

METRO MIDSAYAP WATER DISTRICT

007 Poblacion 8, Midsayap, Cotabato (North) Province

Annual Development Plan for the CY 2021

Ref	MAJOR FINAL OUTPUT	Target/s	Primary Responsible		Time Frame	Budget		
1	WATER FACILITY SERVICE MANAGEMENT							
1.1	Service Expansion and Improvement							
1.1.1	To provide 24/7 water service to customers							
1.1.1.1	<i>Ensure provision of water service 24/7 and maintain a desirable water pressure from pump stations</i>							
1.1.1.1.01	Provide budget for power consumption at Pump Stations (PSs) and Booster Pumps (BPs). Monitor and ensure payment of the monthly power consumption of PSs and BPs.	At least 90% of the pump stations' operation will not be interrupted due to non-monitoring of electricity consumption	PED-PWQS	RADS, OIM, JFT, JGSA, NRDT	Monthly	January to December	5,443,200.00	NSP
DRMP, WSP								
1.1.1.1.02	Provide budget for fuel of generator sets. Monitor and ensure availability of fuel of generator sets.	At least 90% of black-out period are powered with generator sets	PED-PWQS ACD-AS-PMG	RADS, OIM, JFT, JGSA, JOS, NRDT	Monthly	January to December	307,000.00	NSP
DRMP, WSP								
1.1.1.1.03	Provide budget for the maintenance of generator sets. Conducts regular maintenance check-up, change oil and filter of every generator sets.	At least once per quarter, generator sets are maintained	PED-PWQS	RADS, OIM, JFT, JGSA, NRDT	Quarterly	As scheduled	125,000.00	NSP
DRMP, WSP								
1.1.1.1.04	Conduct regular predictive maintenance of pumping facilities.	At least once per semester-all pumps and motors of active pump stations are scheduled for preventive maintenance pull-out	PED-PWQS PED-ECS	RADS, JFT, JGSA, PBD, RMA, ABP, OIM, NRDT	Semestral	As scheduled	12,000.00	NSP
DRMP, WSP								
1.1.1.1.05	Maintenance and upgrading of pull-out tools and equipments. Purchase additional and regularly clean pull-out tools and equipment.	Pull-out tools, equipment and appurtenances for pump stations are 100% available and serviceable	PED-PWQS	RADS, JFT, JGSA, OIM, NRDT	Within the year	As scheduled	100,300.00	NSP
DRMP, WSP								
1.1.1.1.06	Provide spare for all pumping facilities. Purchase spare pump, motor and accessories	At least 90% of the spare equipment are available as needed	PED-PWQS	NRDT	Within the year	As scheduled	646,800.00	NSP
DRMP, WSP								
1.1.1.1.07	Provide standby power/generator sets to all PSs and BPs. Recommend purchase of generator sets to all PSs and BPs.	At least 1 generator set will be recommended for provision to active PSs	PED-PWQS	NRDT	Within the year	As scheduled	20,000.00	NSP
DRMP, WSP								
1.1.1.2	<i>Ensure that sufficient water supply and desirable water pressure is maintained</i>							

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1.1.1.2.01 WSP	Closely monitor activities of Supplier for Bulk Water Supply to ensure delivery of supply of water. Increase the minimum volume supplied by the BWS from 2500cmd to 4300cmd	BWS production are 100% recorded and monitored	PED-PWQS	RADS, OIM, JFT, JGSA, NRDT	Monthly	January to December	20,558,818.98	NSP
1.1.1.2.02 DRMP, WSP	Close coordination with the plant supervisor so that any water interruption will be forwarded to CS for announcement	BWS water interruption are 100% forwarded to CS for announcement	PED-PWQS	RADS, OIM, JFT, JGSA, NRDT	Monthly	As necessary	-	NSP
1.1.1.2.03 WSP	Installation of Booster Pump at Sadaan	Increased water supply going to Sadaan	PED-PWQS	JCT, RADS, JFT, JGSA, NRDT, OIM	Within the year	April to May	836,900.00	NSP
1.1.1.2.04 WSP	Upgrading of Booster Pump at STEM	Maintained water supply at Brgy. Kimagango	PED-PWQS	JCT, RADS, JFT, JGSA, NRDT, OIM	Within the year	April to May	300,000.00	NSP
1.1.1.2.05 WSP	Conduct Water Rationing/Water Delivery	Deliver/provide water to affected areas during interruptions	PED-PWQS	JCT, RADS, JFT, JGSA, NRDT, OIM, RLNG	Within the year	June to December	875,000.00	NSP
1.1.1.2.06 WSP	Payment of annual dues to NWRB for APS1, APS2, APS3, and submit application of water permit for MMWD PS and Kiwanan PS	Submission of duly accomplished water permit application together with the payment thru the Postal Money Order	PED-PWQS ACD-ABG	JCT, NRDT, DLLB, JGE, DPP	Within the year	January to December	28,000.00	NSP
1.1.1.3	<i>Ensure that pump stations and other water service equipment are properly safeguarded and upgraded</i>							
1.1.1.3.01 DRMP, WSP	Repair of perimeter fence of APS 1	Repaired perimeter fence at APS1	GMO-GSO PED-ECS	CST, JCT, BVR, NRDT, Outsourced Labor	Within the year	February	135,000.00	NSP
1.1.1.3.02 DRMP, WSP	Install Barb Wires & Renovate Pump House of APS 2	Installed barbed wires & Renovated Pump House at APS 2	GMO-GSO PED-ECS	CST, JCT, BVR, NRDT, Outsourced Labor	Within the year	March	130,000.00	NSP
1.1.1.3.03 DRMP	Construct Generator House and enclose exposed injection fittings & accesories of APS 3	Constructed Generator House and enclosed injection fittings & acc. at APS3	GMO-GSO PED-ECS	CST, JCT, BVR, NRDT, Outsourced Labor	Within the year	April	310,000.00	NSP

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1.1.1.3.04 DRMP, WSP	Repair of perimeter fence and Pump Station of (DPS)	Repaired perimeter fence and Pump Station at DPS	GMO-GSO PED-ECS	CST, JCT, BVR, NRDT, Outsourced Labor	Within the year	October	150,000.00	NSP
1.1.1.3.05 DRMP, WSP	Repair of perimeter fence and Pump House of (LPS2)	Repaired perimeter fence and Pump House at LPS2	GMO-GSO PED-ECS	CST, JCT, BVR, NRDT, Outsourced Labor	Within the year	November	135,000.00	NSP
1.1.1.3.06 DRMP, WSP	Purchase HU-200 TB meter Turbidity analyzer (online) and accessories	Water quality at plant are 100% monitored	GMO-GSO PED-ECS	JCT, BVR, NRDT	Within the year	November	550,000.00	NSP
1.1.1.3.07 DRMP, WSP	Purchase Data Loggers	Water quality are 100% monitored and reported timely	GMO-GSO PED-ECS	JCT, BVR, NRDT	Within the year	November	160,000.00	NSP
1.1.1.3.08 DRMP, WSP	Install Perimeter Fence & Ladder Cage of Abaga Steel Tank (AST)	Installed Perimeter Fence & Ladder Cage at Abaga Steel Tank (AST)	GMO-GSO PED-ECS	CST, JCT, BVR, NRDT, Outsourced Labor	Within the year	November	220,000.00	NSP
1.1.1.3.09 DRMP, WSP	Repair of perimeter fence and Pump Station of (LPS 1 Tank)	Repaired perimeter fence and Pump Station at LPS 1 Tank	GMO-GSO PED-ECS	CST, JCT, BVR, NRDT, Outsourced Labor	Within the year	November	120,000.00	NSP
1.1.1.3.10 DRMP, WSP	Construct Generator House and Chlorine Room of LPS 8	Constructed Generator House and Chlorine Room at LPS 8	GMO-GSO PED-ECS	CST, JCT, BVR, NRDT, Outsourced Labor	Within the year	November	65,000.00	NSP
1.1.1.3.11 DRMP, WSP	Construction of STEM Booster Pump House	STEM Booster Pump House is 100% Constructed	GMO-GSO PED-ECS	CST, JCT, BVR, NRDT, Outsourced Labor	Within the year	November	150,000.00	NSP
1.1.2	To closely monitor service line information and consistent updating for reference							
1.1.2.1	<i>Update pipeline maps to have exact and accurate reference in locating valves and pipeline for operational and tactical use</i>							
1.1.2.1.01 DRMP, WSP	Updating of maps and sketch plans of the existing water supply system distribution	Updating of maps and sketch plan is 100% provided and available	PED-ECS	BVR, RLR, JGR	Within the year	January	-	NSP
1.1.2.1.02 WSP	Provide updated zone map with pipelines and households	Updated maps and sketch plans of existing water supply system inclusive of pump stations, booster pumps, reservoirs, and transmission and distribution lines within the year	PED-ECS	BVR, RLR, JGR	Within the year	January to December	-	NSP

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1.1.2.1.03 DRMP, WSP	Keep detailed records that indicate location, pipe diameter and type of leak as well as date and duration of repair	Repairs are 100% recorded and monitored with complete pertinent information of the requesting party and duly acknowledged by the MMWD ECS personnel	PED-ECS	BVR, RLR, JGR	Monthly	As necessary	-	NSP
1.1.2.1.04 WSP	Plot map to determine active, disconnected service connections and households without service connections with MMWD, for marketing purposes	Plotted map at least one (1) zone per month	ACD-CS	DAD, FBP, FBV, CAC, VMT	Monthly	January to December	-	NSP
1.1.3	To provide for extension and expansion of water services to unserved barangays and waterless communities							
1.1.3.1	<i>Upgrade and expand the pipelines in selected areas at Midsayap and Libungan</i>							
1.1.3.1.01 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 500 Meters; Buagas to Alam Residence, Poblacion 5, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	January	163,050.00	NSP
1.1.3.1.02 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 450 Meters; Corner Brgy Hall to Madarang Res, Sadaan, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	February	130,800.00	NSP
1.1.3.1.03 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 1000 Meters; Sambag to Colendres area/to FullGospel Church, Villarica, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	February	256,540.00	NSP
1.1.3.1.04 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 300 Meters; Near Tower to Quiñonez Res., Villarica, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	March	117,270.00	NSP
1.1.3.1.05 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 400 Meters; Macao to Dacillo, Villarica, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	April	135,270.00	NSP
1.1.3.1.06 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 200 Meters; Day Care Center to Perez Residence, Villarica, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	April	86,010.00	NSP

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1.1.3.1.07 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 300 Meters; Gatiera to Gusto Res, Kiwanan, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	May	97,400.00	NSP
1.1.3.1.08 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 400 Meters; Sayap Gallera to Pacubat Res., Sadaan, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	May	109,190.00	NSP
1.1.3.1.09 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 450 Meters; Sombilon to Niedo, Pobalcion 5, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	June	129,225.00	NSP
1.1.3.1.10 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 250 Meters; Alejandro lot to Baluyo Res, Kiwanan, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	June	86,800.00	NSP
1.1.3.1.11 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 320 Meters; Uy Agrivet to Aying Residence, Pobalcion 8, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	July	94,090.00	NSP
1.1.3.1.12 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 1000 Meters; Bebot to Central Katingawan, Pobalcion 5, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	July	256,475.00	NSP
1.1.3.1.13 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 300 Meters; Hi-Way to Salvation Army, Pobalcion 8, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	August	95,190.00	NSP
1.1.3.1.14 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 300 Meters; Slaughter house to Bustillo Res, Sadaan, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	August	93,990.00	NSP
1.1.3.1.15 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 500 Meters; MISACO to Sunshine Village, Pobalcion 8, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	September	127,940.00	NSP

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1.1.3.1.16 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 200 Meters; Ontal to Borbon Residence, Pobalcion 7, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	September	69,590.00	NSP
1.1.3.1.17 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 250 Meters; Manalampay Subdivision, Pobalcion 5, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	October	77,030.00	NSP
1.1.3.1.18 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 200 Meters; Highway to CEDAR, Poblacion 7, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	October	79,850.00	NSP
1.1.3.1.19 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 550 Meters; Adame to Ebo Area, Poblacion, Libungan, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	January	162,240.00	NSP
1.1.3.1.20 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 260 Meters; Beside LOPE Quial Elem. School, Poblacion Libungan, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	June	86,690.00	NSP
1.1.3.1.21 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 750 Meters; Timbin to Island Petron, Libungan, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	November	201,900.00	NSP
1.1.3.1.22 WSP	Upgrading of pipeline from 3/4" diameter to 2" diameter uPVC pipe - 200 Meters; Back of Pascoles Residence, Gumaga, Libungan, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	December	78,790.00	NSP
1.1.3.1.23 WSP	Pipe laying and interconnection of pipelines, 148 Meters, Barangay Central Glad, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	February	136,360.00	NSP
1.1.3.1.24 WSP	Pipe laying and interconnection of pipelines, 96 Meters, Barangay Agriculture, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	March	128,310.00	NSP

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1.1.3.1.25 WSP	Pipe laying and interconnection of pipelines, 136 Meters, Barangay Salunayan, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	April	171,720.00	NSP
1.1.3.1.26 WSP	Pipe laying and interconnection of pipelines, 986 Meters, Barangay Sinawingan, Libungan, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	May	617,380.00	NSP
1.1.3.1.27 WSP	Pipe laying and interconnection of pipelines, 1450 Meters, Barangay Baguer, Midsayap, Cotabato	Pipelines are laid 90% as programmed	PED-ECS	BVR, RLR, GSF, PBD, ABP, AJAD, JGR, DLD, RJOD, FMJ, MCDL	Within the year	July	481,920.00	NSP
1.1.3.2	<i>Installation of New Service Connections</i>							
1.1.3.2.01 WSP	Conduct inspection and estimate in the area of applicants for New Service Connections	NSC application estimates are 100% conducted	PED-ECS	BVR, RLR, JGR	Monthly	January to December	-	NSP
1.1.3.2.02 WSP	Ensure quality of materials and excellent workmanship in pipe, service line and water meter installation	Plumbing works are 100% in accordance with the standard operating procedures	PED-ECS	BVR, JGR, Accredited Plumber	Monthly	January to December	6,133,362.00	NSP
1.1.3.2.03 WSP	Conduct inspection on the newly installed service connections.	All newly installed service connections is 100% inspected	PED-ECS	BVR, JGR	Monthly	January to December	85,000.00	NSP
1.1.4	To increase the number of service connections and expand the number of barangays served in Midsayap and Libungan							
1.1.4.1	<i>Intensify marketing campaign and conduct surveys to targeted barangays</i>							
1.1.4.1.01 WSP	Conduct Barangayan for potential service areas in Midsayap and Libungan	Conduct barangayan at least 6 times in a year either in Midsayap or Libungan	ACD-CS PED	DED, DAD, KYA, JEPV, BBP, CAC, VMT, RRPP, RLNG, BVR, JCT, NRDT	Monthly	As scheduled	83,860.00	NSP
1.1.4.1.02 WSP	Conduct survey for proposed service lines expansion either in Midsayap or Libungan	All barangays under service area will be surveyed / marketed either in Midsayap or Libungan	ACD-CS	DED, DAD, KYA, JEPV, VMT	Monthly	As scheduled	57,015.00	NSP
1.1.4.1.03	Launch a Promotion to increase NSC and activate dormant accounts	Promotion launched at least once a year to increase NSC	ACD-CS	DED, DAD, KYA, JEPV	Monthly	As scheduled	9,600.00	NSP
1.1.4.1.04 WSP	Investigate buildings and apartments with single Water Service Connection (WSC) and encourage them to apply for individual NSC	Investigated accounts for reclassification	ACD-CS	DED, DAD, CAC	Monthly	As scheduled	-	NSP

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1.1.4.1.05	Follow up/visit or call pending applications for NSC	Follow-up/visited or call 100% of pending applications for NSC in a month	ACD-CS	DED, DAD, FBV	Monthly	January to December	-	NSP
1.1.4.1.06	Encourage those with disconnected or dormant service connections (SC) to apply for re-opening	At least two (2) SCs in a month will be encouraged in a month to apply for re-opening of account	ACD-CS	DED, DAD, FBV, FBP, HVF	Monthly	January to December	-	NSP
1.1.4.1.07	Reduce processing time from application to estimate of materials & labor	Reduced processing time of NSC application estimate from 5 days to 3 days	ACD-CS	DED, DAD, FBV, KYA, JEPV, FBP, CAC, RLR	Monthly	January to December	200,000.00	NSP