



Republic of the Philippines
Department of Science and Technology
PHILIPPINE ATMOSPHERIC, GEOPHYSICAL AND ASTRONOMICAL SERVICES ADMINISTRATION

(P A G A S A)

CONSTRUCTION OF PRSD LEGAZPI BUILDING

LEGAZPI, ALBAY

BILL OF QUANTITIES

ITEM NO.	DESCRIPTION	QTY.	UNIT	ESTIMATED DIRECT COST (EDC)			INDIRECT COST (IC)				AMOUNT	UNIT COST
				MATERIALS	EQUIPMENT	LABOR	OVERHEAD (7% - 11% of EDC)	CONTINGENCIES (0.5% - 3% of EDC)	MISCELLANEOUS (0.5% - 1% of EDC)	CONTRACTOR'S PROFIT (up to 5M 10% of EDC, 8% of EDC above 5M)		
I. Other General Requirements												
B.5	Project Billboard/Signage	1.00	ea.									
SPL-1	Occupational Safety and Health Program	1.00	L.S.									
B.9	Mobilization and Demobilization	1.00	L.S.									
Sub-Total for I												
II. Earthworks												
800	Clearing and Grubbing	1.00	L.S.									
803	Structure Excavation (Soft Rock-Manual)	276.45	sq.m.									
1000	Soil Poisoning	375.00	sq.m.									
804(a)	Backfilling Excavated Materials	496.72	cu.m.									
Sub-Total for II												
III. Structural Concrete Works												
804(4)	Gravel Bedding (50mm, Thick) Footing	5.92	cu.m.									
900(1)	Structural Concrete for Footing & Wall Footing, Sun Breaker Footing(Class "A" 28 days) 21MPa	54.63	cu.m.									
902(1)	Reinforcing Steel (Footing, Wall Footing, Sun Breaker Footing), Gr. 60	862.78	kgs.									
903(2)	Forms and Falsework (Footing & Wall Footing)	1.00	L.S.									
900(1)	Structural Concrete for Tie Beam, 2nd Floor Beams, Roof Deck Beams (Class "A" 28 days) 21MPa	74.59	cu.m.									
902(1)	Reinforcing Steel, Tie Beam, 2nd Floor Beams, Roof Deck Beams, Gr. 60	11,704.83	kgs.									
903(2)	Forms and Falsework, Tie Beam, 2nd Floor Beams and Roof Deck Beams, Rental	1.00	L.S.									
900(1)	Structural Concrete for Column (Class "A" 28 days) 21MPa	33.00	cu.m.									
902(1)	Reinforcing Steel Column, Gr. 60	6,541.71	kgs.									
903(2)	Forms and Falsework, Column	1.00	L.S.									
900(1)	Structural Concrete for Slab on Fill, Ground Slab, 2nd Floor Slab, Roof Deck Slab (Class "A" 28 days) 21MPa	119.18	cu.m.									
902(1)	Reinforcing Steel, Slab on Fill, Ground Slab, 2nd Floor Slab, Roof Deck Slab, Gr. 60	10,594.93	kgs.									
903(2)	Forms and Falsework, Slab on Fill, Ground Slab, 2nd Floor Slab, Roof Deck Slab, Penthouse Slab, Rental	1.00	L.S.									
900(1)	Structural Concrete for Ground Stair at Entry Porch, Ground to Roof Deck Stairs, Pathwalk, Ramps (Class "A" 28 days) 21MPa	18.30	cu.m.									



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902(1)	Reinforcing Steel for Ground Stair at Entry Porch, Ground to Roof Deck Stairs, Pathwalk, Ramps, Gr. 60	2,995.62	kgs.									
903(2)	Forms and Falsework, for Ground Stair at Entry Porch, Ground to Roof Deck Stairs, Pathwalk, Ramps	1.00	L.S.									
Sub-Total for III												
IV.	Masonry Works											
1046	150mm. CHB Non Load Bearing - Exterior (incl. Reinforcement and mortar)	570.70	sq.m.									
1046	100mm. CHB Non Load Bearing - Interior (incl. Reinforcement and mortar)	187.87	sq.m.									
1027(1)	Cement Plaster Finish	3,080.47	sq.m.									
Sub-Total for IV												
V.	Finishes											
	Floor											
1018	FF-1, 600mm. X 600mm. Non-skid Granite Tiles	91.25	sq.m.									
1018	FF-2, 800mm. X 800mm. Non-skid Granite Tiles	172.50	sq.m.									
1018	FF-3, 600mm. X 600mm. Synthetic Granite Tiles	37.00	sq.m.									
1018	FF-4, 800mm. X 800mm. Glazed Granite Tiles	150.00	sq.m.									
-	FF-5, Supply and Installation of Carpet Flooring with underlay foam complete	1.00	L.S.									
1018	FF-6, 600mm. X 600mm. Non-skid Granite Tiles w/ PVC Stair Nosing	64.73	sq.m.									
1018	FF-7, 400mm. X 400mm. Non-skid Granite Tiles	257.29	sq.m.									
1016(1)a	FF-8, Waterproofing Cement Base	52.00	sq.m.									
1016(2), 1021(3), 1032(1)a	Waterproofing Bituminous Torch-Membrane w/ 2" concrete topping and top coat finish of two-component water based acrylic epoxy paint	1.00	L.S.									
1002(5)	Granite Countertop for Kitchenette & Confe. Toilet (includes Under Counter Lavatory, 300 x 300 granite wall tiles, Overhead and Under kitchen Cabinet made of 3/4" thick Marine Plywood)	1.00	L.S.									
	Painting Works											
1027	Painting Works (Concrete and Masonry Wall)	4,483.37	sq.m.									
1032(1)c	Painting Works (Metal Painting)	77.65	sq.m.									
1003 (1)	4.5mm. Fiber Cement Board on Metal Frame Ceiling	432.00	sq.m.									



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1051 (1)	Stainless Metal Railings for PWD Ramps, PWD Grab Bars for PWD C.R.'s Stair Railings	1.00	L.S.									
1051 (2)	Metal Railings & Architecturals Tubular Steel	1.00	L.S.									
Doors and Windows												
1012(1)	D1 Double Swing Type Door w/ 1/2" thk. Tempered tinted glass, powder coated frames	5.00	sets									
1012(1)	D2 Sliding Type Door With 1/2" Thk Tempered Glass, powder coated frames, (2 sets)	2.00	sets									
1007	D3 Swing Type Door With 1/2" Thk Tempered Glass, powder coated frames	2.00	sets									
1010(2)b	D4 Panel Type Door With 1/2" Thk Tempered Tinted Glass	3.00	sets									
1010(2)b	D5 Panel Type Door With 1/2" Thk Tempered Tinted Glass, incl. wooden door jamb	2.00	sets									
1010(2)b	D6 Panel Type Door With 1/2" Thk Tempered Tinted Glass	1.00	set									
1010(2)b	D7 Flush Type Door With Louver Air Inlet	1.00	set									
1010(2)b	D8 Louver Type Door	5.00	sets									
1010(2)b	D9 Flush Type Door w/ Kick Plate	3.00	sets									
1012(1)	W-1, 1.4m. X 2.1m, 2" x 5" Powder Coated Aluminum Framing complete with 1/2" thick tempered tinted glass	7.00	sets									
1008	W-2, 1.4m. X 1.2m. , Casement type window Powder Coated Aluminum Framing w/ 1/4" thick tinted fixed glass	10.00	sets									
1008	W-3, 1.4m. X 1.2m. , Fixed type window w/ 1/4" thick tinted fixed glass	2.00	sets									
1008	W-4, 0.7m. X 1.2m. , Casement type window Powder Coated Aluminum Framing w/ 1/4" thick tinted fixed glass	1.00	set									
1008	W-5, 1.8m. X 0.5m. , Awning type window Powder Coated Aluminum Framing w/ 1/4" thick tinted fixed glass	1.00	set									
Sub-Total for V												
VI.	Sanitary / Plumbing Works											
1001(2)	Drain Waste and Vent System (Sanitary Waste System, Storm Drainage, Catch Basin, Septic Tank)	1.00	L.S.									
1002(5)	Plumbing Fixtures	1.00	L.S.									
1002(6)	Cold Water Line System Pipe and Fittings	1.00	L.S.									



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Sub-Total for VI													
VII.	Electrical & Mechanical Works and Fire Alarm System												
1102	Panel Board with Main Breaker/Branches and Surge Protection	1.00	L.S.										
1100,1100(30)	PVC/RSC/IMC/EMT Conduit Fittings / Conduit Works, Boxes and Fittings	1.00	L.S.										
1101(42)	Wires and Wiring Devices	1.00	L.S.										
1103(1)	Lighting Fixtures	1.00	L.S.										
1202(12)	Fire Alarm System	1.00	L.S.										
1200	Supply Delivery, Installation, testing and Commissioning of Air-conditioning Units	1.00	L.S.										
Sub-Total for VII													
TOTAL PROJECT COST													