

MANAGEMENT INFORMATION SYSTEM REPORT FOR THE MONTH OF JANUARY-2021

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Chattogram Water Supply & Sewerage Authority Monthly MIS Report January 2021

		Unit	This month	Year to date	Previous	This	Evaluation	Remarks *3
			Tills Mond	i cai to date	year	year	*2	++ Toog
}					actual	target *1	_	! Very t
Select	ejskevihidiealore					SECTION AND A		
E 17*	Non Revenue Water	%	23	22	28	25	12%	- State procedure to C. St. Act. to Alexander (1)
C 4*	Revenue collection efficiency(monthly coll.+outstand. Coll.)/month	%	89	95	83	108	-18%	•
D 9*	Collection period	Day	322	314	324	263	-19%	
F 2*	No. of perma. employee per 1000 connections(excl. non-perma. Err	Nos.	8.6	N/A	9.1	10.0	14%	
D 8*	Operating Ratio	Ratio	0.79	0.69	0.86	0.98	30%	++
A 3.5*	Functioning meter rate of installed meter	%	91	N/A	87	100	-9%	
E 19	Water quality sample	No./month	150	1,050	1,200	150	0%	
E 18*	Leakage occurrence	No./km/mth	0.47	0.41	0.43	0.50	19%	
A 6*	Water supply coverage	%	58	N/A	57 🔩	75	-22%	
B 5*	Average tariff	Tk/m3	13.78	13.90	12.97	12.63	9%	
E 16*	Unit production cost (in/c Capt. Cost, Deprec. & Financial Expense.	Tk/m3	8.86	10.12	10.55	13.44	25%	·=·
	ection database comments and the second seco						A SECTION OF	
A 1	Total registered connections	Nos.	80,947	N/A	77,794	82,000	-1%	
A 1.1	Billable (non-disconnected) connection	Nos.	75,267	N/A	72,163	76,000	-1%	
A 1.2	Non-billable (disconnected) connection	Nos.	5,680	N/A	5,631	6000	5%	
A 1.3	Billed connection	Nos.	72,282	N/A	69,370	73,000	-1%	
A 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	33%	++
A 3	Breakdown of billable connection (by meter status)					i		
A 3.1	Metered	Nos.	68,281	N/A	62,294	66,000	3%	
A 3.2	Average reading	Nos.	6,801	N/A	9,603	10,000	32%	++
A 3.3	Non meter	Nos.	185	N/A	266	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	%	91	N/A	87 :	100	-9%	
A 4	Street Hydrant	Nos.	689	N/A	689	689	0%	
A 5	Religious Institutions	Nos.	368	N/A	368	368	0%	
A 6⁴	Water supply coverage	%	58	N/A	57	75	-22%	
A 7	Bill sent-out ratio	%	96	N/A	96	100	-4%	

		Unit	This month	Year to date	Previous i	This		Remarks *3	
					year	year	*2	++ Too goo	
OVERALE C					actual	target *1		! Very ba	
B 1	Domestic	Tk/m3	12.40	N/A	12.40	13.02	-5%		
B 2	Non-domestic	Tk/m3	30.30	N/A N/A	30.30	31.82	-5%		
B 3	Street Hydrant	Tk/m3		N/A	12.40	13.02	-5%		
B 4	- ·		12.40	N/A N/A	12.40	13.02	-5%		
	Religious Institutions	Tk/m3	12.40			l .	9%		
	Average tariff	Tk/m3	13.78	13.90	12.97	12.63	970		
1	Total billion		447.204.002	000 047 447	4 400 265 227	4 572 440 000	-10%		
C 1	Total billing	Tk	117,324,683	826,647,447	1,199,365,227	1,572,449,000	1		
C 1.1*	Private	Tk	102,057,855	714,611,338	1,022,107,233	1,140,313,000	7%		
C 1.2*	Government	Tk	15,266,828	112,036,109	177,257,994	432,136,000	-56%		
C 2	Billed Volume (Total Volume Accounted)	ML	8,516	59,490	92,471	124,480	-18%	,	
C 3	Total collection	Tk	104,589,706	781,308,417	999,936,576	1,700,275,000	-21%		
C 3.1*	Private	Tk	97,842,817	668,975,433	904,252,954	1,429,446,000	-20%	, .	
C 3.2*	Government	Tk	6,746,889	112,332,984	95,683,622	270,829,000	-29%	!	
C 4*	Revenue collection efficiency(monthly coll.+outstand. Coll.)/monthly bill.		89	95	83 .	108	-18%		
C 4.1*	Private	%	96	94	88 ₃ .	125	-24%	, .	
C 4.2*	Government	%	44	100	54 r	[•] 63	₇₋ 29%	<u>.</u>	
	(celfobia)								
D 1	Revenue (Total)	Tk	122,420,366	926,988,727	1,247,632,906	2,237,451,000	-29% .		
D 1.1	Water revenue	Tk	104,589,706	781,308,417	999,936,576	1,700,275,000	-21%		
D 1.2*	Tubewell license	Tk	3,104,729	32,214,749	88,080,389	90,000,000	-39%	! :	
D 1.3*	Other operating revenues	Tk	6,809,264	58,048,894	64,615,941	352,176,000	-72%	. 1	
D 1.4*	Interest income	Tk .	7,916,667	55,416,667	95,000,000	95,000,000	. 0%	. ;	
D 2	Expenses (Total)	Tk	97,805,671	772,161,428	1,357,711,024	2,230,253,000	41%	++	
D 2.1*	Personnel cost	Tk	30,148,671	238,088,428	421,236,024	512,607,000	20%		
D 2.2	Electricity cost	Tk	44,526,000	308,551,000	493,984,000	703,000,000	25%	:	
D 2.3	Chemicals	Tk	8,651,000	49,904,000	67,887,000	140,000,000	39%	++	
D 2.4*	Depreciation	Tk	0	50,602,000	90,200,000	101,204,000	89%	++ .	
D 2.5	Other operating cost	Tk	14,480,000	125,016,000	284,404,000	773,442,000	72%	++	
D 2.5.1	Other O & M	Tk	13,443,000	43,183,000	91,126,000	143,702,000	48%	++	
D 2.5.2	•	Tk	1,037,000	81,833,000	193,278,000	629,740,000	78%	++	
D 2.6*	Financial expense	Tk	0	0	0	0	#DIV/0!	#DIV/0!	
D 3	Net Income (Loss)	Tk	24,614,695	154,827,299	(110,078,118)	7,198,000	3587%	++	
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	1,217,819,136	N/A	1,065,256,836	1,065,256,836	-14%		
D 6.1*	Accounts receivable from Government	Tk	278,455,068	N/A	211,109,539	211,109,539	-32%	!	
D 6.2*	Accounts receivable from Private	Tk	939,364,068	N/A	854,147,297	854,147,297	-10%		
D 7*	Long term loans	Tk	0	N/A	0	0	#DIV/0!	#DIV/0!	
D 8*	Operating Ratio	Ratio	0.79	0.69	0.86	0.98	30%	++	
D 9*	Collection period	Day	322	314	324	263	-19%		

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ı						year	year	*2	++ Too ga
ļ						actual i	target *1	_	! Very b
		Supply						Talk to the	
	E 3	Capacity of Surface WTP (Mohora+Sk.H.WTP+Moduna Gh	MLD	323	N/A	323	323	0%	
	E 4	Capacity of Ground WTP	MLD	68	N/A	68 1	68	-1%	
1	€ 5	Deep Tube Wells in Operation	Nos.	49	N/A	42	44	11%	
	E 6*	Capacity of DTW - direct distribution	MLD	- 38	N/A	38	40	-4%	
l	E 7*	Capacity of DTW - supply to GWTP	MLD	Ō	N/A	0	0	#DIV/0!	#DIV/0!
	Ę 8*	Capacity of distributable water production	MLD	429	N/A	428	430	0%	
\checkmark	E 9	Length of Pipeline	km	770,	N/A	770	920	-16%	
ı	E 15*	Production (distributable water)	ML	11,043.19	7 6 ,313	128,662	165,970	-21%	
- 1	E 15.1*	DTW water to users before boosters	ML	0	Ō	Ò	l 0	N/A	
- 1	E 16*	Unit production cost (in/c Capt. Cost,Deprec. & Financial Expense.)	Tk/m3	8.86	10.12	10.55	13.44	25%	•
l	E 17*	Non Revenue Water	%	23	22	28	25	12%	•
	E 18*	Leakage occurrence	No./km/mtl	0.47	0.41	0.43	0.50	19%	
	E 19	Water quality sample	No./month	150	1,050	1,200 -	150	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%	
	Differso				\$ 1.5 m				
ı	F 1	No. of permanent employees (Total)	Nos.	649	N/A	658	730	11%	and the second second second second
	F 1.1	Grade-3-9	Nos.	59	N/A ⁻	57	70	N/A	++
- 1	F 1.2	Grade-10-11	Nos.	54	N/A ¹	55	60	N/A	++
1	F 1.3	Grade-12-16	Nos.	288	N/A	291	315	N/A	++
1	F 1.4	Grade-17-20	Nos.	248	N/A	255	285	N/A	++
	F 5	No. of non-permanent employees (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 project budget)	Nos.	41	N/A	32	170	N/A	++
ľ	F 2*	No. of perma. employee per 1000 connections(excl. non-perma. Empl.)	Nos.	8.6	N/A	9.1	10.0	14%	
	F 3	Average Monthly Salary	Tk	25,505	N/A	17,366	19,960	-28%	!
	F 4*	% of Overtime to Basic Salary	%	33	N/A	15	32	-4%	•
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	G 1	New Service Connection	•			•			A STATE OF THE PROPERTY OF THE
	G 1.1	Service Connection Application Received	Nos.	438	3,062	4,305	6,000	-13%	
	G 1.2	Service Connection given	Nos.	349	2,597	3,745	5,000	-11%	
	G 2	Billing complaints							
	G 2.1	Complaints received	Nos.	190	1,340	2,115	4,500	49%	++
	G 2:2	Complaints acted on	Nos.	140	1,050	1,854	3,500	49%	++
į	G 3	Leakage complaints received and attended /	Nos.	363	2,193	3,993	5,000	25%	



Shop

Notes: 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 prayious year) 12: 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 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 Karukaht 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 = (unbitled 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) 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.

Prepared by:

Noted by