

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./ Description	MEZ STP-WRP OPERATIONS AND MAINTENANCE MANAGEMENT 2021
Operations	24 hours, 7 days a week
- For those who are required to work on special days and regular holidays (Electrician, Mechanic Pipe Fitter, Driver/Mechanic, Welder, Operator)	393.5 days annually (32.792 days/month)
- For those who are not required to work on special days and regular holidays (Plant Supervisor, Administrative Officer Registered Electrical Engineer, Utility Staff)	313 days annually (26.083 days/month)
Employee Shifts	3 shifts (6AM-2PM, 2PM-10 PM, 10PM-6AM) 1 day off

Designation	No. of Person	No. of Days	Daily Basic Rate	Annual Amount
A. LABOR				
A.1. WAGE				
a. PLANT SUPERVISOR	1	26.083		
b. ADMINISTRATIVE OFFICER	1	26.083		
c. REGISTERED ELECTRICAL ENGINEER	1	26.083		
d. ELECTRICIAN	1	32.792		
e. MECHANIC PIPE FITTER	1	32.792		
f. DRIVER / MECHANIC	1	32.792		
g. WELDER	1	32.792		
h. OPERATOR	4	32.792		
i. UTILITY STAFF	5	26.083		
A.1. WAGE TOTAL				
	No. of Person	Monthly Rate (26.083 days/mo)	Monthly SSS and Contribution	Annual Amount
A.2. SSS AND EC (2021 Contribution Rate)				
a. PLANT SUPERVISOR	1			
b. ADMINISTRATIVE OFFICER	1			
c. REGISTERED ELECTRICAL ENGINEER	1			
d. ELECTRICIAN	1			
e. MECHANIC PIPE FITTER	1			
f. DRIVER / MECHANIC	1			
g. WELDER	1			
h. OPERATOR	4			
i. UTILITY STAFF	5			
A.2. SSS AND EC TOTAL				
	No. of Person	Monthly Rate (26.083 days/mo)	Monthly PhilHealth Contribution (3.5%)	Annual Amount
A.3. PHILHEALTH (2021 Contribution Rate)				
a. PLANT SUPERVISOR	1			
b. ADMINISTRATIVE OFFICER	1			
c. REGISTERED ELECTRICAL ENGINEER	1			
d. ELECTRICIAN	1			
e. MECHANIC PIPE FITTER	1			
f. DRIVER / MECHANIC	1			
g. WELDER	1			
h. OPERATOR	4			
i. UTILITY STAFF	5			
A.3. PHILHEALTH TOTAL				
	No. of Person	Monthly Rate (26.083 days/mo)	Monthly PAGIBIG Contribution	Annual Amount
A.4. PAGIBIG (2021 Contribution Rate)				
a. PLANT SUPERVISOR	1			
b. ADMINISTRATIVE OFFICER	1			
c. REGISTERED ELECTRICAL ENGINEER	1			
d. ELECTRICIAN	1			
e. MECHANIC PIPE FITTER	1			
f. DRIVER / MECHANIC	1			
g. WELDER	1			
h. OPERATOR	4			
i. UTILITY STAFF	5			
A.4. PAGIBIG TOTAL				

		No. of Person	13th Month Pay (Monthly Basic Rate less Premium Pays - 313 days or 26.083 days/mo)		Annual Amount
A.5. 13TH MONTH PAY					
a. PLANT SUPERVISOR		1			
b. ADMINISTRATIVE OFFICER		1			
c. REGISTERED ELECTRICAL ENGINEER		1			
d. ELECTRICIAN		1			
e. MECHANIC PIPE FITTER		1			
f. DRIVER / MECHANIC		1			
g. WELDER		1			
h. OPERATOR		4			
i. UTILITY STAFF		5			
A.5. 13TH MONTH PAY TOTAL					
		No. of Person	No. of Days	Daily Rate	Annual Amount
A.6. FIVE DAYS INCENTIVE LEAVE					
a. PLANT SUPERVISOR		1	5		
b. ADMINISTRATIVE OFFICER		1	5		
c. REGISTERED ELECTRICAL ENGINEER		1	5		
d. ELECTRICIAN		1	5		
e. MECHANIC PIPE FITTER		1	5		
f. DRIVER / MECHANIC		1	5		
g. WELDER		1	5		
h. OPERATOR		4	5		
i. UTILITY STAFF		5	5		
A.6. FIVE DAYS INCENTIVE LEAVE TOTAL					
		No. of Person	Hourly Rate (10% of daily basic rate at 26.083 days/mo)	Daily Night Premium Rate (8 hrs duty)	Annual Amount (393.5 days)
A.7. NIGHT DIFFERENTIAL					
h. OPERATOR (10 PM - 6 AM Shift)		1			
A.7. NIGHT DIFFERENTIAL TOTAL					
SUM TOTAL FOR A (A.1 + A.2 + A.3 + A.4 + A.5 + A.6 + A.7)					
Name and Capacity		No. of Units	No. of Days	Daily Rate	Annual Amount
B. Equipment					
a. Vehicle (Minimum Requirement: Multicab; ELS = 5 years) ELS = Expected Life Span Gasoline (liters)		1 3 (liters/day)	annual 26.083	[leave blank] (Php/liters)	
Oils & Lubricants (5% of fuel cost)		lot	[leave blank]	[leave blank]	
Equipment registration renewal and maintenance including tire & etc.		lot	[leave blank]	[leave blank]	
b. Communication (data for 4 units)		4	26.083		
SUM TOTAL FOR B P					
Specification		Unit	Quantity	Unit Cost	Annual Amount
C. Material					
1. Weekly Influent and Effluent Sampling (2 points) (DO, BOD, TSS, Oil&Grease, Ammonia, Nitrate, Phosphate, Surfactants, Color, Temperature, pH, Fecal Coliform)		lot	104		
2. Uniform (Pants and Shirts) - 3 sets per person		lot	16		
3. 4. Personal Protective Equipment for Operations (See Annex A for Breakdown)		lot	10		
4. Personal Protective Equipment for Admin. Officer and Utility (See Annex A for Breakdown)		lot	6		
5. Wrenches (Socket Wrench (set) with ratchet, Box Wrench (set), Open end Wrench (set), Adjustable Wrench, Monkey Wrench, Torque Wrench)		set	1		
6. Pliers (Gripping, Needle Nose, Pinch off, and Diagonal Cutting)		set	1		
7. Screw Driver Set (Philips and Standard Tip in various sizes)		set	1		
8. Clamp Ammeter		unit	1		

9. Multi-meter Tester	unit	1		
10. Lock Ring Remover	unit	1		
11. Grease Gun	unit	1		
12. Gear Puller	unit	1		
13. Electric Drill with assorted Drill Bits	set	1		
14. Angle Grinder	unit	1		
15. Allen Wrench (assorted sizes)	set	1		
16. Tool Box	unit	1		
17. Chain Block (3 tons)	unit	1		
18. Flashlight	unit	2		
19. Assorted Hammers (ball peen, claw, plastic tip, etc.)	set	1		
20. Center Punch (assorted sizes)	set	1		
21. Assorted Chisel	set	1		
22. Pick Mattock	unit	1		
23. Bolo	unit	2		
24. Caliper	unit	1		
25. Side Cutter	unit	1		
26. Air Compressor	unit	1		
27. Bench Vise	unit	1		
28. Weighing Scale (20-50 kgs)	unit	1		
29. Pipe Vise	unit	1		
30. Welding Machine	unit	1		
31. Wheelbarrow	unit	2		
32. Insulation Resistance Tester (Megger Tester)	unit	1		
33. Fusion Welding Machine	unit	1		
Note: ELS of items 5-33: 3 years)				
SUM TOTAL FOR C			P	
D.	Direct Cost (A+B+C)			
E.	Administrative Overhead	15% of D	Range: 10-15%	
F.	Value Added Tax (VAT)			12% of A
G.	TOTAL (D+E+F)			

BIDDING PRICE

(annual)

Name: _____
 Designation: _____
 Date Signed: _____