CHATTOGRAM WATER SUPPLY AND SEWERAGE AUTHORITY



MANAGEMENT INFORMATION SYSTEM REPORT AUGUST-2022

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Chattogram Water Supply & Sewerage Authority Monthly MIS Report

		Mo	nthly MIS Re	port				
	August 2022 Lipit This Evaluation Remarks ++							
l		Unit	This month	Year to date	Previous	11112	*2	++
-					year	year		- 20 S S 600
Selec	cted Key Indicators Non Revenue Water	English tradesports			actual	target *1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A STATE OF THE STA
	Tractor and the second	04				23	-35%	1 1
C 4*	Revenue collection efficiency(monthly coll.+outstand. Coll.)/month	% %	31	31	30	99	-4%	1
D 9*	Collection period	The second second	96	90	93	263	-1%	1
F 2*	No. of perma. employee per 1000 connections(excl. non-perma. En	Day	260	265	282	8.5	15%	
D 8*	Operating Ratio	Nos. Ratio	7.2	N/A	7.3	0.72	14%	1
A 3.5		%	0.59 95	0.63 N/A	0.79 95	100	-5%	
E 19	Water quality sample	No./month	200	400	2,400	2,400	-92%	!
E 18*		No./km/mtt	0.38	0.28	0.38	5.04	94%	++
A 6*	Water supply coverage	%	61	N/A	62	75	-18%	
B 5*	Average tariff	Tk/m3	14.69	14.18	14.28	15.28	-4%	
E 16*	Unit production cost (in/c Capt. Cost, Deprec. & Financial Expense.	20 000000000000000000000000000000000000	6.71	6.36	12.31	20.53	69%	++
A) Con	nection data			StradField.	14. 8% 2000年末	2. 第三章 至		A
A 1	Total registered connections	Nos.	87,276	N/A	86,788	91,700	-5%	
A 1.1	Billable (non-disconnected) connection	Nos.	81,484	N/A	81,005	85,700	-5%	
A 1.2	Non-billable (disconnected) connection	Nos.	5,792	N/A	5,783	6000	3%	
A 1.3	Billed connection	Nos.	80,221	N/A	78,980	84,000	-4%	
A 2	Breakdown of billable connection (by customer type)							
A 2.1*	Domestic	%	93	N/A	93	93	0%	
A 2.2	Non-domestic	%	7	N/A	7	. 7	1%	
A 3	Breakdown of billable connection (by meter status)							
	Metered	Nos.	76,934	N/A	77,176	81,700	-6%	
A 3.1 A 3.2	Average reading	Nos.	4,444	N/A	3,723	4,000	-11%	1
	Non meter	Nos.	106	N/A	106	106	0%	
A 3.3	Meter installation rate	%	100	N/A	100	100	0%	
A 3.4*	Functioning meter rate of installed meter	%	95	N/A	95	100	-5%	
A 3.5*		Nos.	689	N/A	689	689	0%	
A 4	Street Hydrant	Nos.	368	N/A	368	368	0%	
4 5	Religious Institutions	%	61.	N/A	62	75	-18%	
4 6*	Water supply coverage	%	98	N/A	98	98	0%	
4 7	Bill sent-out ratio							

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1		Unit	This month	Year to date	Previous	year	*2	++ 1.50
			Tills money		year actual	target *1		A CONTRACTOR
B) Ta	Domestic Non-domestic				actual	A STATE OF	THE REAL PROPERTY.	夏藤/宝元
B 1	Domestic	18	には、一般には、一般には、一般には、一般には、一般には、一般には、一般には、一般		13.02	13.67	-5%	-
B 2	Collication	Tk/m3	13.02	N/A	31.82	33.41	-5%	
В 3	Street Hydrant	Tk/m3	31.82	N/A	2.00	13.67	-5%	
B 4	Religious Institutions	Tk/m3	13.02	N/A	13.02	13.67	-5%	1
B 5*	AVPIAGE tariff	Tk/m3	13.02	N/A	13.02	15.28	-4%	
C) Bill	ng and Collection Total billing	Tk/m3	14.69	14.18	14.28	15.25 S. 15.25	No.	1
C 1	Total billing	E STATE	MAN SAME		The state of the s	1,931,900,000	-8%	
C 1.1	Private	Tk	152,826,167	294,809,347	1,646,498,206	1,552,430,000	-1%	
C 1.2		Tk	133,158,332	255,952,329	1,417,237,972		-39%	1
C 2		Tk	19,667,835	38,857,018	229,260,234	379,470,000	-1%	•
C 3	Billed volume (Total Volume Accounted) Total collection	ML	10,403	20,793	115,273	126,470		
C 3.1		Tk	145,977,566	265,664,589	1,532,296,451	1,916,900,000	-17%	
C 3.2		Tk	127,818,567	239,756,029	1,385,932,394	1,712,297,000	-16%	
C 4*		Tk	18,158,999	25,908,560	146,364,057	204,603,000	-24%)
C 4.1	Revenue collection efficiency(monthly coll.+outstand. Coll.)/monthly bill.	%	96	90	93	99	-4%	
C 4.2	riivate	%	96	94	98	110	-13%	
		%	92	67	64	54	71%	++
D) Filia	incial data	35.2		A Land	主张 图形图图	10. 高速配		A. B. C.
D 1	Revenue (Total)	Tk	169,843,185	306,429,866	1,828,840,771	2,296,850,000	-20%	
D 1.1	Water revenue	Tk	145,977,566	265,664,589	1,532,296,451	1,916,900,000	-17%	
D 1.2*	See 10 of 20	Tk	4,901,237	7,922,958	114,045,305	100,000,000	-52%	!
D 1.3*		Tk	10,631,049	16,175,652	82,499,015	179,950,000	-46%	!
D 1.4*		Tk	8,333,333	16,666,667	100,000,000	100,000,000	0%	
D 2	Expenses (Total)	Tk	100,999,243	191,802,784	2,032,959,163	3,372,762,373	66%	++
D 2.1*		Tk	34,720,243	70,548,784	426,879,163	575,536,000	26%	++
D 2.2	Electricity cost	Tk	62,640,000	116,261,000	652,415,000	773,000,000	10%	
D 2.3	Chemicals	Tk	637,000	653,000	141,233,000	140,000,000	97%	++
D 2.4*	Depreciation	Tk	0	0	246,857,000	1,471,943,373	100%	++
D 2.5	Other operating cost	Tk	3,002,000	4,340,000	565,575,000	412,283,000	94%	++
D 2.5.	Other O & M	Tk	2,799,000	4,128,000	220,317,000	173,693,000	86%	++
D 2.5.2		Tk	203,000	212,000	345,258,000	238,590,000	99%	++
D 2.6*	Financial expense	Tk	0	0	0	0	#DIV/0!	#DIV/0!
D 3	Net Income (Loss)	Tk	68,843,942	114,627,082	(204,118,392)	(1,075,912,373)	-164%	#DIV/U!
D 4"	Cash at bank	Tk	0	N/A	0	0	N/A	:
D 5*	Stock & stores	Tk	0	0	0	140,034		
D 6	Accounts Receivable	Tk	1,284,053,099	N/A	1,271,740,973	1,271,740,973	N/A	
D 6.1*	Accounts receivable from Government	Tk	214,192,635	N/A	210,605,008	210,605,008	-1%	
100-0-0-0-0	Accounts receivable from Private	Tk	1,069,860,464	N/A	1,061,135,965	1,061,135,965	-2%	
D 6.2*		Tk	0	0	0	an an analysis makes	-1%	
D 7*	Long term loans	Ratio	0.59	0.63	0.79	303,047,050	100%	++
D 8*	Operating Ratio	Day	260	265	282	0.72	14%	
D 9*	Collection period				202	263	-1%	

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1							Evaluation	Remarks T
	1	Unit	This month	Year to date	Previous	1 11115	*2	I
E) Wat	er Supply	i J	1	1 '	year	year target *1	11/4 x . W	港上公司
E 3	Capacity of Surface WTP (Mohors St. 1997)	J.A. 图象上的图	record Specificación	5 1 7 25 . 25 19 July alphy 10 1	actual		基工程	一个人
E 4	Capacity of Surface WTP (Mohora+Sk,H,WTP-1+Sk,H,WTP-2+SR	MLD	466	The second of the second	- XX-25-21 E 3	490	-5%	1
E 5	Deep Tube Wells : -	MLD	68	N/A N/A	466	68	0%	
E 6*	Deep Tube Wells in Operation	Nos.	45	N/A N/A	68	47	-4%	
E 7*	Capacity of DTW - direct distribution	MLD	45	N/A N/A	47	48	-5%	#DIV/0!
E 8*	Capacity of DTW - supply to GWTD	MLD	0 45	N/A N/A	48	0	#DIV/0!	#01415.
1000	Capacity of distributable water production	MLD	579	N/A N/A	581	605	-4%	1
E 9	Length of Pipeline	km	962	N/A N/A	581 962	992	-3%	
E 15*	Production (distributable water)	ML	15,050.18	30.169		164,250	10%	
E 15.1	* DTW water to users before boosters	ML	0 15,050,16	30,169	165,187 0	0	N/A	
E 16*	Unit production cost (in/c Capt. Cost, Deprec. & Financial Expense.)	Tk/m3	6.71	6.36	12.31	20.53	69%	++
E 17*	Non Revenue Water	%	31	31	30	23	-35%	1
E 18*	Leakage occurrence	No./km/mth		0.28	0.38	5.04	94%	++
E 149	Water quality sample	No./month		400	2,400	2,400	-92%	1
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) Perso	are a discountry and a						直接於此	THE RESERVE
F 1	No. of permanent employees (Total)	Nos.	589	N/A	591	732	20%	
F 1.1	Grade-3-9	Nos.	57	N/A	59	60	N/A	++
F 1.2	Grade-10-11	Nos.	37	N/A	37	62	N/A	++
F 1.3	Grade-12-16	Nos.	254	N/A	254	300	N/A	++
F 1.4	Grade-17-20	Nos.	241	N/A	241	310	N/A	++
F 5	No. of non-permanent employees (Total)	Nos.	0	N/A	0	0	#DIV/0!	1
г 5 F 5.1	Work charge (6 month contract worker)	Nos.	0	N/A	0	0	N/A	++
F 5.1	Master roll (Daily basis casual worker) Outsource in	Nos.	0	N/A	0	300	N/A	++
	Project staff (hired by project budget)	Nos.	50	. N/A	50	50	N/A	++
F 5.3	No. of perma. employee per 1000 connections(excl. non-perma. Empl.)	1	7.2	N/A	7.3	8.5	15%	
F 2*		Tk	27,407	N/A	18,802	19,960	-37%	· · · · · · · · · · · · · · · · · · ·
F 3	Average Monthly Salary	%	24	N/A	1	32	25%	
F 4*	% of Overtime to Basic Salary	F 82套	· · · · · · · · · · · · · · · · · · ·	7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	3 3 3 4 4 5 3	基 养鱼 献。		
	omer Services	· 1000 (1)	ALBERT ST WAR	The Date of the Second Conference	A Se Wall Transcription	AS WELL TAKES	主题	为。《 华 夏斯》
G 1	New Service Connection	Nos.	593	978	5,296	6,000	204	
G 11	Service Connection Application Received	Nos. Nos.	534	905	4,934	5.000	-2%	
G 12	Service Connection given	NOS.	1	300	4,00.	3,000	9%	
G 2	Billing complaints	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 100	340	2,510	4 500		
G 2.1	Complaints received	Nos.	190	181	2,510	4,500	55%	To The State of th
G 22	Complaints acted on	Nos.	160	284	The second secon	3,500	51%	
3 2 2 3 3	Leakage complaints received and attended	Nos.	364	534	4,422	5,000	36%	

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ক্রান্ত্র প্রের মাইটে আপলোড করার অনুরোধ করা হল)।



Notes:	
Notes: N/A = not applicable (= pointless to calculate, or nonexistent) 11 "this year target" can be the same value in police (size)	
Some numbers may show the sto calculate or populate of	
N/A = not applicable (= pointless to calculate, or nonexistent) *1: "this year target" can be set according to (1) Business Plan, (2) Performance Agreement, (3) discussion with D M D (Engineering), (same or mod 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). *3: A warning sign " + + " appears when the	ified value of previous year) better than what is set as the target.
*3: A warning sign " ++ " appears when the evaluation result exceeds 35% when the target is set at 20, this performance can be considered favorable. The evaluation A warning sign "!" appears when the evaluation result exceeds 35% which the description of the evaluation result exceeds 35% which the evaluation result is shown as 25% which the evaluation result is 25% which the e	n result is shown as 20% (217 21
A2.1: If the total number of billable connections is 45,000 and the number of domestic connections in 36,000, this will be 80% of Water Supply Covers 1 - (number of non-meter connections).	(= 36000 / 45000).
A3.4: Meter installation rate = 1 - (gumbes - t)	(= 30000 / 43000).
A3.4: Meter installation rate = 1 - (number of non-meter connections is 45,000 and the number of domestic connections in billable connections is 36,000, this will be 80% (A6*: Water Supply Coverage=(Billed Connection x 26 Person per Connection + Total Street Hydrant x 80 Person per Street Hydrant) / Total Population	on in Water Supply Area *100.
A7: Bill sent-out ratio = Billed connection x 26 Person per Connection + Total Street Hydrant x 80 Person per Street Hydrant / Total Population	Bil ili vvater Supply
B5. Average water tadiff = *=*** * Diliquic Conflection x 100	
C1 1. "Private" includes private "" Votal billed volume	
C1.1: "Private" includes private customers and users of loose water (sold by bowser) C1.2: "Government" includes government users street bydeste and the street bydeste bydeste and the street bydeste bydeste and the street bydeste byd	
C1.2: "Government" includes government users of loose water (sold by bowser) C3.1: Same as C1.1	
C3.2: Same as C1.2	
C4: Revenue collection officiants	
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 above.	
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. LICCHSC dru reliewed tee of thoewell" in "other enemting revenue"	
D1.3: Excludes "License and renewal fee of tubewell	is the provious 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	e is the previous year a montany man
D2.1: Includes salary & allowances, provident fund, gratuity, festival bonus, overtime and earn leave encashment	athly data column
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 month is converted to a monthly average and shown in the month is converted to a monthly average and shown in the month is converted to a monthly average and shown in the month is converted to a monthly average and shown in the month is converted to a monthly average and shown in the month is converted to a monthly average and shown in the month is converted to a monthly average and shown in the month is converted to a monthly average and shown in the month is converted to a monthly average and shown in the month is converted to a monthly average and shown in the month is converted to a monthly average and shown in the month is converted to a monthly average and shown in the month is converted to a monthly average and shown in the monthly average.	athly data column
02.6: 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 more	uniy data column.
24: 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	
06.2: Same as C1.2	
07: 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).	
De: Collection period = (accounts receivable) / (monthly billings/number of days in month)	
Co. Donat anti-management of door tube wells that Slipply Walet directly to users	
25: Production capacity of deep tube wells that supply water to Karulgaht WTP 27: Production capacity of deep tube wells that supply water to Karulgaht WTP 27: Production capacity of deep tube wells that supply water to Karulgaht WTP 28: Production capacity of deep tube wells that supply water to Karulgaht WTP 29: Production capacity of deep tube wells that supply water to Karulgaht WTP 29: Production capacity of deep tube wells that supply water to Karulgaht WTP 29: Production capacity of deep tube wells that supply water to Karulgaht WTP 29: Production capacity of deep tube wells that supply water to Karulgaht WTP 29: Production capacity of deep tube wells that supply water to Karulgaht WTP 29: Production capacity of deep tube wells that supply water to Karulgaht WTP 29: Production capacity of deep tube wells that supply water to Karulgaht WTP 29: Production capacity of deep tube wells that supply water to Karulgaht WTP 29: Production capacity of deep tube wells that supply water to Karulgaht WTP 29: Production capacity of deep tube wells that supply water to Karulgaht WTP 29: Production capacity of deep tube wells that supply water to Karulgaht WTP 29: Production capacity of deep tube wells that supply water to Karulgaht WTP 29: Production capacity of deep tube wells that supply water to Karulgaht WTP 29: Production capacity of deep tube well water to Karulgaht WTP 29: Production capacity of deep tube well water to Karulgaht WTP 29: Production capacity of deep tube well water to Karulgaht WTP 29: Production capacity of deep tube well water to Karulgaht WTP 29: Production capacity of deep tube well water to Karulgaht WTP 29: Production capacity of deep tube well water to Karulgaht WTP 29: Production capacity of deep tube well water to Karulgaht WTP 29: Production capacity of deep tube well water to Karulgaht WTP 29: Production capacity of deep tube well water to Karulgaht WTP 29: Production capacity of deep tube well water to Karulgaht WTP 29: Production capacity of deep tube well water to Karulgaht WTP 29: P	from DTM
E7: Production capacity of deep tube wells that supply water to Karungant W1P + Water produced at Ground WTP + Water directly distributed E15: Distributable water (or system input water) = Water produced at Surface WTP + Water produced at Ground WTP + Water directly distributed E15: Distributable water (or system input water) = Water produced at Ground WTP + Water produced at Ground WTP + Water directly distributed in the distributable water (E15).	HOIT DIVV
E15: Distributable water (or system input water) = Water produced at 30 race V/11. E15: Distributable water (or system input water) = Water produced at 30 race V/11. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or system input water) = Water produced at 30 race V/12. E15: Distributable water (or s	
E15.1: Raw water distributed directly to users from some DTW of the Water directly distributed)*1000) E16: Unit production cost =Expenses(Total)/((Dstributable Water Volume+DTW Water directly distributed)*1000) E16: Unit production cost =Expenses(Total)/((Dstributable Water / (distributable water production + DTW Water directly distributed) } x 100	
E16: Unit production cost = Expenses(Total)/([Ostributable Valter Volume 1) water industry distributed (1) and industry	
17: NRW = (unbilled water / water produced x 100) = [1 - billed water / (distributable water production + b) w water directly distributed [1] x 100 = 17: NRW = (unbilled water / water produced x 100) = [1 - billed water / (eight) = (eigh)	
E18: Leakage occurrence = Number of leakage recognized E20: This is the rate of satisfactory sample complying with the chlorine standard.	
E20: This is the rate of satisfactory sample complying with the microbiological standard. E21: This is the rate of satisfactory sample complying with the microbiological standard. E21: This is the rate of satisfactory sample complying with the microbiological standard.	
221: This is the rate of satisfactory sample complying with the microbiological standard. 221: This is the rate of satisfactory sample complying with the microbiological standard. 221: This is the rate of satisfactory sample complying with the microbiological standard. 221: This is the rate of satisfactory sample complying with the microbiological standard. 222: This is the rate of satisfactory sample complying with the microbiological standard. 223: This is the rate of satisfactory sample complying with the microbiological standard. 224: This is the rate of satisfactory sample complying with the microbiological standard. 225: This is the rate of satisfactory sample complying with the microbiological standard. 226: This is the rate of satisfactory sample complying with the microbiological standard. 227: This is the rate of satisfactory sample complying with the microbiological standard. 228: This is the rate of satisfactory sample complying with the microbiological standard. 229: This is the rate of satisfactory sample complying with the microbiological standard. 220: This is the rate of satisfactory sample complying with the microbiological standard. 220: This is the rate of satisfactory sample complying with the microbiological standard. 221: This is the rate of satisfactory sample complying with the microbiological standard. 222: This is the rate of satisfactory sample complying with the microbiological standard. 223: This is the rate of satisfactory sample complying with the microbiological standard. 224: This is the rate of satisfactory sample complying with the microbiological standard. 225: This is the rate of satisfactory sample complying with the microbiological standard. 226: This is the rate of satisfactory sample complying with the microbiological standard. 227: This is the rate of satisfactory sample complying with the microbiological standard. 228: This is the rate of satisfactory sample complying with the microbiological standard. 229: This is the rate of satisfactory sample	
F2: No. of employee per 1000 connections = (number of permanent staff + non-permanent staff) / (total billable connections + 1000) F2: No. of employee per 1000 connections = (number of permanent staff + non-permanent staff) / (total billable connections / 1000) F2: No. of employee per 1000 connections = (number of permanent staff + non-permanent staff) / (total billable connections / 1000) F2: No. of employee per 1000 connections = (number of permanent staff + non-permanent staff) / (total billable connections / 1000) F2: No. of employee per 1000 connections = (number of permanent staff + non-permanent staff) / (total billable connections / 1000) / (total billable conne	
4: Unity stati workers (Class 5 and Share	
Cultimitted by:	

Prepared by:

24.10.2021

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

Submitted by:

তি । বিশ্বিকৃপ ইসলাম মোহাম্মদ আরিকৃপ ইসলাম তত্ত্ববিধায়ক প্রকৌশলী কেকিছনা ও নির্মান সার্কেল) Noted by:

CE

ট্রপার <mark>DMD (চ্</mark>রার কেন্ট্রেস) চাটিলাম ওলালা, চটা চল