## CHATTOGRAM WATER SUPPLY AND SEWERAGE AUTHORITY



## MANAGEMENT INFORMATION SYSTEM REPORT JUNE-2022

## WASA BHABAN DAMPARA CHATTOGRAM, BANGLADESH

Phone: 880-31-2851806

Fax: 880-31-610465

Email: info@ctg-wasa.org.bd

## Chattogram Water Supply & Sewerage Authority Monthly MIS Report June 2022

			June 2022						
		Unit	This month	Year to date	Previous	This	Evaluation	ation Remarks *3	
					year	year	*2	++	
					actual	target *1		!	
	ed Key Indicators						Maria and di	at the last of	
E 17*	Non Revenue Water	%	33	30	25	20	-51%	!	
C 4*	Revenue collection efficiency(monthly coll.+outstand. Coll.)/month	%	145	93	100	90	61%	++	
D 9*	Collection period	Day	266	282	314	263	-7%		
F 2*	No. of perma. employee per 1000 connections(excl. non-perma. Em	Nos.	7.3	N/A	8.3	9.4	22%		
D 8*	Operating Ratio	Ratio	1.42	0.79	0.69	0.72	-9%		
A 3.5*	Functioning meter rate of installed meter	%	95	N/A	96	100	-5%		
E 19	Water quality sample	No./month	200	2,400	1,800	200	0%		
E 18*	Leakage occurrence	No./km/mth	0.25	0.38	0.43	0.50	23%		
A 6*	Water supply coverage	%	62	N/A	60	75	-17%		
B 5*	Average tariff	Tk/m3	14.82	14.28	13.73	14.73	1%		
E 16*	Unit production cost (in/c Capt. Cost, Deprec. & Financial Expense.		33.17	12.31	11.92	13.56	9%		
A) Conn	ection data	i didi:	视系统组织注重	禁 结果混《舞曲				Edward Control	
A 1	Total registered connections	Nos.	86,788	N/A	82,576	84,000	3%		
A 1.1	Billable (non-disconnected) connection	Nos.	81,005	N/A	76,849	78,000	4%		
A 1.2	Non-billable (disconnected) connection	Nos.	5,783	N/A	5,727	6000	4%		
A 1.3	Billed connection	Nos.	78,980	N/A	73,970	75,000	5%		
A 2	Breakdown of billable connection (by customer type)								
A 2.1*	Domestic	%	93	N/A	97	96	-3%		
A 2.2	Non-domestic	%	7	N/A	3	4	-73%	!	
A 3	Breakdown of billable connection (by meter status)								
A 3.1	Metered	Nos.	77,176	N/A	74,039	74,000	4%		
A 3.2	Average reading	Nos.	3,723	N/A	2,702	4,000	7%		
A 3.3	Non meter	Nos.	106	N/A	108	0	#DIV/0!	#DIV/0!	
A 3.4*	Meter installation rate	%	100	N/A	100	100	0%		
A 3.5*	Functioning meter rate of installed meter	%	95	N/A	96	100	-5%		
A 4	Street Hydrant	Nos.	689	N/A	689	689	0%		
A 5	Religious Institutions	Nos.	368	N/A	368	368	0%		
A 6*	Water supply coverage	%	62	N/A	60	75	-17%		
A 7	Bill sent-out ratio	%	98	N/A	96	100	-2%		

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		Unit	This month	Year to date	Previous year actual	This year target *1	Evaluation *2	Rem
B) Tariff	The second of th				aculul di successione	The second second	planter of the second	1
B 1	Domestic	Tk/m3	13.02	N/A	12.40	13.02	0%	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND
B 2	Non-domestic	Tk/m3	31.82	N/A	30.30	31.82	0%	
B 3	Street Hydrant	Tk/m3	13.02	N/A	12.40	13.02	0%	1
B 4	Religious Institutions	Tk/m3	13.02	N/A	12.40	13.02	0%	1
B 5*	Average tariff	Tk/m3	14.82	14.28	13.73	14.73	1%	
Company of the compan	and Collection						THE PERSON NAMED IN	
C 1	Total billing	Tk	143,573,031	1,646,498,206	1,423,705,665	1,806,119,000	-9%	
C 1.1*	Private	Tk	123,629,642	1,417,237,972	1,229,454,669	1,310,119,000	8%	
C 1.2*	Government	Tk	19,943,389	229,260,234	194,250,996	496,000,000	-54%	Ţ
C 2	Billed volume (Total Volume Accounted)	ML	9,685	115,273	103,690	122,640	-6%	1
C 3	Total collection	Tk	207,544,820	1,532,296,451	1,417,998,870	1,623,619,000	-6%	
C 3.1*	Private	Tk	173,726,591	1,385,932,394	1,245,465,366	1,365,119,000	2%	
C 3.2*	Government	Tk	33,818,229	146,364,057	172,533,504	258,500,000	-43%	1
C 4*	Revenue collection efficiency(monthly coll.+outstand. Coll.)/monthly bill.	%	145	93	100	90	61%	++
C 4.1*	Private	%	141	98	101	104	35%	++
C 4.2*	Government	%	170	64	89	52	225%	++
D) Finar	icial data							
D 1	Revenue (Total)	Tk	229,589,165	1,828,840,771	1,736,502,206	2,149,619,000	-15%	
D 1.1	Water revenue	Tk	207,544,820	1,532,296,451	1,417,998,870	1,623,619,000	-6%	
D 1.2*	Tubewell license	Tk	5,597,955	114,045,305	126,672,332	90,000,000	27%	++
D 1.3*	Other operating revenues	Tk	8,113,057	82,499,015	96,831,004	336,000,000	-75%	!
D 1.4*	Interest income	Tk	8,333,333	100,000,000	95,000,000	100,000,000	0%	
D 2	Expenses (Total)	Tk	478,438,501	2,032,959,163	1,653,696,147	2,078,403,000	2%	
D 2.1*	Personnel cost	Tk	43,638,251	426,879,163	422,685,147	528,784,000	19%	
D 2.2	Electricity cost	Tk	66,109,000	652,415,000	564,704,000	703,000,000	7%	
D 2.3	Chemicals	Tk	79,986,000	141,233,000	91,434,000	140,000,000	-1%	
D 2.4*	Depreciation	Tk	105,916,250	246,857,000	101,204,000	187,921,000	52%	++
D 2.5	Other operating cost	Tk	182,789,000	565,575,000	473,669,000	518,698,000	-9%	
D 2.5.1	Other O & M	Tk	135,854,000	220,317,000	111,358,000	185,908,000	-19%	
D 2.5.2	Capital cost from revenues	Tk	46,935,000	345,258,000	362,311,000	332,790,000	-4%	
D 2.6*	Financial expense	Tk	0	0	0	0	#DIV/0!	#DIV/0!
D 3	Net Income (Loss)	Tk	(248,849,336)	(204,118,392)	82,806,059	71,216,000	-387%	!
D 4*	Cash at bank	Tk	0	N/A	0	0	N/A	
D 5*	Stock & stores	Tk	0	0	0	0	N/A	
D 6	Accounts Receivable	Tk	1,271,740,973	N/A	1,223,432,356	1,223,432,356	-4%	
D 6.1*	Accounts receivable from Government	Tk	210,605,008	N/A	252,100,239	252,100,239	16%	
D 6.2*	Accounts receivable from Private	Tk	1,061,135,965	N/A	971,332,117	971,332,117	-9%	#DIV #01
D 7*	Long term loans	Tk	0	N/A	0	0	#DIV/0!	#DIV/0!
D 8*	Operating Ratio	Ratio	1.42	0.79	0.69	0.72	-9%	
D 9*	Collection period	Day	266	282	314	263	-7%	

Collection period

E) Water	r Supply Capacity of Surface WTP (Make)	Unit	This month	Year to date	Previous year actual	This year target *1	-2	Remarks *3
E 3	Capacity of Surface WTP (Mohora-Skill MTD 1 2						4225	W WINDSHIP WHEN THE PARTY
	Fasily of Glound WIP		466	N/A	323	323	44%	District of the last of the la
E 5	Deep Tube Wells in Operation	MLD	68	N/A	68	68	-1%	++
E 6*	Capacity of DTW - direct distribution	Nos.	47	N/A	60	44	7%	
E 7*	Capacity of DTW - supply to GWTP	MLD	48	N/A	59	40	19%	
E 8*	Capacity of distributable water and distributable water	MLD	0	N/A	0	0	#DIV/0!	401/101
	Capacity of distributable water production Length of Pipeline	MLD	581	N/A	449	430	35%	"DI 470:
50 3,5000	Length of Pipeline	km	962	N/A	770	1,037	-7%	++
	Production (distributable water)	ML	14,424.89	165,187	138,687	153,300	-7% 8%	
	- 111 water to users before poosters	ML	0	0	0	153,300	200 0000	
	Unit production cost (in/c Capt. Cost,Deprec. & Financial Expense.)	Tk/m3	33.17	12.31	11.92	13.56	N/A	
E 1/-	Non Revenue Water	%	33	30	25	13.56	9%	200
E 18*	Leakage occurrence	No./km/mth	1	0.38	0.43	Name and American	-51%	!
E 19	Water quality sample	No./month		2,400		0.50	23%	
E 20*	Satisfactory sample in chlorine level	%	100	100	1,800	200	0%	1
E 21*	Satisfactory sample in microbiological level	%	100	100	100	100	0%	1
F) Person	onnel	70			100	100	0%	
F 1	No. of permanent employees (Total)	Nos.	591	N/A				
F 1.1	Grade-3-9	Nos.	59	N/A N/A	635	732	19%	
F 1.2	Grade-10-11	Nos.	37	N/A N/A	57	60	N/A	++
F 1.3	Grade-12-16	Nos.	254		52	62	N/A	++
F 1.4	Grade-17-20	Nos.	254	N/A N/A	280	300	N/A	++
F 5	No. of non-permanent employees (Total)	Nos.	0	N/A	246	310	N/A	++
F 5.1	Work charge (6 month contract worker)	Nos.	0	N/A	0	0	#DIV/0!	#DIV/0!
F 5.2	Master roll (Daily basis casual worker) Outsource in	Nos.		N/A	0	0	N/A	++
F 5.3	Project staff (hired by project budget)	Nos. Nos.	0	N/A	0	200	N/A	++
	No. of perma. employee per 1000 connections(excl. non-perma. Empl.)	NOS.	50	N/A	41	50	N/A	++
	Average Monthly Salary	38860	7.3	N/A	8.3	9.4	22%	1
F 4*	% of Overtime to Basic Salary	Tk	18,802	N/A	18,807	19,960	6%	f
G) Custo	and the state of coast at the state of the s	% ====================================	1	N/A	10	32	98%	1 44
G 1	New Service Connection					32		- 正常ない
G 1.1	Service Connection Application Received				An art said Decide		Sele.	77
G 1.2	Service Connection Application Received Service Connection given	Nos.	457	5,296	5,137	1 2000	1294	Ĺ
0.0000.00	Billing complaints	Nos.	534	4,934	4,394	6,000	-12%	Ć
G 2.1		1			7,054	5,000	-1%	ı
G 2.1	Complaints received	Nos.	160	2,510	1 700	, J	1 ]	ı
2000	Complaints acted on	Nos.	120		1,798	4,500	44%	++
Gs,	Leakage complaints received and attended	Nos.	237	2,050	1,469	3,500	41%	++
	1		201	4,422	3,978	5,000	12%	/

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Notes					
N/A = not applicable (= pointless to calcula	te, or nonexistent)				
Some numbers may snow the same value i	in snite of different values wh	hich is due to rounding.			
this year target can be set according to	o (1) Rusiness Plan (2) Perfo	ormance Agreement (3) discus	sion with D M D (Engineering), ( sam	e or modified value of previous year)	
2 Evaluation is made on the basis of varia	ance from the set target. An e	evaluation result "X % " means.	that performance of particular indicat	for is X % better than what is set as the target.	
if the NRW is 24% and the target is 20%	this performance is consider	pred unfavorable. The evaluation	on result is shown as -20% ( = 1 - 24	/ 20).	
If the number of water quality sample is	recorded as 24 when the fare	not is set at 20, this performance	e can be considered favorable. The	evaluation result is shown as 20% ( = 24 / 20 - 1).	
3 A warning sign " ++ " appears when the	evolution as 24 when the targ	of which is someidered on the	eigh and threshold indicating "too go	nd"	
A warning sign "!" appears when the ev	evaluation result exceeds 25	2500 which is considered as the	- law and threshold indicating 100 got	nad"	
A2 1. If the total number of billable server	railuation result is less than -	25%, which is considered as th	e low-end threshold indicating very b	be 80% ( = 36000 (45000)	
A2.1. If the total number of billable connecti	ons is 45,000 and the number	er of domestic connections in bi	liable connections is 36,000, this will	DE 80 /6 ( - 30000 / 43000).	
A3.4: Meter installation rate = 1 - ( number	of non-meter connection / nu	imber of billable connection).		Description in Mater Cumply Aren *100	
A6*: Water Supply Coverage=(Billed Conne	action x 26 Person per Conne	ection + Total Street Hydrant x t	10 Person per Street Hydrant) / Total	Population in Water Supply Area 100.	
A7: Bill sent-out ratio = Billed connection / E	3illable connection x 100.				
B5: Average water tariff = total billing / total	billed volume				
C1.1: "Private" includes private customers	and users of loose water (solo	d by bowser)			
51.2: "Government" includes government u	isers, street hydrants and reli	igious institutions			
C3.1: Same as C1.1	10 100 <b>1</b> 00	•			
C3.2: Same as C1.2					
C4: Revenue collection efficiency = collection	on /billing x 100 CWASA's a	visting accounting system cannot	ot classify accounts receivable by and	<b>.</b>	
Therefore the revenue collection efficien	icy can be shown merely as f	total collection during a period	total billing during the same period)	•	
C4.1: Same as C4	cy can be shown merely as (	total collection during a period	total billing during the same periody.		
C4.2: Same as C4					
	lata surrently becomes availe	blo buido a vacar dua ba assasib	limitation of commutes conting		
C5: Metered volume to billed volume ratio of D1.2: "License and renewal fee of tubewell"	in "other energies availa	ible twice a year due to capacity	limitation of computer section.		
D1.3: Excludes "License and renewal fee of	in other operating revenue				
01.4: As the interest income is not obtained	tubeweii				
22.4. As the interest income is not obtained	le unul the year end, a proxy	value is used here so that the r	et income can be computed. The pro-	xy value is the previous year's monthly interest.	
D2.1: Includes salary & allowances, provide	nt fund, gratuity, festival boni	us, overtime and earn leave end	ashment		
D2.4: Data is only available quarterly instead	d of monthly. The cost of the	latest three month is converted	to a monthly average and shown in the	ie monthly data column.	
D2.6: Data is only available quarterly instead	d of monthly. The cost of the	latest three month is converted	to a monthly average and shown in the	ie monthly data column.	
04: Under the current system, this value is	not obtainable until the year e	end. However it is expected to be	ecome obtainable monthly in the futur	e.	
D5: Under the current system, this value is i	not obtainable until the year e	end. However it is expected to be	ecome obtainable monthly in the futur	e.	
D6.1: Same as C1.1					
D6.2: Same as C1.2					
D7: Long term liabilities outstanding as unpa	aid at the end of month				
08: To see more clearly the CWASA capaci	ty to generate the operating r	profit before depreciation and in	terest.		
the operating ratio is defined as (personn	el cost + elec. cost + chemic	al cost + other O & M) / (total R	evenues).		
09: Collection period = (accounts receivable					
6: Production capacity of deep tube wells to					
7: Production capacity of deep tube wells to					
15: Distributable water (or system input wa			Ground MTP + Water directly distrib	usted from DTM	
15.1: Raw water distributed directly to user	s from some DTMs on the w	av to boosters are not included	in the distributable water (F45)	uted from DTW	
16: Unit production cost =Expenses(Total)					
10. Unit production cost -Expenses( rotal)	((DStributable vvater volume	/distribute	0) 1000)		
17: NRW = (unbilled water / water produce	a x 100) = [ 1 - billed water /	(distributable water production	+ DTW Water directly distributed ) 1 x	100	
18: Leakage occurrence = Number of leakage			f period / number of months covered		
20: This is the rate of satisfactory sample of					
21: This is the rate of satisfactory sample of	omplying with the microbiolog	gical standard.			
2: No. of employee per 1000 connections =	(number of permanent staff	+ non-permanent staff) / (total t	pillable connections/1000)		
4: Only staff workers (Class 3 and Class 4)	receive overtime. Thus this r	ratio is computed based on Clas	ss 3 and Class 4 workers' pay.		
			, 4.	*	
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Prepared by:		Submitted by:	Noted by:	11/1/	-
			Total by.	Mile	
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(Richard Nelson Penheiro)
Executive Engineer (A.C)
Design Division
Change WASA Changer

মোহাম্মদ আরিফুল ইসলাম তত্ত্বাবধায়ক প্রকৌশলী (পরিকস্কন ে নির্মান সার্কেল) নাজাত্র ওয়াসা। উপঃ বাবঃ পারিঃ (একৌর) চাবাম ক্যাসা, ক্ষরাম, ১

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