CHATTOGRAM WATER SUPPLY AND SEWERAGE AUTHORITY



## MANAGEMENT INFORMATION SYSTEM REPORT FOR THE MONTH OF JUNE-2021

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## Chattogram Water Supply & Sewerage Authority Monthly MIS Report

June 2021

			June 2021					
		Unit	This month	Year to date	Previous	This	Evaluation	Remarks *3
					year	year	*2	++ Too goo
Select	ed Key Indicators	B. Maria Property Control of the Con			actual	target *1		! Very bar
E 17*	ed Key Indicators  Non Revenue Water	· Sammer				T-115 125		
C 4*		%	30	25	28	25	-1%	
D 9*	Revenue collection efficiency(monthly coll.+outstand. Coll.)/month Collection period	1	145	100	83	108	34%	++
F 2*		Day	271	314	324	263	-19%	
D 8*	No. of perma, employee per 1000 connections(excl. non-perma. En Operating Ratio		8.3	N/A	9.1	10.0	17%	
A 3.5*	A CONTRACTOR OF THE PROPERTY O	Ratio	0.74	0.69	0.86	0.98	30%	++
E 19	Functioning meter rate of installed meter Water quality sample	%	96	N/A	87	100	-4%	
E 18*	Leakage openiments	No./month	150	1,800	1,200	150	0%	
A 6*		No./km/mth	0.35	0.43	0.43	0.50	14%	
B 5*	Water supply coverage Average tariff	%	60	N/A	57	75	-21%	
E 16*		Tk/m3	13.98	13.73	12.97	12.63	11%	
	Unit production cost (in/c Capt. Cost, Deprec. & Financial Expense.		14.65	11.92	10.55	13.44	11%	
<b>А</b> 1	ection data				<b>非意深</b> 。			
A 1.1	Total registered connections	Nos.	82,576	N/A	77,794	82,000	1%	120 C C THE R. S. COMMISSION NAME.
A 1.2	Billable (non-disconnected) connection	Nos.	76,849	N/A	72,163	76,000	1%	
A 1.3	Non-billable (disconnected) connection	Nos.	5,727	N/A	5,631	6000	5%	
	Billed connection	Nos.	73,970	N/A	69,370	73,000	1%	
4 2	Breakdown of billable connection (by customer type)							
A 2.1*	Domestic	%	97	N/A	97	96	1%	
A 2.2	Non-domestic	%	3	N/A	3	4	36%	++
A 3	Breakdown of billable connection (by meter status)						1 50%	• •
A 3.1	Metered	Nos.	74,039	N/A	62,294	66,000	12%	
A 3.2	Average reading	Nos.	2,702	N/A	9,603	10,000	73%	
A 3.3	Non meter	Nos.	108	N/A	266	0	#DIV/0!	++
A 3.4*	Meter installation rate	%	100	N/A	100	100	0%	#DIV/0!
A 3.5*	Functioning meter rate of installed meter	%	96	N/A	87	100	Anna anna	
A 4	Street Hydrant	Nos.	689	N/A	689	689	-4%	
A 5	Religious Institutions	Nos.	368	N/A	368	368	0%	
A 6*	Water supply coverage	%	60	N/A	57	75	0%	
A 7	Bill sent-out ratio	%	<b>9</b> 6	N/A	96	100	-21%	
						.00	4%	1





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1		Unit	This month	Year to date	Previous	This	Evaluation	Remarks *3
				rear to date	year	year	*2	++ Too good
B) 12		The state of the s	A CHARLEST PROPERTY.		actual	target *1		Very bad
B 1	Domestic Non-domestic	Tk/m2				to the state of th	100 mm 100 mm	Marie Coll
B 2		Tk/m3 Tk/m3	12.40	N/A	12.40	13.02	-5%	The state of the s
B 3	Street Hydrant	Tk/m3	30.30	N/A	30.30	31.82	-5%	
B 4	Religious Institutions	Tk/m3	12.40	N/A	12.40	13.02	-5%	
B 5*	Average tariff	Tk/m3	12.40	N/A	12.40	13.02	-5%	8
	mend Colection	1999.00	13.98	13.73	12.97	12.63	11%	
C 1	Total billing	Tk	T. J. 12 1915 1955				56.	
C 1.1*		Tk	135,454,753	1,423,705,665	1,199,365,227	1,572,449,000	-9%	
C 1.2*		Tk	114,307,306	1,229,454,669	1,022,107,233	1,140,313,000	8%	
C 2	Billed volume (Total Volume Accounted)	ML	21,147,447	194,250,996	177,257,994	432,136,000	-55%	!
C 3	Total collection	Tk	9,688	103,690	92,471	124,480	-17%	
C 3.1*	Private	Tk	195,843,204	1,417,998,870	999,9 <b>36,5</b> 76	1,700,275,000	-17%	
C 3.2*	Government	771.	165,199,420	1,245,465,366	904,252,954	1,429,446,000	-13%	
C 4*	Revenue collection efficiency(monthly coll.+outstand. Coll.)/monthly bill.	%	30,643,784	172,533,504	95,683,622	270,829,000	-36%	!
C 4.1*	Private	%	145	100	83	108	34%	++
C 4.2*	Government	%	145	101	88	125	15%	
Delana	ealdas seed of the		145	89	54	63	131%	++
D 1	Revenue (Total)	Tk	219,464,150	1 726 502 206	4 2 4 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		***	
D 1.1	Water revenue	Tk	195,843,204	1,736,502,206	1,247,632,906	2,237,451,000	-22%	
D 1.2*	Tubewell license	Tk	7,098,496	1,417,998,870 126,672,332	999,936,576	1,700,275,000	-17%	
0 1.3*	Other operating revenues	Tk	8,605,783	96,831,004	88,080,389	90,000,000	41%	++
1.4*	Interest income	Tk	7,916,667	95,000,000	64,615,941 95,000,000	352,176,000	-73%	į
2	Expenses (Total)	Tk	203,900,382	1,653,696,147	1,357,711,024	95,000,000	0%	
2.1*	Personnel cost	Tk	29,202,382	422,685,147	421,236,024	2,230,253,000 512,607,000	26%	++
2.2	Electricity cost	Tk	79,865,000	564,704,000	493,984,000	100000000000000000000000000000000000000	18%	
2.3	Chemicals	Tk	20,517,000	91,434,000	67,887,000	703,000,000	20%	
2.4*	A SECTION AND A SECTION AND A SECTION AND A SECTION ASSESSMENT ASS	Tk	25,301,000	101,204,000	90,200,000	101,204,000	35% 87%	++
	Depreciation Office and the second of the se	Tk	49,015,000	473,669,000	284,404,000	773,442,000	39%	++
	Other operating cost	Tk	33,742,000	111,358,000	91,126,000	143,702,000	23%	77
2.5.1	Other O & M	Tk	15,273,000	362,311,000	193,278,000	629,740,000	42%	++
2.5.2	Capital cost from revenues	Tk	0	0	0	029,740,000	#DIV/0!	#DIV/0!
2.6*	Financial expense		15,563,768	82,806,059	(110,078,118)	7,198,000	1050%	#51070
3	Net Income (Loss)	Tk		70 907 0 • 000 0 000 0 000 0 000 0 000 0 000 0 000 0	1016	7,196,000	N/A	***
4*	Cash at bank	Tk	0	N/A	0	0	N/A	
5*	Stock & stores	Tk	0	0	0	1,065,256,836	-15%	
6	Accounts Receivable	Tk	1,223,432,356	N/A	1,065,256,836	211,109,539	-19%	
6.1*	Accounts receivable from Government	Tk	252,100,239	N/A	211,109,539		-14%	
6.2*	Accounts receivable from Private	Tk	971,332,117	N/A	854,147,297	854,147,297	#DIV/0!	#DIV/0!
7*	Long term loans	Τk	0	N/A	0	0	30%	++
8*		Ratio	0.74	0.69	0.86	0.98	-19%	
	Operating Ratio Collection period	Day	271	314	324	263	-13/0	

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E 4 Capacity of Ground WTP E 5 Deep Tube Wells in Oper E 6* Capacity of DTW - direct E 7* Capacity of DTW - supply E 8* Capacity of distributable v E 9 Length of Pipeline E 15* Production (distributable v E 15.1* DTW water to users before	ration distribution y to GWTP water production  water) re boosters :: Cost,Deprec. & Financial Expense.)	MLD MLD MLD MLD MLD MLD MLD MLD KM ML Tk/m3	This month  323 68 60 59 0 449 770 13,916.97 0 14,65	Year to date  N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	Previous year actual  323 68 42 38 0 428 770 128,662	year target *1	Evaluation F *2  0% -1% 36% 47% #DIV/0! 4% -16%	Remarks *3 ++ Too good ! Very bad  ++ ++ ++ #DIV/0!
E 3 Capacity of Surface WTP E 4 Capacity of Ground WTP E 5 Deep Tube Wells in Oper E 6* Capacity of DTW - direct E 7* Capacity of DTW - supply E 8* Capacity of distributable of the supply E 9 Length of Pipeline E 15* Production (distributable of the supply) E 15.1* DTW water to users before E 16* Unit production cost (in/c Capt) E 17* Non Revenue Water	Mohora+Sk.H.WTP+Moduna Gheration distribution to GWTP water production water) re boosters Cost,Deprec. & Financial Expense.)	MLD MLD Nos. MLD MLD MLD MLD MLD KM ML ML ML Tk/m3	323 68 60 59 0 449 770 13,916.97	N/A N/A N/A N/A N/A N/A N/A 138,687	actual 323 68 42 38 0 428 770 128,662	target *1 323 68 44 40 0 430 920	0% -1% 36% 47% #DIV/0! 4% -16%	Very bad +++ ++
E 3 Capacity of Surface WTP E 4 Capacity of Ground WTP E 5 Deep Tube Wells in Oper E 6* Capacity of DTW - direct E 7* Capacity of DTW - supply E 8* Capacity of distributable of the supply E 9 Length of Pipeline E 15* Production (distributable of the supply) E 15.1* DTW water to users before E 16* Unit production cost (in/c Capt) E 17* Non Revenue Water	Mohora+Sk.H.WTP+Moduna Gheration distribution to GWTP water production water) re boosters Cost,Deprec. & Financial Expense.)	MLD MLD Nos. MLD MLD MLD MLD MLD KM ML ML ML Tk/m3	323 68 60 59 0 449 770 13,916.97	N/A N/A N/A N/A N/A N/A N/A 138,687	323 68 42 38 0 428 770 128,662	323 68 44 40 0 430 920	0% -1% 36% 47% #DIV/0! 4% -16%	++
E 4 Capacity of Ground WTP E 5 Deep Tube Wells in Oper E 6* Capacity of DTW - direct E 7* Capacity of DTW - supply E 8* Capacity of distributable v E 9 Length of Pipeline E 15* Production (distributable v E 15.1* DTW water to users before E 16* Unit production cost (in/c Capt E 17* Non Revenue Water	ration distribution / to GWTP water production water) re boosters :. Cost,Deprec. & Financial Expense.)	MLD MLD Nos. MLD MLD MLD MLD MLD KM ML ML ML Tk/m3	323 68 60 59 0 449 770 13,916.97	N/A N/A N/A N/A N/A N/A N/A 138,687	323 68 42 38 0 428 770 128,662	323 68 44 40 0 430 920	0% -1% 36% 47% #DIV/0! 4% -16%	++
E 5 Deep Tube Wells in Oper E 6* Capacity of DTW - direct E 7* Capacity of DTW - supply E 8* Capacity of distributable of the second of the se	ration distribution y to GWTP water production  water) re boosters :: Cost,Deprec. & Financial Expense.)	Nos. MLD MLD MLD km ML ML Tk/m3	60 59 0 449 770 13,916.97	N/A N/A N/A N/A N/A N/A 138,687	68 42 38 0 428 770 128,662	68 44 40 0 430 920	-1% 36% 47% #DIV/0! 4% -16%	++
E 6* Capacity of DTW - direct E 7* Capacity of DTW - supply E 8* Capacity of distributable of E 9 Length of Pipeline E 15* Production (distributable of E 15.1* DTW water to users before E 16* Unit production cost (in/c Capt E 17* Non Revenue Water	distribution  / to GWTP  water production  water)  re boosters  : Cost,Deprec. & Financial Expense.)	MLD MLD MLD km ML ML Tk/m3	59 0 449 770 13,916.97 0	N/A N/A N/A N/A N/A 138,687	42 38 0 428 770 128,662	44 40 0 430 920	36% 47% #DIV/0! 4% -16%	++
E 7* Capacity of DTW - supply E 8* Capacity of distributable v E 9 Length of Pipeline E 15* Production (distributable v E 15.1* DTW water to users before the control of th	y to GWTP water production water) re boosters :. Cost,Deprec. & Financial Expense.)	MLD MLD km ML ML Tk/m3	0 <b>44</b> 9 770 13,916.97 0	N/A N/A N/A N/A 138,687	38 0 428 770 128,662	40 0 430 920	47% #DIV/0! 4% -16%	++
E 8* Capacity of distributable v E 9 Length of Pipeline E 15* Production (distributable v E 15.1* DTW water to users befo E 16* Unit production cost (in/c Capt E 17* Non Revenue Water	water production water) re boosters : Cost,Deprec. & Financial Expense.)	MLD km ML ML Tk/m3	0 <b>44</b> 9 770 13,916.97 0	N/A N/A 138,687	0 <b>4</b> 28 770 128,662	0 430 920	#DIV/0! 4% -16%	
E 9 Length of Pipeline E 15* Production (distributable of the state of	water) re boosters : Cost,Deprec. & Financial Expense.)	km ML ML Tk/m3	770 13,916.97 0	N/A N/A 138,687	<b>4</b> 28 770 128,662	<b>43</b> 0 920	4% -16%	
E 15* Production (distributable of E 15.1* DTW water to users before 16* Unit production cost (in/c Capt E 17* Non Revenue Water	re boosters : Cost,Deprec. & Financial Expense.)	ML ML Tk/m3	13,916.97 0	N/A 138,687	770 128,662	920	-16%	
E 15.1* DTW water to users before 16* Unit production cost (in/c Capt E 17* Non Revenue Water	re boosters : Cost,Deprec. & Financial Expense.)	ML Tk/m3	0	138,687	128,662		L	1
E 16* Unit production cost (in/c Capt E 17* Non Revenue Water	: Cost,Deprec. & Financial Expense.)	Tk/m3	0			100,0.0		1
E 17* Non Revenue Water		1	14 65		0 1	0	N/A	
		0/,		11.92	10.55	13.44	11%	
E 18* Leakage occurrence		/0	30	25	28	25	-1%	
		No./km/mth	0.35	0.43	0.43	0.50	14%	
E 19 Water quality sample		No./month	150	1,800	1,200	150	0%	
E 20* Satisfactory sample in ch	forine level	%	100	100	100	100	0%	
E 21* Satisfactory sample in mi		%	100	100	100	100	0%	
F) Personnel 3								L. The
F 1 No. of permanent employ	rees (Total)	Nos.	635	N/A	658	730	13%	
F 1.1 Grade-3-9		Nos.	57	N/A	57	70	N/A	++
F 1.2 Grade-10-11		Nos.	52	N/A	55	60	N/A	++
F 1.3 Grade-12-16		Nos.	280	N/A	291	315	N/A	++
F 1.4 Grade-17-20		Nos.	246	N/A	255	285	N/A	++
F 5 No. of non-permanent em	ployees (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)	Nos.	0	N/A	0	0	N/A	++
F 5.3 Project staff (hired by p	project budget)	Nos.	41	N/A	32	170	N/A	++
F 2* No. of perma. employee per 10	000 connections(excl. non-perma. Empl.)	Nos.	8.3	N/A	9.1	10.0	17%	
F 3 Average Monthly Salary		Tk	18,807	N/A	17,366	19,960	6%	
F 4* % of Overtime to Basic S	alary	%	10	N/A	15	32	68%	++
Gestone - Comment		22 246		145	1 1	A CONTRACT	18	
G 1 New Service Connection	在一种,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,他们就是一个人,他们就是一个人,他们就是一个人,他们就是一个人,他们就是一个人,他们就是 	Trouse of Street Marie	manufaction of the second of	Control of the Contro			A CONTRACTOR PROSE	
G 1.1 Service Connection Ap	polication Received	Nos.	363	5,137	4,305	6,000	-14%	
G 1.2 Service Connection give		Nos.	365	4,394	3,745	5,000	-12%	
G 2 Billing complaints				1				
G 2.1 Complaints received		Nos.	120	1,798	2,115	4,500	60%	++
G 2.1 Complaints received		Nos.	90	1,469	1,854	3,500	58%	++
G 3 Leakage complaints recei	ived and attended	Nos.	272	3,978	3,993	5,000	20%	

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Notes:

N/A = not applicable (= pointless to calculate, or nonexistent) N/A = not applicable (= pointiess to calculate, or nonexistent)

Some numbers may show the same value in spite of different values, which is due to rounding. Some numbers may show the same value in spite of different values, which is due to rounding.

1: "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). \*1: "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. It Evaluation is made on the basis of salitative from the set target. An evaluation result "X % " means that performance of particular indicator is ) 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 NRW is 24% and the target is active, 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). If the number of water quains solved as 24 when the target is set at 20, this performance can be considered favorable. The evaluation result exceeds 25%, which is considered as the high-end threshold indicating "too good". 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 "too good". A warning sign " I " 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). A3.4: Meter installation rate = 1 - { Inditional Of Final Population | Number of billable connection | Number of billable conn A6": Water Supply Country (A7: Bill sent-out ratio = Billed connection / Billable connection x 100. B5: Average water tariff = total billing / total billed volume B5: Average water tailing total customers and users of loose water (sold by bowser) C1.1: "Private includes private products of rouse water (sold by bowser) iC1.2: "Government" includes government users, street hydrants and religious institutions C3.2: Same as C1.2 |C3.2: Same as U1.2 |C4: Revenue collection efficiency = collection /billing x 100. CWASA's existing accounting system cannot classify accounts receivable by age. 4: Revenue collection efficiency can be shown merely as (total collection during a period ÷ total billing during the same period). 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. D2.4: 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 D7: 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)] x 100

Prepared by:

Noted by:

Noted by:

Design Division, Chattegram.

Prepared by:

Design Division, Chattegram.

Noted based on Class 3 and Class 4 workers' pay.

Submitted based on Class 3 and Class 4 workers' pay.

Noted by:

Domb (E)

Domb (E)

Domb (E)

Domb (E)

Chattegram.

Design Division, Chattegram.

E18: Leakage occurrence = Number of leakage recognized by complaint / length of pipeline at the end of period / number of months covered

F2: No. of employee per 1000 connections = (number of permanent staff + non-permanent staff) / (total billable connections/1000)

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.