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CHATTOGRAM WATER SUPPLY AND SEWERAGE AUTHORITY



**MANAGEMENT INFORMATION SYSTEM REPORT
FOR THE MONTH OF JUNE-2026**

**WASA BHABAN
DAMPARA
CHATTOGRAM, BANGLADESH**

Phone : 880-31-2851806

Fax : 880-31-610465

Email : info@ctg-wasa.org.bd

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Chattogram Water Supply & Sewerage Authority
Monthly MIS Report
June 2026

		Unit	This month	Year to date	Previous year actual	This year target *1	Evaluation *2	Remarks *3	++	Too good	Very bad
Selected Key Indicators											
E	17*	Non Revenue Water= {1-(billed water(C2)/distributable water production(E15*))} X 100									
		%	20	23	26	24	3%				
C	4*	Revenue collection efficiency (monthly coll.+ outstand. Coll.)/ monthly bill. = (collection(C3)/billing(C1)) X100									
		%	112	91	89	89	26%	++			
D	9*	Collection period = (accounts receivable(D6)/monthly billings(C1)) X number of days of month									
		Day	356	372	323	200	-86%	!			
F	2*	No. of perma. employee per 1000 connections(excl. non-perma. Empl.) = (No. of permanent staff(F1) + non-permanent staff(F5) / total billable connections (A1.1)) X1000									
		Nos.	4.8	N/A	5.3	7.6	37%	++			
D	8*	Operating Ratio = (personal cost (D2.1) + electricity cost (D2.2) + chemical cost (D2.3) + other O & M (D2.5.1)) / (Total Revenues(D1))									
		Ratio	1.02	0.74	0.74	1.69	56%	++			
A	3.5*	Functioning meter rate of installed meter = no. of metered (A3.1)/ (no. of metered (A3.1) + average reading (A3.2)) X 100									
		%	89	N/A	90	90	-1%				
E	19	Water quality sample (E19)									
		No./month	240	2,880	2,880	240	0%				
E	18*	Leakage occurrence = (no. of leakage recognized by complaint (G3)/ Length of Pipeline at the end of period(E9)/ no. of months covered)									
		No./km/mth	0.54	2.74	0.28	1.81	-51%	!			
A	6*	Water supply coverage = ((Billed connection (A1.3) X 26 Person per Connection) + (Total Street Hydrant (A4) X 80 Person per Street Hydrant) / Total Population in water Supply Area (N.B)) X 100									
		%	68	N/A	68	68	1%				
B	5*	Average tariff = (Total billing(C1)/ Billed volume(C2)) / 1000									
		Tk/m3	17.66	17.61	18.61	17.70	0%				
E	16*	Unit production cost (in/c Capt. Cost,Deprec. & Financial Expense.) = Expenses Total(D2)/ (Production distributable water(E15*) +DTW Water directly distributed (E15.1*)) / 1000)									
		Tk/m3	34.09	20.91	22.21	34.16	39%	++			
A) Connection data											
A	1	Total registered connections									
		Nos.	106,359	N/A	101,482	104,226	2%				
A	1.1	Billable (non-disconnected) connection									
		Nos.	100,124	N/A	95,369	98,102	2%				
A	1.2	Non-billable (disconnected) connection									
		Nos.	6,235	N/A	6,113	6124	-2%				
A	1.3	Billed connection									
		Nos.	95,212	N/A	91,276	94,548	1%				
A	2	Breakdown of billable connection (by customer type)									
A	2.1*	Domestic									
		%	93	N/A	93	92	2%				
A	2.2	Non-domestic									
		%	7	N/A	7	8	18%				
A	3	Breakdown of billable connection (by meter status)									
A	3.1	Metered									
		Nos.	89,374	N/A	85,361	88,114	1%				
A	3.2	Average reading									
		Nos.	10,649	N/A	9,907	9,886	-8%				
A	3.3	Non meter									
		Nos.	101	N/A	101	102	1%				
A	3.4*	Meter installation rate									
		%	100	N/A	100	100	0%				
A	3.5*	Functioning meter rate of installed meter									
		%	89	N/A	90	90	-1%				
A	4	Street Hydrant									
		Nos.	689	N/A	689	689	0%				
A	5	Religious Institutions									
		Nos.	368	N/A	368	317	16%				
A	6*	Water supply coverage									
		%	68	N/A	68	68	1%				
A	7	Bill sent-out ratio									
		%	95	N/A	96	96	-1%				

[N: B: Population for This Year (2025-26): 3,721,269]

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		Unit	This month	Year to date	Previous year actual	This year target *1	Evaluation *2	Remarks *3	
								++	Too good
								!	Very bad
B) Tariff									
B 1	Domestic	Tk/m3	18.00	N/A	18.00	18.90	-5%		
B 2	Non-domestic	Tk/m3	37.00	N/A	37.00	38.85	-5%		
B 3	Street Hydrant	Tk/m3	18.00	N/A	18.00	18.90	-5%		
B 4	Religious Institutions	Tk/m3	18.00	N/A	18.00	18.90	-5%		
B 5*	Average tariff	Tk/m3	17.66	17.61	18.61	17.70	0%		
C) Billing and Collection									
C 1	Total billing	Tk	202,929,136	2,364,952,853	2,366,807,829	2,700,000,000	-12%		
C 1.1*	Private	Tk	179,632,400	2,089,721,437	2,087,378,804	2,350,000,000	-11%		
C 1.2*	Government	Tk	23,296,736	275,231,416	279,429,025	350,000,000	-21%		
C 2	Billed volume (Total Volume Accounted)	ML	11,490	134,276	127,149	152,570	-12%		
C 3	Total collection	Tk	227,910,849	2,153,436,175	2,101,279,167	2,400,000,000	-10%		
C 3.1*	Private	Tk	211,438,312	2,019,718,543	1,980,058,840	2,000,000,000	1%		
C 3.2*	Government	Tk	16,472,537	133,717,632	121,220,327	400,000,000	-67%	!	
C 4*	Revenue collection efficiency (monthly coll.+ outstand. Coll.)/ monthly bill.	%	112	91	89	89	26%	++	
C 4.1*	Private	%	118	97	95	85	38%	++	
C 4.2*	Government	%	71	49	43	114	-38%	!	
D) Financial data									
D 1	Revenue (Total)	Tk	254,574,150	2,500,124,848	2,418,341,233	2,829,300,000	-12%		
D 1.1	Water revenue	Tk	227,910,849	2,153,436,175	2,101,279,167	2,400,000,000	-10%		
D 1.2*	Tubewell license	Tk	7,108,952	117,957,204	116,071,886	120,000,000	-2%		
D 1.3*	Other operating revenues	Tk	8,721,016	98,731,469	100,990,180	179,300,000	-45%	!	
D 1.4*	Interest income	Tk	10,833,333	130,000,000	100,000,000	130,000,000	0%		
D 2	Expenses (Total)	Tk	490,033,176	3,656,664,047	3,819,316,426	6,857,199,106	47%	++	
D 2.1*	Personnel cost	Tk	40,120,834	495,324,943	495,484,777	651,864,000	24%		
D 2.2	Electricity cost	Tk	111,312,000	1,004,108,000	1,016,463,000	1,000,000,000	0%		
D 2.3	Chemicals	Tk	42,776,000	130,340,000	138,232,000	150,000,000	13%		
D 2.4*	Depreciation	Tk	109,979,832	1,319,757,984	1,550,195,820	1,319,757,986	0%		
D 2.5	Other operating cost	Tk	167,566,000	487,791,000	399,891,000	3,516,235,000	86%	++	
D 2.5.1	Other O & M	Tk	64,595,000	210,612,000	139,182,000	2,966,535,000	93%	++	
D 2.5.2	Capital cost from revenues	Tk	102,971,000	277,179,000	260,709,000	549,700,000	50%	++	
D 2.6*	Financial expense	Tk	600,000	7,200,000	6,907,709	7,200,000	0%		
D 3	Net Income (Loss)	Tk	(235,459,026)	(1,156,539,199)	(1,400,975,194)	(4,027,899,106)	-71%	!	
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	2,410,135,247	N/A	2,096,154,776	2,456,286,417	2%		
D 6.1*	Accounts receivable from Government	Tk	296,304,004	N/A	526,816,674	652,384,556.46	55%	++	
D 6.2*	Accounts receivable from Private	Tk	2,113,831,243	N/A	1,569,338,102	1,803,901,860.70	-17%		
D 7*	Long term loans	Tk	17,678,510	212,142,120	212,142,120	212,142,120	92%	++	
D 8*	Operating Ratio	Ratio	1.02	0.74	0.74	1.69	56%	++	
D 9*	Collection period	Day	356	372	323	200	-86%	!	

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		Unit	This month	Year to date	Previous year actual	This year target *1	Evaluation *2	Remarks *3 ++ Too good ! Very bad	
E) Water Supply									
E 3	Capacity of Surface WTP (Mohora+Kwsp-1+Kwsp-2+Modunaghat)	MLD	466	N/A	466	526	-11%		
E 4	Capacity of Ground WTP	MLD	68	N/A	68	68	0%		
E 5	Deep Tube Wells in Operation	Nos.	41	N/A	40	51	-20%		
E 6*	Capacity of DTW - direct distribution	MLD	29	N/A	30	32	-8%		
E 7*	Capacity of DTW - supply to GWTP	MLD	0	N/A	0	0	#DIV/0!	#DIV/0!	
E 8*	Capacity of distributable water production	MLD	563	N/A	564	625	-10%		
E 9	Length of Pipeline	km	965	N/A	962	992	-3%		
E 15*	Production (distributable water)	ML	14,375.22	174,840	171,962	200,750	-13%		
E 15.1*	DTW water to users before boosters	ML	0	0	0	0	N/A		
E 16*	Unit production cost (in/c Capt. Cost, Deprec. & Financial Expense.)	Tk/m3	34.09	20.91	22.21	34.16	39%	++	
E 17*	Non Revenue Water	%	20	23	26	24	3%		
E 18*	Leakage occurrence	No./km/mth	0.54	2.74	0.28	1.81	-51%	!	
E 19	Water quality sample	No./month	240	2,880	2,880	240	0%		
E 20*	Satisfactory sample in chlorine level	%	100	100	100	100	0%		
E 21*	Satisfactory sample in microbiological level	%	100	100	100	100	0%		
F) Personnel									
F 1	No. of permanent employees (Total)	Nos.	478	N/A	505	747	36%	++	
F 1.1	Grade-3-9	Nos.	57	N/A	56	60	N/A	++	
F 1.2	Grade-10-11	Nos.	35	N/A	35	62	N/A	++	
F 1.3	Grade-12-16	Nos.	180	N/A	191	310	N/A	++	
F 1.4	Grade-17-20	Nos.	206	N/A	223	315	N/A	++	
F 5	No. of non-permanent employees (Total)	Nos.	302	N/A	0	0	#DIV/0!	#DIV/0!	
F 5.1	Work charge (6 month contract worker) Completed Project Staff	Nos.	34	N/A	0	0	N/A	++	
F 5.2	Master roll (Daily basis casual worker) & Outsource in	Nos.	243	N/A	0	300	N/A	++	
F 5.3	Project staff (hired by project budget)	Nos.	25	N/A	25	50	N/A	++	
F 2*	No. of perma. employee per 1000 connections(excl. non-perma. Empl.)	Nos.	4.8	N/A	5.3	7.6	37%	++	
F 3	Average Monthly Salary	Tk	23,565	N/A	20,979	49,519	52%	++	
F 4*	% of Overtime to Basic Salary	%	0.00	N/A	13	30	100%	++	
G) Customer Services									
G 1	New Service Connection								
G 1.1	Service Connection Application Received	Nos.	214	2,783	3,066	2,950	-6%		
G 1.2	Service Connection given	Nos.	197	2,564	3,130	2,850	-10%		
G 2	Billing complaints								
G 2.1	Complaints received	Nos.	140	1,540	2,180	2,200	30%	++	
G 2.2	Complaints acted on	Nos.	120	1,270	1,930	2,000	37%	++	
G 3	Leakage complaints received and attended	Nos.	524	2,646	2,676	1,800	-47%	!	

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N/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.

*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.

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).

A3.5: Functioning meter rate = 1 - (number of average reading connection / number of billable connection). This indicator is used as a proxy of ratio of metered water sold to total water sold.

A6: Water supply coverage is defined as (population served with piped water + population served by street hydrant) / population in service area.

In FY 2010/11, this was estimated at 42% (= (1.192 million + 0.07 million) / 2.98 million)

Supply coverage of this month is computed based on the following assumptions used in Business Plan.

(population in service area = 3 million; user population per connection = 30; population served with standpipes = 100,000; number of standpipes = 689)

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

C1.1: "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 & allowances, 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.

D6.1: Same as C1.1,

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)/((Distributable 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

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)

F4: Only staff workers (Class 3 and Class 4) receive overtime. Thus this ratio is computed based on Class 3 and Class 4 workers' pay.

13.09.2026
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(Richard Nelson Penheiro)
Executive Engineer (A.C)
Design Division
Chattogram WASA, Chattogram.

মাহাম্মদ আলী
তত্ত্বাবধায়ক (প্রকৌশলী)
পরিকল্পনা ও নির্মাণ সার্কেল
চট্টগ্রাম ওয়াসা

মাকসুদ আলম
প্রধান প্রকৌশলী
চট্টগ্রাম ওয়াসা, চট্টগ্রাম।

প্রকৌশলী
(উপসচিব)
উপব্যবস্থাপনা পরিচালক (প্রকৌশল)
চট্টগ্রাম ওয়াসা, চট্টগ্রাম।