

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./ Description
Operations
Employee Shifts

MEZ STP-WRP OPERATIONS AND MAINTENANCE MANAGEMENT
24 hours, 7 days a week (365 days)
3 shifts (6AM-2PM, 2PM-10 PM, 10PM-6AM)
1 day off

	Designation	No. of Person	No. of Days	Daily Rate	Amount
A.	Labor				
	a. PLANT SUPERVISOR	1	26.083		-
	b. ADMINISTRATIVE OFFICER	1	26.083		-
	c. SENIOR ELECTRICAL ENGINEER	1	26.083		-
	d. ELECTRICIAN	1	26.083		-
	e. MECHANIC PIPE FITTER	1	26.083		-
	f. DRIVER / MECHANIC	1	26.083		-
	g. WELDER	1	26.083		-
	h. OPERATOR	4	26.083		-
	i. UTILITY STAFF	5	26.083		-
	Night Differential				
	a. OPERATOR (10 PM - 6 AM Shift) (Annex C for breakdown)	1	365.000		-
Sub-total for A					-
	Name and Capacity	No. of Units	No. of Days	Daily Rate	Amount
B.	Equipment				
	a. Vehicle (Minimum Requirement: Multicab; ELS = 5 years)	1	annual		
	ELS = Expected Life Span				
	Gasoline (liters)	4	26.083		-
		(liters/day)		(Php/liters)	
	Oils & Lubricants (5% of fuel cost)	lot			
	Equipment registration renewal and maintenance including tire & etc.	lot			
	b. Communication (data for 4 units)	4	26.083		-
	c. Consumables (Annex D for breakdown)	sets	annual		
Sub-total for B					P
C.	Total (A+B)				-
D.	Output per day				
	Specification	Unit	Quantity	Unit Cost	Amount
E.	Material				
	1. Weekly Influent and Effluent and Reuse Water Sampling (DO, BOD, pH, TSS, Fecal Coliform)	lot	53		-
	2. Wrenches (Socket Wrench (set) with ratchet, Box Wrench (set), Open end Wrench (set), Adjustable Wrench, Monkey Wrench, Torque Wrench)	set	1		-
	3. Pliers (Gripping, Needle Nose, Pinch off, and Diagonal Cutting)	set	1		-
	4. Screw Driver Set (Philips and Standard Tip in various sizes)	set	1		-
	5. Clamp Ammeter	unit	1		-
	6. Multi-meter Tester	unit	1		-
	7. Lock Ring Remover	unit	1		-
	8. Grease Gun	unit	1		-
	9. Gear Puller	unit	1		-
	10. Electric Drill with Drill Bits	set	1		-
	11. Angle Grinder	unit	1		-
	12. Allen Wrench (assorted sizes)	set	1		-
	13. Tool Box	unit	1		-
	14. Chain Block (3 tons)	unit	1		-
	15. Flash Light	unit	2		-
	16. Assorted Hammers (ball peen, claw, plastic tip, etc.)	set	1		-
	17. Center Punch (assorted sizes)	set	1		-

	18. Assorted Chisel	set	1		-	
	19. Pick Mattock	unit	1		-	
	20. Bolo	unit	2		-	
	21. Caliper	unit	1		-	
	22. Side Cutter	unit	1		-	
	23. Air Compressor	unit	1		-	
	24. Bench Vise	unit	1		-	
	25. Weighing Scale (20-50 kgs)	unit	1		-	
	26. Pipe Vise	unit	1		-	
	27. Welding Machine	unit	1		-	
	28. Wheelbarrow	unit	2		-	
	29. Insulation Resistance Tester (Megger Tester)	unit	1		-	
	30. Fusion Welding Machine	unit	1		-	
	Note: ELS of items 2-30: 3 years)					
	Sub-total for E				P	-
F.	Direct Cost (C+E)					-
G.	Administrative Overhead		___% of F	Range: 10-15%		-
H.	Value Added Tax (VAT)		12% of F+G			-
I.	TOTAL (F+G+H)					-

BIDDING PRICE

-
(annual)

PREPARED BY:

NICASIO G. MAMITES
DIVISION CHIEF II, EHSD
MACTAN ECONOMIC ZONE

APPROVED BY:

ATTY. RUFINO RANULFO Z. SAN JUAN IV
DEPUTY ZONE ADMINISTRATOR
MACTAN ECONOMIC ZONE