

## DETAILED UNIT PRICE ANALYSIS (DUPA)

**Project** : DFA Main Building Waterproofing and other Plumbing works  
**Item No./ Description** : Waterproofing works  
**Unit of Measurement** : sq.m.  
**Output per hour** : 1

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
<b>A.</b>	<b>Labor</b>				
	Foreman	1			
	Skilled	1			
	Sub-Total for A				0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
<b>B.</b>	<b>Equipment</b>				
	Hand tools	1			
	Sub-Total for B				0
<b>C.</b>	Total (A+B)				0.00
<b>D.</b>	Output per Hour =				1.00
<b>E.</b>	Direct Unit Cost (C+D)				0.00
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
<b>F.</b>	<b>Materials</b>				
	Materials for Surface preparation (removal of existing waterproofing)	sq.m.	1.00		
	Liquid applied, Rapid-Cure. 1-component Polyurethane Roof Waterproofing membrane (Sikalastic-632 R or equivalent) 2 (two) coats	sq.m.	1.00		
	Consumables				
	Paint rollers/ brushes/ etc. (assorted)	lot	1.00		
	Sub-Total for F				0.00
<b>G.</b>	Direct Unit Cost (E + F)				0.00
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			8% of G	0.00
<b>I.</b>	Contractor's Profit (CP)			8% of G	0.00
<b>J.</b>	Value Added Tax (VAT)			5% of (G+H+I)	0.00
<b>K.</b>	Total Unit Cost			(G+H+I+J)	0.00

## DETAILED UNIT PRICE ANALYSIS (DUPA)

**Project** : DFA Main Building Waterproofing and other Plumbing works  
**Item No./ Description** : Engineering Design of new storm drainage system bypass  
**Unit of Measurement** : lot  
**Output per hour** : 1

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
<b>A.</b>	<b>Labor</b>				
	CAD Operator/ Draftsmen	1			
	Engineer	1			
	Sub-Total for A				0.00
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
<b>B.</b>	<b>Equipment</b>				
	Sub-Total for B				0
<b>C.</b>	Total (A+B)				0.00
<b>D.</b>	Output per Hour =				1.00
<b>E.</b>	Direct Unit Cost (C+D)				0.00
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
<b>F.</b>	<b>Materials</b>				
	A3 size complete engineering drawings and bill of quantities	lot	1.00		
	Hard Copies (Printing, Plotting)				
	Sub-Total for F				0.00
<b>G.</b>	Direct Unit Cost (E + F)				0.00
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			8% of G	0.00
<b>I.</b>	Contractor's Profit (CP)			8% of G	0.00
<b>J.</b>	Value Added Tax (VAT)			5% of (G+H+I)	0.00
<b>K.</b>	Total Unit Cost			(G+H+I+J)	0.00

## DETAILED UNIT PRICE ANALYSIS (DUPA)

**Project** : DFA Main Building Waterproofing and other Plumbing works  
**Item No./ Description** : Construction of the approved new storm drainage system bypass  
**Unit of Measurement** : lot  
**Output per hour** : 1

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
<b>A.</b>	<b>Labor</b>				
	Foreman	1			
	Skilled	1			
	Sub-Total for A				0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
<b>B.</b>	<b>Equipment</b>				
	Hand tools	1			
	Scaffolding	4			
	Sub-Total for B				0
<b>C.</b>	Total (A+B)				0
<b>D.</b>	Output per Hour =				1.00
<b>E.</b>	Direct Unit Cost (C+D)				0
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
<b>F.</b>	<b>Materials</b>				
	Construction of approved new storm drainage system bypass	lot			
	Sub-Total for F				0.00
<b>G.</b>	Direct Unit Cost (E + F)				0.00
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			8% of G	0.00
<b>I.</b>	Contractor's Profit (CP)			8% of G	0.00
<b>J.</b>	Value Added Tax (VAT)			5% of (G+H+I)	0.00
<b>K.</b>	Total Unit Cost			(G+H+I+J)	0.00

## DETAILED UNIT PRICE ANALYSIS (DUPA)

**Project** : DFA Main Building Waterproofing and other Plumbing works  
**Item No./ Description** : Mobilization/ Demobilization  
**Unit of Measurement** : lot  
**Output per hour** : 1

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
<b>A.</b>	<b>Labor</b>				
	Sub-Total for A				0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
<b>B.</b>	<b>Equipment</b>				
	Trailer truk	1			
	Sub-Total for B				0
<b>C.</b>	Total (A+B)				0
<b>D.</b>	Output per Hour =				1.00
<b>E.</b>	Direct Unit Cost (C+D)				0
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
<b>F.</b>	<b>Materials</b>				
	Sub-Total for F				0
<b>G.</b>	Direct Unit Cost (E + F)				0
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			4% of G	0
<b>I.</b>	Contractor's Profit (CP)			4% of G	0
<b>J.</b>	Value Added Tax (VAT)			5% of (G+H+I)	0
<b>K.</b>	Tota Unit Cost			(G+H+I+J)	0

## DETAILED UNIT PRICE ANALYSIS (DUPA)

**Project** : DFA Main Building Waterproofing and other Plumbing works  
**Item No./ Description** : Temporary Facilities (Offices, work shops, storage, office supplies and workmen accomodation for contractor)  
**Unit of Measurement** : lot  
**Output per hour** : 1

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
<b>A.</b>	<b>Labor</b>				
	Foreman	1			
	Skilled Labor	3			
	Sub-Total for A				0.00
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
<b>B.</b>	<b>Equipment</b>				
	Printing Supplies for reports and other pertinent documents required	LS			
	Sub-Total for B				0
<b>C.</b>	Total (A+B)				0.00
<b>D.</b>	Output per Hour =				1.00
<b>E.</b>	Direct Unit Cost (C+D)				0.00
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
<b>F.</b>	<b>Materials</b>				
	Temporary Facilities (Offices, work shop, storage, office supplies and workmen accomodation for contractor)	months	1.00		
	Sub-Total for F				0
<b>G.</b>	Direct Unit Cost (E + F)				0.00
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			4% of G	0.00
<b>I.</b>	Contractor's Profit (CP)			4% of G	0.00
<b>J.</b>	Value Added Tax (VAT)			5% of (G+H+I)	0.00
<b>K.</b>	Tota Unit Cost			(G+H+I+J)	0.00

## DETAILED UNIT PRICE ANALYSIS (DUPA)

**Project** : DFA Main Building Waterproofing and other Plumbing works  
**Item No./ Description** : Permits, Fees and Clearances  
**Unit of Measurement** : L.S.  
**Output per hour** : 1

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
<b>A.</b>	<b>Labor</b>				
	Liason	1	1		
	Sub-Total for A				0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
<b>B.</b>	<b>Equipment</b>				
	Sub-Total for B				0
<b>C.</b>	Total (A+B)				0
<b>D.</b>	Output per Hour = 1.00				
<b>E.</b>	Direct Unit Cost (C+D)				0
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
<b>F.</b>	<b>Materials</b>				
	Building Permit, Fees and Clearance:	lump sum	1.00		
	BOQ/DUPA	lump sum	1500.00		
	Specifications including quotations	lump sum	1000.00		
	Sub-Total for F				0
<b>G.</b>	Direct Unit Cost (E + F)				0
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			4% of G	0
<b>I.</b>	Contractor's Profit (CP)			4% of G	
<b>J.</b>	Value Added Tax (VAT)			5% of (G+H+I)	0
<b>K.</b>	Total Unit Cost			(G+H+I+J)	0

## DETAILED UNIT PRICE ANALYSIS (DUPA)

**Project** : DFA Main Building Waterproofing and other Plumbing works  
**Item No./ Description** : Bonds, Sureties & Insurances  
**Unit of Measurement** : L.S.  
**Output per hour** : 1

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
<b>A.</b>	<b>Labor</b>				
	Liason	1	1		
	Sub-Total for A				0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
<b>B.</b>	<b>Equipment</b>				
	Sub-Total for B				0
<b>C.</b>	Total (A+B)				0
<b>D.</b>	Output per Hour =				1.00
<b>E.</b>	Direct Unit Cost (C+D)				0
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
<b>F.</b>	<b>Materials</b>				
	Guarantee and Surety Bonds	lump sum	1.00		
	Contractor's All Risk Insurance/ Bonc	lump sum	1.00		
	Warranty Bonds	lump sum	1.00		
	Sub-Total for F				0
<b>G.</b>	Direct Unit Cost (E + F)				0
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			4% of G	0
<b>I.</b>	Contractor's Profit (CP)			4% of G	
<b>J.</b>	Value Added Tax (VAT)			5% of (G+H+I)	0
<b>K.</b>	Total Unit Cost			(G+H+I+J)	0

## DETAILED UNIT PRICE ANALYSIS (DUPA)

**Project** : DFA Main Building Waterproofing and other Plumbing works  
**Item No./ Description** : Conduct Testing and commissioning including leak tests  
**Unit of Measurement** : L.S.  
**Output per hour** : 1

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
<b>A.</b>	<b>Labor</b>				
	Labor	1	8		
	Sub-Total for A				0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
<b>B.</b>	<b>Equipment</b>				
	Sub-Total for B				0
<b>C.</b>	Total (A+B)				0
<b>D.</b>	Output per Hour = 1.00				
<b>E.</b>	Direct Unit Cost (C+D)				0
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
<b>F.</b>	<b>Materials</b>				
	Testing and commissioning (for leak tests of waterproofing and plumbing system)	lump sum	1.00		
	Sub-Total for F				0
<b>G.</b>	Direct Unit Cost (E + F)				0.00
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			4% of G	0.00
<b>I.</b>	Contractor's Profit (CP)			4% of G	0.00
<b>J.</b>	Value Added Tax (VAT)			5% of (G+H+I)	0.00
<b>K.</b>	Tota Unit Cost			(G+H+I+J)	0.00



## DETAILED UNIT PRICE ANALYSIS (DUPA)

**Project** : DFA Main Building Waterproofing and other Plumbing works  
**Item No./ Description** : Project engineer/Safety Officer  
**Unit of Measurement** : L.S.  
**Output per hour** : 1

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
<b>A.</b>	<b>Labor</b>				
	Engineer/ Safety Officer	1			
	Safety aide	1			
	Sub-Total for A				0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
<b>B.</b>	<b>Equipment</b>				
	Sub-Total for B				0
<b>C.</b>	Total (A+B)				0
<b>D.</b>	Output per Hour =				1.00
<b>E.</b>	Direct Unit Cost (C+D)				0
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
<b>F.</b>	<b>Materials</b>				
	Sub-Total for F				0
<b>G.</b>	Direct Unit Cost (E + F)				0.00
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			4% of G	0.00
<b>I.</b>	Contractor's Profit (CP)			4% of G	0.00
<b>J.</b>	Value Added Tax (VAT)			5% of (G+H+I)	0.00
<b>K.</b>	Tota Unit Cost			(G+H+I+J)	0.00

## DETAILED UNIT PRICE ANALYSIS (DUPA)

**Project** : DFA Main Building Waterproofing and other Plumbing works  
**Item No./ Description** : Produce and provide shop drawings.  
**Unit of Measurement** : L.S.  
**Output per hour** : 1

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
<b>A.</b>	<b>Labor</b>				
	Engineer	1			
	CAD Operator/ Draftsmen	1			
	Sub-Total for A				0.00
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
<b>B.</b>	<b>Equipment</b>				
	Sub-Total for B				0
<b>C.</b>	Total (A+B)				0.00
<b>D.</b>	Output per Hour =				1.00
<b>E.</b>	Direct Unit Cost (C+D)				0.00
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
<b>F.</b>	<b>Materials</b>				
	Hard copies (blue print and white print	lump sum	1.00		
	Sub-Total for F				0
<b>G.</b>	Direct Unit Cost (E + F)				0.00
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			4% of G	0.00
<b>I.</b>	Contractor's Profit (CP)			4% of G	0.00
<b>J.</b>	Value Added Tax (VAT)			5% of (G+H+I)	0.00
<b>K.</b>	Tota Unit Cost			(G+H+I+J)	0.00

## DETAILED UNIT PRICE ANALYSIS (DUPA)

**Project** : DFA Main Building Waterproofing and other Plumbing works  
**Item No./ Description** : Produce and print Bill of Materials, Bill of Quantities and As-Built Drawings including Architectural, Structural, Sanitary/Plumbing, Electrical, Mechanical and Fire Protection.  
**Unit of Measurement** : L.S.  
**Output per hour** : 1

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
<b>A.</b>	<b>Labor</b>				
	Engineer	1			
	CAD Operator/ Draftsmen	1			
	Sub-Total for A				0.00
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
<b>B.</b>	<b>Equipment</b>				
	Sub-Total for B				0
<b>C.</b>	Total (A+B)				0.00
<b>D.</b>	Output per Hour =				1.00
<b>E.</b>	Direct Unit Cost (C+D)				0.00
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
<b>F.</b>	<b>Materials</b>				
	Hard copies (blue print and white print	lump sum	1.00		
	Sub-Total for F				0
<b>G.</b>	Direct Unit Cost (E + F)				0.00
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			4% of G	0.00
<b>I.</b>	Contractor's Profit (CP)			4% of G	0.00
<b>J.</b>	Value Added Tax (VAT)			5% of (G+H+I)	0.00
<b>K.</b>	Total Unit Cost			(G+H+I+J)	0.00

## DETAILED UNIT PRICE ANALYSIS (DUPA)

**Project** : DFA Main Building Waterproofing and other Plumbing works  
**Item No./ Description** : Temporary Safety, First Aid Facilities & Equipment  
**Unit of Measurement** : L.S.  
**Output per hour** : 1

	Designation	No. of Person/s	No. of Month	Hourly Rate	Amount (Php)
<b>A.</b>	<b>Labor</b>				
	Labor	3	1		
	Sub-Total for A				0.00
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
<b>B.</b>	<b>Equipment</b>				
	Sub-Total for B				0
<b>C.</b>	Total (A+B)				0.00
<b>D.</b>	Output per Hour =				1.00
<b>E.</b>	Direct Unit Cost (C+D)				0.00
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
<b>F.</b>	<b>Materials</b>				
	OSHA ANSI First Aid Kit	lump sum	1.00		
	Scaffolding rent	sets	5.00		
	Barriers and safety nets	mos	1.00		
	Caution tape 300 per roll	roll	2.00		
	Personal Protective Equipments	sets	1.00		
	Safety Signages	lump sum	1.00		
	Sub-Total for F				0
<b>G.</b>	Direct Unit Cost (E + F)				0.00
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			4% of G	0.00
<b>I.</b>	Contractor's Profit (CP)			4% of G	0.00
<b>J.</b>	Value Added Tax (VAT)			5% of (G+H+I)	0.00
<b>K.</b>	Total Unit Cost			(G+H+I+J)	0.00

## DETAILED UNIT PRICE ANALYSIS (DUPA)

**Project** : DFA Main Building Waterproofing and other Plumbing works  
**Item No./ Description** : Safety requirements againts COVID19 under DPWH DO.39  
**Unit of Measurement** : L.S.  
**Output per hour** : 1

	Designation	No. of Person/s	No. of Month	Hourly Rate	Amount (Php)
<b>A.</b>	<b>Labor</b>				
	Duration 180 days				
	Sanitation aide	1	180		
	Sub-Total for A				0.00
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
<b>B.</b>	<b>Equipment</b>				
	Rent basis				
	Portable mist-based sanitation tent	1	1440		
	Thermal scanner	1	1440		
	Power sprayer with complete accessories	1	1440		
	Sub-Total for B				0
<b>C.</b>	Total (A+B)				0.00
<b>D.</b>	Output per Hour =	1.00			
<b>E.</b>	Direct Unit Cost (C+D)				0.00
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
<b>F.</b>	<b>Materials</b>				
	Vest	m-days	4140.00		
	Rain coats	m-days	2070.00		
	Disposable Dust Mask	m-days	2070.00		
	Body Harness and lanyard	m-days	4140.00		
	Eye goggles	m-days	180.00		
	Surgical mask	m-days	4140.00		
	Ethyl alcohol	liters	120.00		
	Liquid hand soap	liters	120.00		
	RT-PCR swab test	each	23.00		
	Disinfection Spray	can	120.00		
	Paracetamol	pcs	828.00		
	Vitamins (Vitamins C with Zinc)	pcs	2070.00		
	Sub-Total for F				0
<b>G.</b>	Direct Unit Cost (E + F)				0.00
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses		4% of G		0.00
<b>I.</b>	Contractor's Profit (CP)		4% of G		0.00
<b>J.</b>	Value Added Tax (VAT)		5% of (G+H+I)		0.00
<b>K.</b>	Tota Unit Cost		(G+H+I+J)		0.00

## DETAILED UNIT PRICE ANALYSIS (DUPA)

**Project** : DFA Main Building Waterproofing and other Plumbing works  
**Item No./ Description** : Cleaning and Waste Management  
**Unit of Measurement** : months  
**Output per hour** : 1

	Designation	No. of Person/s	No. of Month	Hourly Rate	Amount (Php)
<b>A.</b>	Labor				
	Sub-Total for A				0.00
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
<b>B.</b>	Equipment				
	Sub-Total for B				0
<b>C.</b>	Total (A+B)				0.00
<b>D.</b>	Output per Hour =				1.00
<b>E.</b>	Direct Unit Cost (C+D)				0.00
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
<b>F.</b>	Materials				
	Trash bins/cans	lump sum	1.00		
	Consumables (sako bags etc)	lump sum	1.00		
	Construction debris hauling services and disposal	per trip	1.00		
	Sub-Total for F				0
<b>G.</b>	Direct Unit Cost (E + F)				0.00
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			4% of G	0.00
<b>I.</b>	Contractor's Profit (CP)			4% of G	0.00
<b>J.</b>	Value Added Tax (VAT)			5% of (G+H+I)	0.00
<b>K.</b>	Total Unit Cost			(G+H+I+J)	0.00