









Yemen Water Sector Performance Indicators

of Water Local Corporations in Aden, Sana'a, Ibb, Taiz and Hodaidah

Resilience-Oriented Performance Indicators Overview

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1. Introduction

Yemen is suffering an acute water crisis exacerbated by conflict. The drinking-water supply and sanitation services are inadequate, as is the management of water resources. National sector institutions, regional and local water suppliers, and water basin committees are only able to carry out their responsibilities to a limited extent. Agricultural irrigation, especially in the cultivation of Qat, consumes more than 90% of already scarce water resources.

Water Corporations (LCs) are passing through serious changes and challenges. The continued army conflict created a big challenge for management of LCs and utilities and also in customer's behavior especially the reluctance of customer to pay the water services charges. In the last years, there were a number of variables affecting the water sector leading to deteriorate the water and sanitation services plus the operation cost shortage. The factors can be summarized as follow:

1. A new challenge came up to the surface recently and consider a new threat to the water business in the LCs sustainability. This challenge is the lack of source of energy (National Electrical grid) which is one of the major factors that contributed to the water and sanitation dilemma in the country. The absence of electrical power supply by the grid made LCs completely depended on oil derivatives operate decentralized generators for running wellfields, pumps, treatment plants and office equipment. Some LCs spent 100 % of their revenue on fuels. Therefore, the LCs are NOT able to pay the basic salary or carry out adequate maintenance works.

- 2. Increase in fuel price and suspension of UNICEF support to supply LCs with oil derivative depleted the LCs financial revenues and put extra burden on the shoulders of LCs and impacted the performance and O&M of those utilities.
- 3. The economic situation is another factor affecting the stability of the LCs. The government disability to pay the employees' salaries for more than six months was the main factor of sharp decline in the operational revenue which created a critical financial situation and affected the level of services provision.
- 4. Stoppage of investment programs and lack of spare parts are other factors affecting the LCs performance. The rehabilitation of water networks' components as well as other operational equipment of some LCs are appealing for urgent funds from the local and international relief agencies (Lack of water pumps, motors and heavy trucks).

In spite of the harsh conditions and challenges, the determination and dedication enable the LCs to continue water delivery to its customers, the internal displaced peoples (IDPs) and the marginalized people in light of available possibilities. In addition, effective interventions and measures embarked by the Relief and donor organizations contributed to strengthen the role of the LCs from all aspects.

2. Reporting Process

Since the conflict erupted in Yemen in March 2015, the Ministry of Water and Environment with assistance provided by the GIZ Water Sector Program initiated a process to monitor key performance indicators of selected main LCs such as Sana'a, Aden, Taiz, Hodaidah and Ibb. The frequency of reporting is taking place on a monthly basis for eleven emergency performance indicators to assist The Ministry of

- 1. Water supply service coverage = population served through water supply network vs total population(%)
- 3. Total quantity of water pumped in the network (m³/ month)
- 5. Storage capacity (m³)
- 7. Number of functional water pumps in service.
- 9. Collected revenues vs billed amount(%)
- 11. Percentage of basic monthly salaries paid(%)

Water and Environment and other Water Sector Stakeholders to address real and potential trends of performance with respect to operational, financial and managerial capacities of the LCs during the crises and its consequences.

Finally, this report covers the period between January to December 2016 for eleven emergency performance indicators accompanied with technical analysis according to the special conditions passed by each LC.

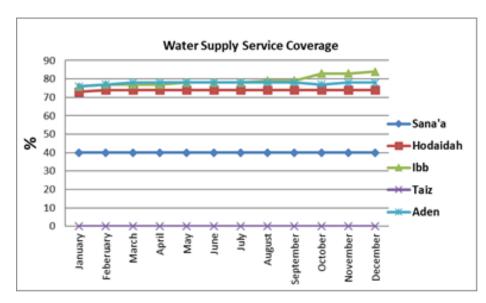
- 2. Number of service days of piped water supply per month.
- 4. Energy cost per m³ water produced (YR/ m³)
- 6. Number of main pumps for the water supply system.
- 8. Number of working generators in the operation of pumps.
- 10. Actual operational cost coverage (%)



Emergency Water Sector performance indicators

3. Technical analysis

a. Service Coverage of piped water supply



Sana'a: Water service coverage is still low and not improved.

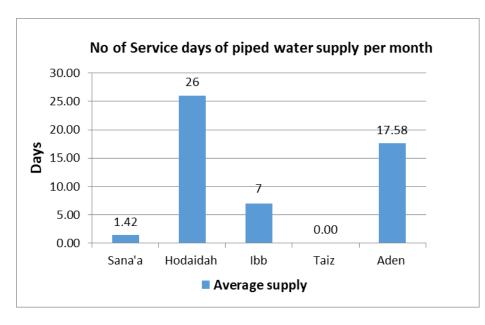
Hodaidah: Water service coverage is still acceptable and slightly increased compared to the year 2015

Ibb: Due to the huge number of IDPs that fled to the city since 2015, The water demand increased rapidly especially in 4th quarter of Year.

Taiz: Not Reported.

Aden: Water service coverage is still acceptable and increased normally.

b. Service days



Sana'a: There is an urgent need to improve the water supply frequency. The number of supply days per month is very low bet. 1 to 2 days a month.

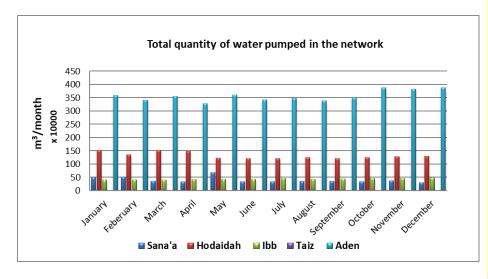
Hodaidah: Services are in optimal level where 70% of people are served daily by water, and 30% of them get water once every two days.

Ibb: Services were provided every three days to cover the basic needs during the crisis time.

Taiz: Not Reported.

Aden: Services are stable through the whole year and water delivered every 2 days.

c. Water quantity¹



Sana'a: The average use is ca. 15 I/c/d.

Hodaidah: The average use is ca. 94

Ibb: The average use is ca. 48 I/c/d.

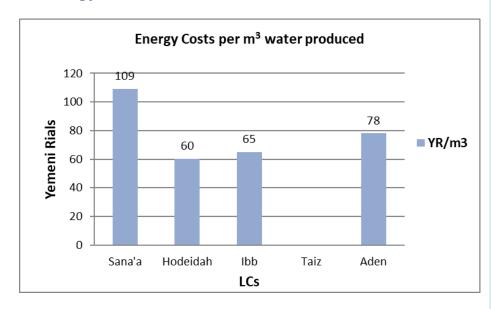
Taiz: Not Reported.

Aden: The average use is ca. 158

I/c/d

I/c/d= liter/capita/day

d. Energy costs



Sana'a: The energy cost per m³ of water produced is 109 YR. The rising costs of energy for the water produced are due to the deep depths of wells in Sana'a and fuel cost increment.

Hodaidah: The energy cost per m³ of water produced is an average **60 YR**. the cost are not stable because of fuel cost increment and electricity shortage.

Ibb: The cost of energy per m³ of water produced is nearly acceptable around **65 YR** and it's the same as in the year 2015.

Taiz: Not Reported.

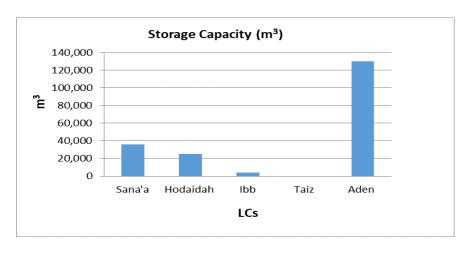
Aden:. The cost of energy per m³ of water produced is nearly acceptable around **78 YR** and it's the same as in the year 2015

Energy shortage is an issue for all LCs and all are facing the same fuel and electricity instability

YR = Yemeni Rial

¹ The calculation of the water quantities per capita and day is based on LCs figures, as water production/population served. The water quantities provided by the private sector and/or humanitarian agencies are not monitored by the LCs and hence not considered in the calculation of this report.

e. Storage capacity

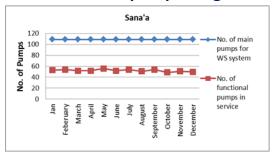


The inclusive average storage capacity in **Aden** served before the crisis was **175** l/c and still the same also after crisis.

Storage capacity in Hodaidah is 54 I/c, Sana'a 40 I/c, and the lowest share is in Ibb 14 I/c. It emphasizes the urgent need to extend the storage capacity by priority in Ibb, Sana'a, Hodaidah and lastly in Aden.

I/c = Liter per Capita

f. Performance of pump and generators



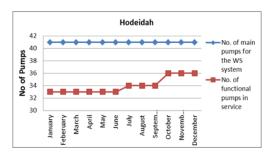
Sana'a: The percentage of functioning pumps is 48%; it is considered low and LC need more support to override and solve the pump problem.

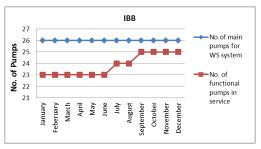
Hodaidah: The percentage of functioning pumps is **83%**, some efforts are needed.

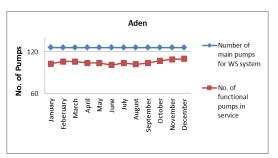
Ibb: The percentage of functioning pumps is 92%

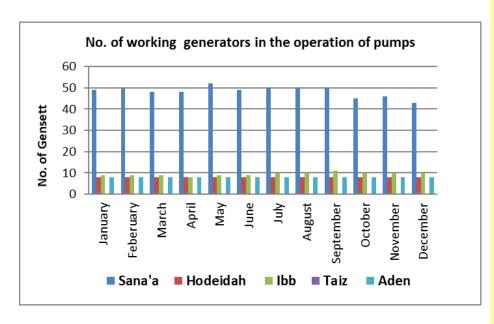
Taiz: Not Reported.

Aden: The percentage of functioning pumps is 83%, some efforts are needed.

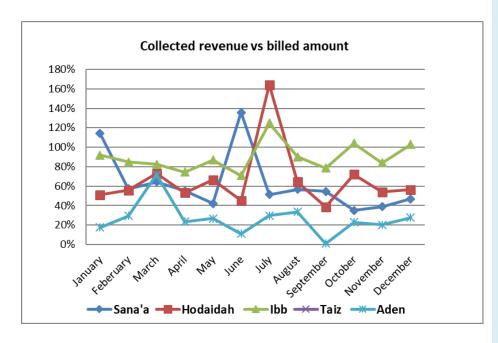








g. Costs and Revenues



Sana'a: The LC is depending totally on generators to operate the pumps in the absence of the public electricity network.

Hodaidah & Ibb: The number of generators is low. Both LCs rely on public electricity network, during power-off, they use the standby generators.

Taiz: Not Reported.

Aden: The number of generators is low. The LCs rely on both different sources like public electricity network and generators. During power-off, they use the standby or Prime generators.

Sana'a: The average percentage of collected revenues is 63%; it was **37%** in 2015.

Hodaidah: The average percentage of collected revenues is 66%. It was 63% in 2015.

Ibb: The average percentage of collected revenues is 90 %. It was **88%** in 2015

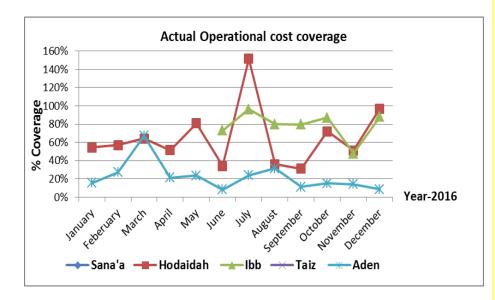
Taiz: Not Reported.

Aden: The average percentage of collected revenues is **26%.** It's very low. An awareness campaign is urgently needed.

The affordability to pay in some cities is not available and in some others the willingness to pay is an issue.

The collection rate is vary from months to months and from LC to other. The increment in the revenue on some months due to central Governmental payment but the domestic still low.

**Revenue including the commercial & government collection



Sana'a: Not Reported.

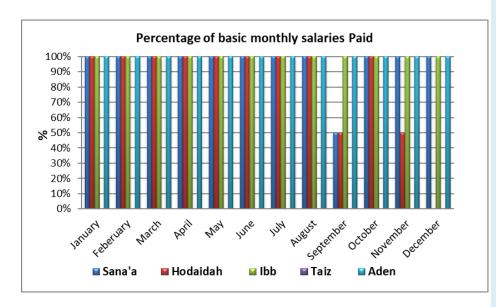
Hodaidah: The average percentage of collected revenues is 65%.

Ibb: The operation cost average is

Taiz: Not Reported.

Aden: The average operation cost coverage is 22%. This is an indicator for quality of services provided and the deterioration of services in the city.

LCs struggle to provide the services and keep the minimum of water supply provision and sanitation services



Sana'a: Basic salaries were paid either from the generated revenues or from local government support. Basic salaries payment is a priority. The LC only paid 50 % of Sep. salary. and Local government were paid for the rest of year. fuel.

Hodaidah: Basic salary is second priority after fuel. All revenue paid for fuel, for that reason the salary of 4th quarter were delay and paid 2 months later and in an average of 5 installments. For Nov. and Dec. salaries were paid in bet. Jan. to April 2017. LCs could not cover the basic salary during last quarter of 2016. LC is not receiving any subsidies from local government.

Ibb and Aden: Basic salaries were paid either from the generated revenues or from local government support.

Taiz: Not Reported.

Sana'a and Al-Hodeidah situation are very critical related to fuel vs Basic salary and service provision.

المرابي على البيابة الشجر المرابع على البيابة الشجر على المرابع على البيابة الشجر المرابع على البيابة الشجر المرابع على البيابة الشجر على البيابة المرابع على البيابة المرابع على البيابة الشجر المرابع على البيابة الشجر المرابع على البيابة الشجر المرابع على البيابة البيابة المرابع على البيابة المنابع على البيابة المرابع على البيابة المنابع على البيابة المنابع على البيابة المرابع على البيابة المنابع على البيابة البيابة البيابة البيابة البيابة المنابعة البيابة البيابة البيابة المنابعة الم	Data / Indicator	City	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Company Com	مد المكان في المراكد المعترية المخدمة من قارمت والخدمة	C	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2,300,000
Number of Population of urban centres Number of Population of urban centres 1862			, ,	, ,	, , ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	632,840
Number of Population of Lurian ordering Adie	(31 21 2 331)	Houlcaan		-	-	-	-	-	•	-		-	-	
Adien 977,676 977,6	Number of Population of Jurban centers				· ·						·	385,230	385,230	385,230
Sample 103,924 103,924 103,924 103,924 103,924 103,924 103,924 103,924 137,302 149,994 149,	Transcrer or repaidten or disarrediters											977 676	977 676	977,676
103,924 103,924 103,924 103,924 103,924 103,924 121,965 137,022 137,932 149,994 149	عدد الناز حين إلى مناطق امتياز مزود الخدمة (شعري في نهاية	Adell	377,070	377,070	377,070	377,070	377,070	377,070	377,070	377,070	377,070	377,070	377,070	377,070
Number of IDPs in the served Area Tail	الشهر)	Sana'a	103,924	103,924	103,924	211,965	137,302	137,302	149,994	149,994	149,994	157,782	157,782	166,188
Number of In the served Area Total		Hodiedah	59,992	59,992	59,992	113,488	113,862	113,862	107,538	107,538	107,538	104,268	104,268	101,970
Aden 25,886 25,886 25,886 25,886 25,886 23,088 26,588 26,688 26,688 30,322 30,322 31,370 30,341 31,377 32,101 31,370 31,370 31,370 31,370 30,341 31,377 32,101 31,370 31,370 30,341 31,377 32,101 31,370 30,341 31,377 32,101 31,370 31		lbb	104,304	104,304	104,304	111,384	110,340	110,340	98,214	98,214	98,214	112,188	112,188	128,508
Annihar of population served through water supply relevants. Number of population served through water supply relevants. 1	Number of IDPs in the served Area	Taiz	555,048	555,048	555,048	620,934	518,448	518,448	532,992	532,992	532,992	426,672	426,672	273,780
# Hodiedah 465,059 465,259 465,256 466,216 467,229 467,627 467,627 467,735 465,685 469,007 469,420		Aden	25,836	25,836	25,836	25,566	31,068	31,068	26,658	26,658	26,658	30,522	30,522	33,822
Hoofician Ho		Sana'a	911,370	911,370	911,370	911,370	911,370	911,370	911,370	911,370	911,370	911,370	911,370	911,370
Number of population served through water supply relevant (نهایه الشهر)	Hodiedah	465,059	465,759	466,256	466,816	467,229	467,607	467,733	467,915	468,685	469,007	469,420	470,043
Supply retherork Adm 746,646 753,990 755,412 758,550 759,860 759,990 759,996 761,190 762,324 756,996 758,868 756,996		lbb	293,238	295,020	296,604	298,056	298,881	300,487	301,158	302,632	303,413	318,747	321,013	322,971
Storage capacity in m³ (1920)		Taiz	NR											
Sana's 2 2 2 2 2 2 2 2 2	supply network	Aden	746,646	753,990	755,412	758,550	759,840	759,990	759,996	761,190	762,324	756,996	758,868	760,668
Hodiedah 26 26 26 26 26 26 26 2		Sana'a	2	2	2	2	2	1	1	1	1	1	1	1
الله العالم الع	التوزيع)		26	26	26	26	26	26	26	26	26	26	26	26
Number of service days of piped water supply per month Taiz NR														7
Aden 18 18 18 17 17 18 18 18 17 18 18 18 17 18 18 18 17 18 18 18 17 18 18 18 17 18 18 18 17 18 18 18 17 18 18 18 17 18 18 18 17 18 18 18 17 18 18 18 17 18 18 18 17 18 18 18 17 18 18 18 17 18 18 17 18 18 18 18 17 18 18 18 17 18 18 18 17 18 18 18 17 18 18 18 17 18 18 18 18 17 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 17 18 18 18 18 18 17 18 18 18 18 17 18 18 18 18 18 17 18 18 18 18 18 17 18 18 18 18 18 17 18 18 18 18 18 17 18 18 18 18 18 17 18 18 18 18 18 18 18 17 18 18 18 18 18 18 18 17 18 18 18 18 18 18 17 18 18 18 18 18 18 17 18 18 18 18 18 18 18 17 18 18 18 18 18 18 18 18 17 18 18 18 18 18 18 18 18 17 18 18 18 18 18 18 18 17 18 18 18 18 18 18 18 18 17 18 18 18 18 18 18 18 17 18 18 18 18 18 18 18 18 17 18 18 18 18 18 18 18 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18														NR
## Sana a		Aden	18	18	18	17	17	17	18	18	17	18	17	18
Hodiedah 1,520,005 1,350,632 1,519,189 1,488,654 1,228,588 1,210,974 4,215,393 1,252,666 1,214,066 13,251,308 1,275,589 1 1,281,393 1,282,606 1,214,066 1,251,308 1,275,589 1 1,281,393 1	إجمالي كمية المياه المضخة من خلال شبكة التوزيع		493,317	524,186	348,154	331,178	684,610	339,286	335,207	345,020	345,923	337,042	374,310	305,939
ا		Hodiedah	1,520,005	1,350,632	1,519,189	1,488,654	1,228,588	1,210,974	1,215,393	1,252,666	1,214,066	1,251,308	1,275,589	1,301,523
Total Quantity of water pumped in the network Aden Aden 3,586,648 3,405,181 3,544,392 3,284,712 3,601,378 3,473,783 3,475,772 3,388,712 3,491,015 3,878,700 3,333,800 109 109 109 109 109 109 109 109 109 1				,,	, ,			, .,						485,300
Aden 3,586,848 3,405,181 3,544,392 3,284,712 3,601,378 3,423,783 3,475,277 3,388,712 3,491,015 3,878,700 3,832,800 109 109 109 109 109 109 109 109 109 1	Total Quantity of water pumped in the network	Taiz		,	·		·	,	,		·	,	,	NR
Sana'a 109 109 109 109 109 109 109 109 109 109			3.586.848	3.405.181		3.284.712	3,601,378				3,491,015	3.878.700		3.875.3
Bibb 65 65 65 65 65 65 65	تكلفة الطاقة لكل متر مكعب منتج من المياه خلال الشهر	Sana'a	109	109	109	109	109	109	109	109	109	109	109	109
Energy Costs per m³ water produced Taiz NR NR NR NR NR NR NR N		Hodiedah	22	29	26	48	9	10	40	99	46	82	98	213
Aden 78 78 78 78 78 78 78 78 78 78 78 78 78		lbb	65	65	65	65	65	65	65	65	65	65	65	65
Aden 78 78 78 78 78 78 78 78 78 78 78 78 78	Energy Costs per m ³ water produced	Taiz	NR											
Hodiedah 25,000		Aden	78	78	78	78	78	78	78	78	78	78	78	78
Ibb 4,000 <td>الطاقة التخزينية الشهرية المتاحة</td> <td>Sana'a</td> <td>36,000</td>	الطاقة التخزينية الشهرية المتاحة	Sana'a	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000
Storage capacity in m³		Hodiedah	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
Aden 130,000		lbb	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Sana'a 99 99 99 99 99 99 99 99 99 99 99 100 100	Storage capacity in m ³	Taiz	NR											
Hodiedah 41 41 41 41 41 41 41 41 41 41 41 41 41		Aden	130,000	130,000	130,000	130,000	130,000	130,000	130,000	130,000	130,000	130,000	130,000	130,000
الله 26 26 26 26 26 26 26 26 26 26 26 26 26	إجمالي عدد المضخات الرئيسية	Sana'a	99	99	99	99	99	99	99	99	99	100	100	100
Total number of main pumps for the water Supply system Taiz NR			41	41	41	41	41	41	41	41	41	41	41	41
supply system Aden 126<		lbb	26	26	26	26	26	26	26	26	26	26	26	26
Number of functional pumps in service Sana'a 53 54 52 52 56 52 54 51 54 49 51 Number of functional pumps in service 10b 23 23 23 23 23 23 23 24 24 25 25 25	Total number of main pumps for the water	Taiz	NR											
Hodiedah 33 33 33 33 33 33 34 34 34 36 36 36 36 Number of functional pumps in service Taiz NR	supply system	Aden	126	126	126	126	126	126	126	126	126	126	126	126
Ibb 23 23 23 23 23 24 24 25 25 25 25 25 25	عدد المصخات الرئيسية العاملة والتي تضخ المياه خلال الشهر	Sana'a	53	54	52	52	56	52	54	51	54	49	51	50
Number of functional pumps in service Taiz NR		Hodiedah	33	33	33	33	33	33	34	34	34	36	36	36
102		lbb	23	23	23	23	23	23	24	24	25	25	25	25
106	Number of functional pumps in service													NR
Much 100 100 107 1								1111		****		1111		110
Sana'a 10,048 10,575 7,190 6,733 14,100 7,079 6,875 7,208 7,202 6,888 7,699 عد ساعث صل (تشغيل) للمشخلات (كل المضخلات (كل المضخلات الحاملة والثني	عدد العاد، عمل اتشغيل المضخات (كل المضخات العاملة والتي													6,814
المنطقة المنط	تضنخ المياه) في الشهر		.,	,			·	· .		.,		.,	.,	22,882
		· rouicuari	-7	,	,		,	,	,	,	,	,	,	13,386

Data / Indicator	City	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
Number of working hours of all the operating	Taiz	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
pumps that pumps water	Aden	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
عدد الإحلال الناتجة عن اسباب فنية خلال الشهر للمضخات	Sana'a	5	4	2	3	2	4	14	15	17	10	5	4
الرئيسية العاملة في ضبخ المياه	Hodiedah	4	9	3	6	4	11	4	2	6	8	5	6
									_				-
Number of main functional number failures due	lbb	1	1	0	0	1	1	1	1	1	1	1	1
to technical reasons	Taiz	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	Aden	23	20	20	22	22	25	22	24	22	19	17	16
عدد المولدات العاملة في تشغيل المضخات	Sana'a	49	50	48	48	52	49	50	50	50	45	46	43
	Hodiedah	8	8	8	8	8	8	8	8	8	8	8	8
	lbb	9	9	9	8	9	9	10	10	10	10	10	10
	Taiz	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	Aden	8	8	8	8	8	8	8	8	8	8	8	8
عدد ساعات عمل (تشغيل) المولدات (كل المولدات العاملة المستخدمة في تشغيل المضخات لضخ المياه) خلال الشهر	Sana'a	10,063	10,664	7,227	6,758	14,289	7,206	7,081	6,905	6,905	6,998	5,859	7,288
	Hodiedah	1,081	1,373	1,031	1,234	2,831	3,242	2,572	2,526	1,299	953	961	1,538
	Ibb	2,348	2,450	3,252	3,462	4,150	4,240	4,398	4,298	4,363	4,401	4,398	4,395
Number of working hours of all operating generators used to run the functional pumps that pumps water	Taiz	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Number of working hours of all the operating pumps that pumps water عدد الاصلال الذاتجة عن اسباب فنية خلال الشهر للمصخات الميامة في ضغ المياه والمصخات عدد المرلدات العاملة في تشغل المصخات عدد المرلدات العاملة في تشغل المصخات المصخات من الميام المصخات المصخات عدد ساعات عمل (تشغيل) المولدات (كل المولدات العاملة عن تشغيل المصخات لصخخ المياه) خلال الشهر يم المحصلة الميام المصحات الميام المحصلة يتمة الإيرادات الشهرية المغررة (قيمة مبيعات المياه الشهرية المغورة المختلية الشهرية المغررة (قيمة مبيعات المياه الشهرية المغررة المختلية التكاليف التشغيلية المحصلة المعالية التكاليف التشغيلية المعالية التشغيلية المعالية التكاليف التشغيلية المعالية الشهرية المغررة المعالية التكاليف	Aden	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
قيمة الايرادات الشهرية المحصلة	Sana'a	264,499,213	145,088,878	155,726,745	125,153,240	95,085,263	304,688,727	117,052,049	128,497,497	122,748,098	89,691,974	97,011,386	118,001,880
	Hodiedah	73,713,401	81,494,856	91,632,727	74,996,375	90,341,334	58,197,832	213,470,128	83,519,241	51,595,445	104,858,581	74,111,909	80,271,187
	lbb	66,417,727	64,520,653	73,335,441	66,117,228	75,268,045	62,858,541	105,505,128	83,562,466	73,497,056	86,107,613	75,911,594	94,308,940
Collected revenues	Taiz	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	Aden	60,737,435	105,513,671	268,005,197	84,850,471	92,590,726	37,297,151	102,242,152	120,503,116	49,317,405	76,453,887	73,393,712	96,734,115
قيِمة الايرادات الشهرية المفوترة (قيمة مبيعات المياه الشهرية	Sana'a	231,880,933	253,574,004	241,358,484	226,698,206	226,033,969	224,702,672	227,444,790	226,703,297	224,309,486	258,502,630	251,315,759	250,516,432
المفوترة)	Hodiedah	144,469,917	145,905,577	125,405,386	140,943,604	135,788,290	128,649,770	129,981,197	129,622,311	133,952,963	145,517,367	137,511,414	142,234,730
	lbb	72,175,238	76,064,679	88,911,911	88,911,911	86,659,903	88,587,073	84,462,821	92,658,007	93,665,599	82,687,320	90,384,594	91,445,178
Billed amount	Taiz	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	Aden	342,055,523	359,550,033	374,088,532	360,149,444	344,275,873	339,891,793	342,069,757	360,215,998	4,414,584,421	332,985,585	362,676,386	351,034,521
إجمالي التكاليف التشغيلية	Sana'a	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	Hodiedah	135,623,370	143,135,555	143,027,159	145,762,605	111,895,063	170,623,311	140,862,605	231,535,510	166,004,287	145,514,646	145,089,956	82,737,738
Total analystic and another	lbb - ·	NR	NR	NR	NR	NR	86,046,701	109,405,036	104,659,985	92,187,681	98,798,738	158,143,212	107,318,437
i otal operational costs	Taiz	NR 200 F70 216	NR	NR 200 220 250	NR	NR 200 220 521	NR	NR	NR 201 F40 012	NR	NR	NR	NR
2 lt l 2 lt / lt / lt	Aden	390,570,216	388,543,125	398,228,350	395,527,657	389,220,531	446,843,943	427,427,808	381,540,912	434,085,364	509,177,817	516,742,781	1,103,876,897
قيمة الاعلنك (المعونات) الحدومية السهرية مرود الحدمة	Sana'a Hodiedah	0	0	0	0	0	0	0	0	0	0	0	0
	Ibb	0	0	0	0	0	l o	l o	0	l o	ı	ı	ı
Monthly governmental subsidies	Taiz	NR	NR	NR	NR	NR	NR	NR	NR NR	NR NR	NR	NR	NR
			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
اس قال التم الاساس قالش مه قالمجفي عة الموظفين	Aden Sana'a	NR 100%	NR 100%	100%	100%	NR 100%	100%	100%	100%	50%	100%	100%	100%
تسبه الرواتب در ساسید استهرید المسوحد ساوستین	Hodiedah	100%	100%	100%	100%	100%	100%	100%	100%	50%	100%	50%	0%
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	lihh									. TOU/0	100/0	. TOO /0	4 100/0
Percentage of basic monthly salaries paid	lbb Taiz	NR	NR	NR	NR	NR	NR.	NR NR	NR NR	NR	NR	NR	NR

Emergency Indicators with high priority			1st Q			2nd Q			3rd Q		4th Q		
Data / Indicator	LC's	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
نسبة عدد السكان المخدومين بالمياه من قبل مزود الخدمة من اجمالي السكان	Sana'a	40	40	40	40	40	40	40	40	40	40	40	40
(شهري في نهاية الشهر)	Hodaidah	73	74	74	74	74	74	74	74	74	74	74	74
	lbb	76	77	77	77	78	78	78	79	79	83	83	84
Water supply service coverage = population served	Taiz	NR											
through water supply network vs total population	Aden	76	77	78	78	78	78	78	78	78	77	78	78
	Sana'a	2	2	2	2	2	1	1	1	1	1	1	1
عدد ايام تزويد الخدمة خلال الشهر (تزويد المياه من خلال شبكة التوزيع)	Hodaidah	26	26	26	26	26	26	26	26	26	26	26	26
	lbb	7	7	7	7	7	7	7	7	7	7	7	7
Number of service days of piped water supply per	Taiz	NR											
month	Aden	18	18	18	17	17	17	18	18	17	18	17	18
and the second s	Sana'a	493,317	524,186	348,154	331,178	684,610	339,286	335,207	345,020	345,923	337,042	374,310	305,939
إجمالي كمية المياه المضخة من خلال شبكة التوزيع	Hodaidah	1,520,005	1,350,632	1,519,189	1,488,654	1,228,588	1,210,974	1,215,393	1,252,666	1,214,066	1,251,308	1,275,589	1,301,523
L	lbb	401,765	405,407	399,676	423,658	430,977	434,934	456,954	427,845	443,183	454,136	455,407	485,300
Total Quantity of water pumped in the network	Taiz	NR											
	Aden	3,586,848	3,405,181	3,544,392	3,284,712	3,601,378	3,423,783	3,475,272	3,388,712	3,491,015	3,878,700	3,832,800	3,875,300
All this to the second of the second beautiful to	Sana'a	109	109	109	109	109	109	109	109	109	109	109	109
تكلفة الطاقة لكل متر مكعب منتج من المياه خلال الشهر		22	29	26	48	9	10	40	99	46	82	98	213
	lbb	65	65	65	65	65	65	65	65	65	65	65	65
Energy costs per m ³ water produced	Taiz	NR											
	Aden	78	78	78	78	78	78	78	78	78	78	78	78
e and the state of the state of the	Sana'a	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000	36,000
الطاقة التخزينية الشهرية المتاحة	Hodaidah	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000
	lbb	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Storage capacity in m ³	Taiz	NR											
	Aden	130,000	130,000	130,000	130,000	130,000	130,000	130,000	130,000	130,000	130,000	130,000	130,000
To at Morely and Committee	Sana'a	99	99	99	99	99	99	99	99	99	100	100	100
إجمالي عدد المضخات الرئيسية	Hodaidah Ibb	41 26											
Total number of main number for the water augusts	Taiz	NR											
Total number of main pumps for the water supply	Aden	126	126	126	126	126	126	126	126	126	126	126	126
system	Sana'a	53	54	52	52	56	52	54	51	54	49	51	50
عدد المضخات الرئيسية العاملة والتي تضخ المياه خلال الشهر	Hodaidah	33	33	33	33	33	33	34	34	34	36	36	36
عدد المصنعات الرعيسية المحامة والدي للصلح المواه عادل السهر	Ibb	23	23	23	23	23	23	24	24	25	25	25	25
Number of functional water pumps in service	Taiz	NR											
Number of functional water pumps in service	Aden	103	106	106	104	104	101	104	102	104	107	109	110
	Sana'a	49	50	48	48	52	49	50	50	50	45	46	43
عدد المولدات العاملة في تشغيل المضخات	Hodaidah	8	8	8	8	8	8	8	8	8	8	8	8
عد المؤلفات العامد في تمكين المصفحات	Ibb	9	9	9	8	9	9	10	10	11	10	10	10
Number of working generators in the operation of	Taiz	NR											
pumps	Aden	8	8	8	8	8	8	8	8	8	8	8	8
psp0	Sana'a	114%	57%	65%	55%	42%	136%	51%	57%	55%	35%	39%	47%
نسبة التحصيل		51%	56%	73%	53%	67%	45%	164%	64%	39%	72%	54%	56%
	Ibb	92%	85%	82%	74%	87%	71%	125%	90%	78%	104%	84%	103%
Collected revenues vs billed amount	Taiz	NR	NR	NR	NR	NR	NR	NR NR	NR	NR	NR	NR	NR
Concessed To Single Arrivant	Aden	18%	29%	72%	24%	27%	11%	30%	33%	1%	23%	20%	28%
التغطية التشغيلية المحصلة للكلفة	Sana'a	NR											
	Hodaidah	54%	57%	64%	51%	81%	34%	152%	36%	31%	72%	51%	97%
	Ibb						73%	96%	80%	80%	87%	48%	88%
Actual operational cost coverage	Taiz	NR											
,	Aden	16%	27%	67%	21%	24%	8%	24%	32%	11%	15%	14%	9%
	Sana'a	100%	100%	100%	100%	100%	100%	100%	100%	50%	100%	100%	100%
نسبة الرواتب الاساسية الشهرية المدفوعة للموظفين		100%	100%	100%	100%	100%	100%	100%	100%	50%	100%	50%	0%
	lbb	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Toir	NR											
Percentage of basic monthly salaries paid	Taiz	INT										INIA	

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Text

Aden LC, Hodaidah LC, Ibb Lc, Sanaa LC, Taizz LC are responsible for the content of this publication.