

BILL OF QUANTITIES

Project Title: Construction of NMIS RTOC VIII Administrative Building at Government Center, Pawing, Palo, Leyte
Project Duration: One Hundred Fifty (150) calendar days

ITEM	DESCRIPTION	UNIT	QTY.	UNIT COST	Total Cost	
I	CIVIL WORKS					
	Site Clearing, Layout & Staking	m2	733.00			
	Demolition and Disposal	lot	1.00			
	Excavation	m ³	329.47			
	Backfill (Selected Borrow)	m ³	676.44			
	Gravel Bedding	m2	109.28			
	Soil Poisoning	m2	328.74			
	Damp Proofing (Polyethylene Sheet 0.15mm thk)	m2	303.72			
					Materials Cost:	
					Labor cost:	
II	STRUCTURAL WORKS					
	A FOOTING	Ready-Mix Concrete (4000 psi @ 28 days)	m3	26.05		
		Reinforcing Steel Bars (grade 60)	kg	1,094.41		
		#16 Tie Wire	kg	7.00		
	B WALL FOOTING	Ready-Mix Concrete (4000 psi @ 28 days)	m3	7.51		
		Reinforcing Steel Bars (grade 60)	kg	568.14		
		#16 Tie Wire	kg	12.00		
	C FTB	Ready-Mix Concrete (4000 psi @ 28 days)	m3	19.54		
		Reinforcing Steel Bars (grade 60)	kg	4,128.00		
		#16 Tie Wire	kg	41.85		
D SOG	Ready-Mix Concrete (4000 psi @ 28 days)	m3	31.97			
	Reinforcing Steel Bars (grade 40)	kg	1,618.00			
	#16 Tie Wire	kg	25.00			
E COLUMN	Ready-Mix Concrete (4000 psi @ 28 days)	m3	38.10			
	Reinforcing Steel Bars (grade 60)	kg	17,458.29			
	#16 Tie Wire	kg	189.51			
F S-SLAB	Ready-Mix Concrete (4000 psi @ 28 days)	m3	54.32			
	Reinforcing Steel Bars (grade 60)	kg	4,332.89			
	#16 Tie Wire	kg	50.03			
G BEAMS & GIRDERS	Ready-Mix Concrete (4000 psi @ 28 days)	m3	53.00			
	Reinforcing Steel Bars (grade 60)	kg	16,593.23			
	#16 Tie Wire	kg	291.82			
H STAIRS, PWD RAMP	Ready-Mix Concrete (3000 psi)	m3	29.20			
	Reinforcing Steel Bars (grade 40)	kg	1,614.28			
	#16 Tie Wire	kg	30.00			
I CANOPY	Ready-Mix Concrete (3000 psi)	m3	1.91			
	Reinforcing Steel Bars (grade 40)	kg	241.63			
	#16 Tie Wire	kg	3.18			
J SEPTIC TANK	Ready-Mix Concrete (3000 psi)	m3	4.64			
	Reinforcing Steel Bars (grade 40)	kg	194.15			
	#16 Tie Wire	kg	5.05			
				Materials Cost:		
				Labor cost:		
K	STRUCTURAL STEEL					
	3"x 3"x 1/4" Angle Bar	pcs	126.00			
	3-1/2"x 3-1/2"x 1/2" Angle Bar	pcs	17.00			
	2-1/2"x 2-1/2"x 1/4" Angle Bar	pcs	6.00			

ITEM	DESCRIPTION	UNIT	QTY.	UNIT COST	Total Cost
	2" x 2"x 1/4" Angle Bar	pcs	171.00		
	2" x 2"x 3/8" Angle Bar	pcs	40.00		
	1-1/2" x 1-1/2"x 1/4"	pcs	36.00		
	32mm dia Rod with Turnbuckle	pcs	2.00		
	3" GI Pipe	pcs	2.00		
	2" GI Pipe	pcs	6.00		
	4'x8'x3mm thk checkered plate	shts	3.00		
	GA #15x50x150x150 G.I C-PURLINS	pcs	111.00		
	5/8"x8"x2" xAnchor Bolts w/ nuts & washer	pcs	192.00		
	12mm sag rod	pcs	18.00		
	Gusset Plate	shts	6.00		
	Consumbles (canopy)	lot	1.00		
				Materials Cost:	
				Labor&Equipment Cost:	
L	ROOFING				
	GA 24 Prepainted Longspan Ribtype Roofing	m2	394.02		
	10mm thk double sided Polyethylene Foam Dual Face Aluminized	roll	5.00		
	Chicken Wire Mesh	roll	7.00		
	Tekscrew	pcs	1,000.00		
	Prepainted Ridge Roll	pcs	36.00		
	600mm Prepainted Gutter	pcs	36.00		
	Blind Rivet	pcs	1,500.00		
				Materials Cost:	
				Labor cost:	
M	CARPENTRY WORKS (FORMWORKS,SCAFFOLDING&STAGING)				
	1/4"x4'x8' Marine Plywood	sht.	120.00		
	2"x3" x10' Rough Lumber	pcs	11,365.00		
	#2 1/2 Common Wire Nails	kg	30.00		
	#1 Common Wire Nails	kg	12.00		
	#4 Finishing Nails	kg	50.00		
				Materials Cost:	
				Labor cost:	
N	CATCH BASIN	pcs	14.00		
				Subtotal:	
O	MASONRY WORKS				
	6" CHB	pcs	5,820.00		
	4" CHB	pcs	8,588.00		
	Portland Cement	bgs	796.00		
	Sand	m3	65.00		
	Reinforcing Bars	kg	2,935.00		
	#16 tie wire	kg	50.00		
				Materials Cost:	
				Labor cost:	
P	PLASTERING				
	Portland Cement	bgs	1,071.00		
	Sand	m3	64.00		
				Materials Cost:	
				Labor cost:	
III	ARCHITECTURAL WORKS				
A	DOORS AND WINDOWS (includes installation)				
	D1 - Double Swing Glass Door with Aluminum Powder coated Framing (top and bottom), 2.10m H x 2.10m W with 10mm thk. Tinted Tempered Glass complete with accessories and fittings	set	1.00		
	D2 - Wooden Swing Flush Door, 2.10m H x 1.05m W with 10mm thk. Fixed Tempered Glass complete with accessories and fittings	set	8.00		
	D3 - Wooden Swing Flush Door, 2.10m H x 0.85m W complete with accessories and fittings	set	5.00		
	D4 -Steel Flush Swing Door with louvers, 2.10m H x 1.05m W complete with accessories and fittings	set	4.00		
	D5 - PVC Door with Louvers and complete accessories and fittings, 2.10m H x 0.95m W	set	6.00		

ITEM	DESCRIPTION	UNIT	QTY.	UNIT COST	Total Cost
	D6 - PVC Door with Louvers and complete accessories and fittings, 2.10m H x 0.65m W	set	7.00		
	D7 - Wooden Swing Flush Door, 2.10m H x 1.05m W complete with accessories and fittings	set	4.00		
	D8 - Double Swing Glass Door with Aluminum Powder coated Framing (top and bottom), 2.10m H x 1.70m W with 10mm thk. Tinted Tempered Glass complete with accessories and fittings	set	1.00		
	D9 - Double Swing Glass Door with Aluminum Powder coated Framing (top and bottom), 2.10m H x 1.50m W with 10mm thk. Tinted Tempered Glass complete with accessories and fittings	set	1.00		
	D10 - Double Swing Steel Flush Door with louvers, 1.50m H x 0.90m W complete with accessories and fittings	set	1.00		
	W1 - Sliding Glass Window with Aluminum Powder Coated Framing, 10mm thk. Tinted Tempered glass and screen , 1.60m W x 1.20m H	set	9.00		
	W2 - Sliding Glass Window with Aluminum Powder Coated Framing, 10mm thk. Tinted Tempered glass and screen , 1.20m W x 1.20m H	set	15.00		
	W3 - Fixed Glass Window with Aluminum Powder Coated Framing with 10mm thk. Tinted Tempered Clear Glass, 1.20m W x 1.20m H	set	4.00		
	W4 - Awning Glass Window, 0.60m H x 0.60m W with fixed window, 0.60m W x 0.60m H in Aluminum Powder Coated Framing with 10mm thk. Tempered Clear Glass and screen	set	1.00		
	W5 - Awning Glass Window, 0.50m H x 1.00m W in Aluminum Powder Coated Framing with 10mm thk. Tempered Clear Glass and screen	set	6.00		
	W6 - Awning Glass Window, 0.50m H x 0.50m W in Aluminum Powder Coated Framing with 10mm thk. Tempered Clear Glass and screen	set	9.00		
	W7 - 10mm thk. Tinted Tempered Fixed Glass with Awning Windows in Aluminum Powder Coated Framing, 3.35m H x 2.85m W, 2 sets	m ²	19.10		
	W8 - 10mm thk. Tinted Tempered Fixed Glass with Awning Windows in Aluminum Powder Coated Framing, 3.35m H x 4.55m W, 2 sets	m ²	30.48		
	W9 - 10mm thk. Tinted Tempered Fixed Glass with Awning Windows in Aluminum Powder Coated Framing, 3.35m H x 2.70m W, 2 sets	m ²	18.09		
	W10 - 10mm thk. Tinted Tempered Fixed Glass with Awning Windows in Aluminum Powder Coated Framing, 3.35m H x 2.98m W, 1 sets	m ²	9.98		
	W11 - 10mm thk. Tinted Tempered Fixed Glass with Awning Windows in Aluminum Powder Coated Framing, 1.45m H x 2.85m W, 1 sets	m ²	4.13		
	W12 - Awning Glass Window, 0.50m H x 1.00m W in Aluminum Powder Coated Framing with 10mm thk. Tempered Clear Glass and screen	set	1.00		
				Subtotal:	
B	PAINTING WORKS				
B.1	Interior Walls, Columns, Beams				
	First Coating				
	Skimcoat	pail	12.00		
	Second Coating				
	Primer Paint, Flat Latex	pail	5.00		
	Spot Putty, Masonry Putty	pail	5.00		
	Finishing (2 coatings)				
	Top Coat, Latex Paint	pail	18.00		
B.2	Exterior Walls				
	First Coating				
	Skimcoat	pail	10.00		
	Primer (Elastomeric Paint)	pail	5.00		
	Second Coating				
	Masonry Full Putty	pail	4.00		
	Finishing (2 coatings)				
	Elastomeric Paint	pail	18.00		
B.3	Ceiling				

ITEM	DESCRIPTION	UNIT	QTY.	UNIT COST	Total Cost
	Primer, Flat Latex Paint	pail	6.00		
	Full putty	pail	6.00		
	Top Coat (Semi-gloss Latex Paint, 2 coats)	pail	18.00		
B.4	Miscellaneous				
	Roller Brush, 7"	pcs	6.00		
	Roller Brush Pan	pcs	6.00		
	Baby roller brush	pcs	6.00		
	Sand Paper #120	pcs	400.00		
	Paint Brush, 4"	pcs	4.00		
	Paint Brush, 2"	pcs	4.00		
	Rugs	kls	40.00		
	Palette	pairs	6.00		
				Materials Cost:	
				Labor cost:	
				Equipment Rental:	
C	CEILING WORKS				
	Interior Ceiling				
	Carrying Channel 12mm x 38mm x 5m, t=0.80mm spaced @ every 1.20m O.C., BPS Cert.	pcs	105.00		
	Furring Channel, 19mm x 50mm x 5m, t=0.40mm spaced @ every 0.60m O.C., BPS Cert.	pcs	185.00		
	Wall angle, 25mm x 25mm x 0.4mm thk x 3m, t=0.40mm	pcs	120.00		
	W-Clip, double	pcs	870.00		
	Blind Rivets, 1/8 x 3/8 (4-4)	pcs	1,823.00		
	G.I Wire No. 8	lm	445.00		
	Suspension Clip and Rod Joiner	set	445.00		
	Concrete Nails, 1"	kls	6.00		
	9mm x 4' x 8' Gypsum Board	pcs	190.00		
	Gypsum Screw, 1 1/2"	pcs	5,700.00		
	Jointing Compound	bags	40.00		
	Gypsum Tape	pcs	20.00		
	Roof Eaves				
	Spandrel Ceiling, Rib-type, 0.60mm thk.	m ²	105.00		
	Carrying Channel 12mm x 38mm x 5m, t=0.80mm spaced @ every 1.20m O.C., BPS Cert.	pcs	21.00		
	Furring Channel, 19mm x 50mm x 5m, t=0.40mm spaced @ every 0.60m O.C., BPS Cert.	pcs	38.00		
	W-Clip, double	pcs	371.00		
	Blind Rivets, 1/8 x 3/8 (4-4)	pcs	371.00		
	Consumables	l.s.	1.00		
				Materials Cost:	
				Labor cost:	
				Equipment Rental:	
D	TILE WORKS				
D.1	Floor Tiles including Porch and Terrace				
	400mm x 400mm Floor Tiles	pcs	3,280.00		
D.2	Comfort Rooms				
	300mm x 300mm Floor Tiles	pcs	618.78		
	200mm x 300mm Wall Tiles (Floor to Ceiling)	pcs	5,215.00		
D.3	Miscellaneous				
	Tile Grout	kls	50.00		
	Portland Cement	bags	71.00		
	Tile Adhesive	bags	90.00		
				Materials Cost:	
				Labor cost:	
				Equipment Rental:	
E	STEEL RAILINGS & STAIR NOSING				
	2"x 2mm thk. x 20' Stainless Steel Tube, Seamless Sch. 40	pcs	18.00		
	1 1/2"x 1.5mm thk. X 20' Stainless Steel Tube, Seamless Sch. 40	pcs	8.00		
	SS Welding Rod	kgs	8.00		
	Grinding Disk	pcs	10.00		
	Buffing Disk	pcs	10.00		

ITEM	DESCRIPTION	UNIT	QTY.	UNIT COST	Total Cost
	Brass Stair Nosing, 1 1/2" x 20'	pcs	9.00		
	Consumables	l.s.	1.00		
				Materials Cost:	
				Labor cost:	
				Equipment Rental:	
F	ARCHITECTURAL FINISHES				
	Wall Cladding Panel on all exterior columns and porch entry wall	m ²	140.00		
	Aluminum Composite Panel	m ²	173.00		
	2"x6"x20' SUS 304 Seamless Rectangular Tube	pcs	12.00		
	Miscellaneous	lot	1.00		
				Materials Cost:	
				Labor cost:	
				Equipment Rental:	
G	TOILET PARTITIONS				
	Phenolic anti-bacterial water proof Toilet Partition, 12mm thk with back to back HPL Color, includes hinges, Lock Indicator, Bottom Support, door knob and Coat Hook	set	6.00		
	Urinal Divider Panels with complete fittings and accessories	set	4.00		
	PWD HAND RAILS				
	2"x 2mm thk. x 20' Stainless Steel Tube, Seamless Sch. 40	pcs	1.00		
	Consumables	l.s.	1.00		
				Materials Cost:	
				Labor cost:	
				Equipment Rental:	
IV	AIR CONDITIONING UNIT (PACKAGED TYPE), 220V, 1 Phase, 60Hz				
	1.5 HP wall mounted type (inverter)	set	2.00		
	2.0 HP wall mounted type (inverter)	set	6.00		
	2.5 HP wall mounted type (inverter)	set	6.00		
	3.0 HP wall mounted type (inverter)	set	3.00		
	MISCELLANEOUS				
	Refrigerant Piping & accessories	lot	1.00		
	Electrical wiring & accessories				
	Bracket, support and hangers				
	Enamel paint finished				
	Drainage & accessories				
	Other materials for installation				
				Materials Cost:	
				Labor cost:	
				Equipment Rental:	
V	FIRE SUPPRESSION AND PROTECTION SYSTEM				
A	FIRE DETECTION AND ALARM SYSTEM (ADDRESSABLE TYPE)				
	Addressable Fire Alarm Control Panel	assy	1.00		
	With AVR and back-up battery				
	Smoke Detector and heat detector base	pcs	31.00		
	Manual Call Point	pcs	2.00		
	Sounder strobe	pcs	2.00		
	Wires, cables, pipes, conduits and others	lot	1.00		
B	FIRE EXTINGUISHER, DRY CHEMICAL	pcs	26.00		
	Dry chemical, 10 lbs				
	ABC type				
	With complete accessories and hanger				
C	FIRE HOSE AND FIRE DEPARTMENT CONNECTION				
	Siamese, twin-type, 75x65x65mm, UL/FM approved	lot	1.00		
	Brass plug and chain and identification plate				
	Paint Primer				
	QDE Paint, Red				
	Other materials for installation				

ITEM	DESCRIPTION	UNIT	QTY.	UNIT COST	Total Cost
	Complete piping and fittings				
	Fire hose cabinet with complete accessories Glass panel door,32"x27"x7", 1x1 aluminum trimming Double jacket fire hose 15mx1-1/2"Ø Angle valve Nozzle Dry chemical fire extinguisher, 10 lbs With complete pipings and fittings International Red Paint, finish	pc	2.00		
				Materials Cost:	
				Labor cost:	
				Equipment Rental:	
VI	PLUMBING WORKS				
A	FIXTURES				
	Water Closet Specs: With complete fittings and accessories Color: Soft Ivory Dual Flush Buttons: Half and Full Mode Grade A anti-scratch ceramic porcelain With water bidet, chrome -type, Hygeinic toilet Hose shower head set, with complete fittings, stainless steel 304 materials	set	13.00		
	Lavatory Specs: With complete fittings and accessories uncluding faucet Dimension: L450 x W390 x H180 mm Faucet Hole: 28 mm Grade A anti-scratch ceramic porcelain	set	13.00		
	Urinal Specs: With complete fittings and accessories Material: Ceramic Dimension: L720 X W440 X H370mm	set	5.00		
	Soap dispenser Specs: Stainless Steel wall mounted	set	7.00		
	Tissue Holder Material: Stainless Steel polished chrome Size: 18cm*9cm*7.5 cm Wall mounted paper towel holder With cellphone holder on the top	set	13.00		
	Towel Holder Material: Stainless Steel polished chrome With shelf and towel bar Well-polished surface, no sharp edges Wall-mounted towel rack	set	7.00		
	Sink Specs: SuS 304, with universal kitchen handle pull down faucet SIZE: Length 68cm x width 44cm x depth 23cm Includes stainless sink strainers	set	4.00		
	Faucet SUS304 with complete fittings	set	24.00		
	4" x 4" floor drain, stainless	pcs	20.00		
	Water Tank with complete accessories and fittings, Sus 304 and 2000 li capacity	set	2.00		
	Pressured water tank with complete accessories and fittings (200 li capacity)	pc	1.00		
	1 hp motor pump with complete fittings and 1.5 sq. meter pump house	pc	1.00		
	Shower Head with complete fittings and accessories (includes hot and cold Facilities)	set	7.00		
	PVC Solvent	li	5.00		
	Teflon Tape 3/4	rolls	40.00		
B	Waste Pipelines				
	PVC Sanitary Pipe 100mmØ x 3m S1000	length	120.00		
	PVC Sanitary Pipe 75mmØ x 3m S1000	length	15.00		
	PVC Sanitary elbow 75mmØx75mmØ	pcs	35.00		
	PVC Sanitary elbow 100mm (45 deg)	pcs	60.00		
	PVC Sanitary wye 75mmØx100mmØ	pcs	45.00		
	PVC Sanitary wye 100mmØx100mmØ	pcs	38.00		
	125mm dia PVC couplings	pcs	66.00		
	100mm dia PVC couplings	pcs	10.00		
	75mm dia PVC couplings	pcs	10.00		
	75mmx75mm p-trap	pcs	20.00		
	100mmØ PVC Sanitary Clean Out	pcs	15.00		
C	Water Pipelines				
	25mm dia x 3m PVC Pipe	length	30.00		
	3/4" x 3m PVC Pipe	length	25.00		
	1/2"x3m PVC Pipe	length	25.00		
	25mm dia Gate valve	pcs	17.00		
	25mm dia Check valve	pcs	2.00		

ITEM	DESCRIPTION	UNIT	QTY.	UNIT COST	Total Cost
	Elbow (PPR)				
	25mmx25mm dia	pcs	2.00		
	1/2"x1/2" dia	pcs	25.00		
	3/4"x1/2" dia	pcs	55.00		
	3/4"x3/4" dia	pcs	15.00		
	1"x3/4" dia	pcs	7.00		
	Tees (PVC)				
	1/2"x3/4" dia	pcs	20.00		
	3/4"x3/4" dia	pcs	10.00		
	3/4"x1" dia	pcs	15.00		
	1"x1" dia	pcs	4.00		
	Coupling (PPR)				
	3/4"x3/4" dia	pcs	15.00		
	25mmx25mm dia	pcs	15.00		
	1/2"x1/2" dia	pcs	15.00		
				Materials Cost:	
				Labor cost:	
VII					
A	ELETRICAL WORKS				
	WIRES AND CABLES				
	3.5 mm ² THHN CU WIRE	rolls	30.00		
	5.5 mm ² THHN CU WIRE	rolls	20.00		
	8.0 mm ² THHN CU WIRE	rolls	4.00		
	14 mm ² THHN CU WIRE	rolls	3.00		
	22 mm ² THHNCU WIRE	rolls	3.00		
	50mm ² THHN CU WIRE	mts	120.00		
	60 mm ² THHN CU WIRE	mts	150.00		
	125 mm ² THHN CU WIRE	mts	100.00		
B	CIRCUIT BREAKER AND PANEL BOARD				
	15 AMPERE FUSE	pcs	16.00		
	20 AMPERE FUSE	pcs	20.00		
	30 AMPERE FUSE	pcs	20.00		
	50 AMPERE FUSE	pcs	2.00		
	60 AMPERE FUSE	pcs	2.00		
	80 AMPERE FUSE	pcs	2.00		
	150 AMPERE FUSE 3R ENCLOSURE	pcs	2.00		
	50 AMP FUSE PANEL BOX WITH BUS BAR/8 BRANCH CIRCUIT	sets	2.00		
	80 AMP FUSE PANEL BOX WITH BUS BAR/10 BRANCH CIRCUIT	sets	2.00		
	100 AMP FUSE PANEL BOX WITH BUS BAR/10 BRANCH CIRCUIT	sets	2.00		
	MAIN PANEL BOARD WITH 300 AMPERE FUSE WITH 3R ENCLUSURE WITH	pcs	1.00		
	MANUAL TRANSFER SWICTH (MTS) ASSEMBLY BOX with 2-300A CB 3P and bus bar.	sets	1.00		
C	WIRING DEVICES AND SWITCHES				
	WALL SWITCH, FLUSH TYPE SINGLE	pcs	21.00		
	WALL SWITCH, FLUSH TYPE 2 GANG	pcs	17.00		
	WALL SWITCH, FLUSH TYPE 3 GANG	pcs	12.00		
	CONVENIENCE OUTLET, 2 GWATER PROOF TYPE	pcs	6.00		
	CONVENIENCE OUTLET, FLUSH TYPE 2 GANG	pcs	87.00		
	SPECIAL ACCU/REF OUTLET, FLUSH TYPE 1 GANG	PCS	22.00		
	20 mmØ CONDUIT PIPE	pcs	400.00		
	25 mmØ CONDUIT PIPE	pcs	250.00		
	50 mmØ CONDUIT PIPE	pcs	30.00		
	65 mmØ CONDUIT PIPE	pcs	25.00		
	ELBOW 20 mmØ CONDUIT PIPE	pcs	80.00		
	ELBOW 25 mmØ CONDUIT PIPE	pcs	50.00		
	ELBOW 50 mmØ CONDUIT PIPE	pcs	25.00		
	ELBOW 65 mmØ CONDUIT PIPE	pcs	25.00		
	JUNCTION BOX WITH SCREW	pcs	80.00		
	UTILITY BOX	pcs	175.00		
D	LIGHTING FIXTURES, BULBS AND TUBES				
	24"x48", 2X40W eolum RECESSED TYPE ALUMINUM REFLECTOR, led tube	pcs	26.00		
	SQUARE VERTICAL DOWNLIGHT RECESSED TYPE WITH PARTIAL FROSTED GLASS, 4", 1X6W DAYLIGHT LED BULB	pcs	20.00		
	VERTICAL DOWNLIGHT RECESSED TYPE WITH FULL FROSTED GLASS, 5", 1X10W DAYLIGHT LED BULB	pcs	55.00		
	VERTICAL DOWNLIGHT SURFACE TYPE WITH FULL FROSTED GLASS, 5", 1X10W DAYLIGHT LED BULB	pcs	8.00		
	CHANDELIER	pcs	1.00		
	LED STRAIGHT FLOURESCENT TUBE 18 WATTS	pcs	52.00		
	LED BULB 10w, DAYLIGHT	pcs	85.00		
E	METERING PREPARATION/CONSUMABLES				
	ENTRANCE CAP - 65 mmØ	pcs	1.00		

