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CHATTOGRAM WATER SUPPLY AND SEWERAGE AUTHORITY



MANAGEMENT INFORMATION SYSTEM REPORT OCTOBER-2022

WASA BHABAN DAMPARA CHATTOGRAM, BANGLADESH

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Chattogram Water Supply & Sewerage Authority Monthly MIS Report October 2022

	Unit	This month	Year to date	D	This	Evaluation	Remarks '	*3
Pole (City			1000	Previous	year	*2	++	Too go
Selected Key Indicators 17* Non Revenue Water	3 19 15 1 X 2 49 1 1 1 1 1	Por Asia Carlotty one at the	140	year actual	target *1		1	Very ba
17* Non Revenue Water	%	ing this is		actual	100年1年4月		Sections.	47. 17.00
Revenue collection efficiency/monthly and contact of Collection	1 %	33	31	30	23	-37%	!	arthalle gorth
		66	84	93	99	-33%	1	
No. of perma ometa	Day	191	230	282	263	13%	,	
i saing italio	Nos.	7.2	N/A	7.3	8.5	16%		
3.5" Functioning meter rate of installed made	Ratio	0.87	0.68	0.79	0.72	6%		
The Gudin sample	%	93	N/A	95	100	-7%		
18* Leakage occurrence	No./month		800	2,400	2,400	-92%	r	
6* Water supply coverage	No./km/mt/	0.28	0.31	0.38	5.04	94%	++	
5* Average tariff	%	61	N/A	62	75	-18%		
16* Unit production cost (In/c Cast Cost Decree & Financial Financial	Tk/m3	19.95	15.83	14.28	15.28	31%	++	
Connection data	Tk/m3	10.04	14.86	12.31	20.53	28%	++	
Connection data 1 Total registered connections			William S.		16年2月2日 18日		并是到	
1.1 Billable (non-disconnected) connection	Nos.	87,741	N/A	86,788	91,700	-4%	AND AND THE RES	traver be
1.2 Non-billable (disconnected) connection	Nos.	81,926	N/A	81,005	85,700	-4%		
1.3 Billed connection	Nos.	5,815	N/A	5,783	6000	3%		
2 Breakdown of billable connection (by customer type)	Nos.	80,536	N/A	78,980	84,000	-4%		
2.1* Domestic	,			7				
2.2 Non-domestic	%	93	N/A	93	93	0%		
Breakdown of billable connection (by meter status)	%	7	N/A	7	7	0%		
3.1 Metered								
3.2 Average reading	Nos.	76,278	N/A	77,176	81,700	-7%		
3.3 Non meter	Nos.	5,543	N/A	3,723	4,000	-39%	1	
	Nos.	105	N/A	106	106	1%	la de	
	%	100	N/A	100	100	0%		
3.5* Functioning meter rate of installed meter	%	93	N/A	95	100	-7%		
4 Street Hydrant	Nos.	689	N/A	689	689	0%		
Religious Institutions	Nos.	368	N/A	368	368	0%		
6* Water supply coverage	%	61	N/A	62	75	-18%		
7 Bill sent-out ratio	%	98	N/A	98	98	0%		

		Unit	This month	Year to date	Previous year	This	Evaluation	Remarks *:	3
	Section 18 Company Section Contracts				actual	year	*2	++	Too goo
B) Tariff	Domastic .	C. Freezeway	Section of the sectio	Responding to the sale of the	HEREN WANTER	target *1		!	Very bac
В 1	Domestio	Tk/m3	18.00	N/A	13.02	12.67		i na gr	
B 2	Non-domestic	Tk/m3	37.00	N/A	31.82	13.67	32%	++	
B 3	Street Hydrant	Tk/m3	18.00	N/A	13.02	33.41 13.67	11%		
B 4	Religious Institutions	Tk/m3	18.00	N/A	13.02		32%	++	
D 5*	Average tariff	Tk/m3	19.95	15.83	14.28	13.67	32%	++	
C) Billing	and Collection		19.93 Skalka abili., ka	15.05		15.28	31%	++	
C 1	Total billing	Tk	198,086,907	646,387,713	1,646,498,206	1,931,900,000		47 F. B. B.	
C 1.1*	Private	Tk	174,118,388	563,642,908	1,417,237,972	1,552,430,000	0%		
C 1.2*	Government	Tk		82,744,805	229,260,234	379,470,000	9%		- 1
C 2	Billed volume (Total Volume Accounted)	ML	23,968,519 9.928	40,833	115,273	126,470	-35%	1	- 1
C 3	Total collection	898 800,000	100000000000000000000000000000000000000	543,506,725	1,532,296,451	1,916,900,000	-3%		
C 3.1*	Private	Tk	130,766,747		1,385,932,394	1	-15%		
C 3.1	Government	Tk Tk	123,475,011	491,769,451 51,737,274	146,364,057	1,712,297,000 204,603,000	-14%		
C 3.2	Revenue collection efficiency(monthly coll.+outstand. Coll.)/monthly bill.		7,291,736 66	84	93	99	-24% -33%		
C 4.1*	Private	%	71	87	98	110	-36%	!	
G 4.1	Government	%	30	63	64	54	-30%	į	l
	ncial data	, , , , , , , , , , , , , , , , , , ,	30	184210110110110101	44.23.275.43.43	57	9 11 5 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Research C
D 1	Revenue (Total)	Tk	154,299,828	631,521,645	1,828,840,771	2,296,850,000	-18%	**************************************	20132557
D 1.1	Water revenue	Tk	130,766,747	543,506,725	1,532,296,451	1,916,900,000	-15%		
D 1.1	Tubewell license	Tk	5,707,358	19,468,308	114,045,305	100,000,000	-42%	!	- 1
D 1.3*		Tk	9,492,390	35,213,279	82,499,015	179,950,000	-41%	İ	- 1
D 1.4*	1 Marie	Tk	8,333,333	33,333,333	100,000,000	100,000,000	0%		- 1
D 2	Expenses (Total)	Tk	149,164,021	884,569,894	2,032,959,163	3,372,762,373	21%		
D 2.1*		Tk	33,664,021	140,733,051	426,879,163	575,536,000	27%	++	- 1
D 2.2		Tk	69,615,000	243,363,000	652,415,000	773,000,000	6%		
D 2.3	Electricity cost Chemicals	Tk	26,788,000	30,144,000	141,233,000	140,000,000	35%	++	- 1
D 2.4		Tk	0	367,985,843	246,857,000	1,471,943,373	25%	++	
D 2.5	- F. Goldfolf	Tk	19,097,000	102,344,000	565,575,000	412,283,000	26%	++	
D 2.5	Other operating cost	Tk	4,773,000	13,186,000	220,317,000	173,693,000	77%	++	
D 2.5	-1101 O G [W]	Tk	14,324,000	89,158,000	345,258,000	238,590,000	-12%	"DU 1/01	1
D 2.6	- Phili cost from revenues	Tk	0	0	0	0	1.000	#DIV/0!	- 1
D 3	i manual expense	Tk	5,135,808	(253,048,249)	(204,118,392)	(1,075,912,373)	-29%		
D 4*	Net Income (Loss)	Tk	0	N/A	0	0	N/A N/A		
D 5*	Cash at bank	Tk	0	0	0	140,034	4%		- 1
D 6	Stock & stores	Tk	1,222,363,338	N/A	1,271,740,973	1,271,740,973	1%		1
D 6.1	Accounts Receivable	Tk	208,964,590	N/A	210,605,008	210,605,008	4%		1
D 6.2	- Accounts receivable from Government	Tk	1,013,398,748	N/A	1,061,135,965	1,061,135,965	100%	++	
D 7*	ACCOUNTS TO THE FORM Drivate	Tk	0	75,761,763	0	303,047,050	6%		
D 8*	condition is	Ratio	0.87	0.68	0.79	0.72	13%		
D 9*	Operating Ratio Collection period	Day	191	230	282	263			70-70

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		Unit	This month	Year to date	Previous	This	Evaluation	Remarks *	3
				to date	year	year	*2	++	Too goo
E) Wate	r Supply	Labora North	A Destrictions		actual	target *1	A CONTRACTOR OF THE CONTRACTOR	Charles Navious	Very ba
	Capacity of Surface WTP (Mohors+St H WTP 1.5) LUNGS a		"编辑过滤路 "	新文化的	2 · 10 · 美级建筑				
E 4	Paord of Ground WID	MLD	466	N/A	466	490	-5%		
E 5	Deep Tube Wells in Operation	MLD	68	N/A	68	68	0%		
E 6*	Capacity of DTW - direct distribution	Nos.	42	N/A	47	47	-11%		
E 7*	Capacity of DTW - supply to GWTP	MLD	45	N/A	48	48	-6%	#DD ****	
E 8*	Capacity of distributable water production	MLD	0	N/A	0	0	#DIV/0!	#DIV/0!	
E 9	Length of Pipeline	MLD	578	N/A	581	605	-4%		
E 15*	Production (distributable water)	km	962	N/A	962	992	-3%		
	DTW water to users before boosters	ML	14,859.84	59,528	165,187	164,250	9%		
E 16*	to deep being bonsiers	ML	0	0	0	0	N/A	İ	
E 17*	Unit production cost (in/c Capt. Cost,Deprec. & Financial Expense.) Non Revenue Water	Tk/m3	10.04	14.86	12.31	20.53	28%	++	
E 18*	l pakaga a sawaya	%	33	31	30	23	-37%	!	
E 19		No./km/mtf		0.31	0.38	5.04	94%	++	
E •20*	Water quality sample	No./month	200	800	2,409	2,400	-92%	Į į	
	Satisfactory sample in chlorine level	%	100	100	100′	100	0%		
E 21*	Satisfactory sample in microbiological level	%	100	100	100	100	0%		
) Persoi	nnel					美国企业	在 经3.5%	李宝	
= 1	No. of permanent employees (Total)	Nos.	586	N/A	591	732	20%		
= 1.1	Grade-3-9	Nos.	69	N/A	59	60	N/A	++	
- 1.2	Grade-10-11	Nos.	30	N/A	37	62	N/A	++	
F 1.3	Grade-12-16	Nos.	253	N/A	254	300	N/A	++	
F 1.4	Grade-17-20	Nos.	234	N/A	241	310	N/A	++	
F 5	No. of non-permanent employees (Total)	Nos.	0	N/A	0	0	#DIV/0!	#DIV/0!	
F 5.1	Work charge (6 month contract worker)	Nos.	0	N/A	0	0	N/A	++	
F 5.2	Master roll (Daily basis casual worker) Outsource in	Nos.	0	N/A	0	300	N/A	++	
F 5.3	Project staff (hired by project budget)	Nos.	50	N/A	50	50	N/A	++	
F 2*	No. of perma, employee per 1000 connections(excl. non-perma, Empl.)	Nos.	7.2	N/A	7.3	8.5	16%		
F 3	Average Monthly Salary	TK	27,823	N/A	18,802 1	19,960	-39%	!	
F 4*	% of Overtime to Basic Salary	%	38	N/A	1 - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6	32	-18%		
	mer Services		A. Make	A STATE OF THE STA	。 第二章	32	WATER TONK		
	New Service Connection				5,296			Carl No. La Parting.	person of the Diffe
G 1	Service Connection Application Received	Nos.	656	2,208	4,934	6,000	10%		
G 1.1	Service Connection given	Nos.	522	1,925	4,534	5,000	16%		
G 1.2	Billing complaints		0. 55-000	J	2,510				
G 2	Complaints received	Nos.	230	790	2,050	4,500	47%	++	
G 2.1	Complaints acted on	Nos.	175	629	4,422	3,500	46%	++	
G 2.2 G 3	Complaints acted on Leakage complaints received and attended	Nos.	268	1,207	4,422	5,000	28%	++	

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Notes:	evisiont
Notes: N/A = not applicable (= pointless to calculate, or nor Some numbers may show the same value in spite o	different values, which is due to rounding. different values, which is due to rounding. ness Plan, (2) Performance Agreement, (3) discussion with D M D (Engineering), (same or modified value of previous year) ness Plan, (2) Performance Agreement, (3) discussion with D M D (Engineering), (same or modified value of previous year) the set target. An evaluation result "X %" means that performance of particular indicator is X % better than what is set as the target.
Some numbers may show the same value in obite of	Goog Plan (2) Reformance Agreement (3) discussion with D M D (Engineering), (Same of Modern United Water () Newtons year)
1: "this year target" can be set according to (1) Bus	the set target. An evaluation result "X %" means that performance of particular indicator is X % better than what is set as the target. The set target. An evaluation result "X %" means that performance of particular indicator is X % better than what is set as the target. The evaluation result is shown as -20% (= 1 - 24 / 20).
*2: Evaluation is made on the basis of variance not	the set target. An evaluation result is shown as -20% (= 1 - 24 / 20).
the NRW is 24% and the larger is 2010, the pe	to the considered uniavolation in a sensidered favorable. The evaluation result is shown as 20% (= 24/20 , 1)
If the number of water quality sample to receive	as 24 Wiles the target is set at 20, this per think and throughold indicating "100 good .
+2. A warning sign " ++ " appears when the evaluati	in result exceeds 25%, which is considered as the man and indicating "york had".
A warning sign "!" appears when the evaluation	result is less than - 25%, which is considered as the low-end threshold indicating very 555 (= 36000 / 45000). 1,000 and the number of domestic connections in billable connections is 36,000, this will be 80% (= 36000 / 45000).
A A . If the total number of pillable confidence to	Appa and the highliger of domestic connections in any
A2.1: if the total number of billiads A3.4: Meter installation rate = 1 - (number of non-n	eter connection / number of billable connection). 6 Person per Connection + Total Street Hydrant x 80 Person per Street Hydrant) / Total Population in Water Supply Area *100.
· · · · · · · · · · · · · · · · · ·	to reison per connection + Total Street hydranics out cross per
la total billio / total billio /	iune
le	S DUIDOSE WATER I SOID DV DOWSED
C1.1: "Private includes physic data C1.2: "Government" includes government users, st	eet hydrants and religious institutions
C1.2: Government modeloo government	
C3.1: Same as C1.1	
C3.2: Same as C1.2	g x 100. CWASA's existing accounting system cannot classify accounts receivable by age.
C4: Revenue collection efficiency can	the shown merely as (total collection during a period + total billing during the same period).
Therefore the revenue collection emcleric, can	C SHOWN THE FELT AS A FORM CONCESSION OF THE PROPERTY OF THE P
C4.1: Same as C4	
C4.2: Same as C4	ently becomes available twice a year due to capacity limitation of computer section.
C5. Metered volume to billed volume ratio data cur	stuy becomes available times a year door to deputy, white
D1.2: "License and renewal fee of tubewell" in "oth	1 Operating Teveride
D1.3: Excludes "License and renewal fee of tubew	It is used a proxy value is used here so that the net income can be computed. The proxy value is the previous year's monthly interest.
D1.4: As the interest income is not obtainable until	the year end, a proxy value is used here so that the net income can be computed. The proxy value is the previous year's monthly interest.
D2 1: Includes salary & allowances, provident tune	gratuity, restivat boilds, eventure and the converted to a monthly average and shown in the monthly data column.
D2.4: Data is only available quarterly instead of me	ntiny. The cost of the latest three month is converted to a monthly average and shown in the monthly data column.
ID2.6: Data is only available quarterly instead of me	nicity. The cost of the latest respected to become obtainable monthly in the future
D4: Under the current system, this value is not obt	nthis. The cost of the falest life thould be converted to become obtainable monthly in the future. sinable until the year end. However it is expected to become obtainable monthly in the future.
D5: Under the current system, this value is not obt	Inable until the year and, however it is expected to become obtained
D6.1: Same as C1.1	
D6.2: Same as C1.2	
D7: Long term liabilities outstanding as unpaid at 1	e end at month
D8: To see more clearly the CWASA capacity to 9	te end of friction the end of friction the operating profit before depreciation and interest, the electropist + chemical cost + other O & M) / (total Revenues).
the operating ratio is defined as (personnel cos	enerate the operating priorit before depretation that microscopes are the operating priorities and the microscope are the operating priorities and the operating priorities are the operating priorities and the operating priorities are the operating priorities are the operating priorities are the operating priorities and the operating priorities are the operating
1 L / Production canacity of door tube (vells 1/14) at	The state of the s
E15: Distributable water (or system input water) =	Water produced at Surface WIT + Water photoced at Stotic WIT + Water distributed to With Stotic
E15. Distributable Water (or system imput water)	water produced at Surface WIP + Water produced at Ground WIP + Water directly distributed from DTW some DTWs on the way to boosters are not included in the distributable water (E15). Some DTWs on the way to boosters are not included in the distributable water (E15). Some DTWs on the way to boosters are not included in the distributable water (E15). Some DTWs on the way to boosters are not included in the distributable water (E15).
E16: Unit production and a Francis (Tatal)/// Def	some DTWs on the way to busters are not thistated)*1000) butable Water Volume+DTW Water directly distributed)*1000) 0) = {1 - billed water / (distributable water production + DTW Water directly distributed) x 100 cognized by complaint / length of pipeline at the end of period / number of months covered
E17. NOW - (- Cited and)	0) = [1 - billed water / (distributable water production + DTW vater directly distributed)] x 100
E17. NRVV = (unbilled water / water produced x 1)	consized by complaint / length of pipeline at the end of pendo / humber of months covered
E30: This is the same of the Number of leakage in	ing with the chlorine standard.
EZU: This is the rate of satisfactory sample compl	ing with the microbiological standard.
E20: This is the rate of satisfactory sample compl E21: This is the rate of satisfactory sample compl E2: No. of ampletons and satisfactory sample compl	ing with the microbiological standard. ing with the microbiological standard. ber of permanent staff + non-permanent staff) / (total billable connections/1000) ber of permanent staff + non-permanent staff) / (total billable connections/1000) ber overtime. Thus this ratio is computed based on Class 3 and Class 4 workers' pay.
FZ: No. of employee per 1000 connections = (num	Der of Johns Thus this ratio is computed based on Class 3 and Class 4 workers pay.
174: Only staff workers (Class 3 and Class 4) rece	ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent starry / (total billable connections/1000) ber of permanent staff + non-permanent staff + non-p
The two assessed	
h.	Submitted by: Noted by:
Prepared by:	1
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Richard Nelson Penner (A.C.)

Executive Enginee: (A.C.)

Design Division

Chattogram WASA, Chattogram.