## METRO MIDSAYAP WATER DISTRICT

007 Poblacion 8, Midsayap, Cotabato (North) Province

## Annual Development Plan for the CY 2023

Ref MAJO	R FINAL OUTPUT	Target/s	Primary F	Responsible	Time I	Frame	Budget		Hardcore	Legal Reference
2 WATE	R DISTRIBUTION SERVICE MANAGEMENT					•				
2.1 <b>W</b> a	ater Loss Reduction and Management									
2.1.1	To reduce NRW to at least 20%									
2.1.1.1	Provide, replace and maintain equipment that will be use	sed for monitoring water production								
2.1.1.1.01	Provide spare production meters for all PSs.	At least one (1) production meter is available in	PED-PWQS	JCT, RADS, JFT,	Within the year	September	68,000.00	NSP	Monitoring Logbook	
WSP	Recommend purchase of production meter spare for all PSs. Regularly clean production meters.	case production meter breaks down within the year. Production meters in all pump stations are in 100% good working condition		JGSA, NRDT, OIM					for Pump Stations' Operations	Section 27
2.1.1.1.02 wsp	Upgrade water calibration equipment.	Calibration equipment is 100% upgraded	PED	JCT, BVR, NRDT, OIM	Within the year	June	10,000.00	NSP	Duly Accomplished Purchase Order with supporting	GAA 2017 Section 23 (in ref DBM NBC517)
2.1.1.1.03	Install District Metering for NRW reduction	Installed District Metering (by zone isolation) - at	PED-PWQS	JCT, JFT, JGSA,	Monthly	January to	250,000.00	NSP	Monitoring Logbook	GAA 2022
WSP		least 2 barangays		NRDT		December			for Pump Stations' Operations	Section 81
2.1.1.1.04	Installation of Automatic floater Valve for MMWD	To maintain water supply at Midsayap and	PED-PWQS	JCT, JFT, JGSA,	Monthly	January to	360,000.00	NSP	Monitoring Logbook	GAA 2022
WSP	Water Reservoir	Libungan area		NRDT		December			for Pump Stations' Operations	Section 81
2.1.1.2	Leak detection and illegal connection action program								Oberations	
2.1.1.2.01 wsp	Change and correct old and dilapidated pipelines and appurtenances and regularly conduct inspection on pipelines and repaint permanently exposed pipes	Old and dilapidated service pipelines are 90% upgraded	PED-ECS	BVR, GSF, RAN, DTC, JMM, RMA, PBD, RCM, RLNG, ABP, AJAD, EMA, MGVG	Monthly	January to December	-	NSP	As-Built Plan and Completion Report	PD 198 Title II, Chapter VII, Section 31 (a)
2.1.1.2.02 wsp	Calibrate and paint all new and good retrieved water meters	Water meters (new and retrieved) are 100% calibrated and painted	PED-ECS	OIM, BVR	Monthly	January to December	-	NSP	Duly accomplished water meter calibration form	GAA 2022 Section 81
2.1.1.2.03	Disconnect at the tapping point all service	Service connections not reconnected within three	PED-ECS	BVR, GSF, RAN,	Monthly	January to	-	NSP	Actual Report of	PD 198 Title II,
WSP	connections not reconnected within three (3) months	(3) months are 100% disconnected from the tapping point		DTC, JMM, RMA, PBD, RCM, RLNG, ABP, AJAD		December			Disconnected SC supported with duly accomplished SR	Chapter VII, Section 31 (c)
2.1.1.2.04 wsp	Conduct regular foot patrol and immediate repair	Foot patrol conducted twice a week	PED-ECS	BVR, JMM, PBD, ABP, RCM, GSF, RLNG	Twice a Week	Tuesday and Thursday	-	NSP	Foot Patrol Schedule and Incidental Report	PD 198 Title II, Chapter VII, Section 31 (d)

quipment for construction and repair and	At least one (1) set of upgraded plumbing tools per	PED-ECS	D)/D	AAPO 1 O		4 2 4 4 4 2 2 2 2		Ī	
quipment for construction and repair and			BVR	Within the year	January to	1,011,100.00	NSP	Accomplished	GAA 2022
acintanana	year will be recommended for NRW reduction				December			Recommendation	Section 81
laintenance	programs							Form for the GM	
rovide materials for excellent workmanship in all	Repair and maintenance materials are 100%	PED-ECS	BVR	Within the year	January to	-	NSP	Duly Accomplished	GAA 2017
·	available			,	December			Purchase Order with	
3 - 1 - 1 - 1 - 1 - 1								supporting	DBM NBC517)
trovide list of water meters for relocation to the	List of water meters for relocation are 100%	ACD-CS	DAD KYA	Monthly	January to	_	NSP	documents	GAA 2022
		7102 00	BAB, KIA	Wienany	December		1101	for relocation /	Section 81
·								Service Request	
,	,	DED ECS	B//D CSE DAN	Monthly	lanuary to		NCD	Actual Penort of	PD 198 Title II,
		T LD-LCS	, , ,	Wioriting		-	NOI		Chapter VII,
•	the oran Section 21		PBD, RCM, RLNG,		2000			supported with duly	Section 31 (c)
COUCH 21			ABP, AJAD, JGR,					accomplished SR	,
			GPAE						
Conduct investigation with legal procedures on the	All reported illegal connections are investigated in	PED-ECS	BVR. GSF. RAN.	Monthly	As necessary	-	NSP	Investigation Report	PD 198 Title II.
<b>5</b> .			DTC, JMM, RMA,	,	,			January Santan Carlo	Chapter VII,
	and the second s		PBD, RCM, RLNG,						Section 31 (d)
			ABP, AJAD						
Conduct investigation on high/low consumption	Conducted investigation on high/low consumption	PED-ECS	BVR, DAD	Monthly	January to	-	NSP	Investigation Report	GAA 2022
д	January and Januar	ACD-CS			December				Section 81
Re-categorize service connection to its	Service connections re-categorized to its	ACD-CS	DED, DAD, KYA,	Monthly	January to	-	NSP	Investigation Report	PD 198 Title II,
•	j j		JEPV	ĺ	December				Chapter VII,
		40D 00	DED DAD IIVE	Manth	lanuamita.		NOD	In continution Deposit	Section 31 (d)
•	ı	ACD-CS		Monthly	, , ,	-	NSP	investigation Report	Chapter VII,
ieir present source of water	least twenty (20) per month		1 51		December				Section 31 (d)
Regularly monitor the different zones for leakages	100% leakages and illegal connections are	ACD-CS	DED, DAD, BBP,	Monthly	January to	-	NSP	Investigation Report	PD 198 Title II,
nd illegal connections	monitored and reported upon detection				December				Chapter VII,
Coordinate with harangay officials on reported	Illegal connections are 100% coordinated with	ACD-CS	DED DAD KYA	Monthly	As necessary	24 000 00	NSP	Investigation Report	Section 31 (d) PD 198 Title II,
	•	PED-ECS	JEPV, BVR	y	7 to Hoodbadiy	21,000.00	1101	invocagation report	Chapter VII,
·									Section 31 (d)
	SRs are 100% forwarded to ECS daily	ACD-CS		Monthly		-	NSP		GAA 2022
omplaints					December			2K	Section 81
Monitor, account and record all water withdrawals	Water withdrawals are 100% accounted for all	PED-ECS	JCT, BVR, GSF,	Monthly	As necessary	-	NSP	Monitoring logbook	GAA 2022
om the fire hydrants and blow-offs to accurately			NRDT					for NRW	Section 81
ompute the NRW	,								
Re R	ection 21)  elocate all water meters and service lines to the andard locations as stipulated in the UR&R ection 21  enduct investigation with legal procedures on the corted illegal connections  enduct investigation on high/low consumption  e-categorize service connection to its propriate classification  estigate disconnected/dormant accounts as to eir present source of water  egularly monitor the different zones for leakages dillegal connections  eordinate with barangay officials on reported egal connections  epare SR's on all reported leakages and other emplaints  enitor, account and record all water withdrawals on the fire hydrants and blow-offs to accurately empute the NRW	provided/reported as prescribed in the URR (Section 21)  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All reported illegal connections are investigated in accordance to legal procedures  anduct investigation with legal procedures on the ported illegal connections  anduct investigation on high/low consumption  Conducted investigation on high/low consumption  Investigate disconnected/dormant accounts at least twenty (20) per month  100% leakages and illegal connections are monitored and reported upon detection  Conducted investigation on high/low consumption  Conducted investigation  Conducted	provided/reported as prescribed in the URR (Section 21)  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All reported illegal connections are investigated in accordance to legal procedures  All reported illegal connections are investigated in accordance to legal procedures  Conduct investigation on high/low consumption  Conducted investigation on high/low consumption accordance to legal procedures  Conducted investigation on high/low consumption accordance to legal procedures  Conducted investigation on high/low consumption propriate classification  PED-ECS  ACD-CS  Pecategorize service connection to its appropriate classification  PED-ECS  ACD-CS  Peropriate classification  Investigated disconnected/dormant accounts at least twenty (20) per month  100% leakages and illegal connections are monitored and reported upon detection  100% leakages and illegal connections are monitored and reported upon detection  Illegal connections are 100% coordinated with barangay officials on reported  Begal connections are 100% coordinated with barangay officials on reported upon detection  SRS are 100% forwarded to ECS daily  ACD-CS  PED-ECS  ACD-CS  PED-ECS  ACD-CS  PED-ECS  PED-ECS	provided/reported as prescribed in the URR (Section 21)  All water meters and service lines to the andard locations as stipulated in the UR&R (Section 21)  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  BPD. ECS  BVR, DAD.  ACD-CS  BVR, DAD.  ACD-CS  DED. DAD, HVF, FBP.  ACD-CS  DED, DAD, HVF, VMT  ACD-CS  DED, DAD, BPP, CAC, FBP, HVF, VMT  ACD-CS  DED, DAD, FBV, KYA, JEPV, BPP, JPMM  ACD-CS  DED, DAD, FBV, KYA, JEPV, FBP, JPMM  Water withdrawals are 100% accounted for all internal and external requests	provided/reported as prescribed in the URR (Section 21)  Ideate all water meters and service lines to the andard locations as stipulated in the URRR (Section 21)  All water meters are installed in accordance with the URRR Section 21  All water meters are installed in accordance with the URRR Section 21  All water meters are installed in accordance with the URRR Section 21  All reported illegal connections are investigated in accordance to legal procedures  BVR, GSF, RAN, DTC, JMM, RMA, PBD, RCM, RLNG, ABP, AJAD, JGR, GPAE  BVR, GSF, RAN, DTC, JMM, RMA, PBD, RCM, RLNG, ABP, AJAD  Introduct investigation on high/low consumption  Conducted investigation on high/low consumption  Conducted investigation on high/low consumption  PED-ECS  BVR, GSF, RAN, DTC, JMM, RMA, PBD, RCM, RLNG, ABP, AJAD  Monthly  DTC, JMM, RMA, PBD, RCM, RLNG, ABP, AJAD  Monthly  DTC, JMM, RMA, PBD, RCM, RLNG, ABP, AJAD  ACD-CS  BVR, DAD  Monthly  EPD-ECS  BVR, DAD  Monthly  DED, DAD, KYA, JEPV,  BVR, DAD  Monthly  Monthly  DED, DAD, LYF, FBP  Monthly  EPD-ECS  BVR, DAD  Monthly  DED, DAD, LYF, Monthly  EPD-ECS  DED, DAD, BBP, CAC, FBP, HVF, JMM  Monthly  CAC, FBP, HVF, JMM  DED, DAD, KYA, JEPV, FBP  Monthly  EPD-ECS  DED, DAD, KYA, JEPV, FBP  DED, DAD, KYA, JEPV, BVR  Monthly  DED, DAD, KYA, JEPV, BVR  Monthly  SRS are 100% forwarded to ECS daily  Monthly  Monthly  Monthly  ACD-CS  DED, DAD, KYA, JEPV, BVR  DED, DAD, KYA, JEPV, BVR  Monthly  EPV, BVR  DED, DAD, KYA, JEPV, BVR  Monthly  Monthly  EPV-ECS  DED, DAD, KYA, JEPV, BVR  Monthly  EPV-BCS  DED, DAD, KYA, JEPV, BVR  Monthly  EPV-BCS  DED, DAD, KYA, JEPV, BVR  Monthly  EPV-BCS  DED, DAD, KYA, JEPV, BVR  DED, DAD, KYA, JEPV, BVR  Monthly  EPV, BVR  Monthly  EPV-BCS  DED, DAD, KYA, Monthly  EPV-BCS	provided/reported as prescribed in the URR (Section 21)  All water meters and service lines to the undard locations as stipulated in the URR (Section 21)  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the 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location as stipulated in the URR (Section 21)  Indicate all water meters and service lines to the indicated lines are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with the UR&R Section 21  All water meters are installed in accordance with 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water meters and service lines to the indicated law water meters are installed in accordance with february and indicated locations as stipulated in the UR&R Section 21  All water meters are installed in accordance with february and indicated in the UR&R Section 21  All water meters are installed in accordance with february and indicated in the UR&R Section 21  All water meters are installed in accordance with february and indicated in the UR&R Section 21  All water meters are installed in accordance with february and indicated in the UR&R Section 21  All water meters are installed in accordance with february and indicated in the UR&R Section 21  All water meters are installed in accordance with february and indicated in the UR&R Section 21  All water meters are installed in accordance with february and indicated in the UR&R Section 21  All water meters are installed in accordance with february and indicated in the UR&R Section 21  All water meters are installed in accordance with 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Huf-  NSP  Beacless and Section 21  Accordance with february to December  In the fire hydrants and blow-offs to accurately with drawals are 100% accounted for all meters with fewards and external requests  Accordance and record all water with	List of water meters for relocation to the maters for relocation are 100% growth list of water meters for relocation are 100% growth list of water meters and service lines to the motivation of the URR (Section 21)  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters for relocations with the URR Section 21  All water meters for relocations with the URR Section 21  All water meters are installed in accordance with the URR Section 21  All water meters are installed in accordance with the URR Section 21  ACD-CS  DED, DAD, KYA, Monthly  January to December  De

Ref MAJO	R FINAL OUTPUT	Target/s	Primary I	Responsible	Time F	rame	Budget		Hardcore	Legal Reference
2.1.1.3.01 wsp	Schedule change water meters beyond 5 years or with 2,500 cu. meters reading and above	Scheduled at least ten (10) WMs for CWM monthly	ACD-CS	DED, DAD, KYA, JEPV	Monthly	January to December	-	NSP	Duly accomplished SR	PD 198 Title II, Chapter VII, Section 31 (a)
2.1.1.3.02 wsp	Schedule removal/pull-out water meters after two (2) months of discontinued water service (DWS)	Scheduled at least fifteen (15) WMs with two (2) months discontinued WS monthly	ACD-CS	DED, DAD, KYA, JEPV, VMT, CAC, BBP	Monthly	January to December	-	NSP	List of DWS and Service Request	PD 198 Title II, Chapter VII, Section 31 (a)
2.1.1.3.03 WSP	Schedule Change Water Meter (CWM) due to the following reasons;  • WM is not moving  • Consumption for two consecutive months is lower than its monthly average consumption  • With erratic reading/consumption	Scheduled 100% change water meter upon reported	ACD-CS	DED, DAD, KYA, JEPV, CAC, BBP	Monthly	January to December	300,000.00	NSP	Accomplished SR Monitoring Form	PD 198 Title II, Chapter VII, Section 31 (a)
2.1.1.3.04 wsp	Posting of accomplished SR done by maintenance men and report to CS Personnel for feed backing to customers	100% accomplished SR are posted and reported to CS Personnel within the day	ACD-CS PED-ECS	DED, DAD, KYA, JEPV, FBV, RLR, JPMM	Monthly	January to December	-	NSP	Accomplished SR Monitoring Form	PD 198 Title II, Chapter VII, Section 31 (a)
2.1.2	To ensure water quality and safety									
2.1.2.1	Monitor and ensure that the water provided to custome	rs are safe and free from harmful elements								
2.1.2.1.01 wsp	Ensures availability of spare re-agents for water quality monitoring	At least one (1) pack of spare re-agents for water quality monitoring is available	PED-PWQS	JCT, RADS, NRDT, OIM	Monthly	January to December	-	NSP	PED-PWQS Laboratory Supply Ledger	GAA 2022 Section 81
2.1.2.1.02 wsp	Conducts chlorine residual test daily randomly collected six samples in Midsayap and six samples in Libungan	At least 12 samples are taken, tested, monitored and recorded per day	PED-PWQS	RADS, NRDT, OIM	Monthly	January to December	-	NSP	Chlorine residual monitoring logbook	PD 198 Title II, Chapter VII, Section 26
2.1.2.1.03 wsp	Collects water samples randomly collected at Midsayap and Libungan and submit to accredited Laboratory for Bacteriological testing (at least 5 samples in Midsayap and 5 samples in Libungan)	At least ten (10) water samples are collected and tested for the month	PED-PWQS	RADS, NRDT	Monthly	January to December	84,000.00	NSP	Micro-Bacteriologica Testing Result	PD 198 Title II, Chapter VII, Section 31 (a)
2.1.2.1.04 wsp	Collects water samples for every water source and submit to accredited Laboratory for Physical Chemical Examination	At least ten (10 = 9 PSs and 1 BWS) water samples are collected and tested annually	PED-PWQS	RADS, NRDT	Twice a year	January to December	300,000.00	NSP	Physical Chemical Analysis	PD 198 Title II, Chapter VII, Section 31 (a)
2.1.2.1.05 wsp	Provide Laboratory Equipment at Villarica	Laboratory equipments are 100% provided	PED-PWQS PED-ECS GMO-GSO	BVR, NRDT, JGR, GPAE	Within the year	February to April	787,000.00	NSP	As-Built Plan and Completion Report	PD 198 Title II, Chapter VII, Section 31 (a)
2.1.2.1.06 WSP	Submit water samples for testing/analysis to Davao City (including attendance to other office errands)	At least once a month attendance to Davao City office errands	PED-PWQS PED-ECS	RADS, GSF, JFT, JGSA, OIM, PBD, RMA	Monthly	January to December	243,200.00	NSP	Certificate of Travel Completed	EO 248, EO 298

Ref MAJOR FINAL	OUTPUT	Target/s	Primary Responsible		Time Frame		Budget		Hardcore	Legal Reference
2.1.2.1.07	Conducts flushing at blow-off every water	Conducted flushing every after scheduled water	PED-ECS	BVR, GSF, RAN,	Monthly	As necessary	-	NSP	Duly accomplished	GAA 2022
WSP	interruption	interruption		DTC, JMM, RMA, PBD, RCM, RLNG, ABP, AJAD					request for flushing form	Section 81
2.1.2.1.08	Regularly collects water sample at BWS and get	Collect water sample and production reading daily	PED-PWQS	RADS, JFT, JGSA,	Monthly	January to	-	NSP	Monitoring Logbook	
WSP	production reading			OIM, NRDT		December			for Bulk Water Supply's' Operations	Section 81
2.1.2.1.09	Ensure availability of HTH chlorine granules	At least four (4) container of spare HTH chlorine	PED-PWQS	JCT, RADS, JFT,	Monthly	January to	-	NSP	PED-PWQS	GAA 2022
WSP		granule for water treatment is available		JGSA, NRDT, OIM		December			Laboratory Supply Ledger	Section 81
2.1.2.1.10	Ensure availability of metering pump and	At least one (1) unit of spare chlorinator/ metering	PED-PWQS	JCT, RADS,	Within the year	January to	243,000.00	NSP	PED-PWQS	GAA 2022
WSP	accessories	pump for water treatment is available		NRDT, OIM		December			Laboratory Supply Ledger	Section 27
2.1.2.1.11	Provide PPE's for Pump Operators	Pump operators are 100% provided with	PED-PWQS	JCT, NRDT	Within the year	February to	44,700.00	NSP	Accomplished	GAA 2022
WSP		protective equipments				March			Recommendation Form for the GM	Section 81