CHATTOGRAM WATER SUPPLY AND SEWERAGE AUTHORITY



MANAGEMENT INFORMATION SYSTEM REPORT FOR THE MONTH OF AUGUST-2023

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

August 2023									
		Unit	This month	Year to date	Previous year actual	This year target *1	Evaluation *2	Remarks * ++ !	Too goo Very bac
	ed Key Indicators	a de la company							
E 17*	Non Revenue Water	%	32	34	31	28	-20%		
C 4*	Revenue collection efficiency(monthly coll.+outstand. Coll.)/month-	%	87	96	87	116	-25%	!	
D 9*	Collection period	Day	239	236	235	200	-18%		
F 2*	No. of perma. employee per 1000 connections(excl. non-perma. Em		6.4	N/A	6.4	7.1	11%		
D 8*	Operating Ratio	Ratio	0.66	0.70	0.66	0.57	-23%		
A 3.5*	Functioning meter rate of installed meter	%	91	N/A	92	100	-9%		
E.19	Water quality sample	No./month	240	480	2,400	2,880	-92%	!	
E 18*		No./km/mth	VII. 100.000000	0.21	0.35	1.81	89%	++	
A 6*	Water supply coverage	%	63	N/A	64	75	-16%		
B 5*	Average tariff	Tk/m3	18.86	18.84	18.14	17.45	8%		
E 16*	Unit production cost (in/c Capt. Cost, Deprec. & Financial Expense.	Tk/m3	16.72	17.64	18.71	19.50	10%		
A) Con	nection data				亲 。22年16年1	(基)		£.	
A 1	Total registered connections	Nos.	92,850	N/A	92,327	97,127	-4%	,	. The designation of
A 1.1	Billable (non-disconnected) connection	Nos.	86,875	N/A	86,395	91,195	-5%		
A 1.2	Non-billable (disconnected) connection	Nos.	5,975	N/A	5,932	5932	-1%		
A 1.3	Billed connection	Nos.	84,249	N/A	83,698	88,270	-5%		
A 2	Breakdown of billable connection (by customer type)								
A 2.1	Domestic	%	93	N/A	93	92	1%		
A 2.2	Non-domestic	%	7	N/A	7	8	12%		
A 3	Breakdown of billable connection (by meter status)						1.270		
A 3.1	Metered	Nos.	79,139	N/A	78,966	83,092	-5%		
A 3.2	Average reading	Nos.	7,634	N/A	7,326	8,000	5%		
A 3.3	Non meter	Nos.	102	N/A	103	103	1%		
A 3.4	The state of the s	%	100	N/A	100	100	0%		
A 3.5	 Functioning meter rate of installed meter 	%	91	N/A	92	100	-9%		
A 4	Street Hydrant	Nos.	689	N/A	689	689			
A 5	Religious Institutions	Nos.	368	N/A	368	317	0%		
A 6*	Water supply coverage	%	63	N/A	64	75	16%		
A 7	Bill sent-out ratio	%	97	N/A	97	100	-16% -3%		

		Unit	This month	Year to date	Previous year actual	This	Evaluatio	n Remarks *3
				THE RESERVE STREET		year	-2	! Very
						target *1		
) Tariff			17 - 17 17 1			10.00	-5%	
1	Domestic	Tk/m3	18.00	N/A	18.00	18.90	-5%	
2	Non-domestic	Tk/m3	37.00	N/A	37.00	38.85	-5%	
3	Street Hydrant	Tk/m3	18.00	N/A	18.00	18.90	1	
4	Religious Institutions	Tk/m3	18.00	N/A	18.00	18.90	-5%	
5*	Average tariff	Tk/m3	18.86	18.84	18.14	17.45	8%	
) Billing	and Collection	Tiditio	10.00	J. J. L. S. S. S. S.				
1	Total billing	Tk	189,947,402	377,350,412	2,155,873,661	2,292,809,481	-1%	
1.1*	Private	Tk	167,994,191	333,592,802	1,888,365,971	1,948,888,059	3%	
1.2*	Government	Tk	21,953,211	43,757,610	267,507,690	343,921,422	-24%	
2	Billed volume (Total Volume Accounted)	ML	10,069	20,029	118,868	131,400	-9%	
3	Total collection	Tk	165,459,098	363,174,086	1,878,166,418	2,664,792,000	-18%	
3.1*	Private	Tk	155,842,206	346,859,617	1,738,727,636	2,345,016,960	-11%	
3.2*	Government	T.k	9,616,892	16,314,469	139,438,782	319,775,040	-69%	!!
			87	96	87	116	-25%	!
4*	Revenue collection efficiency(monthly coll.+outstand, Coll.)/monthly bill. Private	%	93	104	92	120	-23%	
4.1*		%	44	37	52	93	-53%	1
4.2*	Government	/0						
	cial data	Tk	184,404,468	402,893,348	2,203,110,954	3,025,592,000	-20%	3.55 24
1	Revenue (Total)	Tk .	165,459,098	363,174,086	1,878.166,418	2,664,792,000	-18%	
1.1	Water revenue	T _k	3,050,794	7,309,839	125,253,767	100,000,000	-56%	1
1.2*	Tubewell license	Tk	8,394,576	17,409,423	99,690,769	170,800,000	-39%	1 1
1.3*	Other operating revenues	Tk '.	7,500,000	15,000,000	100,000,000	90,000,000	0%	
1.4*	Interest income	Tk .	246,333,195	531,511,200	3,224,457,367	3,559,449,000	10%	
2	Expenses (Total)	Tk	40,760,195	72,520,200	442,684,994	602,585,000	28%	++
2.1*	Personnel cost		74,652,000	162,506,000	762,236,000	760,000,000	-28%	;
2.2	Electricity cost	Tk	120,000	120,000	111,276,000	140,000,000	99%	++
2.3	Chemicals	Tk .	The second secon		1000	l I	0%	1 1
2.4*	Depreciation	Tk	125,000,000	250,000,000	1,471,943,373	1,500,000,000	50%	
2.5	Other operating cost	Tk	5,801,000	46,365,000	436,317,000	556,864,000		++
2.5.1		Tk '	5,782,000	46,337,000	148,795,000	214,144,000	-30%	!
2.5.2		Tk	19,000	28,000	287,522,000	342,720,000	100%	++
2.6*	Financial expense	Tk	0	0	0	0	#DIV/0!	#DIV/0!
3	Net Income (Loss)	Tk	(61,928,727)	(128,617,852)	(1,021,346,413)	(533,857,000)	45%	++
4*	Cash at bank	Tk	0	N/A	0	0	N/A	
5*	Stock & stores	Tk .	. 0	0	0	0	N/A	
6		Tk	1,464,785,430	N/A	1,386,963,271	1,386,963,271	-6%	
6.1*	Accounts Receivable Accounts receivable from Government	Tk	265,423,066	N/A	228,472,232	228,472,232	-16%	
6.2*	Accounts receivable from Private	Tk -	1,199,362,364	N/A	1,158,491,039	1,158,491,039	-4%	
7*		Tk	0	0	303,047,050	212,160,000	100%	++
) 8*	Long term loans	Ratio	0.66	0.70	0.66	0.57	-23%	
D 9*	Operating Ratio	Day	239	236	235	200	-18%	
7 A.	Collection period							



		Unit	This month	Year to date	Previous	This	Evaluation	Remarks *:	3
					year	year	*2	++	Too go
	Supply				actual	target *1		!	Very b
3	Capacity of Surface WTP (Mohora+Sk.H.WTP-1+Sk.H.WTP-2+SI	Page 1							
4	Capacity of Ground WTP	The same same	466	N/A	466	490	-5%		
5	Deep Tube Wells in Operation	MLD	68	N/A	68	68	0%	1	
6*	Capacity of DTW - direct distribution	Nos.	43	N/A	48	47	-9%		
7*	Capacity of DTW - supply to GWTP	MLD	33	N/A	35	48	-31%	!	
8*	Capacity of distributable	MLD	0	N/A	0	0	#DIV/0!	#DIV/0!	
9	Capacity of distributable water production	MLD	566	N/A	569	605	-6%	100000000000000000000000000000000000000	
	Length of Pipeline	km	962	N/A	962	992	-3%		
15*	Production (distributable water)	ML	14,731.29	30,134	172,320	182.500	-1%		
16*	DTW water to users before boosters	ML	0	0	0	0	N/A		
	Unit production cost (in/c Capt. Cost, Deprec. & Financial Expense.)	Tk/m3	16.72	17.64	18.71	19.50	10%		
17*	Non Revenue Water	%	32	34	31	28	-20%		
18*	Leakage occurrence	No./km/mth	0.17	0.21	0.35	1.81	89%	++	
19	Water quality sample	No./month	240	480	2,400	2,880	-92%	1	
20*	Satisfactory sample in chlorine level	%	100	100	100	100	0%	!	
21*	Satisfactory sample in microbiological level	%	100	100	100	100	0%		
) Pers	onnel							1842.3.1.12° 42.1.11	
- 1	No. of permanent employees (Total)	Nos.	552	N/A	554	650	15%		
1.1	Grade-3-9	Nos.	55	N/A	54	60			
1.2	Grade-10-11	Nos.	36	N/A	36	62	N/A	++	
1.3	Grade-12-16	Nos.	226	N/A	229	260	N/A	++	
1.4	Grade-17-20	Nos.	235	N/A	235	268	N/A	++	
5	No. of non-permanent employees (Total)	Nos.	0	N/A	0		N/A	++	
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.	ō	N/A	0	0	N/A	++	
F 5.3	Project staff (hired by project budget)	Nos.	50	N/A	50	300	N/A	++	
- 2*	No. of perma. employee per 1000 connections(excl. non-perma. Empl.)	Nos.	6.4	N/A	6.4	50	N/A	++	
F 3	Average Monthly Salary	Tk	31,100	N/A		7.1	11%		
F 4*	% of Overtime to Basic Salary	%	27	N/A	19,364	31,195	0%		
G) Cus	tomer Services			IN/A	14	32	17%		
G 1	New Service Connection						2.5		
G 1.1	Service Connection Application Received	Nos.	419	000	5 202			**************************************	ester services
G 1.2	Service Connection given	Nos.	533	836	5,202	5,000	0%		
G 2	Billing complaints	1403.	555	1,020	4,769	4,000	53%	++	
G 2.1	Complaints received	Nos.	170	270	2 200				
G 2.2	Complaints acted on	Nos.	150	370	2,300	2,700	18%		
G 3	Leakage complaints received and attended	Nos.	160	320	1,819	2,200	13%		
	and altohood	7 1103.	100	399	4,078	1,800	-33%		



IN/A = not applicable (= pointless to calculate, or nonexistent) Some numbers may show the same value in spite of different values, which is due to rounding. 11 "this year target" can be set according to (1) Business Plan. (2) Performance Agreement, (3) discussion with D.M.D. (Engineering), (same or modified value of previous year) 2. Evaluation is made on the basis of variance from the set target. An evaluation result "X %" means that performance of particular indicator is X % better than what is set as the target. If the NRW is 24% and the target is 20%, this performance is considered unfavorable. The evaluation result is shown as -20% (= 1 - 24 / 20). If the number of water quality sample is recorded as 24 when the target is set at 20, this performance can be considered favorable. The evaluation result is shown as 20% (= 24 / 20 - 1). 3: A warning sign " -- " appears when the evaluation result exceeds 25%, which is considered as the high-end threshold indicating "too good". A warning sign." ! " appears when the evaluation result is less than - 25%, which is considered as the low-end threshold indicating "very bad". A2.1. If the total number of billable connections is 45.000 and the number of domestic connections in billable connections is 36,000, this will be 80% (= 36000 / 45000). A3.4: Meter installation rate = 1 - (number of non-meter connection / number of billable connection). A6* Water Supply Coverage=(Billed Connection x 26 Person per Connection + Total Street Hydrant x 80 Person per Street Hydrant) / Total Population in Water Supply Area *100. A7: Bill sent-out ratio = Billed connection / Billable connection x 100 B5: Average water tariff = total billing / total billed volume IC1 1: "Private" includes private customers and users of loose water (sold by bowser) C1.2: "Government" includes government users, street hydrants and religious institutions C3.1: Same as C1.1. C3.2: Same as C1 2 C4: Revenue collection efficiency = collection /billing x 100. CWASA's existing accounting system cannot classify accounts receivable by age. Therefore the revenue collection efficiency can be shown merely as (total collection during a period + total billing during the same period). C4 1: Same as C4. C4.2: Same as C4 C5: Metered volume to billed volume ratio data currently becomes available twice a year due to capacity limitation of computer section. D1.2: "License and renewal fee of tubewell" in "other operating revenue" D1.3. Excludes "License and renewal fee of tubewell 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 & aflowances, provident fund, gratuity, festival bonus, overtime and earn leave encashment D2.4: Data is only available quarterly instead of monthly. The cost of the latest three month is converted to a monthly average and shown in the monthly data column. D2.6: Data is only available quarterly instead of monthly. The cost of the latest three month is converted to a monthly average and shown in the monthly data column. D4: Under the current system, this value is not obtainable until the year end. However it is expected to become obtainable monthly in the future. D5: Under the current system, this value is not obtainable until the year end. However it is expected to become obtainable monthly in the future. D6.2: Same as C1.2 D6.1: Same as C1.1. 27: Long term liabilities outstanding as unpaid at the end of month D8: To see more clearly the CWASA capacity to generate the operating profit before depreciation and interest, the operating ratio is defined as (personnel cost + elec. cost + chemical cost + other O & M) / (total Revenues). D9: Collection period = (accounts receivable) / (monthly billings/number of days in month) E6: Production capacity of deep tube wells that supply water directly to users E7: Production capacity of deep tube wells that supply water to Karulgaht WTP E15: Distributable water (or system input water) = Water produced at Surface WTP + Water produced at Ground WTP + Water directly distributed from DTW E15.1: Raw water distributed directly to users from some DTWs on the way to boosters are not included in the distributable water (E15) E16: Unit production cost =Expenses(Total)/((Dstributable Water Volume+DTW Water directly distributed)*1000) E17: NRW = (unbilled water / water produced x 100) = [1 - billed water / (distributable water production + DTW Water directly distributed) 1 x 100 E18: Leakage occurrence = Number of leakage recognized by complaint / length of pipeline at the end of period / number of months covered E20: This is the rate of satisfactory sample complying with the chlorine standard. E21: This is the rate of satisfactory sample complying with the microbiological standard. F2: No. of employee per 1000 connections = (number of permanent staff + non-permanent staff) / (total billable connections/1000) 154: Only staff workers (Class 3 and Class 4) receive overtime. Thus this ratio is computed based on Class 3 and Class 4 workers' pay.

SAE

62.0.23 AE

(Richard Nelson Penheiro) Executive Engineer (A.C.) Design Division Chattogram WASA Chattogram. 2 11 2023 SE (F8C) oct is pure

DMD (E)