

Municipali Taffuh Municipality:
 Class: Infrastructure
 Category: Water Systems

بلدية تافوح
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 البنية التحتية
 أنظمة المياه

Asset Group	Asset Subgroup	Asset Type	Asset location	Unit	quantity	Year of Valuation	Year of Acquisition	Age of Asset	Acquisition Cost (NIS)/unit	Replacement Unit Cost (NIS)	factor *	New Replacement Unit Cost (NIS)	Asset Replacement Cost (NIS)	Range of Useful Life	Normal Asset of Useful Life	Expected Useful Life	New Useful Life	Remaining age of asset	Yearly Dep.	Accumulated Depreciation (NIS) Through Asset Age	Asset Fair Value - NIS	Source of financing	Valuation Basis	Notes
Storage Tanks Reservoir	Storage Tanks	Main Reservoir (Q=300m ³ / on ground / concrete)	Al-Heora Area	CM	300	2011	1994	17	331	3,740	0.85	3,179	953,700	40-60	50	40	50	33	19,074	324,258	629,442		Straight line method	medium construction quality
	Total of Water Tanks												953,700							324,258	629,442			
Transmission mains	Pipes	Steel DIA 6", t 532"		lm	1,330	2011	2008	3	207	207 **	1	207	275,776	10-20	15	15	15	12	18,385	55,155	220,620	MDF	Straight line method	with colloidal concrete lining form inside / with layer of Polyethylene 1.5 mm thickness wrapping from outside
		Steel DIA 4", t 532"		lm	2,000	2011	1994	17		240 **	0.85	204	408,000	10-20	15	15	19	0	27,200	462,400	0		Straight line method	medium construction quality
	Total of Transmission Pipes												683,776							517,555	220,620			
Valves on Transmission	Gate Valves	2 DIA150mm + DIA100mm ,20bar		No	1	2011	2008	3	12,870	12,870 **	1	12,870	12,870	10-20	15	15	15	12	858	2,574	10,296		Straight line method	chamber of (2*2*1.5m)
		DIA150mm + DIA100mm + DIA 75 mm ,20bar		No	1	2011	2008	3	10,890	10,890 **	1	10,890	10,890	10-20	15	15	15	12	726	2,178	8,712		Straight line method	chamber of (2*2*1.5m)
		DIA150mm + DIA 75 mm 20bar + DIA 25mm washout		No	1	2011	2008	3	9,790	9,790 **	1	9,790	9,790	10-20	15	15	15	12	653	1,958	7,832		Straight line method	chamber of (2*2*1.5m)
		DIA100mm,16bar		No	2	2011	1994	17		7,080	0.85	6,018	12,036	10-20	15	15	19	0	802	13,641	0		Straight line method	chamber of (2*2*1.5m), medium construction quality
	Total of Valves on Transmission												45,586							20,351	26,840			
Pipes - Distribution	distribution pipes	Black Steel DIA 3", t 532"		Lm	1,200	2011	1994	17		200 **	0.85	170	204,000	10-20	15	15	19	0	13,600	231,200	0		Straight line method	medium construction quality
		Black Steel DIA 3", t 532"		Lm	3,000	2011	2004	7	128	200 **	1	220	660,000	10-20	15	15	15	8	44,000	308,000	352,000	OXFAM	Straight line method	with colloidal concrete lining form inside / with layer of Polyethylene 1.5 mm thickness wrapping from outside
		Galvanized Steel DIA 2", t 3.65mm		Lm	10,500	2011	1994	17		8 **	0.85	220	2,310,000	10-20	15		19	0	154,000	2,618,000	0		Straight line method	medium construction quality
		Galvanized Steel DIA 2", t 3.65mm		Lm	6,000	2011	2004	7	85	120 **	1	220	1,320,000	10-20	15	15	15	8	88,000	616,000	704,000	OXFAM	Straight line method	with colloidal concrete lining form inside / with layer of Polyethylene 1.5 mm thickness wrapping from outside.
		Galvanized Steel DIA 1", t 3.25mm		Lm	2,500	2011	1994	17		100 **	0.75	220	550,000	10-20	15	15	19	0	36,667	623,333	0		Straight line method	medium construction quality
		Galvanized Steel DIA (3/4)", t 3.25mm		Lm	500	2011	2004	7		84 **	0.85	220	110,000	10-20	15	15	15	8	7,333	51,333	58,667		Straight line method	executed by the municipality
		Galvanized Steel DIA (3/4)", t 3.25mm		Lm	700	2011	2008	3		84 **	0.85	220	154,000	10-20	15	15	15	12	10,267	30,800	123,200		Straight line method	executed by the municipality
distribution pipes	distribution pipes	Galvanized Steel DIA (1/2)", t 3.25mm		Lm	2,000	2011	2005	6		84 **	0.85	220	440,000	10-20	15	15	15	9	29,333	176,000	264,000		Straight line method	executed by the municipality
		Galvanized Steel DIA (1/2)", t 3.25mm		Lm	5,000	2011	2008	3		84 **	0.85	220	1,100,000	10-20	15	15	15	12	73,333	220,000	880,000		Straight line method	executed by the municipality
		Galvanized Steel DIA (1/2)", t 3.25mm		Lm	4,000	2011	1994	17		84 **	0.75	220	880,000	10-20	15	15	19	0	58,667	997,333	0		Straight line method	medium construction quality
	مواسير 1/2 انش	الرئيسي والفرعية	Lm	1000	2011	2010	1		84 **	0.75	29	29,000	10-20	15	15	15	14	1,933	1,933	27,067		Straight line method	medium construction quality	
	مواسير	الرئيسي والفرعية	Lm	200	2011	2010	1		84 **	0.75	23	4,600	10-20	15	15	15	14	307	307	4,293		Straight line method	medium construction quality	



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Pipes - Distribution	التبويب كوزيح	مواسير حديد عتق ٢	الرئيسي والقرية	Lm	240	2011	2010	1	84 **	0.75	31	7,440	10-20	15	15	15	14	496	496	6,944		Straight line method	medium construction quality		
		مواسير حديد ١	الرئيسي والقرية	Lm	300	2011	2010	1	84 **	0.75	16	4,800	10-20	15	15	15	14	320	320	4,480		Straight line method	medium construction quality		
		مواسير حديد ٣/٤	الرئيسي والقرية	Lm	300	2011	2010	1	84 **	0.75	9	2,700	10-20	15	15	15	14	180	180	2,520		Straight line method	medium construction quality		
		مواسير النش ربط	الرئيسي والقرية	Lm	25	2011	2009	2	84 **	1.75	15	375	10-20	15	15	15	13	25	50	325		Straight line method	medium construction quality		
		مواسير	الرئيسي والقرية	Lm	360	2011	2009	2	84 **	2.75	3	900	10-20	15	15	15	13	60	120	780		Straight line method	medium construction quality		
		مواسير	الرئيسي والقرية	Lm	92	2011	2009	2	84 **	3.75	2	184	10-20	15	15	15	13	12	25	159		Straight line method	medium construction quality		
	تعميدات ٢٠١١	مواسير وستك وجت ٨	الشارع الرئيسي	file.			2011	2010	1	84 **	3.75		509	10-20	15	15	15	14	34	34	475		Straight line method	medium construction quality	
		مواسير بالستيك تينك ٨	الشارع الرئيسي	file.			2011	2010	1	84 **	3.75		945	10-20	15	15	15	14	63	63	882		Straight line method	medium construction quality	
		قطع تعميدات حديد وبالستيك متنوعة	الشارع الرئيسي	file.			2011	2010	1	84 **	3.75		984	10-20	15	15	15	14	66	66	918		Straight line method	medium construction quality	
		قطع تعميدات حديد متنوعة	الشارع الرئيسي	file.			2011	2010	1	84 **	3.75		904	10-20	15	15	15	14	60	60	844		Straight line method	medium construction quality	
		قطع كوزج ومخاميس وسدادات	الشارع الرئيسي	file.			2011	2009	2	84 **	3.75		4,975	10-20	15	15	15	13	332	663	4,312		Straight line method	medium construction quality	
		مواسير حديد وقطع شد وصل وصل وتيل	الشارع الرئيسي	file.			2011	2009	2	84 **	3.75		8,666	10-20	15	15	15	13	578	1,155	7,511		Straight line method	medium construction quality	
		مواسير حديد متنوعة	الشارع الرئيسي	file.			2011	2009	2	84 **	3.75		9,825	10-20	15	15	15	13	655	1,310	8,515		Straight line method	medium construction quality	
		مواسير حديد ٢	الشارع الرئيسي	file.			2011	2009	2	84 **	3.75		4,080	10-20	15	15	15	13	272	544	3,536		Straight line method	medium construction quality	
		عدادات مياه ومخاميس وتوايح	الشارع الرئيسي	file.			2011	2009	2	84 **	3.75		9,078	10-20	15	15	15	13	605	1,210	7,868		Straight line method	medium construction quality	
		مواسير بالستيك ومناهل واغطية	الشارع الرئيسي	file.			2011	2009	2	84 **	3.75		5,760	10-20	15	15	15	13	384	768	4,992		Straight line method	medium construction quality	
		Total of Distribution Pipes												7,823,725							5,881,305	2,381,867			
		Gate Valves on Distribution	Gate Valves	2 DIA 75 mm,16bar		No	4	2011	2004		6,099	8,120 **	1	220	880	10-20	15	15	15	15	59	0	880		Straight line method
	DIA 75 mm,16bar				No	1	2011	2004		5,214	6,520	1	220	220	10-20	15	15	15	15	15	0	220		Straight line method	chamber of (1.8*1.6*2m)
	DIA50mm,20 bar				No	24	2011	2004		748	1,300 **	1	220	5,280	10-20	15	15	15	15	352	0	5,280		Straight line method	(with surface box)
DIA50mm,16bar				No	1	2011	2008		1,000	1,000 **	1	196	196	10-20	15	15	15	15	13	0	196		Straight line method	(with surface box)	
DIA50mm,16bar				No	40	2011	1994			400 **	0.85	220	8,800	10-20	15	15	15	15	587	0	8,800		Straight line method	medium construction quality, (without surface box)	
DIA50mm,16bar				No	6	2011	2004		748	1,152 **	1	220	1,320	10-20	15	15	15	15	88	0	1,320		Straight line method	(with surface box)	
DIA25mm,10bar				No	7	2011	2007			280 **	1	220	1,540	10-20	15	15	15	15	103	0	1,540		Straight line method	(without surface box)	



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		DIA25mm,10bar		No	20	2011	1994			280 **	0.85	220	4,400	10-20	15	15	15	15	293	0	4,400		Straight line method	medium construction quality, (without surface box)	
	Air Release Valves	DIA50mm,16bar		No	1	2011	2008		500	500	1	196	196	10-20	15	15	15	15	13	0	196		Straight line method	(included in the previous 2" gate valve manholes)	
		DIA50mm,16bar		No	2	2011	2004		330	560	1	220	440	10-20	15	15	15	15	29	0	440		Straight line method	(without chamber)	
	Total of Valves on Distribution												23,272							0	23,272				
	Total of Water Assets												9,530,058								6,723,118	2,806,940			

The Currency of Valuation is NIS
 With Fixed Rate: 1USD = 4NIS
 1JD = 6NIS

*: See Section 1.1 in main report

** : consultant-estimated replacement cost

