.	0	0	0	0	1	D	0	0	0	1	
migabos Water	0.00		0	0	11	п.	0	n	0	n	- 0	0	n	0	0	п	- 20	D	n	0	. 0	i	
Physical Losses (%)	0.00		0.24	0.23	0.22	0.21	1.23	0.20	0.19	0.18	0.17	0.16	6.15	0.15	0.15	0.15	0.13	1.75	0.15	0.15	0.15	0.15	0.1
			0.29	0.43	0.22		D D	0.20	0.19	0.18		0.10	W.15	0.15	0.15	0.15		D. 15	0.15	0.15	0.15		0.1
Physical Losses						D					1						1					1	
Administrative/Managerial Leases (%)			0.21	0.19	0.16	0.14	1.12	0.10	0.09	0.08	0.07	0.16	1.05	0.05	0.05	0.05	0.05	1.15	0.05	0.05	0.05	0.05	0.8
Administrative/Managerial Lusses			0	0	0	0	.0	0	0	0	1	0	0	0	0	0	- 1	0	0	0	0	1	
Quantity Delivered			0	σ	0	.0	D	0	0	σ	1	0	D	0	0	0	1	D	0	0	0	1	
Quantity Wasse Bills are Collected			0	0	0	.0	. 0	. 0	0	0.	11	. 0	. 0	.0	. 0	- 0		0	0	.0	0	1	
osts	-	2222	27	23		123	15	64	0.25	2%	25	2	125	7/2	9125	1129	23	50	120	12	4.450	2 400	2020
Local Components	32%	3,304	D	D	0	0	0	33	0	0	0	0	0	- 1	D	0	0	g.		D	4,402	4,402	
Foreign Components	68%	13,764	D	D	0	0	0	- 1	0	D	0	0	0	100	D	0	0	0		0	9,382	9,382	
Duty & Taccer	05%	0	D	D	0	0	0	- 1	D	0	0	.0	0	- 1	0	0	0	a	- 1	D	0	.0	
Total Capital Costs		27,568	0	0	0	0	0	- 1	0	0	0	0	0	- 1	0	0	0	0	- 1	0	13,784	13,784	1
Cumulative Costs			0	D	0	0	0	- 1	D	D	0	0	0	1	0	0	0	0	1	D	13,784	27,168	27,560
O & M Costs			D	D	D	0	0	- 1	D	D	0	a	0	- 1	D	0	0	0	1	D	D	0	173
Total Costs			D	0	0	0	0	- 1	D	0	0	0	0		0	0	0	0	1	D	13,784	13,784	3,733
tevenues																							
								n.	0	0.0	1.0	0	D	. 0	0	0	1.	0	.0	0	0	1	24,011
			0	0	0	0	. 0			9.5												0.294	0.25
Monicipal Usage Qty (Thousand m ⁵)			0 1.294	0.294	0.294	0.294	0.294	1.294	0.294	0.294	0.294	0.294	0.254	1.294	0.294	0.294	0.294	0.254	0.294	0.294	0.294		
Municipal Usage Qty (Thousand m ²) Municipal Taniff (JD/m ²)			27-25-20	000000000000000000000000000000000000000	0 0.294 0	200	101515	0.000	-175	200000000000000000000000000000000000000	0.294 T	0.294 D	0.254 D	1.294 0	0.294	0.294	0.294	0.254 D	0.294	0.254	0.294	1	7.05
Municipal Usage Qty (Thousandm') Municipal Taniff (ID/m') Municipal Revenues (Thousand ID) Industrial Usage Qty (Thousand m')			1.254	000000000000000000000000000000000000000		200	101515	1.194	0.294	0.294	0.294 I					0.294 a a	0.294		0.294 0 0			1	
Monicipal Usage Qiy (Thousand m²) Monicipal Taniff (ID/m²) Municipal Revenues (Thousand ID) Instartnal Usage Qiy (Thousand m²)			#.294 0 0	0.294 0	a a	0.294 D	0.254 D	1.294 D	0.294 0 0	0.294 0 0	1	D D	D D	0	a	a 0	0.294 I I 1.001	D D	0	0	0	0.02050	7.05
Monicipal Usage Qty (Thousand m ²) Monicipal Taniff (ID/m ²) Municipal Revenues (Thousand ID) Industrial Usage Qty (Thousand m ²) Industrial Taniff (ID/m ²)			1.254 0	0.294 0 0	0	0.294 D	0.254 D	1.294 D	0.294 0	0.294 0	- 1	D	D	0	0	a	1	D	0.294 0 0 1.100	0	q	1 1.001 1	7.05
Municipal Usage Qty (Thousand m ²) Municipal Taniff (ID/m ²) Municipal Reserves (Thousand ID) Instantial Usage Qty (Thousand m ²) Instantial Usage Qty (Thousand m ²)			8.254 0 0 1.000	0.294 0 0 1.000	0 0 1.000	0.294 D D 1.000	0.254 D D 1.080	1.294 D 0 1.100	0.294 0 0 1.000	0.294 0 0 1.000	1 1 1,001	0 0 0	D D 1.000	0 0 1,000	0 1,000	0 0 1.000	1	D 1 000	0 0 1.100	0 0 1.000	0 1.000	1.008	7.05
Monicipal Usage Qty (Thousand m ²) Monicipal Tariff (IDI/m ²) Municipal Tariff (IDI/m ²) Inhustrial Usage Qty (Thousand m ²) Inhustrial Usage Qty (Thousand m ²) Inhustrial Revenues (Thousand JD) Irrigation Usage Qty (Thousand m ²)			0 0 0 1.000 0	0.294 0 0 1.000 0	0 1,000 0 0	0.294 D D 1.000 D	0.254 0 0 1.000 0	1.294 D D 1.300 D	0.294 0 0 1.000 0	0.294 0 0 1.000 0	1 1,001 1	D T G N D D	D D 1.000 D	0 0 1,000 0 0	0 0 1,000 0 0	0 1.000 0 0	1 1 1.001 1	D D L d (D D	0 0 1.100 0	0 1.000 0 0	0 1,000 0 0	1.001	7.05i
Monicipal Usage Qty (Thousand m ²) Monicipal Tariff (ID/m ²) Municipal Recentes (Thousand ID) infutnial Usage Qty (Thousand m ²) infutnial Tariff (ID/m ²) infutnial Revenues (Thousand ID) impation Usage Qty (Thousand m ²) impation Tariff (ID/m ²)			8.254 0 0 1.000	0.294 0 0 1.000 0	0 0 1.000 0	0.294 D D 1.000	0.254 D D 1.000 D	0 0 1,800 0	0.294 0 0 1.000 0	0.294 0 0 1.000 0	1 1 1,001	0 0 0	D D 1.000	0 0 1,000 0	0 0 1000 0	0 1.000 0	1	D 1 000	0 0 1.100	0 0 1.000 0	0 1.000 0	1.001	7.05 L 03
Monicipal Usage Qty (Thousand m ²) Monicipal Tariff (ID/m ²) Municipal Revenues (Thousand ID) Industrial Usage Qty (Thousand m ²) Industrial Tariff (ID/m ²) Industrial Revenues (Thousand ID) Inguison Usage Qty (Thousand m ³) Inguison Usage Qty (Thousand m ³) Inguison Tariff (ID/m ²) Inguison Revenues (Thousand ID)			0 0 0 1.000 0 0 0.010	0.294 0 0 1.000 0 0 0	0 1,000 0 0 0 1,810	0.294 D D 1.000 D D 0.010	0.254 D D 1.000 D 0 0.010	11 294 D 0 1,100 D 0	0.294 0 1.000 0 0 0 0	0.294 0 0 1.000 0 0 0.010	1 1,001 1	D D10	D D 1.000 D	0 0 0 0 0 0 0 0	0 1,000 0 0 0	0 1.000 0 0	1 1 1.001 1	D D 1 000 D D D DD	0 0 1.100 0	0 1.000 0 0 0.010	0 1.000 0 0 0.010	1.003 1 1 1.610	7,051 L 031
Monicipal Usage Qty (Thousand m ²) Monicipal Tariff (ID/m ²) Municipal Revenues (Thousand ID) Industrial Usage Qty (Thousand m ²) Industrial Tariff (ID/m ²) Industrial Revenues (Thousand ID) Irrigation Usage Qty (Thousand m ³) Irrigation Tariff (ID/m ²) Irrigation Revenues (Thrusand ID) Total Revenues (Thousand ID)			0 0 0 1.000 0 0 0.010	0.294 0 0 1.000 0 0 0	0 1,000 0 0 1,810 0	0.294 D D 1.000 D D 0.010	0.254 D D 1.000 D 0 0.010	11.294 D 0 1.1000 D 0.0111	0.294 0 1.000 0 0 0.010 0	0.294 0 0 1.000 0 0.010	1 1,001 1	D D D D D D D D D D D D D D D D D D D	D D 1.000 D	0 1,000 0 0 0,011	0 1,000 0 0 0,010	0 1.000 0 0	1 1 1.001 1	D 1 000 D D D 0010 D	0 0 1.100 0	0 1,000 0 0 0,010	0 1,000 0 0 0,010	1.003 1 1 1.110 1	7,05 L 03 0,010
Monicipal Usage Qty (Thousand m ²) Monicipal Tariff (ID/m ²) Municipal Recentes (Thousand ID) Infantinal Usage Qty (Thousand ar ²) Infantinal Tariff (ID/m ²) Infantinal Revenues (Thousand ID) Impation Usage Qty (Thousand m ²) Impation Tariff (ID/m ²) Impation Tariff (ID/m ²) Impation Revenues (Thousand ID) Total Revenues (Thousand ID) let Cach Flow (Thousand ID)			0 0 0 1.000 0 0 0.010	0.294 0 0 1.000 0 0 0	0 1,000 0 0 1,810 0	0.294 D D 1.000 D D D.010 D	0.254 D D 1.000 D 0 0.010	11.294 D 0 1.1000 D 0.0111	0.294 0 1.000 0 0 0.010 0	0.294 0 0 1.000 0 0.010	1 1,001 1	0 L 010 D D D 0.010 D	D D 1.000 D	0 1,000 0 0 0,011 0	0 1 000 0 0 0 0 0 0 0	0 1.000 0 0	1 1 1.001 1	D 1 000 D D D 0010 D	0 0 1.100 0	0 1.000 0 0 0.010 0	0 1.000 0 0.010 0	1.003 1 1.110 1 1.120	7.05 L 03 0.010
Municipal Usage Qty (Thousand m²) Municipal Tariff (ID/m²) Municipal Revenues (Thrus and ID) Instantial Usage Qty (Thousand m²) Instantial Tariff (ID/m²) Instantial Revenues (Thousand ID) Impation Usage Qty (Thousand m²) Impation Tariff (ID/m²) Impation Tariff (ID/m²) Impation Revenues (Thrus and ID) Total Revenues (Thrus and ID) Not Cash Flow (Thousand JD) Discouning (DR=6.206)			1.294 0 0 1.000 0 0 0.010 0	0.294 0 1.000 0 0 0.010 0 0 0.010 0 0 0.010	0 1,000 0 0 1,810 0 0 1,82785	0.294 D D 1.000 D D 0.010	0.254 0 0 1.000 0 0.010 0 0 0.72948	1.294 0 0 1.800 0 0.013 0 0 0.68523	0.294 0 0 1.000 0 0 0.010 0 0 0 0.04351	0.294 0 0 1.000 0 0.010 0 0 0.00423	1 1,001 1 1,010 1,010	0 Land D 0 0.010 D 0 0 0	D D L 2000 D D D D D D D D D D D D D D D D D	0 1,000 0 0 0,018 0 0 0 0,43965	0 1000 0 0 0010 0 0	0 1,000 0 0 0,010 0	1 1001 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	D D D D D D D D D D D D D D D D D D D	0 L.100 D 0.011 D	0 1,000 0 0 0,010 0 0 0 0 0	0 1,000 0 0 0,019 0 0 0	1.003 1 1 1.110 1	7,0 0,0 7,0 3,3 0,266
Municipal Usage Qty (Thousand m²) Municipal Taniff (DD/m²) Municipal Revenues (Thousand JD) Instantial Usage Qty (Thousand m²) Instantial Taniff (DD/m²) Instantial Revenues (Thousand JD) Integration Usage Qty (Thousand m²) Impation Taniff (DD/m²) Impation Taniff (DD/m²) Impation Revenues (Thousand JD) Total Revenues (Thousand JD) Net Cach Flow (Thousand JD)			1.294 0 0 1.000 0 0 0.010 0	0.294 0 0 1.000 0 0 0.010 0	0 1,000 0 0 1,810 0	0.294 D D 1.000 D D D.010 D	0.254 D D 1.000 D D.010 D	0 L 1000 D D D D D D D D D D D D D D D D D	0.294 0 0 1.000 0 0 0.010 0	0.294 0 0 1.000 0 0.010 0	1 1,001 1 1,010 1,010	0 Lallo D D DDIO D	0 1,000 D 0,010 D	0 1,000 0 0 0,011 0 0	0 1,000 0 0 0,010 0	0 1,000 0 0 0,010 0	1 1001 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 ato 0 0 0 0 000 0	0 L.100 D 0.011 D	0 1.000 0 0 0.010 0 0	0 1,000 0 0 0,010 0 0	1.003 1 1.110 1 1.120	7,050 1,000 0,010 7,050

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-3,912

3,912

1 6,315

SA8 - 9

FIRR MPV (Thousand JD) PV of Total Costs Thousand JD)

Unit Water Price (Filshi³)

PV of Total Bills Collected Qty (T m⁸)

11%

3,943

21,511

30,318

249

hem	Percent.	Amount	2000	2001	2002	2003	2804	2005	2016	2007	2003	2109	2010	2011	2012	2013	2114	2015	201.6	2817	2018	201.9	2020
Custs	1000000	Target Commit	201	1500		001		200	100		20.0	200	The state of the s	15.50-5	20010	-51305			000	000	2.012.000	0.0000000	
Lucial Components	3294	1,804	0	0	0	0	0	- (1)	0	0	0	0	- 1	0	0	0	0	0	0	0	4,411	4,402	0
Foreign Components	6894	11,764	0	0	0	.0	0	1	0.	0	D	.0	- 1	0	0	0	0	0	D	0	9,312	9,382	0
Duty & Tuest	096	0	D	0	0	D	0	1	0	0	D	0	- 1	D	0	. 0	0	0	D	0	- 1	0	0
Tetal Capital Cente		27,568	D	û.	0	U	.0	1	. 0	0	.0	.0		0	0	D	0	0	D	0	13,784	13,784	. 0
Comulative Custs			0	0	0	.0	0	1	0.	0	. 0	.0	- 1	0	- 0	0	0	0	0	0	13.714	27,568	27,568
O & M Costs			D	0	0	D	0	-1	.0	0	.0	0	- 1	0	0	0	0	0	0	0	1	0	1,958
Tetal Costs			0	0	0	0	0		0.	0	.0	0	- 1	0	0	0	. 0	0	0	0	13,714	13,784	1,958
Besefits																							
Municipal Usage Qty (Thousand m ²)			0	- 10	0.0	0	:10	.0	: 0	0	0	2.8	0	. 0	0	0	100	0	0	0.:	0 :	0	25,500
Unit Benefits of Musicipal Water (JD/m3)			0.735	0.735	8,735	0.735	0.735	0.735	0.735	1.735	0.735	0.735	0.735	0.735	1.775	0.735	0.735	0.735	0.735	0.735	0.735	0.735	1.735
Musicipal Besedio (Thousané ID)			0	0	0	0	0	1	0	0	0	0	1	0	0	D	0	0	0	0	1	0	11,743
Industrial Usage Qty (Thousand m ^b)			0:	0	0	D	.0	- 1	:0	:0	0.0	= 0	23	.0	0	. 0	0	0	0.0	0		0	0
Unit Benefits of Industrial Water (IDim*)			2.740	2.741	2,740	2,740	2,740	2.740	2,740	2,740	2.740	2.748	2.740	2.740	2.740	2.740	2.741	2,740	2.740	2.740	2.740	2.740	2.740
Industrial Benefits (Thousand JD)			D	0	0	D	0	1	0	0	0	0	1	0	0	D	0	0	D	0	1	D	a
Impation Usage Qty (Thousand m ³)			0:	0	0	D	.0	- 1	:0	.0	0.0	< 0	- 11	.0	0		0	0	D::	0		0	0
Unit Benefits of Irrigation Water (JD/m ²)			0.213	D 283	0.283	1.283	0.283	0.283	0.283	0.283	1.213	0.283	0.283	0.283	0.283	0.283	D.283	0.283	1.283	0.283	0.283	0.283	0.283
Impation Benefits (Thrus and JD)			0	1	D	0	D	0	a	0	0	1	0	0	D	0	1	0	0	D	0	0	0
Total Beaufiles (Thousand JD)			Q	1	D	a	D	.0	a	۵	٥		Û	a	ū	Û	1	0	a	0	0	a	18,743
Net Cash Flow (Thousand ID)			0	3.0	0	0	::0	0	.0	30	3.0	101	0	- 0	0	0	100	0.5	03	0	-13,784	-11,784	14,785
Discounting (DR=10%)			1.10909	0.82645	0.75131	0.68301	0.62092	1.56447	0.51316	0.46651	0.42410	0.38554	0.35049	0.31863	0.28966	1.26333	0.23939	0.21763	0.19784	0.17916	1.1(35)	0.14864	0.13513
Total Qty Delivered (Thousand m ³)			0	1	0	.0	0	.0	0	.0	0	- 1	0	.0	0	0	1	0	0.	0.	0	0	25,500
EURE	4496																						
NPV (Thousand ID)	16,150		0	- 10	.0	0	:10	:0	: 0	0	: 0	2.0	. 0	- 0	. 0	0	100	0	0	0 :	-2,254	-2,049	1,998
PV of Total Costs (Thousand JD)	9,778		0	1	0	0	0	0	0	D	0	- 1	. 0	. 0	0	0	100	D	0	D	2,254	2,049	535
PV of Total Qty Delivered (Thousand m ³)	35,276		0	1	D	a	D	0	0	D	0	1	0	0	D.	0	- 1	D	0	D	n	σ	3,446
Unit Water Price (Filsho ²)	177							3.0	100	100	1.0							*			*	90	

The Study on Water Resources Management in The Hashemite Kingdom of Jordan
Final Report/Supporting Report Part-A "Master Plan"

Note: Water production cost of 150 fils per m3 was added to the O & M cost.

Weter Produced Spread Monional Woder Physical Looses (%) Physical Looses (%) Physical Looses Adments three Managerial Looses (%) Adments three Managerial Looses Quantity Delivered Quantity Monos Bula are Collected Industrial Water Physical Looses Administ orive Managerial Looses (%) Administ airwe Managerial Looses (%) Administ airwe Managerial Looses Quantity Delivered Quantity Delivered Quantity Delivered Quantity Delivered Administ airwe Managerial Looses Quantity Delivered Administ airwe Managerial Looses Quantity Delivered Quantity Whose Bills are Collected Pleancial Analysis (Thousand JD at 2000 Prices)	1.00 0.00 0.00	Amount 5,344 9,159 0 14,703	0000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3011 1 1 0.23 1 0.19 1 0.19 1 0.19 1 0.21 1 0.23 1 0.23 1 0.23 1 0.23 1 0.23 1 0.23 1 0.23 1 0.23 1 0.23 1 0.24 1 0.25 0.25 1 0.2	2002 0 0 0 0 0 0 0 0 0 0 0 0 0	2103 0 0 1.21 0 0 1.14 0 0 1.14 0 0 1.21 0 1.21 0 0 1.21 0 0 0 0 0 0 0 0 0 0 0 0 0	0004 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2005 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2016	2007 0 0 0 0 0 0 0 0 0 0 0 0 0	2108 0 0 1.17 0 0 1.17 0 0 1.17 0 1.17 0 1.17 0 1.17 0 1.17 0 1.17 0 0 1.17 0 0 1.17 0 0 1.17 0 0 1.17 0 0 1.17 0 0 1.17 0 0 1.17 0 0 1.17 0 0 1.17 0 0 1.17 0 0 1.17 0 0 1.17 0 0 1.17 0 0 1.17	2009 0 0 0 0 0 0 0 0 0 0 0 0 0	0000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	01.1 0 0 0.15 0 0.05 0 0 0.15 0 0 0.05 0 0 0.05 0 0 0.05 0 0 0.05 0 0 0 0	2012 0 0 0 0.15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2013 1 1 1 1 1 1 1 1 1 1 1 1 1	3014 0 0 0.15 0 0.05 0 0 0.05 0 0 0.05 0 0 0.05 0 0 0.05 0 0 0.05 0 0 0 0	0015 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3016 0 0 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2017 0 0 0 0 0 0 0 0 0 0 0 0 0	2018 1	2019 0 0 0.15 0 0 0.05 0 0 0.05 0 0 0.05 0 0 0.05 0 0 0.05 0 0 0.05 0 0 0.05 0 0 0.05 0 0 0 0	19,88 0.1 2,85 0.8 16,13 15,28 0.1 0.8
Serie I More Physical Looses (%) Administrative Managerial Looses (%) Administrative Managerial Looses (%) Physical Looses Administrative Managerial Looses (%) Physical Looses Administrative Managerial Looses (%) Administrative Managerial Looses Country Discoses Administrative Managerial Looses Country Whose Bills are Collected Financial Analysis (Thousand JD at 2000 Prices) Item Par Codi: Loosal Compuseous Fineigs Compuseous Comidative Costs Recontages Municipal Usage (by Chouseoid m²) Municipal Turiff (IDfm²)	0.00 0.00 0.00	5,344 9,359 D	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.23 0.17 0.17 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1.21 0 0 0 1.21 0 0 0 0 1.21 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.19	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.17 0 0 0 0 0 0 1.17 0 0 0 0 0 1.17 0 0 0 0 1.17 0 0 0 0 0 1.17 0 0 0 0 1.17	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.15 0.15 0.05 0.05 0.05 0.05 0.05 0.05	0 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.15 0.05 0.05 0.05 0.05 0.05 0.05 0.05	0.15 0.00 0.15 0.00 0.00 0.00 0.00 0.00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.13 1.05 1.05 1.05 1.15 1.105 1.105 1.105 1.105	0 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19,000 0.3: 2,053 0.0: 951 16,131 15,201 0.3: 0.0:
Monicinal Water Physical Loses (%) Physical Loses Administrative Managerial Loses (%) Administrative Managerial Loses Administrative Managerial Loses Quantity Deferred Quantity Whore Bills are Collected Industrial Water Physical Loses (%) Physical Loses (%) Administrative Managerial Loses (%) Physical Los	0.00 0.00 0.00	5,344 9,359 D	D 0.24 D 0 0.21 D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.23 0.15 0.15 1 1 0.15 0.15 0.15 0.15 0.15	0 0.22 0 0.16 0 0 0 0 0 0.22 0 0 0.16 0 0 0 0.16 0 0 0 0.16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1.21 0 0 0 0 1.21 0 0 0 0 0 0 1.21 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 21 0 0 0 12 0 0 0 12 0 0 0 12 0 0 0 0	0.000 0.000	0.19	0 0 0.18- 0 0 0.08- 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.17 0 0 0 0 0 0 1.17 0 0 0 0 0 1.17 0 0 0 0 1.17 0 0 0 0 0 1.17 0 0 0 0 1.17	0.06 0.08 0.08 0.08 0.09 0.09 0.09 0.09 0.09	0.15 0.15 0.05 0.05 0.05 0.05 0.05 0.05	0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.15 0 0.05 0	1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15	0.15 0.05 0.05 0.05 0.05 0.05 0.05 0.05	0 0.15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.15 0 0.05 0 0 0.05 0 0 0.05 0 0 0.05 0 0 0.05 0 0 0.05 0 0 0.05 0 0 0 0	1.13 1.05 1.05 1.05 1.15 1.105 1.105 1.105 1.105	0.15 0.05 0.05 0.05 0.05 0.05 0.05 0.05	19,001 0.3: 2,851 0.1: 951 16,131 15,201 0.1: 0.0:
Physical Losses (%) Physical Losses Adments travel Managerial Losses (%) Adments travel Managerial Losses Quasity Delivered Quasity Delivered Physical Losses Administrativel Managerial Losses Administrativel Managerial Losses Administrativel Managerial Losses Administrativel Managerial Losses Quasity Delivered Quasity Whose Bills are Collected Imagina Water Physical Losses (%) Physical Losses Administrativel Managerial Losses Quasity Delivered Quasity Whose Bills are Collected Physical Losses Administrativel Managerial Losses Quasity Delivered Quasity Whose Bills are Collected Physical Losses Quasity Delivered Quantity Whose Bills are Collected Physical Cosses Quasity Delivered Quantity Compiseeds Phring Compiseeds Phring Compiseeds Phring Compiseeds Total Coglet Costs Consultative Costs Od & M Costs Total Coglet Econt Economic Costs Od & M Costs Total Cogleted Municipal Usage Qty (Thousand m²) Municipal Usage Qty (Thousand m²) Municipal Tariff (Difm²)	0.00 0.00 0.00	5,344 9,359 D	0.24 0 0.21 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.23 0.19 1 1 1 0.23 0.19 1 0.23 1 0.19 1 0.23 1 1 0.23 1 1 0.23 1 1 0.23 1 1 0.23 1 1 0.23 1 0.24 1 0.25 0.25 1 0.25 0.25 1 0.25 0.25 1 0.25	0.22 0 0.16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.21 0 1.14 0 0 0 1.21 0 0 1.14 0 0 0 1.14 0 0 0 0 1.14 0 0 0 0 1.14 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.21 0 0.12 0 0 0.12 0 0.12 0 0.12 0 0.12 0 0.00 0.0	0.200 0 0.100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.19	0.18 0 0.08 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.17 0 1.17 0 0 0 0 0 1.17 0 0 0 0 0 1.17 0 0 0 0 1.17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.16 0.06 0 0.06 0.06 0.06 0.06 0.06 0.0	0.15 0 0.05 0 0 0.15 0 0.05 0 0 0.05 0 0.05	0.15 0.00 0.00 0.00 0.15 0.00 0.00 0.00	0.15 0 0 0 0 0 0 0 0 0.05 0 0 0 0 0.05 0 0 0 0	1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15	0.15 0.05 0.05 0.05 0.05 0.05 0.05 0.05	0.15 0.05 0.05 0.05 0.05 0.05 0.05 0.05	0.15 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.15 0 0 0 0 0 0 0 0 0.15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.13 1.05 1.15 1.15 1.15 1.15 1.15 1.105 1.105 1.105	0.15 0.05 0.05 0.05 0.05 0.05 0.05 0.05	0.1: 2,851 0.1: 951 15,281 0.1: 0.1:
Physical Losses Administrative Managerial Losses (%) Administrative Managerial Losses Quarity Delivered Quarity Whose Bibs are Collected Industrial Water Physical Losses Physical Losses Administrative Managerial Losses (%) Administrative Managerial Losses (%) Administrative Managerial Losses Quarity Delivered Quarity Mone Bibs are Collected Insisting Water Physical Losses Administrative Managerial Losses Administrative Managerial Losses Administrative Managerial Losses Quarity Delivered Quarity Monesed Quarity Whose Bibs are Collected Financial Analysis (Thousand JD at 2000 Prices) Item Par Local Compuseds Fireiga Compuseds Fireiga Compuseds Fireiga Compuseds Contact Contact Od M Contact Contact Contact Od M Contact Total Capital Conta Contact Con	0.00 ercess. 30% 64%	5,344 9,359 D	D D D D D D D D D D D D D D D D D D D	0.17 0.17 1 1 0.21 1 0.17 1 0.17 1 0.17 1 0.17 1 0.17 1 0.17	0 0.16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1.14 0 0 0 1.21 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 D.10 D D D D D D D D D D D D D D D D D D D	0.09	0 0.08 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.000 0 0 0 0 0 0.00 0 0.00 0 0 0 0 0 0.00 0 0 0	0.05 0.05 0.05 0.15 0.05 0.05 0.05 0.05	0 005 0 0 0 0 0 15 0 0 0 055 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.05 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0.03 0 0 0 0 1 0.05 0 0 1.05 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.05 0 0 0 0 0.15 0 0.05 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D D.US D D D D D D.US D D D D.US D D D D.US D D D D D.US D D D D D.US D D D D D D.US D D D D D D D D D D D D D D D D D D D	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.05 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1.05 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.055 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2,851 0.8: 951 16,131 15,281 0.8: 0.8:
Admenstrative Managerial Looses (%) Admenstrative Managerial Looses Quantity Delivered Quantity Whose Balls are Collected administ Water Physical Looses (%) Physical Looses (%) Physical Looses (%) Physical Looses (%) Administrative Managerial Looses (%) Administrative Managerial Looses Quantity Delivered Quantity Managerial Looses (%) Physical Looses	0.00 ercess. 30% 64%	5,344 9,359 D	0.21 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.19 1 1 1 0.19 0.19 1 0.19 1 0.19 1 0.19 1 0.19 1 0.19 1 0.19	0.16 0 0 0 0 0 0 0 0 0,16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.14 0 0 0 1.21 0 1.21 0 1.21 0 0 1.21	0.12 0 0 0.21 0 0.12 0 0 0.12 0 0 0.21 0 0.21 0 0.21	0.10 0 0 0 0.20 0 0.10 0 0 0.10 0 0 0.20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.09	D.US 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.17 0 0 0 0 0 0 1.17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.06 0 0 0 16 0 0.06 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.05 0 0 0 0.05 0 0.05 0 0 0.05 0 0.05 0.05	0.15 0.00 0.15 0.00 0.00 0.00 0.00 0.00	0.05 0 0 0 0.15 0 0.05 0 0 0 0.05 0 0 0.05	1.05 1 1 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15	0.05 0 0 0 0.15 0 0.05 0 0 0 0.05 0 0.05	D.05 D D D D D D D D D D D D D D D D D D D	005 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.05 0 0 0 0 0.05 0 0 0 0 0 0 0 0 0 0 0	1.05 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.05 0 0 0 0 0.05 0 0 0 0.05 0 0 0.05 0 0 0 0	0.8: 951 15,131 15,281 0.8: 0.8:
Administrative Managerial Losses Quantity Delivered Quantity Managerial Costes Physical Losses (%) Physical Losses Administrative Managerial Losses (%) Administrative Managerial Losses Administrative Managerial Losses Quantity Delivered Quantity Whose Bills are Collected Impaction Walter Physical Losses (%) Physical Losses (%) Physical Losses (%) Physical Losses (%) Physical Losses Administrative Managerial Losses Quantity Delivered Quantity Delivered Quantity Whose Bills are Collected Planancial Analysis (Thousand JD at 2000 Prices) Item Per Local Compusers Local Compusers Duty & Tottes Total Copts Total Copts Total Copts Total Copts Total Copts Municipal Usage Qty (Thousand m²) Municipal Usage Qty (Thousand m²) Municipal Usage Qty (Thousand m²) Municipal Tariff (ID/m²)	0.00 ercess. 30% 64%	5,344 9,359 D	0 0 0 0.24 0 0.21 0 0 0 0.21 0 0 0.21 0 0 0.21	0 19 0 19 0 19 0 19 0 19 0 19 0 19 0 19	0 0 0 0 0 22 0 0 0,0 0 0 0 0 0 0 0 0 0 0	0 0 0 1.21 0 0 1.14 0 0 1.14 0 0 0	0 0 0 0 0.21 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0.20 0 0.10 0 0.20 0.10 0 0 0.00 0	0.09	0 0 0 0 0.12 0 0.03 0 0 0 0 0.13 0 0.03 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1.17 0 0 0.17 0 0 1.17 0 1.17 0	0 0 0 0.16 0 0.06 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0.15 0 0.05 0 0 0.15 0 0 0.05 0 0.05	0 0 0 0 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0.15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D D D D D D D D D D D D D D D D D D D	0 0 0 0 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 155 0 0 0 0 0 0 0 0 0 0 0 0 0 0	95 16,13 15,28 0.1 0.8
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Quantity Whene Bills are Collected Infantrial Water Physical Losses (%) Physical Losses (%) Physical Losses (%) Physical Losses (%) Administrative Managerial Losses (%) Administrative Managerial Losses (%) Quantity Delivered Quantity Whose Bills are Collected Infantsion Water Physical Losses (%) Physical Losses (%) Physical Losses (%) Administrative Managerial Losses (%) Administrative Managerial Losses (%) Administrative Managerial Losses (%) Administrative Monagerial Losses (%) Physical Losses (%) Physical Losses (%) Per Countity Delivered (%) Rem Part Countity Delivered (%) Dem Per Losses (%) Dem Per Losses (%) Per Losses (%) Detail Compuseds Pereigs Compuseds Pereigs Compuseds Duty & Torres Control Code (%) Co	0.00 ercess. 30% 64%	5,344 9,359 D	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 23 0 19 0 19 1 1 1 1 0 23 1 1 0 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 222 0 0.16 0 0 0 0 0 0 0.22 0 0.22 0 0.26 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1.21 0 0 0 1.44 0 0 0 0 1.24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0.12 0 0.12 0 0 0 0.21 0 0.12 0 0.00 0.0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.13 0.03 1 1 1 0.13 1 0.03 1	0 0 0.12 0 0.08 0 0 0 0.08 0 0.08	1.17 0 1.17 0 0 0 0 0 1.17 0 1.17 0 0 0.00	0 0 16 0 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0.15 0 0.05 0 0 0.05 0 0.05	1 1.15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	D D D D D D D D D D D D D D D D D D D	0 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.15 0 0.05 0 0 0 0 0 0.05 0 0 0.05 0 0 0 0	115 103 1 1 1 1 1 1.15 1 1.05	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	15,281 0.1: 0.8: 0.8:
Industrial Water Physical Losses (%) Physical Losses Administ circe Managerial Losses (%) Administ circe Managerial Losses (%) Administ circe Managerial Losses Quantity Observed Quantity Whose Bills are Collected Imagino Water Physical Losses (%) Physical Losses (%) Physical Losses (%) Physical Losses Administ attree Managerial Losses Quantity Delivered Quantity Delivered Quantity Whose Bills are Collected Planancial Analysis (Thousand JD at 2000 Prices) Item Per Local Compuseds Fireign Compuseds Fireign Compuseds Fireign Compuseds Total Copies Total Copies Total Copies Total Copies Total Copies Municipal Usage Qty (Thousand m²) Municipal Usage Qty (Thousand m²) Municipal Tariff (IDfm²)	0.00 ercess. 30% 64%	5,344 9,359 D	0 0.24 0 0.21 0 0 0 0 0 0.24 0 0 0.21 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 23 0 19 0 19 1 1 1 1 0 23 1 1 0 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 22 0 0.16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1.21 0 1.14 0 0 0 0 0 1.21 0 0 0.144 0 0	0 0.21 0 0.12 0 0 0 0 0 0.21 0 0.12 0 0	0 0.20 0 0.10 0 0 0 0 0 0.20 0 0.10 0	0.13 0.03 1 1 1 0.13 1 0.03 1	0 0.12 0 0.05 0 0 0 0 0 0 0 0 0 0 0.08 0 0 0 0 0 0 0	1.17 0 1.17 0 0 0 0 0 1.17 0 1.17 0 0 0.00	0 0 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.15 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005 0.005	0 0.15 0 0.05 0 0 0 0 0.05 0 0.05 0	1 1.15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.15 0 0.05 0 0 0 0 0 0.05 0 0 0.05 0 0 0 0	115 103 1 1 1 1 1 1.15 1 1.05	0 0.15 0 0.005 0 0 0.05 0.05	0.1: 0.1: 0.1: 0.1: 0.1:
Physical Losses (%) Physical Losses Administrate/Managerial Losses (%) Administrate/Managerial Losses (%) Administrate/Managerial Losses Quantity Defeated Quantity Defeated Physical Losses Quantity Defeated Physical Losses Physical Losses Administrate/Managerial Losses Administrate/Managerial Losses Quantity Defeated Physical Losses Quantity Defeated Clearity Defeated Clearity Defeated Clearity Whore Bibs are Collected Clearity Opening Defeated Clearity Companiests Duty & Torres Total Capital Costs Compliance Control Costs Od & M Costs Total Costs Total Capital Costs Compliance Control Costs Od & M Costs Total Capital Costs Compliance Costs Costs Compliance Costs Costs Compliance Costs Compliance Costs	0.00 ercess. 30% 64%	5,344 9,359 D	0.24 0 0.21 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	021 017 1 1 1 023 1 0.19 1 0.19 1 0.19	0.22 0 0.16 0 0 0 0 0 0 0 0 0.22 0 0.16 0 0	1.21 0 1.14 0 0 0 0 0 1.21 0 0 1.21 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.21 0 0.12 0 0 0 0 0 0 0 0 0.21 0 0 0.12 0 0	0.30 0.10 0 0 0 0 0 0 0 0.20 0 0.10 0 0 0.20 0 0.00 0 0.00 0 0.00 0 0 0.00 0 0 0.00 0 0 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.13 0.03 1 1 1 0.13 1 0.03 1	0.12 0.08 0.08 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.17 0 1.17 0 0 0 0 0 1.17 0 1.17 0 0 0.00	0.16 0.00 0.00 0 0 0.00 0.16 0.06 0	0.15 0 0.05 0 0 0 0 0 0.15 0 0.06	0.15 0.005 0.005 0.00 0.00 0.15 0.005 0.005	015 0 005 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1.15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.15 0.05 0.05 0.05 0.05 0.05 0.05	0.15 0.05 0.05 0.05 0.05 0.05 0.05 0.05	0 15 0 005 0 005 0 0 0 0 0 0 0 0 0 0 0 0 0	0.15 0.05 0.05 0.05 0.05 0.05 0.05 0.05	115 103 1 1 1 1 1 1.15 1 1.05	0.15 0.05 0.05 0.05 0.05 0.05 0.05	0.1: 0.0: 0.1:
Physical Losses Administrative Managerial Losses (%) Administrative Managerial Losses Quantity Delivered Quantity Delivered Quantity Whose Bilo are Collected Immation Walter Physical Losses (%) Physical Losses (%) Physical Losses (%) Administrative Managerial Losses Quantity Delivered Quantity Delivered Quantity Delivered Managerial Losses Quantity Whose Bilo are Collected Planacial Analysis (Thousand JD at 2000 Prices) Dem Per Local Computereds Fireign Computereds Fireign Computereds Fireign Computereds Fireign Computereds Contact Contact O & M Conta Total Capital Conta Contact Contact Contact Contact Municipal Usage Qty (Thousand m²) Municipal Tariff (Difer²)	90% 64%	5,344 9,359 D	0 0.23 0 0 0 0 0.24 0 0.21 0 0 0	0.19 1 1 1 0.23 1 0.19 1 1 1 0.23	0 0.16 0 0 0 0 0.22 0 0.16 0	0 1.14 0 0 0 0 1.21 0 1.14 0 0 0.0 0	0 0.12 0 0 0 0 0.21 0 0.12 0 0.12 0	0 0.10 0 0 0 0 0.20 0 0.10 0 0 0	0.09 1 1 1 1 0.19 1 0.09	0 0.08 0 0 0 0 0 0.18 0 0.08	0 1.17 0 0 0 0 0 1.17 0 1.17 0 0 0	0 0.05 0 0 0 0 0.6 0.06 0	0 0.05 0 0 0 0.15 0 0.05 0	0 005 0 0 0 0 0 0.15 0 0.05 0	0 0.05 0 0 0 0.15 0 0.05 0	1 1.15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0,05 0 0 0 0 0 0 0.15 0 0,05 0	0 0.05 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.05 0 0 0 0 0.13 0 0.05 0	1.05 1.05 1.15 1.15 1.05 1.05	0 0.05 0 0 0 0.15 0 0.05	D. 81 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Administrative Managerial Looses (%) Administrative Managerial Looses Quantity Deferred Quantity Whose Bills are Collected Immation Water Physical Looses (%) Physical Looses (%) Physical Looses (%) Physical Looses Administrative Managerial Looses Quantity Defeored Quantity Defeored Quantity Whose Bills are Collected Planancial Analysis (Thousand JD at 2000 Prices) Dem Per Local Compuseds Fireign Compuseds Fireign Compuseds Total Cogletic Costs Out all Totals Total Cogletic Costs Od & M Costs Total Cogletic Total Cogletic Recentures Municipal Usage Qty (Thousand m²) Municipal Tariff (Difes²)	90% 64%	5,344 9,359 D	0.23 0 0 0 0 0.24 0 0.21 0 0 0	1 1 1 023 1 0.13 1 1 1 1	0.16 0 0 0 0 0 0.22 0 0.16 0 0	1.14 0 0 0 0 1.21 0 1.14 0 0	0.12 0 0 0 0 0.21 0 0.12 0 0	0.10 0 0 0 0 0 0.20 0 0.10 0 0	1 1 1 0 L9 1 0 09	0.08 0 0 0 0 0 0.18 0 0.08	1.17 0 0 0 0 0 1.17 0 1.17 0 0 0	0.06 0 0 0 0 0.16 0 0.06 0	0.05 0 0 0 0 0.15 0 0.05 0	0 05 0 0 0 0 0 0 0.15 0 0 0.05 0 0	0.05 0 0 0 0 0.15 0 0.05 0	1 1 1 1 1:15 1 1:15 1 1:15 1	0.05 0 0 0 0 0.15 0 0.05 0	0.05 0 0 0 0.15 0 0.05	0.05 0 0 0 0 0.15 0 0.05 0 0.00 0	0.05 0 0 0 0 0.15 0 0.05 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.05 0 0 0 0.15 0 0.05 0	D.E D.1
Administrative Managerial Looses Quantity Definered Quantity Definered Quantity Definered Physical Looses (%) Physical Looses Administrative Managerial Looses Administrative Managerial Looses Administrative Managerial Looses Quantity Definered Quantity Definered Quantity Definered Quantity Whore Biblis are Collected Financial Analysis (Thousand JD at 2000 Prices) Item Par Loosi Compuseds Fireigs Compuseds Fireigs Compuseds Fireigs Compuseds Contact Contact Ode M Contact Contact Contact Ode M Contact Total Capital Conta Contact Contact Contact Municipal Usage Qty (Thousand m²) Municipal Tariff (IDfor²) Municipal Tariff (IDfor²)	90% 64%	5,344 9,359 D	0 0 0 0 0.24 0 0.21 0 0 0	1 1 1 023 1 0.13 1 1 1 1	0 0 0 0 0.22 0 0.16 0 0	0 0 0 0 1.21 0 1.14 0 0	0 0 0 0 0.21 0 0.12 0 0 0	0 0 0 0 0.20 0 0.10 0 0 0	1 1 1 0 L9 1 0 09	0 0 0 0 0.13 0 0.08 0	0 0 0 0 1.17 0 1.17 0 0	0 0 0 0.14 0 0.06 0	0 0 0 0 0.15 0 0.05 0	0 0 0 0 0.15 0 0.05 0	0 0 0 0 0.15 0 0.05 0	1 1 1 1 1:15 1 1:15 1 1:15 1	0 0 0 0.15 0.05 0.05	0 0 0 0 0.15 0 0.05 0	0 0 0 0 0.15 0 0.05 0	0 0 0 0 0.13 0 0.05 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0.15 0 0.05 0	D.1 D.8
Quantity Delivered Quantity Pelivered Quantity Whose Bilo are Collected Immation Water Physical Looses (%) Physical Looses (%) Physical Looses Administrative Managerial Looses Quantity Delivered Managerial Looses Quantity Delivered Quantity Whose Bills are Collected Planacial Analysis (Thousand JD at 2000 Prices) Dem Per Loosi Companents Duty & Torres Total Capital Costs Quantity Costs Quantity Costs Quantity Costs Quantity Costs Quantity Costs Total Conter Total Cont	90% 64%	5,344 9,359 D	0 0 0 0.24 0 0.21 0 0 0	0 21 0 21 0 413 1 1 1 1 1 1 2011	0 0 0 0.22 0 0.16 0 0	0 0 0 1.21 0 1.14 0 0	0 0 0.21 0 0.12 0 0 0	0 0 0 0.20 0 0.10 0 0	0 L9 0 L9 0 0 09	0 0 0 0.18 0 0.08 0	0 0 0 1.17 0 1.17 0 0 0 0	0 0 0.16 0 0.06 0 0	0 0 0 0.15 0 0.05 0	0 0 0 0.15 0 0.05 0 0	0 0 0 0.15 0 0.05 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0.15 0 0.05 0	0 0 0 0.15 0 0.05 0	0 0 0 0.15 0 0.05 0 0	0 0 0 0.15 0 0.05 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0.15 0 0.05 0	D.1 D.6
Quantity Whore Bills are Collected Intention Water Physical Looses (%) Physical Looses (%) Physical Looses (%) Physical Looses (%) Administrative Managerial Looses (%) Administrative Managerial Looses (%) Quantity Delivered (Quantity Delivered (Quantity Delivered (Quantity Delivered (Quantity Whore Bills are Collected (Quantity Delivered (Quantity Whore Bills are Collected (Quantity Co	90% 64%	5,344 9,359 D	0 0 0.24 0 0.21 0 0 0	0 23 0 23 0 45 1 0 45 1 1 3011	0 0 0.22 0 0.16 0	0 0 1.21 0 1.14 0 0	0 0 0.21 0 0.12 0 0 0	0 0.20 0.10 0 0 0 0	1 0 15 1 0 05 1 1 1	0 0 0.18 0 0.08 0	D 1.17 D 1.17 D D	0 0.16 0 0.06 0 0	0 0.15 0.05 0.05 0	0 0.15 0 0.05 0 0 0	0 0 0.15 0 0.05 0	1 1,85 1 1	0 0 0.15 0 0.05 0 0	0 0.15 0 0.05 0 0	0 0 t5 0 as 0 a	0 0 0.15 0 0.05 0	1.15 1 1.05 1 1	0 0.15 0.05 0.05 0	D.1
Quantity Whore Bills are Collected Intention Water Physical Looses (%) Physical Looses (%) Physical Looses (%) Physical Looses (%) Administrative Managerial Looses (%) Administrative Managerial Looses (%) Quantity Delivered (Quantity Delivered (Quantity Delivered (Quantity Delivered (Quantity Whore Bills are Collected (Quantity Delivered (Quantity Whore Bills are Collected (Quantity Co	90% 64%	5,344 9,359 D	D 0.24 D 0.21 D 0 D 0 D 0 D 0 D 0 D 0 D 0 D 0 D 0 D	0 23 1 0 13 1 1 1 1 1 2011	0 0.22 0 0.16 0 0	0 8.14 0 0 0 0	0 0.21 0 0.12 0 0 0	0 0.20 0.10 0 0 0	0 19 0 19 0 09 1	0 0.18 0 0.08 0 0	D 1.17 D 1.17 D D	0 0.16 0 0.06 0 0	0.15 0.05 0.05 0	0.15 0.05 0.05 0.05	0 0.15 0 0.05 0	1 1,85 1 1	0 0.15 0 0.05 0 0	D 0.15 0 0.05 0 0	0 0 15 0 0 035 0 0	0 0.15 0 0.05 0	1.15 1 1.05 1 1	0 0.15 0 0.05 0 0	D.1
Invasion Water Physical Losses (%) Physical Losses Adminish stree'Managerial Losses Adminish stree'Managerial Losses (%) Adminish stree'Managerial Losses Quantity Disserted Quantity Whose Bills are Collected Financial Analysis (Thousand JD at 2000 Prices) Item Par Local Compusereds Fireiga Compusereds Fireiga Compusereds Duty & Tottes Total Capital Costs Carnalistive Costs O & M Costs Total Corte Foreiga Costs Municipal Usage Qty (Thousand m²) Municipal Tariff (Difer²)	90% 64%	5,344 9,359 D	0.24 0 0.21 0 0 0	0.23 1 0.13 1 1 1 3 1 3	0.22 0 0.16 0 0	0 1.14 0 0 0 0 0 0	0.21 0 0.12 0 0 0	0.20 0 0.10 0 0 0	0.15 0.05 1 1	0.18 0 0.08 0 0	11.17 D 11.117 D D	0.16 0 0.06 0 0	0.15 D 0.05 D D	0.15 0 0.05 0 0	0.15 0 0.05 0 0	1 1,85 1 1	0.15 0 0.05 0 0	0.15 0 0.05 0 0	0 15 0 0 03 0 0	0 0.05 0 0	1.15 1 1.05 1 1	0.15 0 0.05 0 0	D.1
Physical Looses (%) Physical Looses Administrative/Managerial Looses (%) Administrative/Managerial Looses Quantity Delivered Quantity Whose Bills are Collected Pleancial Analysis (Thousand JD at 2000 Prices) Deen Per Loosi Compuseds Pareigs Compuseds Foreigs Compuseds Total Capital Costs Camalative Costs Od M Costs Total Costs Total Costs Municipal Usage Qty (Thousand m ²) Municipal Turiff (IDfm ²)	90% 64%	5,344 9,359 D	D D.21 D D D D D D D D D D D D D D D D D D D	1 0.13 1 1 1 3011	0 0.16 0 0	0 8.14 0 0 0	0 0.12 0 0 0	0 0.10 0 0 0	0.07	0 0.08 0 0	0 1.07 0 0	0.06 0 0 0	D 0.05 D D	0 0.05 0 0	0 0.05 0 0	1 1,85 1 1	0 0.05 0 0 0	D. DS D. DS D. D	0 0.05 0 0	0 0.05 0 0	1 1.05 1 1	0 0.05 0 0	0.1
Physical Losses Administrated Managerial Losses (%) Administrated Managerial Losses Quantity Delivered Quantity Delivered Quantity Whose Bills are Collected Financial Analysis (Thousand JD at 2000 Prices) Dem Per Local Computeds Fireign Computeds Fireign Computeds Total Capital Costs Outsaldire Costs Od & M Costs Total Copte Total Costs Municipal Usage Qty (Thousand m²) Municipal Usage Qty (Thousand m²) Municipal Tariff (ID/m²)	30% 64%	5,344 9,359 D	D D.21 D D D D D D D D D D D D D D D D D D D	1 0.13 1 1 1 3011	0 0.16 0 0	0 8.14 0 0 0	0 0.12 0 0 0	0 0.10 0 0 0	0.07	0 0.08 0 0	0 1.07 0 0	0.06 0 0 0	D 0.05 D D	0 0.05 0 0	0 0.05 0 0	1 1,85 1 1	0 0.05 0 0 0	D. DS D. DS D. D	0 0.05 0 0	0 0.05 0 0	1 1.05 1 1	0 0.05 0 0	0.1
Adminish stree'Managerial Loures (%) Adminish stree'Managerial Loures Quantity Distored Quantity Distored Quantity Whose Bills are Collected Financial Analysis (Thousand JD at 2000 Prices) Item Par Local Companents Duty & Tottes Total Capital Costs Complaints Costs On Maltire Costs O & M Costs Total Costs Total Costs Total Costs Municipal Usage Qty (Thousand m²) Municipal Tariff (Difus')	30% 64%	5,344 9,359 D	D.21 D D D	0.13 1 1 1 1 3011	0.16 0 0 0	0.14 0 0 0	0.12 0 0 0	0.10 0 0 0	- 1	0.08 0 0 0	1.17 0 0 0	0.06 0 0 0	0.05 D D	a as a a	0.05 0 0 0	1,15 1 1	0.05 0 0 0	0.05 0 0 0	0.05 0 0	0.05 0 0 0	1.05 1 1	0.05 0 0 0	0.6
Administrative Managerial Loures Quantity Delivered Quantity Whose Bills are Collected Financial Analysis (Thousand JD at 2000 Prices) Item Par Zodis Local Computerits Farriga Computerits Total Copital Costs Connulative Costs Oat M Costs Total Costs Total Costs Municipal Usegs Qty (Thousand m ³) Municipal Tariff (IDfm ³)	30% 64%	5,344 9,359 D	2000 0 0 0 0 0	3011	0 0 0	0 0 0	0 0 2004	0 0 0 2005	- 1	0 0 0	D D 0	0 0 0	D D D	0 0 0	0 0 0	1 1 1	û û Û	D D	0 0 0	0 0 0	1 1	0 0	
Quantity Delinant Quantity Whose Bills are Collected Financial Analysis (Thousand JD at 2000 Prices) Dem Per Doub Local Companents Local Companents Party & Tottes Total Capital Costs Oursulative Costs Od & M Costs Total Costs Total Costs Musicipal Usage Qty (Thousand m²) Musicipal Tariff (Difes²)	30% 64%	5,344 9,359 D	2000 0 0	3011	0	2803	2004	0 0 2005	- 1	0	B 0	0	B 0	0	0	- 1	0	0	0	0	i	0	
Quantity Whose Bills are Collected Financial Analysis (Thousand JD at 2000 Prices) Bean Par Local Computeres Foreign Computeres Foreign Computeres Foreign Computeres Total Capital Costs Carvalative Costs O & M Costs Total Conter Foreign Usage Qty (Thousand m²) Municipal Usage Qty (Thousand m²)	30% 64%	5,344 9,359 D	2000	3011	0	2903	2004	2005	2016	0	0 2106	0	0	0	0	- 1	0	D	0	0	2115	0	
The The Theorem of The Theorem of The Theorem of Theore	30% 64%	5,344 9,359 D	2000 0 0	0	vin Desper	1	2004	2005	2016	-00 VC	2106		100	701.1	- 100 - 0.00	2113		-		W.	2115		20
Deen Par Local Companents Farrigs Companents Farrigs Companents Duty & Taxers Total Capaba Coms Camalative Costs O & M Costs Total Costs Total Costs United Costs O & M Costs Total Costs Municipal Usage Qty (Thousand m²) Municipal Usage Qty (Thousand m²)	30% 64%	5,344 9,359 D	0	0	2002 f	1			2016	2007	2106	2009	2010	2011	2012	2113	2014	2015	301.6	2017	2115	2019	
Conty Local Computereds Foreign Computereds Duty & Totre Total Capital Conts Camalaire Conts O & M Conte Total Conte Servines Municipal Usage Qty (Thousand m ²) Municipal Turiff (IDIns ²)	30% 64%	5,344 9,359 D	0	0	2002 f	1			2016	2007	2106	2009	2010	201.1	2017	2113	2014	2015	301.6	5012	2115	2019	
Local Computeritis Fareiga Computeritis Duty & Tours Total Capital Costs Cannaldirer Costs O & M Costs Total Costs Total Costs Total Costs Municipal Usage Qty (Thousand m ²) Municipal Turiff (ID/m ²)	6456	9,159 D	0		1	0	D	0					83699.1	4011	MAC (Mac)						22.40	W/V-17	2020
Firming Components Daty & Taxes Total Coping Costs Commission Costs O & M Costs Total Costs Total Costs Musicipal Usage Qty (Thousand m²) Musicipal Tariff (Difes²)	6456	9,159 D	0		1	0	D	0															
Duty & Tottes Total Capital Costs Outsiletine Costs O & M Costs Total Costs Total Costs Revenues Municipal Usage Qty (Thousand m ²) Municipal Turiff (IDfm ²)		D		0	1	100			0	- 1	0	D	0	0	1	0	D	0	0	1.0	2,672	2,612	- 1
Total Capital Costs Carnaldrer Costs O & M Coste Total Coste Recenturs Municipal Usage Qty (Throscand m ²) Municipal Tariff (ID/m ²)	056		0			- 11	D	.0	.0	- 1	0	D	0	B.	1	0	D	0	0.	1	4,679	4,619	
Canalative Costs O & M Costs Total Coste Recentes Musicpol Usage Qty (Thousand m²) Musicpol Tariff (Difar)		14,703		0	1	.0	D	0	0	1	0	0	· · · · · · · · · · · · · · · · · · ·	0	1	0	D.	0	0	1	- ŭ	D	31
Canulative Costs O & M Costs Total Costs Recentless Mustipol Usage Qty (Thousand m²) Mustipol Tariff (ID/m²)			0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	- 1	7.352	7,312	
O & M Conte Total Corte Revenues Municipal Usage Qty (Thousand m ²) Municipal Turiff (ID/m ²)			0	0	1	0	0	0	0	1	0	. 0	0	0	1	0	0	0	0		7,352	14,783	14,70
Total Costs Revenues Municipal Usage Qty (Throcond m ²) Municipal Turiff (ID/m ²)			0	0	1	o	0	0	0	31	0	. 0	0	Ď.	1	0	0	0	0		0	. 0	1.80
Revenues Municipal Usage Qty (Thousand m²) Municipal Turiff (ID/m²)			a.	ù	1	0	D	0	.0	- 1	a	0	0	0	1	0	0	0	n	1	7,352	7,352	1,20
Municipal Usage Qty (Thousand m ²) Municipal Turiff (ID/m ²)																					100000	15.00	575.155
Municipal Tariff (ID/m²)																							
			0	1	0.	0	0	0		. 0	. 0	. 0	0	0	0		0	0	0	0		0	15.70
			8.294	0.294	0.294	0.214	0.294	1.294	0.294	0.294	0.214	0.294	1.294	0.294	0.294	0.214	0.294	1.294	0.294	0.294	0.224	0.294	1.25
			0		0	0	0	.0		0	0	8	0	0	0		0	8	0	.0		.0	4.41
				- 6			- 27	28			1 1					- 3			- 0		- 10		35.50
Industrial Usage Qty (Thousand m ²)			D	1	.0	0	.0	. 0		0	0	0	0	0	0	1	0	D	0	. 0	1	0	
Industrial Terriff (JD/m ²)			1.100	E001	1.000	1.010	1.000	1.800	1.003	1.000	1.010	1.000	1.100	1.000	1.000	1.016	1.000	1.300	1.000	1.000	1.001	1.000	1.11
Industrial Revenues (Thousand JD)			0	1	0	0	0	D	1	0	0	0	D.	0	0	1	0	0	0	0	1	0	-
Imigation Usage Qty (Thousand m ³)			D		0	D	0	0		.0	D	0	0	0	0		0	0	0	0		0	
Imigation Terriff (JD/m²)			0.010	0.010	0.011	0.010	0.030	0.010	0.010	0.014	0.010	1.010	0.010	0.010	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Imigatian Revenues (Thousand JD)			0	1	0	D	0	0	1.1	0	0	0	0	0	0	1	0	0	0	0	- 1	0	- 3
Total Revenues (Thousand JD)			D	1	0	0	0	0	- 1	0	0	0	0.	0	0	1	0	0	0	0	- 1	0	4,41
State of the State							0.00	100				11.50	100	200			(0)	100				0.75	
Net Cash Flow (Thousand JD)			0		0	D	0	. 0		0	0	0	0	0	0	1	0	0	0	0	-7,352	-7,352	1,80
Discounting (DR=6.5%)			0.93197	0.88166	0.82765	0.777732	II.T2988	0.68533	0.64351	0.61423	0.56735	1.53273	0.50021	0.46963	0.44103	0.41411	1.38883	0.36510	0.34281	0.32189	0.30224	1.28380	0.2664
Total Qty Whose Bills are Collected (T m ³)			D	1	0	0	0	0	1	0	0	0	0	0	0	1	0	D	0	0	- 1	0	15,28
18. 20.00 FE 100.00 (Astronomy or 10.00 Astronomy 19.00 Astron																							
FIRE	10%																						
	1,722		D.	1	0	.0	0	. 0		.0	D	0	0	0	0	30	a	D	0	0	-2,222	-2,086	44
PV of Total Costs Thousand JD)	14,443		D.	1	0	D	0	0	- 31	0	D	0	0	0	0	1.5	O.	D	0	0	2,222	2,086	74
							100	n	- 1	n	n	0	0	7	0	*	п	D	0	n	1	0	4,150
Unit Water Price (Filam")	54.915		D	1	n	D	0.								90.0					3.00		100	7,44

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ltem.	Percent	Amount	2000	3001	2002	2003	2104	2005	2016	2007	2010	2009	2011	2011	2012	5012	2014	2115	2016	2017	2816	2015	2020
osts																							
Local Components	3614	5,344	0	0	0	D	0	1	0	1	.0	0	.0	0	0	0	0	0	E	0.	2,672	2,672	
Foreigs Compounds	64%	9,359	0	0	Ü .	0.	0	1	.0	1	. 0	0	. 0	0	.0	0	0	0	0.0	0	4,679	4,679	
Duty & Taxes	01%	D	0	D	0	D	0	1	0	1	.0	.0	D	0	D	0	0	0		0	1	D.	
Total Capital Costs		14,703	0	D	0	D.	0		.0	1	.0	.0	0	0	D	0	0	0		0	T,352	7,752	
Cumulative Costs			0	D	0	D	0	1	0	3.0	B	0	0	0	D	0	D	0	- 1	0	T,352	14,703	14.7
C & M Costs			0	0	0	0	0	1.0	0	(1)	0	0	0	0	0	0	D	0	- 1	0	10	0	2,9
Total Custs			0	0	a	0	0	1	0	1	0	a	0	0	0	Q	0	0	t	0	7,352	7,152	2,94
enefits																							
Municipal Usage Qty (Thousand m ³)			0	0	0	.0	T-	0	3.1	0	0	0	8.0	0	. 0	0	0	100	0	45	0::	0	16,13
Unit Benefits of Municipal Water (JD/m²)			1.775	0.735	0.735	0.735	0.735	0.735	0.735	0.135	0.735	1.735	0.735	1.725	0.735	0.735	0.735	0.735	0.735	0.735	1.735	0.735	1.7
Municipal Benefits (Thrus and JD)			0	D	0	D	ū	1	0	1	D	0	0	0	0	0	0	0	- 1	0.	1	0	11,8
Industrial Usage City (Thousand m ³)			n:	n	n:	n	0.0		0	31	3.0	- 0	n o	20	D	n.	n n	0	- 6	0.5	10	n	
Unit Benefits of Industrial Water (JD/m²)			2,740	2.740	2.740	2.740	2.741	2.740	2.741	2.740	2.740	2.740	2.740	2.740	2.740	2.740	2.740	2.741	2.740	2.741	2.740	2.740	2.7
Industrial Benefits (Thousand JD)			0	D	0	2.140	0.746	4.190	0	2.740	0	0	D	0	D	0	2.740	0	2.740	2,48	4.140	0	
indiana ocarda ((notada 32)				30			**			100			80		b			4					
Imigation Usage Qty (Throward m ⁵)			0	Ð	0	0	0		0	- 30	.0	0	0	0	0	0	D	0	0.0	0	10	0	
Unit Benefits of Imigation Water (ID/m ⁵)			0.283	1:213	0.283	0.213	0.283	0.351	0.283	0.283	0.283	0.283	1.283	0.283	1.215	0.263	0.293	0.263	0.391	0.283	0.253	1.263	0.2
Imigation Benefits (Thousand JD)			D	σ	D	0		0	1	.0	0	0	0	0	0	0	0		0	1	0	0	
Total Benefits (Thresand JD)			D	σ	0	σ	1	0	1	0	σ	0	0	0	σ	0	0	1	0	1	0	a	11,87
let Cash Flow (Thrusand JD)			D	0	0.0	0	30	-0	28	90	0	0.0	0	D		0	0	61	0	100	-7,152	-7,352	8,9
Sucrenting (DR=L0%)			0.90919	0.12545	0.75131	1.68301	0.62092	1.56447	0.51314	0.46651	0.42410	0.38554	0.35049	0.31863	1.28966	0.26313	1.21939	0.21761	0.19784	0.17984	0.16151	0.14864	@ 135
otal Qty Delivered (Thousand m ³)			D	σ	0	0	1	0	1	0	0	0	0	0	0	0	0		0	1	0	σ.	16,1
IRR	49%																						
(PV (ThousandJD)	10,153		D:	0	- D	0	3.5	:0:	96	× 0	- 0	≥0	:: a	0.00	0.0	- B	0.00	107	000	10	+1,202	-1,093	1,2
V of Total Costs (Thousand JD)	6,168		0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	1,202	1,093	1
V of Total Qty Delivered (Thousani m ³)	22,341		n		n	0	- 7	n	- 7		0		0	n.	0	0	0		0	1	0	n	2,1
Fait Water Price (Fik/m²)	285								- 6									- 5		- 8			-

Note: Water production cost of 150 file per m3 was added to the O & M cost

Hydraulic Analysis (Thousand m ² /yr) Den.	Allocation		2110	2101	2112	2012	2014	2005	2001	2007	3005	2009	2010	2011	2012	2013	2014	2015	2016	2017	2016	2819	2120
Water Produced	Parkeria		0.00	1001	II II	0.007	.0	1007	1001	1007	D 000	0	010	011	0	1012	D 0	5017	2010	1	2010	102	20,00
Saved			0	. 0	0	0	-0	0	0	0	0	. 0	. 0	0	0	0	0	0	- 1	- 4	- 6	- 6	-
Muracipal Water	1.00		0	0	0	0	. 0	. 0	. 0	0	0	0	0	0	0	0	0	0	- 1	- 1	- 5	- 5	20,038
Physical Longer (%)	1.00		0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	1.15	1.15	1.15	1.15	1.15
Physical Losses			0	0	0	0	0	0	0	0	0	.0	.0	0	0	0	0	0	- 1	- 1	1		3,001
Administrative/Wanagerial Losses (%)			0.21	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.65	0.65	0.03	0.03	0.05	1.05	1.03
Administrative/Managerial Losses			0	0	0	0	0		0	0	0	- 0	- 0	- 70	- 0	D	n	- 0	- 1	- 1	1		1,001
Quantity Delivered			0	0	0		0	0	0	0	0	D	0	D	D	D	n	D	- 1	- 1	- 6	- 3	17,001
Quantity Whose Bills are Collected			0		0	0		n	0	0	0	0	0	n	0	n	n	0	S	- 65	- 10	- 10	16,00
Infusical Water	0.00		0	0	0	0		. 0	0	0	0	0	0	n	0	0	0	0	- 0	- 0	- 3	9.5	10000
Physical Losses (%)	0.00		0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	8.15	8.13	0.15	1.15	1.15
Physical Lorent			0.07	0.0	0.00	0.21	0.01	0.00	0.19	0.10	0	0.10	0.10	0.12	0.12	0.32	0.12	0.12		5.00	1	1.07	
Administrative Wanagerial Lorent (%)			0.21	0.19	0.16	0.14	0.12	0.10	0.00	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.85	0.85	1.15	1.15	1.05	1.05	1.0
Administrative Wanagerial Looses			0.21	0.15	0.10	0.14	0.12	0.10	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.05	0.05	8.83	8.82	8.02	8.02	8.0
			0	0	0	0	0		0	0		0	0	0	0	0	0	0	8.0	87	- 33	- 33	- 33
Quantity Delivered			200	2007		100	10.50					10.00							100	- 1	100	100	95
Quantity Whose Bills are Collected			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	- 1	- 1	(i)	100	12
meater Water	0.00		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1				3.0
Physical Losses (%)			0.34	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.15	0.15	0.15	0.15	0.15	1.15	1.15	1.13	1.13	1.13
Physical Losces			0	0	0	0	0	. 0	0	0	0	. 0	.0	.0	.0	.0	. 0	.0			1	1	1
Administrative/Managerial Losset (%)			0.21	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.45	0.45	0.85	0.85	0.05	1.05	1.03
Administrative/Managerial Losses			. 0	- 0	- 0	- 0	. 0	- 0	.0	0	.0	0	0	D	D	D	D	D		1	- 1	- 1	
Quantity Delivered			0	0	0	0	- 0	- 0	- 0	0	0	- D	- D	0	0	D	0	D		- 1	- 1	- 1	
Quantity Whose Bills are Collected			0	0	. 0	. 0	.0	_0	_0	.0	0	.0	.0	. 0	. 0	0	0	. 0	- 34	- 54	- 1	- 1	
Financial Analysis (Thousand JD at 2000 P	ricest																						
Iten	Percent	Amoust	2110	2111	2112	2011	2094	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2119	2620
Costs	44000			V 47/2	- WE	CONTRACTOR	Secretary of	10.00	Sec. Co.	- 325	- 10					de la constante de la constant	Charles II	0.000	4244	1460	4400	**************************************	WYTHESE
Local Components	30%	3,556	. 0	. 0	0	. 0	. 0	. 0	. 0			- 1	- 1	- 10	- 10	- 10	. 0	- 0	.0	2,962	2,962	2.962	.0
Foreign Camponents	70%	30,735	Ð	Ð	0	0	0	. 0	0	- 1		1	1	0	0	0	0	0	0	6,912	6,912	6,912	.0
Duty & Taxes	0%	0	. 0	. 0	0	0	0	0	0	- 1	- 1	1	1	0	0	0	0	0	0	0	0	0	0
Total Capital Costs		29,621	0	0	. 0	0	. 0	- 0	- 0	- 1	- 1		- 1	.0	.0	.0	. 0	. 0	. 0	9,874	9,874	9,874	0
Carrelative Costs			D	D	D	D	D	D	D	1	1	- 1	1	0	0	0	0	0	0	8,874	18,747	29,621	29,621
O & M Cuer			0	0	0	0	0	0	0	- 1	- 1	- 1	. 1	0	0	0	0	0	0	0	.0	.0	2,438
Total Costs			0	0	0	0	0	0	0			. 1	1	0	0	0	0	0	0	9,874	9,274	9,874	2,432
Erycouci																							
Menicipal Usage Qty (Thossandm ²)			0	0	0	0	0	. 0	. 0	. 0	. 0	. 0	. 0	0	0	0	0	0		- 1			16,001
Municipal Taniff (JD/m ²)			0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.294	0.194	0.194	1.254	1.254	1.234	1.234	1.294	0.294	0.294
Municipal Revenues (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	.0	0		. 1	- 1	- 1	4,704
				0		a	0		0	0	0		n	n					100	100	162	162	10000
Industrial Usage Qty (Thousand m ²)			0	122477	0	1200000	1200	0	20000000	200000	0.0000000	0	4000000		0	0	U	.0		100			
Industrial Tariff (JD/m ⁸)			1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.100	1.100	1.110	1,110	1,034	1.034	1,001	1.001	1.001
Industrial Revenues (Thousand JD)			0	. 0	0	0	0	0	0	0	0	D	D	D	D	D	D	D	1	1	1	1	1
Imigation Urage Qty (Thrus and m ³)			0	0	0	0	0	0	0	0	n	0	0	n	D	n	n	D		1	- 1	- 1	- 1
					NO.	902500	00225	0.000	0.000	2000	0.000			2000	000000	300034	02207	10000	0.000	343255		0000	9000
Imigation Tantf (IDfm ²)			0.010	0.010	0.810	0.810	0.810	1.110	1.110	1.011	0.011	1011	0.013	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Irrigation Revenues (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	п	D	D	L L	0			1	-	1
Total Revenues (Thousand JD)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	.0	0		1	- 1	- 1	4,704
(et Cash Flow (Thousand JD)				71	п	n	n	10	10	10	n	n		n	0	n	1.0	n	- 1	-9,874	-9,834	-9374	2,201
			0.00000				0.0000000000000000000000000000000000000		333333			100 CO CO CO MAG			1.44102	14(410	0.38113		0.04004				0.26641
Discounting (DR=6.9%)			0.93897	0.88166	0.82785	0.77732	0.72988	0.68533	0.64351	0.60423	0.56735	0.53273	1.51021	1.41968	0	0 0	0.38983	0.36510	0.34281	0.32189	0.30224	0.28381	16,001
lotal Qty Whose Bills are Collected (T m²)			u	u	u	u	u	u	u	.0		0	U	D.	D.	u	· ·	u	100	- 2	0.5	6.5	10,001
FIRE.	10%																						
KPV (Thousand JD)	2,411		0	0	0	0	0		. 0	0	0	0	0	D	0	0	0	0	1	-3,178	-2,984	2,802	634
PV of Total Costs Thousand JD)	14,606		0	0	0	0	0	0	0	0	0	. 0	. 0	D	D	D	D	D	1	3,179	2,984	2,932	651
· ()			77.5		0.51	(0)(0)	0.80	0.5	000	0.5	0.5	1770	17500		10700			10.5					
DU of Total Bills Callacted Otts (Text)						- 0	- 0.0				100	, D:	. D	. p-	. p-	. 0	. 0	. 0					
PV of Total Bills Cullected Qty (T m²) Unit Water Price (Filoita²)	57,879 252		0	0	0	0	0	0	.0	0	0	D	D	D	D	0	0	0	1	1	1	- 1	4,264