Supporting Report for Chapter 4 "Municipal Water Network Rehabilitation"

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Annex to 4.6.3 Financial Statements	SB4-15

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Rem	Allocation	Water Qty	2014	2115	2150	2887	2006	2009	2010	2011	2012	2013	2014	2015	2018	2017	2019	281.5	2926
Water Produced		D	. 0	0	0	.0.	11	a	100	1		D	D.	, D	D	D	0	.0	
Saved		256,200	0	41,400	184,187	260,027	117,230	235,912	256,201	256,211	256,288	256,210	256,200	256,200	256,200	256,200	256,200	256,200	256,200
Municipal Water	1.00	256,200	0	42,400	184,187	280,027	217,230	235,912	256,201	256,211	256,288	256,210	256,200	256,200	256,200	256,200	256,200	256,200	256,200
Physical Losses (%)			0.00	0.00	0.00	0.00	1.00	1.00	0.01	1.11	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phytical Losses			0	0	0	0	0	0	1	1	1	D	0	D	0	0	0	0	
Administrative/Managerial Lances (%)			0.12	0.10	0.09	0.08	1.07	1.06	1.05	1.15	0.15	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Administrative/Managerial Leaves			.0	4,240	16,577	16,002	15,206	14,155	12,811	12,811	12,818	12,810	12,010	12,810	12,810	12,810	12,810	12,810	12,810
Quantity Delivered			.0	42,400	184,187	260,027	117,230	235,912	256,201	256,211	256,211	256,210	256,200	256,200	256,200	251,200	256,200	256,200	256,200
Quantity Whose Bills are Collected			0	31,160	1.67,610	184,025	202,034	221,757	243,391	243,391	243,398	243,390	343,390	243,390	243,390	243,390	243,390	242,390	243,390
Industrial Water	0.00	0	0	0	.0	0	σ	0	1	1	- 1	D	D	0	0	0	0	0	.0
Physical League (%)			0.00	0.00	0.00	0.00	1.00	0.00	0.01	1.11	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	8.00
Physical Learn			0	0	0		0	0		1	1	0	0		0	. 0	0	0	0
Ariministrative/Managerial Lusses (%)			0.12	0.10	0.09	0.03	3.07	1.06	0.05	8.15	0.85	0.85	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Administrative/Managerial Lesses			.0	0	0	0	0	0	1	1	1	. 0	0	D	D	0	0	0	.0
Quantity Delivered			- 0	. 0	0	0	0	0	1	1	1	0	.0	.0	0	0	0	0	- 0
Quantity Whose Bills are Callected			.0	0	0	a	0	0	100	1	- 1	0	.0	D	0	0	0	0	. 0
Impatas Water	0.00	0	.0	0	0	.0	a	0	1	1	- 1	.0	D	0	0	0	0.	0	.0
Physical Losses (%)			0.00	0.00	0.00	0.00	9.00	9:00	6.01	1.33	0.88	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Physical Losses			0	0	0	0	0	0	1	1		D	0	D	0	0	0	0	0
Administrative/Managerial Legent (%)			0.12	0.10	0.09	13 000	1.07	1.06	0.05	1.15	0.11	0.85	0.08	0.05	0.05	0.05	0.05	0.05	0.05
Administrative/Managerial Learns			0	0	0	0	a	0	100	1	- 1	0	0	D	0	0	0	0	0
Quantity Delivered			0	0	0	0	0	0	1	1	- 1	0	0	D	0	0	0	0	0
Quantity Whose Bills are Callected			.0	0	0	0	0	0	15	- 1		. 0	D	0	0	0	0	0	. 0
Financial Analysis (JD at 2001 Prices)																			
hem	Percent	Amount	2014	2115	2116	2017	2108	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2115	2326
Costs	1000	100000	******	418.704															
Local Components	100%	1,051,491	421,196	631,295	0	0	0	0.1	20	105.0	- 05	.0	. 0	0	0	0	0	0	- 0
Foreign Components Duty & Taxes	094	0	0	0	.0	0	0	0.0	53		100	0	0	0	0	0	0.	0	- 8
Disty & Table	.0%	1 000 100	440.407	2000000		u	ш.:	u.			2.5		- 0	п	U	U.	u.	TI.	u

hem	Percent	Amount	2014	2115	2116	2117	2808	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2815	2026
Costs			95.0	1000	CANAD:		1)00000000	10(44,77)	200000	100000	570.00		57815)		40400	82000	5005074	555500	(* 77.7 C
Local Components	100%	1,051,491	421,196	631,295	0	0	01:	0.0	100	2.1	2.4	9.0	:10	0	0	0	0	0	
Poreign Components	0%	.0	.0	.0	0	0	0	0	10	1	- 1	0	0	.0	D	0	0	0	- (
Duty & Taxes	.0%	ū	.0	0	.0	a	0	0.2	1	1	1	. 0	.0	D	0	0	0	0	- 31
Total Capital Costs		1,051,491	423,196	611,295	0	0	0	0	1.5	1	- 1	0	0	D	0	0	0	0	0.0
Cumulative Costs			421.196	1,858,491	1,858,491	1,850,491	1.050,491	1.050,491	L050,491	LDS0,491	1.050,491	1.050,451	1.050,491	1.050.491	1.050,491	1.051,491	1,051,491	1,858,491	1.151.49
C & M Costs			. 0	1,038	4.152	4.152	4,152	4,152	4,151	4,152	4,152	4,152	4,152	4,152	4,152	4.152	4.152	4,152	4.15
Total Costs			421,196	131,333	4.152	4,152	4.152	4.152	4.152	4.132	4,132	4152	4,152	4.152	4.152	4.152	4,152	4.152	4.157
Revenues																			
Municipal Urage Qty int ²)			.0	31,160	1.67,610	184,025	202,024	221,757	243,391	243,398	243,391	243,390	243,390	243,390	343,390	241,390	343,390	241,390	241,390
Mankeral Tenff (ID/nc)			0.294	0.303	0.312	0.321	0.331	1.341	1.351	8.351	1.353	0.351	0.353	0.351	0.351	0.351	0.351	0.351	0.351
Municipal Revenues (JD)				11,556	52,378	59,120	65,230	75,581	35,441	81,442	15,442	15,442	85,442	85,442	25,442	85/442	25,441	25,442	35,443
Industrial Usage Qty (m ³)			97	0	0	0	0	0	0	0	0	0.	0	0	T.	10	63	0	
Industrial Tariff (JD/62)			1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.011	1.333	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Industrial Revenues (JD)			1	D	D	0	0	0	0	0	0	0	0	0	1	1	1	0	
Imagation Usage Qby (m ³)			- 1	0	D	0	0	0	0	0	0	a	a	a	1			0	
Impetion Tariff (JD/m²)			1.11.1	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.011	1.013	1.101	0.010	0.010
Imigation Reveaues (ID)			- 1	D	D	0	0	0	0	0	0	.0	0	0	1	1	1	0	
Total Revenues (JD)			3.5	11,556	52,278	59,120	66,850	75,581	35,442	15,442	15,442	15,442	85,442	85,443	ES ₄ 442	85,442	25,441	25,442	25,442
Net Cash Ring (ID)			-420,196	-619,317	48,126	54,968	62,698	71,429	81,291	81,298	81,298	81,250	81,290	81,290	81,290	31,290	11,290	11,290	\$1,290
Discouring (DR=5%)			0.95238	0.90703	0.86384	0.82270	0.78353	0.74622	0.71061	0.67614	1.64461	0.61351	1.51468	0.55684	0.53032	0.50507	0.48102	0.45811	0.43630
Total Qty Whore Bills are Collected (m²)				31,160	147,610	184,025	202,024	221,757	245,391	245,391	245,398	243,398	243,390	243,390	243,390	243,390	243,590	343,390	343.590
FIRR.	5.4%																		
NPV (ID)	45,008		411,187	-582,156	41,573	45,223	49,125	53,301	57,772	55,021	52,411	49,985	47,529	45,266	43,110	4L057	39,102	37,240	35,467
PV of Total Casts (ID)	1.027.970		411,187	572,637	1,587	3.416	3,253	3,098	2,951	2,81.8	2,676	2,549	2,428	2,312	2.202	2,097	1,997	1,902	1.813
PV of Total Bills Collected Div (m ^b)	3,104,381		0	34,513	144,788	151,398	158,291	165,478	172,971	164,731	156,191	149,420	142,105	125,529	129,075	122,928	117,075	111,500	186,190
Unit Water Price (File/m ²)	331		17.0		00000000		diameter.	5-99.00%		V. 44.04				-	4-135150	22.05.55	4-14-15		

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ltem	Ferrent.	Amount	2014	2015	2106	2117	2808	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	211.5	2328
Come	21000000	-0223727002	0.007	1000011	100	1000000	1,000 pc 100 t	10,000	77.2717	-0.00	27772	2000-00	10.20-03	2000000	40000	0.000	00000	27272	17-772
Local Custs		1,015,195	486,078	: 995,117	0	0	0.0	0.0	100	2.17	234	9.0	:10	0.	0	0	0.1	0	
Pareign Costs		D	0	.0	0	а	п	a .	1	1		D	TI.	D	D	D.	0	0	
Duty & Taxes		0	0	. 0	0	0.	0	0	1.5	1	- 1	.0	.0	.0	0	0::	0	0	
Total Capital Costs		1,015,195	486,078	685,117	0	0	a	0	1.5	1	- 1	0	0	0	0	0	0	0	- 0
Cumulative Costs			486,078	1,315,195	1,015,195	1,015,195	1,815,195	1.015,195	1,015,195	1,015,195	1,015,195	1,015,195	1.015,195	1,015,195	1,015,195	1,015,195	1,015,195	1,115,195	1,035,193
□ & M Costs			0	1,058	4.152	4.152	4,152	4,152	4,152	4,152	4,152	4,132	4,152	4.152	4,152	4.152	4,152	4,152	4.15
Total Costs			485,078	618,155	4,152	4,152	4,152	4,152	4,152	4,152	4,152	4,152	4,152	4,152	4,152	4,152	4,152	4,152	4,152
Pencilis																			
Municipal Urage Cty (ni ²)			.0	42,400	184,187	200,027	217,230	235,912	256,201	256,218	256,211	256,280	256,200	256,200	256,200	256,200	256,200	256,200	256,200
Unit Benefits of Municipal Water (JD/m²)			0.735	0.735	0.735	0.735	0.735	1.735	1.735	1.775	6,733	0.775	0.735	0.735	0.735	0.735	0.755	0.735	0.735
Municipal Benefitz (JD)			0	31,164	135,378	147,020	159,664	173,395	188,307	188,317	188,117	128,987	188,307	188,307	133,307	181,307	188,307	138,307	111,307
Industrial Usage Qty (m ²)			0	.0	0	0	0	0	10	100	10	0	0	D	0	0	0	0	
Unit Benefits of Industrial Water (JD/m²)			2.740	2.740	2.740	2.740	2.740	2.740	2.741	2.741	2,748	2.740	2.740	2.740	2.740	2.740	2.740	2.740	2.740
Industrial Benefits (JD)			0	0	0	0	σ	0	1.	1	1	0	D	D	0	D	0	0	
Imagation Usuage Qby (m ²)			0	0	0	0	0	0	1	1		D	0	0	0	0	0	6	
Unit Benefits of Irrigation Water (JD/m ²)			0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	1.231	1.213	8.263	0.283	0.283
Imigation Beautits (ID)			0	0	0	0	0	0	1	1		0	D	D	0	0	0	0	
Total Benefitz (JD)			0	31,164	1.15,378	147,020	159,664	173,395	188,307	188,317	188,317	188,387	188,307	188,397	183,307	181,307	111,307	111,307	111,307
Net Cash Haw (JD)			.406,078	-5T8,990	131,226	142,868	355,512	169,243	184,155	184,155	184,155	184,155	184,155	184,155	184,155	[84,155	134,155	1.84,155	184,155
Discouring (DR=18%)			0.90909	0.83645	0.75131	0.68301	0.62092	0.56447	0.51318	0.46651	1.4241.0	1.31554	1.35149	0.31863	0.28966	0.26333	0.23939	0.21763	0.19784
Total Qty Delivered (m²)			.0	42,400	184,187	210,027	217,230	235.912	250,201	256,211	256,211	256,200	256,200	250,200	250,200	251,200	259,200	254,200	256,200
EIRR	15.7%																		
NPV (JD)	464,017		369,162	-471,504	91,592	97,581	96,561	95,533	94,501	85,911	78,110	71,000	64,545	58,677	53,343	41,494	44,085	48,077	36,434
PV of Total Costs (ID)	905,118		369,162	584,260	2.119	2,836	2,578	2,344	2.131	1,977	1,761	1,661	1,455	1,323	1,203	1,093	994	904	82
PV of Total Qty Delivered (m ³)	1,362,770		0	15,042	131,583	336,621	134,883	133,166	131,471	119,513	103,854	98,776	39, 197	81,633	39,212	47,465	11,557	55,757	58,600
Unit Water Price (File/m ⁹)	486																		

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Table 4.5.2-5 Financial Economic Analysis of Ma'an Water Networks Rehabilitation Project

Jtem .	Allocation	Water Qty	2014	2115	2000	2117	2006	2009	2010	2011	2012	2013	2014	2015	2018	2017	201.9	2915	2926
Water Produced			. 0		0	0.	11	a a	100	1	- 3	D	D.	D	D	D	0	0	
Sared		331,100	0	131,483	278,713	280,976	103,770	317,146	331,101	331,111	331,186	331,140	331,100	331,100	331,100	331,100	331,100	111,100	331,100
Municipal Water	1.00	331,100	. 0	133,483	278,713	250,976	203,779	317,146	331,101	331,111	331,188	331,160	331,100	331,100	331,100	331,100	331,100	331,100	331,100
Physical Losses (%)			0.00	0.00	0.00	0.00	1.00	1.00	1.01	1.11	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Physical Losses			0	0	0	0	0	0	1	1	- 1	D	D	D	0	0	0	0	1
Administrative/Managenal Lenner (%)			0.12	0.10	0.09	0.08	1.07	1.06	1.05	1.15	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Administrative/Managerial Leaves			.0	15,348	25,084	13,278	21,265	19,029	15,555	16,555	16,555	16,555	16,555	16,555	16,555	14,555	16,555	16,555	16,555
Quantity Delivered			.0	111,481	270,713	290,976	303,779	317,146	331,101	331,110	331,188	331,180	331,100	331,100	331,100	331,100	331,100	311,100	333,100
Quantity Whose Bills are Callected			0	121,135	253,629	267,698	282,515	298,117	314,545	314,545	314,545	314,545	314,545	314,545	314,545	314,545	314,545	314,545	314,545
Industrial Water	0.00	0	0	0	.0	0	σ	0	1	1	- 1	D	D	0	0	0	0	0	
Physical League (%)			0.00	0.00	0.00	0.00	1.00	1.00	0.01	LH	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Physical Lourn			. 0	0	0	0	0	0		1		0	0	D	0	0	0	0	
Ariministrative/Managerial Lusses (%)			0.12	0.10	0.09	0.03	3.07	1.06	0.05	8.15	0.85	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Administrative/Managerial Lesses			.0	0	0	0	0	0	1		1	.0	0	.0	. 0	0	0	0	
Quantity Delivered			.0	- 0	0	0	0	0	1	1		.0	.0	.0	0	0	0	0	- 1
Quantity Whose Bills are Collected			.0	0	0	0	0	0	100	1	- 3	0	0	D	0	0	0.	0	2.0
lmgatas Water	0.00	0	.0	0	0	0	0	0	1	1	- 1	.0	D	0	0	D	0.	0	
Physical Losses (%)			0.00	0.00	0.00	0.00	3.00	1:00	6.03	1.33	0.88	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Physical Losses			0	0	0	0	ū	0	1	1		D	D	D	D	0	0	0	- 1
Administrative/Managerial Laures (%)			0.12	0.10	0.03	13 1006	1.07	1.06	0.05	1.15	0.00	0.85	0.08	0.05	0.05	0.05	0.05	0.05	0.0
Administrative/Managerial Legres			0	0	0	0	a	0	1	1	- 1	0	0	0	0	0	0	0	0.0
Quantity Delivered			0	0	0	0	0	0	1	1		0	0	D	0	0	0	0	1
Quantity Whose Bills are Callected			.0	0	0	0	0	0	1.5	1	- 1	0	D	0	0	0	0	0	- 1

ltem	Percent	Amount	2014	2115	2116	2007	2008	1009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2115	2326
Costs																			
Local Components	100%	951,416	479,208	479,200	0	9	0	0	100	1	2.4	.0	D	.0	D	0	0	0	. 0
Foreign Components	0%	- 0	.0	.0	.0	0	0	0	100	1	0.0	.0	D	D	0	.0	0	0	. 0
Duty & Tazer	.0%	ū	.0	0	.0	a	0.:	0	1	1	- 1	_ D	D	D	0	0	0	Ü .	- 0
Total Capital Costs		952,416	476,208	474,208	0	0	a	0	E	1	- 1	0	0	D	0	0	0	0	
Cumulative Costs			476,208	952,416	952,416	952,416	552,416	952,416	952,414	952,416	952,41.6	952,416	952,416	952,416	952,416	952,416	952,416	952,416	952,416
O & M Costs			0	5,382	18,764	10,764	10,764	10,764	10,784	10,764	10,764	10,764	10,764	10,764	10,764	11,764	1.1,764	110,764	11,764
Total Costs			471,208	491,590	10,764	10,364	10.764	10.764	10,784	10,794	10,794	10,764	10,764	10,764	10.764	11,764	1.11.764	11.764	18,764
Revenues																			
Municipal Urage Qty (nt ²)			.0	121,135	253,629	167,698	282,515	298,117	314,545	314,545	314,545	314,545	314,545	314,545	314,545	314,545	314,545	314,545	314,545
Manicipal Tenff (JD/n2)			0.294	0.309	0.324	0.340	0.357	1.375	1.394	1394	1.394	0.354	0.394	0.394	0.394	0.394	0.394	0.394	0.394
Municipal Revenuer (JD)				57,886	82,210	91,109	100,959	111,861	121,927	131,927	131,927	123,927	123,927	123,927	125,927	125,927	125,927	123,837	123,827
Industrial Usage Oty (m ³)			17	0	0	0	0	0	0	0	0	0	0	0	72	10	63	0	0
Industrial Tariff (JD/es ³)			1.000	1.000	1.000	1.000	1.000	1.000	1.001	1.011	1.111	1.100	1.000	1.000	1.000	1.000	1.900	1.000	1.000
Industrial Revenues (3D)				D	D	.0	0	0	0	0	0	0	0	0	1	1	1	D	0
Imagazion Unage Qby (m ³)				0	0	0	0	. 0	0	0	0	a	0	0	1		- 1	0	D
Impation Tariff (JD/m²)			1.11.1	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	1.013	1.11.1	0.810	0.110
Imigation Revenues (ID)			1	D	D	.0	0	0	0	0	0	0	0	0	1	1	1	0	.0
Total Revenues (JD)			31	87,926	82,210	91,109	100,959	111,861	123,927	121,927	121,927	113,927	123,927	123,927	123,927	123,927	123,927	123,927	123,827
Net Cash Fling (FD)			-476,208	-444,504	71,446	80.345	90.195	101.097	113,163	113,101	113,110	113,133	113,163	113.163	113.163	111.163	[13,163	113,163	111.163
Discouning (DR=5%)			0.95238	0.90703	0.86384	0.62270	0.78353	0.74622	0.71061	0.67614	1.64461	1.61.351	1.51468	0.55684	0.53032	0.50507	0.48102	0.45811	0.43630
Total Qty Whore Bills are Collected (m²)				121,135	253,629	267,698	282,515	25%,11.7	314,545	314,545	314,345	314,345	314,345	314,545	314.545	314.545	314,545	314,543	314,545
FIRE	9.8%																		
NPV (JD)	556,247		453,531	413,179	(1,718	16,100	70,670	75,440	80,423	76,593	72,946	69,472	66,164	63.013	60,013	57,155	54,433	51,841	45,373
PV of Total Casts (ID)	1,033,312		451,531	436,816	5,298	8,856	8,434	8,032	7,651	7,215	6,939	6,618	6,293	5,994	5,700	5,437	5,178	4,931	4,696
PV of Total Bills Collected Div (m)	4,158,129		n	1.02,906	215,094	220,236	221,358	222,459	223,941	212,898	202,755	193,183	183,908	175,150	105,810	158,887	151,303	144,097	LITZIS
Urat Water Price (File/m ²)	249		1.3	1.00				4400			0.204000			1,34,55		500000			

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Item	Percent.	Amount	2014	2015	2106	2117	2808	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	211.5	2326
Cons	2100-0-01-	-0.000	0307-	1707/1		11014000	1,000,000,000	100000000	970000		2000	7.7	100000		45400	8.65.00	0.000	500000	10.775
Local Custs		921,415	411,207	468,307	0	0	01:	0.3	100	2.1	234	9.0	:10	0	0	0	0	0	. 0
Pareign Code		D	0	.0	0	a	п	a	1.5	1		D	D	D	.0	D.	0	0	0
Duty & Tanco		0	. 0	. 0	0	0	0	0.	1.0	1	- 1	.0	0	.0	0	0::	0	0	. 0
Total Capital Costs		921,415	468,207	468,207	0	0	0	0	100	1	- 1	0	0	0	0	0	0	0	. 0
Cumulative Costs			483,207	928,415	920,415	920,415	920,415	920,415	920,415	920,415	920,415	920,415	920,415	920,415	920,415	921,415	921,415	928,415	928,415
□ & M Costs			0	5,382	18,764	10,764	10,764	10,764	10,764	10,794	10,764	10,764	10,764	10,764	10,764	11,764	11,764	1.1.764	11,764
Total Costs			461,207	465,589	18,764	10,764	10,764	10,764	10,364	10,764	10,764	10,784	10,764	10,764	10,764	11,764	11,764	11,764	18,764
Pencins																			
Municipal Urage Qty (nr)			.0	133,483	271,713	250,976	303,779	317,146	331,101	331,111	331,111	331,100	331,100	331,100	331,100	331,100	331,100	331,100	331,100
Unit Benefits of Municipal Water (JD/m²)			0.735	0.735	0.735	0.735	0.735	1.735	1.735	1.735	8,733	0.735	0.735	0.735	0.735	0.735	0.735	0.735	0.735
Municipal Benefitz (JD)			0	88,110	284,254	113,868	123,278	233,102	243,351	243,358	243,359	243,359	243,159	343,359	243,359	241,359	241,359	341,359	341,359
Industrial Usage Qty (m ²)			0	.0	0	0	0	0	10	1	2.3	0	0	D	0	0	0	0	0
Unit Benefits of Industrial Water (JD/nc*)			2.740	2.740	2.740	2.740	2.740	2.793	2.741	2.741	2,748	2.740	2.740	2.740	2.740	2.740	2.740	2.740	2.740
Industrial Benefits (JD)			0	0	0	0	σ	0	1.0	1	- 1	0	D	D	0	0	0	0	0
Imagazion Usago Qby (m²)			0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	. 0
Unit Benefits of Irrigation Water (JD/m²)			8.283	0.213	0.283	0.283	D.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	1.231	1.213	8.253	0.283	0.283
Imigation Beautits (ID)			0	0	0	0	0	0	1	3	1	D	D	0	0	0	0	0	0
Total Benefitz (JD)			0	31,110	284,854	213,868	123,278	233,102	243,353	243,359	243,355	243,359	243,159	243,359	243,359	241,359	241,359	241,359	341,399
Net Cash Flow (JD)			-460,207	-367,479	194,090	203,104	212,514	222,338	232,595	232,595	232,595	232,595	232,195	232,585	232,595	232,595	232,595	232,595	212,595
Discounting (DR=18%)			0.90909	0.82545	0.75131	0.68301	0.62092	0.56497	0.51318	0.49651	1.4241.8	1.31554	1.35149	0.31863	0.28966	0.26333	0.23939	0.21763	0.19784
Total Qty Delivered (m²)			.0	131,483	278,713	250,976	303,779	317,146	331,101	331,111	331,138	331,110	331,100	331,100	331,100	331,100	331,100	331,100	331,100
EIRR	23.2%																		
NPV (JD)	986,240		411,370	-3113,702	145,823	338,723	131,954	125,504	119,351	108,517	98,643	89,675	81,523	74,112	67,374	61,249	55,681	58,619	44,018
PV of Total Costs (ID)	885,328		413,370	384,785	8,087	7,352	6,684	6,076	5,524	5,021	4,595	4,150	3,773	3.430	3,315	2,834	2,577	2,343	2,130
PV of Total Qty Delivered (m ³)	2,546,352		0	114,317	205,401	188,741	188,623	179,020	169,907	154,441	140,413	127,653	116,849	105,499	95,908	87,139	78,255	72,057	65,506
Unit Water Price (File/m ⁹)	348																		

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Table 4.5.2-6 Financial Economic Analysis of 5 Water Networks Rehabilitation Projects Combined

item	Allocation	Water Qty	2014	2115	2000	2887	2806	2009	2010	2011	2012	2013	2014	2015	2018	2017	2019	2915	2926
Water Produced		. 0	0	0	0	.0.	11	0	10	1		D	ti ti	D	D	D	0		0
Sared		1,952,800	0	755,813	1,251,023	1,111,071	1,762,784	1,855,054	1,952,801	1,952,311	1,952,818	1,952,880	1,952,100	1,952,800	1,952,800	1,952,800	1,952,800	1,952,800	1,952,800
Municipal Water	1.00	1,952,800	0	759,813	1,251,023	1,111,071	1,762,784	1,855,054	1,952,801	1,952,811	1,952,110	1,952,860	1,952,100	1.952,800	1,952,800	1,952,800	1,952,800	1,952,800	1,912,800
Physical Looses (%)			0.00	0.00	0.00	0.00	1.00	9.00	1.01	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Physical Losses			0	0	0	0	0	0	1.	1	- 1	D	D	D	0	D	0	0	
Administrative/Managerial Lances (%)			0.12	0.10	0.09	0.08	1.07	1.06	1.05	1.15	0.15	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Administrative/Managerial Leaves			.0	75,981	1.12,592	184,886	123,395	111,303	97,641	97,641	97,648	97,640	97,640	97,640	97,640	97,640	97,640	37,640	97,640
Quantity Delivered			.0	755,813	1,251,023	1,311,071	1,762,784	1,855,054	1,952,801	1,952,811	1,952,111	1,952,810	1,952,100	1,952,880	1,952,800	1,952,800	1,952,800	1,952,800	1,952,800
Quantity Whose Bills are Collected			0	883,832	1,131,431	1,216,185	1,639,389	1.743,751	1,855,169	1,855,188	1,855,148	1,855,140	1,855,160	1.855,160	1,855,160	1,855,160	1,355,160	1,855,160	1,155,160
Informal Water	0.00	0	0	0	.0	0	σ	0	1	1	1	0	D	0	0	0	0	.0	
Physical Learner (%C)			0.00	0.00	0.00	0.00	1.00	1.00	0.01	1.11	0.10	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Physical Lours			0	0	0	0	0	0	1.0	1	- 1	0	0	D	. 0	. 0	0	0	
Arinoinistrative/Managerial Lusses (%)			0.12	0.10	0.09	0.03	3.07	1.06	0.05	1.15	0.85	0.85	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Asincinistrative/Managerial Lesses			.0	0	0	0	0	0	1	1	1	0	0	0	D	0	0	0	. (
Quantity Delivered			- 0	. 0	0	0	0	0	1	1	1	0	.0	. 0	0	0	0	0	- 1
Quantity Whose Bills are Collected			.0	0	0	0	0	0	100	1	- 1	0	0	0	0	0	0	0	
magains Water	0.00	0	.0	0	0	0	a	0	15	1	1	0	D	0	0	0	0.	0	
Physical Losses (%)			0.00	0.00	0.00	0.00	9.00	9:00	8.01	1.11	0.86	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Physical Losses			0	0	0	0	ū	0	1	1		0	0	0	D	0	0	0	· ·
Administrative/Managerial Lauren (%)			0.12	0.10	0.09	13 000	1.07	1.08	0.05	1.15	0.05	0.85	0.08	0.05	0.05	0.05	0.05	0.05	0.05
Administrative/Munagerial Leaves			0	0	0	0	0	0	1	1		0	0	0	0	0	0	0	0
Quantity Delivered			0	0	0	0	0	0	100	1	- 1	0	0	D	D	0	0	0	
Quantity Whose Bills are Ciffected			.0	0	0	0	σ	0	1.7	1	1	0	D	D	D	D	0	0	

hem	Percent	Amount	2014	2115	2166	2117	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2115	2926
Corps	100000000000000000000000000000000000000		0.55	1770		1101-1101			200000	0.000	97700		578757		200000	8.00	77.70		14.775
Local Components	94%	7.351.879	2,614,495	2,547,005	1,194,690	1,194,690	0.5	0.3	100	0.17	2.6	9.0	-10	.0	0	0.5	0.0	0	
Foreign Components	574	494,640	141,510	11.7710	117,710	117.710	n	a	10	1	- 1	n	n	D	n	0	0	0	. 0
Duty & Taxes	0%	0	0	0	.0	0	0	0	1	1	1	- B	0	D	0	0	0	0	- 0
Total Capital Costs		7.845.519	2,756,005	2,664,715	1,212,400	1,212,400	0	0	1	1	- 1	0	0	0	0	0	0	0	0
Canadative Costs			2,756,005	5,421,720	6,672,119	7,845,519	7.845,519	7.845,519	7.845,519	7.845,519	7.845,515	T.845,519	7.845,519	7.845,519	7.845,519	7.845.519	7.845,519	7,145,519	3,845,519
C & M Costs			0	11,522	21,157	21,157	71,032	71,032	71,032	71,032	71,932	71,112	71,032	71,032	71,032	71,032	71,032	71,032	T1,032
Total Costs			2,751,005	2,171,257	1,221,557.	1,215,557	71.032	71,032	71,031	71,032	71,832	71,102	71.138	71.038	21,038	71,052	71,032	71.052	TL032
Revenues																			
Municipal Urage Qty int ²)			.0	#81,832	1,131,431	1,206,185	1.439,389	L743,751	1,855,161	L855,168	1,855,188	1,855,140	1,855,160	1,855,160	1,855,160	1,855,160	1,855,160	1,855,160	1,055,160
Manica of Tentf ((D/m²)			0.320	0.330	0.339	0.350	0.360	1.371	1.332	1.312	1.312	0.382	0.362	0.382	0.382	0.362	0.382	0.382	0.382
Municipal Revenues (JD)			1	225,351	586,484	421,770	590,447	641,875	201,851	788,851	783,851	788,851	TER,351	708,851	705,851	708,851	300,811	700,111	708,851
Industrial Usage Oty (m ³)			10	0	0	0	0	0	0	0	0	0.	0	0	Y:	10	61	0	0
Industrial Tariff (ID/m²)			1.000	1.000	1.000	1.000	1.000	1.000	1.001	3.088	1.333	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Industrial Revenues (JD)				0	D	0	0	0	0	0	0	0	0	0	1	1	1	0	0
Imagazion Unage Qty (m ³)			- 1	0	D	0	0	0	0	0	0	o o	a	a	1		1	0	D
Impetion Teriff (JD/m²)			1.00	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	1.011	1.013	1.101	0.810	0.110
Imigation Reveaues (ID)			- 1	D	D	0	0	0	0	0	0	0	0	0	1	1	- 1	0	.0
Total Revenues (JD)			31	225,381	386,484	421,770	590,447	646,875	701,851	783,851	711,851	788,851	708,85t	708,851	708,851	708,851	708,851	708,851	708,851
Net Cash Flaw (JD)			-2,756,005	-2,450,846	-847,073	-811,787	119,415	575,843	637,819	637,819	637,819	637,819	637,819	637,819	637,819	637,819	637,819	637,819	177,819
Discouring (DR=5%)			0.95238	0.90703	0.86384	0.62270	0.78353	0.74622	0.71061	0.67694	1.64461	0.61351	1.51468	0.55684	0.53032	0.50507	0.48102	0.45811	0.43630
Total Qty Whore Bills are Collected (m²)			.0	181,832	1,138,431	1,216,185	1.639,389	1,745,751	1,855,161	1.855,111	1,855,188	1,855,140	1,855,160	1,855,160	1,855,160	1,855,160	1,855,150	1,855,160	1,855,160
FIRE	6.3%																		
NPV OD)	1,009,217		-2,634,767	-2,222,989	-731,733	-617,859	406,975	429,703	453,281	431,791	#11,044	391,565	372,919	355,161	338,249	322,142	316,802	292,192	275,278
PV of Total Costs (ID)	7,956,260		2,634,767	2,477,436	1,865,593	1,014,850	55,655	53,005	50,481	48,077	45,788	43,617	41,531	39,553	37,670	35,876	34,168	32,541	31,991
PV of Total Bills Collected Div (m ⁵)	23,854,616		0	828,256	981,420	552,332	1,284,504	1,301,214	1.318,421	1,255,645	1.195,033	1.138,987	1,034,674	1.033.023	983,831	931,962	892,364	\$45,870	185,400
Unit Water Price (File/m ²)	334																		

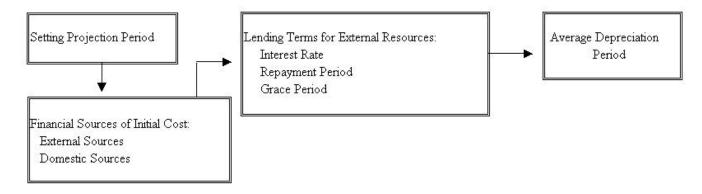
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Economic Analysis (JD at 2001 Prices)	Personal	Formation 1	5314	5554	1144	2117	2108	1009	2010	2011	2012	2013	NAT I	2015	2014	2017	Anna	2115	2000
ltem	Percent.	Amount	2014	21111	2111	2117	2808	2009	2010	2011	ZUIY	2013	2014	2013	2016	2017	2013	211.5	2328
Come																			
Local Custo		7,065,233	2,597,872	2,455,149	1,151,631	1,031,631	875	875	875	975	173	875	175	675	675	875	875	875	875
Pareign Costs		494,640	141,510	11.2,710	137,510	113,210	п	a	500	1		D	D	D	0	D	0	0	0
Duty & Taxes		0	- 0	.0	0	0	0	0	1	1	- 1	.0	0	D	0	0	0	0	. 0
Total Capital Costs		7,559,873	2,649,382	2,972,859	1,135,341	1,169,341	875	875	875	875	875	875	175	0	0	0	0	0	
Cumulative Costs			2,649,382	5,222,241	6,391,582	7,560,923	7,561,798	7,562,673	7,563,541	7,564,423	7,565,291	7,566,173	7,567,848	7,567,048	7,567,048	7,567,048	7,567,048	7,517,048	7,567,048
O & M Costs			. 0	11,522	21,157	21,157	71,032	71,032	71,032	71,032	71,002	71,132	71,132	71,032	71,032	71,032	71,032	71,032	T1,032
Total Costs			2,641,322	2,514,381	1,151,498	1,150,498	71,907	71,907	71,907	71,987	21,887	71,887	71,807	71,032	71,032	71,032	71,032	71,032	71,032
Renells																			
Manacipal Urage Qty (m²)			.0	759,813	1,251,023	1,711,071	1,762,784	1,855,054	1,952,808	1,952,811	1,952,010	1,952,100	1,952,900	1,952,800	1,952,800	1,952,800	1,952,800	1,952,800	1,912,800
Unit Benefits of Municipal Water (JD/m²)			0.735	0.735	0.735	0.735	0.735	1.735	1.735	1.735	1.735	0.775	0.735	0.735	0.735	0.755	0.735	0.735	0.735
Municipal Benefitz (JD)			0	558,463	\$18,502	163,637	1,395,646	1,363,465	1,435,301	1,435,311	1,435,388	1,435,318	1,435,308	1,435,308	1,435,308	1,435,308	1,435,308	1,435,308	1,435,308
Industrial Usage Qty (m ²)			0	0	0	0	0	0	10	1	1.0	0	D	D	0	0	0	0	0
Unit Benefits of Industrial Water (JD/m²)			2.740	2.740	2.740	2.740	2.740	2.740	2.741	2.748	2,748	2.740	2.740	2.740	2.740	2.740	2.740	2.740	2.740
Industrial Benefits (JD)			- 0	0	0	0	σ	0	1	1	1	0	D	D	0	0	0	0	0
Imagation Usage Qty (m ³)			0	0	0	0	a	a	1	1	1	0	0	0	0	. 0	0	0	0
Unit Benefits of Impation Water (JD/m ²)			8.283	0.213	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	0.283	1.231	1.211	8.283	0.283	0.283
Imigation Bourfits (ID)			0	0	0	0	0	0	1	1	1	.0	D	0	0	0	0	0	0
Total Benefitz (JD)			.0	551,463	\$15,502	563,637	1,195,646	1,363,465	1,435,301	1,435,311	1,435,311	1,435,318	1,435,308	1,435,308	1,435,308	1,435,308	1,435,308	1,435,308	1,435,308
Net Cash Fliny (JD)			-2,649,382	-2,025,918	-270,996	-726,861	1,123,739	1,291,558	1,363,401	1,363,411	1,363,411	1,363,481	1,363,401	1,364,276	1,364,276	1,364,276	1,364,276	1,394,276	1,364,276
Discouring (DR=LR4)			0.90909	0.82645	0.75131	0.68301	0.62092	0.56447	0.51318	0.46651	1.4241.0	1.31554	1.35149	0.31863	0.28966	0.26333	0.23939	0.21763	0.19784
Total Qty Delivered (m²)			.0	755,615	1,251,025	1.131.071	1,762,784	1,855,054	1.958,801	1.952,811	1,952,111	1.952,000	1.952,000	1.952,800	1,952,800	1,952,800	1,952,800	1,952,800	1,952,800
EIRR	17.2%																		
NPV (JD)	3.886.581		-2,411,529	-1,674,312	-2113,603	-154,949	T59,846	729,051	699,641	636,017	578,215	525,650	477,164	434,700	395,182	359,257	326,597	296,906	265,915
PV of Total Costs (ID)	6,695,236		2,411,529	2,135,852	854,439	113,126	44,649	40,590	36,901	33,545	30,490	27,723	25,203	22,633	33,575	11,705	17,004	15,459	34,053
PV of Total Qty Delivered (m ³)	14,397,030		0	82T,945	938,912	155,479	1,894,550	1,047,130	1,000,095	910,998	825,178	752,989	639,444	622,222	565,657	514,255	417,465	434,996	316,351
Unit Water Price (File/m ²)	465		- 55	10.00	200	0.00		517.00	A A	20000	Classic St.	0.000.03	200,000	2000000	111 (111)	77.7	0.04000000	7.1971 7.177	

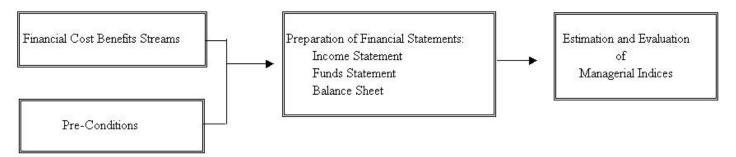
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ANNEX to 4.6.3 Financial Statements

1. Setting Pre-Conditions



2. Preparation and Evaluation of Projected Financial Statements



Methodology for Preparation of Financial Statements for Municipal Water Network Rehabilitation Project