

BILL OF QUANTITIES

Project : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC
 Location : Fort Bonifacio, Taguig

SUMMARY		
DIV	DESCRIPTION	BID AMOUNT (Php)
I	General Requirements	
	A Facilities for the Engineer	
	B Other General Requirements	
II	Site Development	
	A Earthworks	
	B Subbase and Base Course	
	C Surface Courses	
	D Drainage and Slope Protection Structures	
	E Miscellaneous Structures	
	F Landscaping Works	
	G Exterior Water System	
	H Exterior Sewer System	
	I Storm Drainage System	
	J Exterior Electrical Works	
III	Buildings (Structural, Architectural, Plumbing and Sanitary, Mechanical, Electrical)	
	STS Building	
	A Structural Earthworks	
	B Concrete Works	
	C Metal Works	
	D Architectural Works	
	E Plumbing and Sanitary Works	
	F Mechanical Works	
	G Electrical Works	
	Bridgeway	
	A Structural Earthworks	
	B Concrete Works	
	C Metal Works	
	D Architectural Works	
	E Electrical Works	
	TOTAL BID AMOUNT	

TOTAL BID AMOUNT:

in Figures:

in Words:

Name and Signature of Bidder

Name of Company and Official Stamp of Bidder

Date

:

:

:

Official Stamp

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	TOTAL INDIRECT COST	TOTAL COST
PART A	FACILITIES FOR THE ENGINEER				
A.1.1 (3) a	Field Office for the Engineer, with Pantry and Toilet (Two units 40 Footer Container Van in Rental Basis)	Month	14.00		
A.1.1 (11)	Furniture/Fixture, Equipment and Appliances for the Field Office, Rental Basis	Month	14.00		
A.1.1 (16)	Operation and Maintenance of Field Office for the Engineer	Month	14.00		
A.1.2 (2)	Service Vehicle for the Engineer, Rental Basis	Month	14.00		
A.1.2 (5)	Operation and Maintenance of Service Vehicle for the Engineer	Month	14.00		
A.1.4 (1)	Provision of Progress Photographs	Each	700.00		
A.1.5 (1)	Provision of Communication Facility for the Engineer, Rental Basis	Month	14.00		
	TOTAL COST - PART A				
PART B	OTHER GENERAL REQUIREMENTS				
B.1	Office, Shops, Store, and Workmens Accomodation for Contractor (includes provision of 3 units 40 Footer Container Van in Rental Basis, Temporary Building for Canteen, Workshop, Warehouse and Motorpool)	Month	14.00		
B.2	Medical Room and First Aid Facilities (One Unit 20 Footer Container Van in Rental Basis to be utilized as Clinic Room)	Month	14.00		
B.5	Project Billboards / Signboards	Each	2.00		
B.7 (1)	Occupational Safety and Health Program	Month	14.00		
B.9	Mobilization / Demobilization	Lump Sum	1.00		
B.4 (10)	Miscellaneous Survey and Staking	Lump Sum	1.00		
B.14	Environmental Management and Monitoring	Month	14.00		
SPL(EIS)	Preparation of Environmental Impact Statement/Assesment	Provisional Sum	1.00		
	TOTAL COST - PART B				
	TOTAL COST - PART A & B				

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II	SITE DEVELOPMENT				
PART C	EARTHWORKS				
100 (1)	Clearing and Grubbing	has.	0.31		
100 (3)a1	Individual Removal of Trees, 150 mm Dia to 300 mm Dia., Small	ea.	14.00		
100 (3)a2	Individual Removal of Trees, 301 mm Dia to 500 mm Dia., Small	ea.	13.00		
100 (3)a3	Individual Removal of Trees, 501 mm Dia to 750 mm Dia., Small	ea.	3.00		
100 (3)a4	Individual Removal of Trees, 751 mm Dia to 900 mm Dia., Small	ea.	1.00		
104 (1)a	Embankment from Site Excavation, Common Soil	cu.m.	446.00		
104 (2)a	Embankment from Borrow Fill	cu.m.	3.90		
105 (1)a	Subgrade Preparation, Common Materials	sq.m.	1,262.00		
	TOTAL COST - EARTHWORKS				
PART D	SUBBASE AND BASE COURSE				
201 (1)	Aggregate Base Course	cu.m.	252.40		
	TOTAL COST - SUBBASE AND BASE COURSE				
PART E	SURFACE COURSES				
311 (1)a	Portland Cement Concrete Pavement (Unreinforced), 0.15m Thick, @ 14 days	sq.m.	1,190.00		
	TOTAL COST - SURFACE COURSES				
PART G	DRAINAGE AND SLOPE PROTECTION STRUCTURES				
103 (1)a-1	Structure Excavation (Trench Drain)	cu.m.	58.00		
103 (1)a-2	Structure Excavation (Drainage Ditch)	cu.m.	42.80		
103 (3)-1	Foundation Fill, Gravel Bedding (Trench Drain)	cu.m.	6.40		
103 (3)-2	Foundation Fill, Gravel Bedding (Drainage Ditch)	cu.m.	2.10		
407 (1)	Lean Concrete (Trench Drain)	cu.m.	3.20		
500 (3)b1	Lined Canal, Rectangular, Concrete, Width =400 mm, Depth = 600 mm, trench drain	l.m.	80.60		
500 (3)b2	Lined Canal, Rectangular, CHB Wall, Width =600 mm, Depth = 600 mm, drainage ditch	l.m.	47.50		
503 (1)	Steel Grating, Trench Cover (For Trench Drain)	set	81.00		
503 (3)	Curb Inlet Grille @ Curb Opening	ea.	15.00		
	TOTAL COST - DRAINAGE AND SLOPE PROTECTION STRUCTURES				
PART H	MISCELLANEOUS STRUCTURES				
602 (7)a	Wheel Stop, 1.8 m x 0.15 m	ea.	37.00		
600 (1)	Concrete Curb (Cast in Place)	l.m.	317.70		
600 (4)	Concrete Curb and Gutter (Cast In Place)	l.m.	13.90		
601 (1)	Skewalk, 100 mm thick	sq.m.	20.04		
611 (1) a	Trees, (Furnishing and Planting of Tree Saplings) - Replacement for Cut Trees affected during construction, Acacia Tree	ea.	50.00		
611 (1) b	Trees, (Furnishing and Planting of Tree Saplings) - Replacement for Cut Trees affected during construction, Antipolo Tree	ea.	50.00		
611 (1) c	Trees, (Furnishing and Planting of Tree Saplings) - Replacement for Cut Trees affected during construction, Balsa Tree	ea.	50.00		
611 (1) d	Trees, (Furnishing and Planting of Tree Saplings) - Replacement for Cut Trees affected during construction, Balete Tree	ea.	50.00		
611 (1) e	Trees, (Furnishing and Planting of Tree Saplings) - Replacement for Cut Trees affected during construction, Calimbo Tree	ea.	50.00		
611 (1) f	Trees, (Furnishing and Planting of Tree Saplings) - Replacement for Cut Trees affected during construction, Gamelina Tree	ea.	100.00		
611 (1) g	Trees, (Furnishing and Planting of Tree Saplings) - Replacement for Cut Trees affected during construction, Indian Tree	ea.	250.00		
611 (1) h	Trees, (Furnishing and Planting of Tree Saplings) - Replacement for Cut Trees affected during construction, Ipil Ipil Tree	ea.	100.00		
611 (1) i	Trees, (Furnishing and Planting of Tree Saplings) - Replacement for Cut Trees affected during construction, Mahogany Tree	ea.	550.00		

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611 (1) j	Trees, (Furnishing and Planting of Tree Saplings) - Replacement for Cut Trees affected during construction, Mango Tree	ea.	250.00		
611 (1) k	Trees, (Furnishing and Planting of Tree Saplings) - Replacement for Cut Trees affected during construction, Talisay Tree	ea.	50.00		
	TOTAL COST - MISCELLANEOUS STRUCTURES				
	LANDSCAPING WORKS				
608 (2)	Placing of Top Soil	cu.m.	73.44		
807 (3) a	Softscape, Trees (Sago Palm, 500mm W, 1.0M Ht.)	ea.	6.00		
807 (3) b.1	Softscape, Shrubs (Hahnii, 200mm Ø W)	ea.	198.00		
807 (3) b.2	Softscape, Shrubs (Pikara/ Chinese Croton, 500-600mm Ø W)	ea.	54.00		
807 (3) b.3	Softscape, Shrubs (Podocarpus "Maki", 500mm Ø W, 1.0m. Ht.)	ea.	75.00		
807 (4) a	Softscape, Grass (Bermuda Grass)	sq.m.	69.20		
807 (4) b	Softscape, Grass (Frog Grass)	sq.m.	76.02		
807 (15) a	Groundcover (Variegated Cucharita, 200mm W)	ea.	2,870.00		
807 (15) b	Groundcover (Gravel, Light Gray Color, Rough Cut, 25-30mm W)	sq.m.	158.50		
807 (15) c	Groundcover (Stone Chips, Light Gray Color, Rough Cut, 25-30mm W)	sq.m.	20.25		
	Landscaping Maintenance for 3 Months	sq.m.	1.00		
	TOTAL COST - LANDSCAPING WORKS				
	PLUMBING AND SANITARY WORKS				
	EXTERIOR WATER SYSTEM				
	Hot-Dipped Galvanized Steel/Iron Pipe conforming to ASTM A53 or A120, includes pipe and fittings, trenching, bedding, backfill, disposal, etc.				
	GI Pipe including fittings				
1002 (1) i	100 mm dia.	meter	3.00		
1002 (1) h	75 mm dia.	meter	21.00		
1002 (1) f	50 mm dia.	meter	25.00		
1002 (1) b	20 mm dia.	meter	11.00		
	Valves and devices including grooves/flanges, gaskets, bolts & nuts, adaptors, tagging, sealant and all other necessary accessories to complete the system				
1002 (28) a8	Gate Valve, 75 mm dia.	ea.	10.00		
1002 (28) b8	Check Valve, 75 mm dia.	ea.	6.00		
	Equalization Valve				
1002 (28) e9	100 mm dia.	ea.	3.00		
1002 (28) e6	50 mm dia.	ea.	2.00		
1002 (28) f6	Motorized Valve, 50 mm dia.	ea.	4.00		
1002 (28) g6	Float Valve, 50 mm dia.	ea.	4.00		
1002 (28) h8	Flow Meter, 75 mm dia.	ea.	1.00		
1201 (18)	Diaphragm tank including other accessories to complete the works	ea.	1.00		
1201 (19)	Overflow Box, including structural works, concreting works, concrete cover and other items to complete the works	ea.	3.00		
1001 (7) a	Junction Box including excavation, backfill, disposal, gravel bedding, concrete, rebars, formworks, and other accessories to complete the works	ea.	1.00		
1201 (6)	Water booster pump, Cap = 54 gpm, includes Controllers, and other accessories to complete the system	set/s	1.00		
	TOTAL COST - PLUMBING AND SANITARY WORKS				

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	TOTAL INDIRECT COST	TOTAL COST
	EXTERIOR SEWER SYSTEM				
	Polyvinyl Chloride (PVC) Pipe conforming ASTM D 3034, Type PSM, with maximum SDR 34, includes pipe and fittings, trenching, bedding, backfill, disposal, etc.				
	PVC Pipe including fittings				
1001 (1) a9	200 mm dia.	l.m.	30.00		
	Sewer Manhole Traffic Type Jaman Model JMC 147 conforming to ASTM C 478, includes excavation, backfill, lean concrete, concrete, reinforcing steel, formworks, disposal and other items to complete the work				
1001 (15)	Sewer Manhole, Depth = 2.34 m	ea.	2.00		
	Sewage Treatment Plant, including civil works, electro-mechanical works, and other necessary items to complete the work				
1001 (20)	Capacity = 16 cu.m / day	lot	1.00		
	TOTAL COST - EXTERIOR SEWER SYSTEM				
	STORM DRAINAGE SYSTEM				
	Unplasticized Polyvinyl Chloride (uPVC) conforming to ASTM D2729 series 1000, including pipe and fittings, excavation, backfill, disposal, bedding, supports, miscellaneous consumables and other necessary accessories to complete the system				
	Drain Pipe including fittings				
1001 (1) a8	150 mm dia.	meter	28.00		
1001 (1) a7	100 mm dia.	meter	82.00		
1001 (1) a6	75 mm dia.	meter	9.00		
1001 (1) a5	50 mm dia.	meter	16.00		
1017 (5) a2	Planters Drain, 75 mm dia.	ea.	4.00		
1017 (5) a1	Planters Drain, 50 mm dia.	ea.	11.00		
1001 (7) a	Junction Box including excavation, backfill, disposal, gravel bedding, concrete, rebars, formworks, and other accessories to complete the works	ea.	7.00		
	TOTAL COST - STORM DRAINAGE SYSTEM				
	EXTERIOR ELECTRICAL WORKS				
	UNDERGROUND LV POWER , AUXILIARY AND ROADWAY LIGHTING SYSTEM				
1100	CONDUITS, BOXES & FITTINGS (CONDUIT WORKS / CONDUIT ROUGH-INS) (for Ductbanks)				
	Note: Civil Works intended for the Construction of Ductbanks which includes excavation, formworks, conduit spacer, concrete, rebars, base course, warning tapes, backfill and disposal of excess materials (Vehicular Type) are included in ITEM 111 (MISCELLANEOUS ELECTRICAL/CIVIL WORKS)				
1100 (6)b	Type A, 1 - Polyvinyl Chloride Pipes (PVC/uPVC), 25mm dia.	meter	2.00		
1100 (6).3	Type B, 8 - Polyvinyl Chloride Pipes (PVC/uPVC), 110mm dia.	meter	7.00		
1100 (6)b.1	Type C, 2 - Polyvinyl Chloride Pipes (PVC/uPVC), 25mm dia.	meter	16.00		
1111 (14)	Electrical Warning Tape (3" x 1000ft)	roll	0.08		
	Note: Civil Works intended for the Construction of Ductbanks which includes excavation, formworks, conduit spacer, concrete, rebars, base course, warning tapes, backfill and disposal of excess materials (Non-Vehicular Type) are included in ITEM 111 (MISCELLANEOUS ELECTRICAL/CIVIL WORKS)				
1100 (6)b	Type A, 1 - Polyvinyl Chloride Pipes (PVC/uPVC), 25mm dia.	meter	79.00		
1100 (6).3	Type B, 8 - Polyvinyl Chloride Pipes (PVC/uPVC), 110mm dia.	meter	25.00		
1100 (6)b.1	Type C, 2 - Polyvinyl Chloride Pipes (PVC/uPVC), 25mm dia.	meter	50.00		
1111 (14)	Electrical Warning Tape (3" x 1000ft)	roll	0.51		
1100	CONDUITS, BOXES & FITTINGS (CONDUIT WORKS / CONDUIT ROUGH-INS) (for Grounding Wires)				
1100 (6)a	1 - Polyvinyl Chloride Pipes (PVC/uPVC), 20mm dia.	meter	24.00		
1100	CONDUITS, BOXES & FITTINGS (CONDUIT WORKS / CONDUIT ROUGH-INS) (for Incoming Power Concrete Pedestal)				
1100 (6).2	5 - Polyvinyl Chloride Pipes (PVC/uPVC), 110mm dia.	meter	9.00		
1100	CONDUITS, BOXES & FITTINGS (CONDUIT WORKS / CONDUIT ROUGH-INS) (for Communication Service Pedestal)				
1100 (6).1	3 - Polyvinyl Chloride Pipes (PVC/uPVC), 110mm dia.	meter	9.00		
1101	WIRES (including connectors, tapes, etc.)				
1101 (2)b2	Electric Wire, 3.5mm ² THHN/THWN-2	meter	119.00		
1101 (2)b4	Electric Wire, 8.0mm ² THHN/THWN-2	meter	298.00		

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1101 (2)b15	Electric Wire, 200mm ² THHN/THWN-2	meter	525.00		
1101 (2)b2	Electric Wire, 3.5mm ² TW (G)	meter	60.00		
1101 (2)b3	Electric Wire, 5.5mm ² TW (G)	meter	149.00		
1101 (2)b12	Electric Wire, 100mm ² TW (G)	meter	175.00		
1109 (4)d	Bare Copper Wire, 8.0mm ² , Soft Drawn	meter	24.00		
1105 (7)	0.57mm, 4 Pairs, Cat. 6, Unshielded Twisted Pair Cable	roll	0.23		
	POLE MOUNTED TRANSFORMER AND ACCESSORIES				
1102 (10)	3 sets - 167KVA, 34.5kV - 230V, 1Ø, 60Hz, Pole Mounted Transformer in BANK, complete with Transformer Mounting Brackets, Concrete Pole, Pole Line Hardwares and other accessories needed.	set	1.00		
1102	POWER LOAD CENTER, SWITCHGEAR AND PANELBOARDS, AND OTHER OVERCURRENT PROTECTION DEVICES				
1102 (24)s3	Enclosed Circuit Breaker, 1600AT, 3P, 230V with LSIG trip unit in NEMA 4X Enclosure	set	1.00		
1102 (26)d	Kilowatt-Hr Meter, 3Ø, Class 20, 230V, 60Hz. CT rated	set	1.00		
1102 (13)j	3 sets Current Transformer 1600:5A in NEMA 4X Enclosure	set	1.00		
1109	GROUNDING SYSTEM				
1109 (6)e	Grounding Rod Copper Clad, 20mm dia. x 3m	length	8.00		
1109 (2)	Exothermic Welded Connector	piece	16.00		
624	ROADWAY LIGHTING (including lighting fixture support)				
624 (1)a1	Street Lighting Fixture, 150W LED, 230V, Type - II, 15750LM, IP65, 4500K CCT mounted unto the Tapered Hot-Dipped Galvanized Steel Pole x 7620 meter height with 1.5m Long Bracket	set	7.00		
	OUTDOOR CCTV (including fixture support and accessories)				
1106 (14)a	IP - PTZ Type CCTV Camera, 2MP mounted unto the Tapered Hot-Dipped Galvanized Steel Pole x 6000 meter height with 1m Long Bracket.	set	1.00		
1111	MISCELLANEOUS ELECTRICAL / CIVIL WORKS				
	CIVIL WORKS FOR CONSTRUCTION OF DUCTBANKS				
900 (8)	Structural Concrete	cu.m.	19.63		
902 (1)b	Reinforcing Steel	kgs.	362.13		
903 (2)	Forms and Falsework	sq.m.	110.67		
803 (1)a	Structure Excavation, Common Soil (Manual)	cu.m.	47.99		
803 (8)	Structural Backfill (using excavated materials)	cu.m.	28.36		
803 (3)	Foundation Fill, Base Course	cu.m.	2.77		
	CIVIL WORKS FOR CONSTRUCTION OF INCOMING POWER CONCRETE PEDESTAL				
900 (8)	Structural Concrete	cu.m.	2.26		
902 (1)b	Reinforcing Steel	kgs.	135.41		
903 (2)	Forms and Falsework	sq.m.	18.38		
803 (1)a	Structure Excavation, Common Soil (Manual)	cu.m.	5.61		
803 (8)	Structural Backfill (using excavated materials)	cu.m.	2.46		
803 (3)	Foundation Fill, Gravel Bedding	cu.m.	0.20		
	CIVIL WORKS FOR CONSTRUCTION OF COMMUNICATION SERVICE PEDESTAL				
900 (8)	Structural Concrete	cu.m.	1.37		
902 (1)b	Reinforcing Steel	kgs.	127.24		
903 (2)	Forms and Falsework	sq.m.	13.64		
803 (1)a	Structure Excavation, Common Soil (Manual)	cu.m.	3.94		
803 (8)	Structural Backfill (using excavated materials)	cu.m.	2.09		
803 (3)	Foundation Fill, Gravel Bedding	cu.m.	0.15		
	CIVIL WORKS FOR CONSTRUCTION OF CONCRETE PAD FOR ECB				
900 (8)	Structural Concrete	cu.m.	0.77		
902 (1)b	Reinforcing Steel	kgs.	83.95		
903 (2)	Forms and Falsework	sq.m.	2.24		
803 (1)a	Structure Excavation, Common Soil (Manual)	cu.m.	1.07		
803 (8)	Structural Backfill (using excavated materials)	cu.m.	0.50		
803 (3)	Foundation Fill, Gravel Bedding	cu.m.	0.30		
	CIVIL WORKS FOR CONSTRUCTION OF ROADWAY LIGHTING CONCRETE PEDESTAL				
900 (8)	Structural Concrete	cu.m.	5.47		
902 (1)b	Reinforcing Steel	kgs.	713.58		

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903 (2)	Forms and Falsework	sq.m.	29.68		
803 (1)a	Structure Excavation, Common Soil (Manual)	cu.m.	61.74		
803 (8)	Structural Backfill (using excavated materials)	cu.m.	57.12		
803 (3)	Foundation Fill, Gravel Bedding	cu.m.	4.62		
	CIVIL WORKS FOR CONSTRUCTION OF OUTDOOR CCTV CONCRETE PEDESTAL				
900 (8)	Structural Concrete	cu.m.	0.09		
902 (1)b	Reinforcing Steel	kgs.	44.39		
903 (2)	Forms and Falsework	sq.m.	1.20		
803 (1)a	Structure Excavation, Common Soil (Manual)	cu.m.	0.11		
803 (8)	Structural Backfill (using excavated materials)	cu.m.	0.05		
803 (3)	Foundation Fill, Gravel Bedding	cu.m.	0.01		
1111 (15)b	Testing and Commissioning	lot	1.00		
	TOTAL COST - EXTERIOR ELECTRICAL WORKS				
	GRAND TOTAL COST - SITE DEVELOPMENT				

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Php)	TOTAL COST (Php)
	BUILDING NAME: SERVICE SUPPORT CENTER / DIVISION ADMINISTRATIVE COMMANDER CENTER FACILITIES				
800	STRUCTURAL EARTHWORK				
803 (1) a	Structural Excavation (includes disposal to designated area)	cu.m.	3,845.90		
803 (3) a	Foundation Fill, Gravel Bedding (includes compaction)	cu.m.	34.20		
803 (3) b	Foundation Fill, Compacted Base Course	cu.m.	332.60		
803 (8)	Structural Backfill (includes compaction)	cu.m.	2,479.40		
102 (6)a	Hauling and Disposal @ 950 m Radius of Excavated Materials	cu.m.	1,366.50		
1000 (1)	Soil Poisoning	liters	350.20		
	TOTAL COST- STRUCTURAL EARTHWORKS				
900	CONCRETE WORKS				
	Cast-In Place Concrete, 28 MPa				
900 (8) a-1	Structural Concrete, Column Footings, 28 MPa @ 28 days	cu.m.	498.30		
900 (8) a-3	Structural Concrete, Wall Footings, 28 MPa @ 28 days	cu.m.	3.40		
900 (8) a-4	Structural Concrete, Retaining Wall Footings, 28 MPa @ 28 days	cu.m.	55.00		
900 (8) a-5	Structural Concrete, RC Wall Footings, 28 MPa @ 28 days	cu.m.	3.10		
900 (8) a-6	Structural Concrete, Stair Footings, 28 MPa @ 28 days	cu.m.	0.40		
900 (8) a-7	Structural Concrete, Stair-On-Grade, 28 MPa @ 28 days	cu.m.	2.30		
900 (8) a-8	Structural Concrete, Slab-On-Grade, 28 MPa @ 28 days	cu.m.	122.90		
900 (8) a-9	Structural Concrete, Ramp-On-Grade, 28 MPa @ 28 days	cu.m.	8.50		
900 (8) a-10	Structural Concrete, Entry Steps, 28 MPa @ 28 days	cu.m.	7.10		
900 (8) a-11	Structural Concrete, Flag Pole Base, 28 MPa @ 28 days	cu.m.	9.90		
900 (8) a-12	Structural Concrete, Concrete Pad, 28 MPa @ 28 days	cu.m.	1.60		
900 (8) b-1	Structural Concrete, Retaining Wall, 28 MPa @ 28 days	cu.m.	59.80		
900 (8) b-2	Structural Concrete, RC Wall, 28 MPa @ 28 days	cu.m.	3.60		
900 (8) b-3	Structural Concrete, Bund Wall, 28 MPa @ 28 days	cu.m.	0.20		
900 (8) b-4	Structural Concrete, Concrete Saddle, 28 MPa @ 28 days	cu.m.	0.40		
	Cast-In Place Concrete, 34.5 MPa				
900 (9) a-1	Structural Concrete, Footing-Tie-Beams, 34.5 MPa @ 28 days	cu.m.	54.30		
900 (9) b-1	Structural Concrete, Roof Beams/Floor Beams, 34.5 MPa @ 28 days	cu.m.	437.40		
900 (9) b-3	Structural Concrete, Columns, 34.5 MPa @ 28 days	cu.m.	130.20		
900 (9) b-5	Structural Concrete, Stiffener Columns, 34.5 MPa @ 28 days	cu.m.	143.60		
900 (9) b-6	Structural Concrete, Suspended Slab, 34.5 MPa @ 28 days	cu.m.	338.40		
900 (9) b-9	Structural Concrete, Roof Deck, 34.5 MPa @ 28 days	cu.m.	115.50		
900 (9) b-10	Structural Concrete, Helipad, 34.5 MPa @ 28 days	cu.m.	31.10		
900 (9) b-11	Structural Concrete, Suspended Stairs and Landing, 34.5 MPa @ 28 days	cu.m.	43.00		
900 (9) b-12	Structural Concrete, Shear Wall, 34.5 MPa @ 28 days	cu.m.	220.10		
900 (9) b-13	Structural Concrete, Lintel Beams, 34.5 MPa @ 28 days	cu.m.	1.90		
900 (9) b-14	Structural Concrete, Stiffener Beams, 34.5 MPa @ 28 days	cu.m.	6.90		
900 (9) b-15	Structural Concrete, Bond Beams, 34.5 MPa @ 28 days	cu.m.	31.30		
900 (9) b-16	Structural Concrete, Underground Tank, 34.5 MPa @ 28 days	cu.m.	99.40		
900 (9) b-17	Structural Concrete, Plant Box, 34.5 MPa @ 28 days	cu.m.	11.20		
900 (9) b-18	Structural Concrete, Counter, 34.5 MPa @ 28 days	cu.m.	2.40		
	Reinforcing Steel				
902 (1) a1	Reinforcing Steel, Stair-on-Grade, Grade 40	kg.	69.30		
902 (1) a3	Reinforcing Steel, Stiffener Beams, Grade 40	kg.	506.20		
902 (1) a5	Reinforcing Steel, Stiffener Columns, Grade 40	kg.	1,211.70		
902 (1) a6	Reinforcing Steel, Flag Pole Base, Grade 40	kg.	171.40		
902 (1) a7	Reinforcing Steel, Counter, Grade 40	kg.	169.90		
902 (1) a8	Reinforcing Steel, Slab-on-Grade, Grade 40	kg.	65.90		
902 (1) a9	Reinforcing Steel, Ramp-on-Grade, Grade 40	kg.	61.70		
902 (1) a10	Reinforcing Steel, Entry Steps, Grade 40	kg.	84.90		
902 (1) a11	Reinforcing Steel, Suspended Stairs and Landing, Grade 40	kg.	297.50		

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC

Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Php)	TOTAL COST (Php)
902 (1) b1	Reinforcing Steel, Column Footings, Grade 60	kg.	84,018.00		
902 (1) b3	Reinforcing Steel, Wall Footings, Grade 60	kg.	348.80		
902 (1) b4	Reinforcing Steel, Retaining Wall Footings, Grade 60	kg.	4,665.50		
902 (1) b5	Reinforcing Steel, RC Wall Footings, Grade 60	kg.	117.10		
902 (1) b6	Reinforcing Steel, Stair Footings, Grade 60	kg.	128.70		
902 (1) b7	Reinforcing Steel, Stair-On-Grade, Grade 60	kg.	46.00		
902 (1) b8	Reinforcing Steel, Slab-On-Grade, Grade 60	kg.	7,408.80		
902 (1) b9	Reinforcing Steel, Ramp-On-Grade, Grade 60	kg.	248.00		
902 (1) b10	Reinforcing Steel, Entry Steps, Grade 60	kg.	124.60		
902 (1) b11	Reinforcing Steel, Flag Pole Base, Grade 60	kg.	52.60		
902 (1) b12	Reinforcing Steel, Footing-Tie-Beams, Grade 60	kg.	11,212.10		
902 (1) b13	Reinforcing Steel, Roof Beams/Floor Beams, Grade 60	kg.	130,118.90		
902 (1) b15	Reinforcing Steel, Lintel Beams, Grade 60	kg.	152.90		
902 (1) b16	Reinforcing Steel, Stiffener Beams, Grade 60	kg.	1,020.50		
902 (1) b17	Reinforcing Steel, Bond Beams, Grade 60	kg.	3,620.30		
902 (1) b18	Reinforcing Steel, Stiffener Columns, Grade 60	kg.	3,794.70		
902 (1) b19	Reinforcing Steel, Columns, Grade 60	kg.	47,565.20		
902 (1) b21	Reinforcing Steel, Retaining Wall, Grade 60	kg.	19,649.50		
902 (1) b22	Reinforcing Steel, RC Wall, Grade 60	kg.	198.30		
902 (1) b23	Reinforcing Steel, Shear Wall, Grade 60	kg.	50,560.60		
902 (1) b24	Reinforcing Steel, Suspended Slab, Grade 60	kg.	44,013.50		
902 (1) b27	Reinforcing Steel, Roof Deck, Grade 60	kg.	12,125.00		
902 (1) b28	Reinforcing Steel, Helipad, Grade 60	kg.	4,045.60		
902 (1) b29	Reinforcing Steel, Suspended Stairs and Landing, Grade 60	kg.	5,598.40		
902 (1) b30	Reinforcing Steel, Underground Tank, Grade 60	kg.	14,658.70		
902 (1) b32	Reinforcing Steel, Plant Box, Grade 60	kg.	441.50		
902 (1) b33	Reinforcing Steel, Bund Wall, Grade 60	kg.	17.40		
902 (1) b34	Reinforcing Steel, Concrete Saddle, Grade 60	kg.	74.00		
902 (1) b35	Reinforcing Steel, Concrete Pad, Grade 60	kg.	145.70		
	Formworks and Falsework				
903 (2) a-1	Formworks and Falsework, Column Footings	sq.m.	237.80		
903 (2) a-4	Formworks and Falsework, Retaining Wall Footings	sq.m.	63.60		
903 (2) a-5	Formworks and Falsework, RC Wall Footings	sq.m.	14.60		
903 (2) b-1	Formworks and Falsework, Retaining Wall	sq.m.	423.00		
903 (2) b-2	Formworks and Falsework, RC Wall	sq.m.	50.90		
903 (2) b-3	Formworks and Falsework, Shear Wall	sq.m.	1,002.40		
903 (2) b-4	Formworks and Falsework, Plant Box	sq.m.	120.10		
903 (2) b-5	Formworks and Falsework, Underground Tank	sq.m.	524.30		
903 (2) c-1	Formworks and Falsework, Stair-On-Grade	sq.m.	3.20		
903 (2) c-2	Formworks and Falsework, Slab-On-Grade	sq.m.	52.00		
903 (2) c-3	Formworks and Falsework, Ramp-On-Grade	sq.m.	1.60		
903 (2) c-4	Formworks and Falsework, Entry Steps	sq.m.	5.30		
903 (2) c-5	Formworks and Falsework, Flag Pole Base	sq.m.	89.00		
903 (2) d	Formworks and Falsework, Footing-Tie-Beams	sq.m.	271.50		
903 (2) e-1	Formworks and Falsework, Roof Beams/Floor Beams	sq.m.	3,312.00		
903 (2) e-3	Formworks and Falsework, Lintel Beams	sq.m.	33.20		
903 (2) e-4	Formworks and Falsework, Stiffener Beams	sq.m.	115.00		
903 (2) e-5	Formworks and Falsework, Bond Beams	sq.m.	483.60		
903 (2) f-1	Formworks and Falsework, Columns	sq.m.	985.40		
903 (2) f-3	Formworks and Falsework, Stiffener Columns	sq.m.	1,937.70		
903 (2) g-1	Formworks and Falsework, Suspended Slab	sq.m.	2,674.00		
903 (2) g-4	Formworks and Falsework, Roof Deck	sq.m.	780.90		
903 (2) g-5	Formworks and Falsework, Helipad	sq.m.	207.00		
903 (2) g-6	Formworks and Falsework, Suspended Stairs and Landing	sq.m.	333.80		
903 (2) g-7	Formworks and Falsework, Counter	sq.m.	37.20		

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC
 Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Php)	TOTAL COST (Php)
903 (2) g-8	Formworks and Falsework, Bund Wall	sq.m.	3.40		
903 (2) g-9	Formworks and Falsework, Concrete Saddle	sq.m.	4.80		
903 (2) g-10	Formworks and Falsework, Concrete Pad	sq.m.	2.70		
	Expansion Joint Fillers				
413 (1)a	Preformed Expansion Joint Filler with Sealant, 12 mm thick	cu.m.	0.72		
413 (1)b	Preformed Expansion Joint Filler with Sealant, 20 mm thick	cu.m.	2.00		
	TOTAL COST- CONCRETE WORKS				
1047	METAL WORKS				
	Furnished, Fabricated and Erected				
1047 (2) b	Structural Steel, Purlins (LC Sections)	kgs.	4,181.30		
1047 (2) d-1	Structural Steel, Rafter (Wide Flange Sections)	kgs.	3,328.80		
1047 (2) e	Structural Steel, Steel Stair Columns (Wide Flange Sections)	kgs.	39.10		
1047 (2) f	Structural Steel, Canopy (Steel Pipe Sections)	kgs.	172.40		
1047 (2) g-1	Structural Steel, Helipad (Tubular Sections)	kgs.	2,095.70		
1047 (2) h	Structural Steel, Steel Stringers (Channel Bar Sections)	kgs.	650.10		
1047 (2) i	Structural Steel, Top Wall Support (Angle Bar Sections)	kgs.	1,397.40		
1047 (2) j	Structural Steel, Trench (Angle Bar Sections)	kgs.	103.60		
1047 (2) k	Structural Steel, Fuel Day Tank (Angle Bar Sections)	kgs.	32.20		
1047 (3) a1	Metal Structure Accessories, Connection Bolts, Ø12mm x 40 mm Connection Bolts w/ Std Nuts & Washer, ASTM A307	ea.	2.00		
1047 (3) a2	Metal Structure Accessories, Connection Bolts, Ø12mm x 40 mm Connection Bolts w/ Std Nuts & Washer, ASTM A325	ea.	126.00		
1047 (3) a3	Metal Structure Accessories, Connection Bolts, Ø20mm x 50 mm Connection Bolts w/ Std Nuts & Washer, ASTM A325	ea.	18.00		
1047 (3) a5	Metal Structure and Accessories, Anchor Bolts, Ø12 mm w/ Std Nuts & Washer, A307, (depth of embedment = 200 mm)	ea.	64.00		
1047 (3) a6	Metal Structure and Accessories, Anchor Bolts, Ø16 mm w/ Std Nuts & Washer, A307, (depth of embedment = 100 mm)	ea.	168.00		
1047 (3) a7	Metal Structure and Accessories, Anchor Bolts, Ø16 mm w/ Std Nuts & Washer, A307, (depth of embedment = 200 mm)	ea.	58.00		
1047 (3) a8	Metal Structure and Accessories, Anchor Bolts, Ø20mm w/ Std Nuts & Washer, A307 (depth of embedment = 200 mm)	ea.	4.00		
1047 (3)c	Metal Structure Accessories, Turnbuckles 20 mm Dia.	ea.	14.00		
1047 (4)	Metal Structure Accessories, Cross Bracing, Ø20 mm Dia.	kgs.	273.00		
1047 (6) a	Metal Structure Accessories, Base Plates (includes non-shrink grout)	kgs.	154.90		
1047 (6) b	Metal Structure Accessories, Steel Plates / Connector Plates	kgs.	611.90		
1047 (6) c	Metal Structure Accessories, Stiffener Plates	kgs.	18.70		
1047 (6) d	Metal Structure Accessories, Bent Plates	kgs.	93.50		
1047 (6) e	Metal Structure Accessories, Cover Plates	kgs.	2.00		
1047 (11) a	Stairs, Steel Grating (Webforge A205MPG)	sq.m.	2.05		
1047 (11) b	Stairs, Steel Grating (Webforge T2/C205MPG)	sq.m.	7.83		
1047 (11) c	Trench, Steel Grating (Melma M505)	sq.m.	4.50		
1047 (11) d	Metal Structures and Accessories, Dowel Bars Welded to Steel Plates	kgs.	29.40		
	TOTAL COST - METAL WORKS				

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC
 Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
	BUILDING NAME: SPECIAL AND TECHNICAL STAFF BUILDING				
	ARCHITECTURAL WORKS				
101	REMOVAL OF STRUCTURES AND OBSTRUCTIONS				
101 (1) a	Removal of Actual Structures and Obstruction (Existing Power House)	l.s.	1.00		
101 (1) b	Removal of Actual Structures and Obstruction (Existing Chainlink Fence, 1600mm H; Location: Power House)	l.m.	37.80		
101 (1) c	Removal of Actual Structures and Obstruction (Existing Metal Roofing on Steel Pipe Column; Location: Shed)	sq.m.	21.30		
101 (1) d	Removal of Actual Structures and Obstruction (Existing Office Building)	l.s.	1.00		
101 (1) e	Removal of Actual Structures and Obstruction (Existing Chainlink Fence, 1100mm H)	l.m.	60.80		
101 (1) f	Removal of Actual Structures and Obstruction (Existing Wrecked Structure)	sq.m.	55.22		
101 (1) g	Removal of Actual Structures and Obstruction (Existing Toilet 1)	l.s.	1.00		
101 (1) h	Removal of Actual Structures and Obstruction (Existing Toilet 2)	l.s.	1.00		
101 (1) i	Removal of Actual Structures and Obstruction (Existing Steel Canopy)	sq.m.	15.84		
101 (1) j	Removal of Actual Structures and Obstruction (Existing Barracks/ Supply Building)	l.s.	1.00		
101 (1) k	Removal of Actual Structures and Obstruction (Existing Metal Roofing on Steel Pipe Column; Location: Garage)	sq.m.	45.37		
101 (1) l	Removal of Actual Structures and Obstruction (Existing Wood Shed)	l.s.	1.00		
101 (1) m	Removal of Actual Structures and Obstruction (Existing Scrap Metal Garage)	sq.m.	72.00		
101 (1) n	Removal of Actual Structures and Obstruction (Existing Structure 1)	l.s.	1.00		
101 (1) o	Removal of Actual Structures and Obstruction (Existing Structure 2)	l.s.	1.00		
101 (1) p	Removal of Actual Structures and Obstruction, Concrete (Existing Concrete Wall, 2100mm H x 2450mm W)	sq.m.	55.20		
101 (3) a10	Removal of Actual Structures and Obstruction, Concrete (Existing Concrete Pave, Steps, Ramp and Zocalo; Location: Shed)	sq.m.	21.30		
101 (3) a11	Removal of Actual Structures and Obstruction, Concrete (Existing Concrete Paved Flooring; Location: Container)	sq.m.	35.70		
101 (3) a12	Removal of Actual Structures and Obstruction, Concrete (Existing Concrete Pavement)	sq.m.	1,621.44		
101 (11)	Removal of Actual Structures and Obstruction (Existing Container)	l.s.	1.00		
101 (12)	Removal of Actual Structures and Obstruction (Existing Structure 3)	l.s.	1.00		
612	REFLECTIVE THERMOPLASTIC STRIPING MATERIAL (SOLID FORM)				
612 (1)	Reflectorized Thermoplastic Pavement Markings White	sq.m	48.20		
612 (2)	Reflectorized Thermoplastic Zebra Paint (Black and Yellow)	sq.m	171.53		
1002	PLUMBING WORKS				
1002 (20) a	Facial Mirror	sq.m.	24.74		
1002 (20) b	Liquid Soap Dispenser	ea.	15.00		
1002 (20) c	Toilet Paper Holder	ea.	29.00		
1002 (20) d	Urinal Partition, 20mm Thk x 400mm W X 1150mm H	ea.	2.00		
1002 (20) e	Urinal Ledge	ea.	1.00		
1002 (20) f	Robe Hook	set/s	11.00		
1002 (20) g	Grab Bar	set/s	1.00		
1003	CARPENTRY AND JOINERY				
1003 (1) e1.1	Ceiling, Gypsum Board on Metal Suspension System ;12mm Thk Ordinary Type	sq.m	1,594.78		
1003 (1) e1.2	Ceiling, Gypsum Board on Metal Suspension System ;12mm Thk Moisture Resistant	sq.m	345.72		
1003 (1) e.1.4.h	25mm Shadow Gap	l.m.	3,843.80		
1003 (1) e2	Ceiling, Prepainted Metal Panel (Linear Metal Ceiling)	sq.m	153.57		
1003 (3) a1	On- Floor Cabinets (Location: UG Pantry 1-115)	ea.	1.00		
1003 (3) a2	Overhead Cabinets (Location: UG Pantry 1-115)	ea.	1.00		
1003 (3) b1	On- Floor Cabinets (Location: UG Pantry 1-122)	ea.	1.00		
1003 (3) b2	Overhead Cabinets (Location: UG Pantry 1-122)	ea.	1.00		
1003 (3) c1	On- Floor Cabinets (Location: UG Pantry 1-124)	ea.	1.00		
1003 (3) c2	Overhead Cabinets (Location: UG Pantry 1-124)	ea.	1.00		

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC
 Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
1003 (3) d1	On- Floor Cabinets (Location: UG Pantry 1-134)	ea.	1.00		
1003 (3) d2	Overhead Cabinets (Location: UG Pantry 1-134)	ea.	1.00		
1003 (3) e1	On- Floor Cabinets (Location: UG Pantry 1-140)	ea.	1.00		
1003 (3) e2	Overhead Cabinets (Location: UG Pantry 1-140)	ea.	1.00		
1003 (3) f1	On- Floor Cabinets (Location: UG Pantry 1-145)	ea.	1.00		
1003 (3) f2	Overhead Cabinets (Location: UG Pantry 1-145)	ea.	1.00		
1003 (3) g1	On- Floor Cabinets (Location: 2F Pantry 1-206)	ea.	1.00		
1003 (3) g2	Overhead Cabinets (Location: 2F Pantry 1-206)	ea.	1.00		
1003 (3) h1	On- Floor Cabinets (Location: 2F Pantry 1-208)	ea.	1.00		
1003 (3) h2	Overhead Cabinets (Location: 2F Pantry 1-208)	ea.	1.00		
1003 (3) i1	On- Floor Cabinets (Location: 2F Pantry 1-212)	ea.	1.00		
1003 (3) i2	Overhead Cabinets (Location: 2F Pantry 1-212)	ea.	1.00		
1003 (3) j1	On- Floor Cabinets (Location: 2F Pantry 1-225)	ea.	1.00		
1003 (3) j2	Overhead Cabinets (Location: 2F Pantry 1-225)	ea.	1.00		
1003 (3) k1	On- Floor Cabinets (Location: 2F Pantry 1-235)	ea.	1.00		
1003 (3) k2	Overhead Cabinets (Location: 2F Pantry 1-235)	ea.	1.00		
1003 (3) l1	On- Floor Cabinets (Location: 3F Pantry 1-303)	ea.	1.00		
1003 (3) l2	Overhead Cabinets (Location: 3F Pantry 1-303)	ea.	1.00		
1003 (3) m1	On- Floor Cabinets (Location: 3F Pantry 1-315)	ea.	1.00		
1003 (3) m2	Overhead Cabinets (Location: 3F Pantry 1-315)	ea.	1.00		
1003 (3) n1	On- Floor Cabinets (Location: 3F Pantry 1-324)	ea.	1.00		
1003 (3) n2	Overhead Cabinets (Location: 3F Pantry 1-324)	ea.	1.00		
1003 (3) o1	On- Floor Cabinets (Location: 3F Pantry 1-326)	ea.	1.00		
1003 (3) o2	Overhead Cabinets (Location: 3F Pantry 1-326)	ea.	1.00		
1003 (3) p1	On- Floor Cabinets (Location: 3F Pantry 1-331)	ea.	1.00		
1003 (3) p2	Overhead Cabinets (Location: 3F Pantry 1-331)	ea.	1.00		
1003 (3) q1	On- Floor Cabinets (Location: 4F Pantry 1-406)	ea.	1.00		
1003 (3) q2	Overhead Cabinets (Location: 3F Pantry 1-406)	ea.	1.00		
1003 (3) r1	On- Floor Cabinets (Location: 4F Pantry 1-412)	ea.	1.00		
1003 (3) r2	Overhead Cabinets (Location: 3F Pantry 1-412)	ea.	1.00		
1003 (3) s1	On- Floor Cabinets (Location: 4F Pantry 1-416)	ea.	1.00		
1003 (3) s2	Overhead Cabinets (Location: 3F Pantry 1-416)	ea.	1.00		
1003 (3) t1	On- Floor Cabinets (Location: 4F Pantry 1-422)	ea.	1.00		
1003 (3) t2	Overhead Cabinets (Location: 3F Pantry 1-422)	ea.	1.00		
1003 (3) u1	On- Floor Cabinets (Location: 4F Pantry 1-425)	ea.	1.00		
1003 (3) u2	Overhead Cabinets (Location: 3F Pantry 1-425)	ea.	1.00		
1003 (3) v1	On- Floor Cabinets (Location: 4F Pantry 1-431)	ea.	1.00		
1003 (3) v2	Overhead Cabinets (Location: 3F Pantry 1-431)	ea.	1.00		
1003 (3) w1	On- Floor Cabinets (Location: 4F Pantry 1-432)	ea.	1.00		
1003 (3) w2	Overhead Cabinets (Location: 3F Pantry 1-432)	ea.	1.00		
1003 (23)	MODULAR PARTITION				
1003 (23) a1	Toilet Partitions, 15mm Thk Solid Grade HPL with Hardware, fittings, fastening and anchoring system. (Location: UG Toilet 1-123)	l.s.	1.00		
1003 (23) a2	Toilet Partitions, 15mm Thk Solid Grade HPL with Hardware, fittings, fastening and anchoring system. (Location: UG Toilet 1-125)	l.s.	1.00		
1003 (23) a3	Toilet Partitions, 15mm Thk Solid Grade HPL with Hardware, fittings, fastening and anchoring system. (Location: UG Male Toilet 1-128)	l.s.	1.00		
1003 (23) a4	Toilet Partitions, 15mm Thk Solid Grade HPL with Hardware, fittings, fastening and anchoring system. (Location: UG Female Toilet 1-129)	l.s.	1.00		
1003 (23) a5	Toilet Partitions, 15mm Thk Solid Grade HPL with Hardware, fittings, fastening and anchoring system. (Location: UG Toilet 1-139)	l.s.	1.00		
1003 (23) a6	Toilet Partitions, 15mm Thk Solid Grade HPL with Hardware, fittings, fastening and anchoring system. (Location: 2F Toilet 1-207)	l.s.	1.00		
1003 (23) a7	Toilet Partitions, 15mm Thk Solid Grade HPL with Hardware, fittings, fastening and anchoring system. (Location: 4F Toilet 1-407)	l.s.	1.00		

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC
 Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
1003 (23) a8	Toilet Partitions, 15mm Thk Solid Grade HPL with Hardware, fittings, fastening and anchoring system. (Location: 4F Toilet 1-413)	l.s.	1.00		
1003 (23) a9	Toilet Partitions, 15mm Thk Solid Grade HPL with Hardware, fittings, fastening and anchoring system. (Location: 4F Toilet 1-417)	l.s.	1.00		
1003 (23) a10	Toilet Partitions, 15mm Thk Solid Grade HPL with Hardware, fittings, fastening and anchoring system. (Location: 4F Toilet 1-421)	l.s.	1.00		
1003 (23) a11	Toilet Partitions, 15mm Thk Solid Grade HPL with Hardware, fittings, fastening and anchoring system. (Location: 4F Toilet 1-423)	l.s.	1.00		
1003 (23) a12	Toilet Partitions, 15mm Thk Solid Grade HPL with Hardware, fittings, fastening and anchoring system. (Location: 4F Toilet 1-430)	l.s.	1.00		
1004	FINISHING HARDWARE				
1004 (2) a1	Lockset Series 3400 Function 50 (Office), Grade 1	set	56.00		
1004 (2) a2	Lockset Series 3400 Function 53 (Entry), Grade 1	set	1.00		
1004 (2) a3	Lockset Series 3400 Function 80 (Storeroom), Grade 1	set	81.00		
1004 (2) b1	Overhead Surface Door Closer, Grade 1	set	138.00		
1004 (2) b2	Overhead Concealed Door Closer, Grade 1	set	13.00		
1004 (2) d1	Metal Threshold	set	1.00		
1004 (2) e2	Butt Hinges 100mm x 114 x 3mm (4" x 4 1/2")	pair	246.50		
1004 (2) f	Fire Exit Rim Device (w/ Entry Trim)	set	13.00		
1004 (2) g	Door Coordinator	set	2.00		
1004 (2) h	Exit Sign	set	13.00		
1004 (2) i	Panic Type Threshold	set	14.00		
1004 (2) j	Flushbolt	set	2.00		
1004 (3)	BUILDING SIGNAGE				
1004 (3) mm	Building Signage; with Ascom Logo, Supply Battalion Logo and Text: using 150mm H x 1.2mm Thk x 30mm Depth Stainless Steel Hairline Finish	set	1.00		
1005	STEEL WINDOW				
1005 (7) a	Louver Window, Steel (45mm Thk, Painted Finish; 5 Panel, Type A= 1700mm W x 1700mm H)	sq.m.	2.89		
1005 (7) b	Louver Window, Steel (45mm Thk, Painted Finish; 2 Panel, Type B= 2630mm W x 2050mm H)	sq.m.	5.39		
1005 (7) c	Louver Window, Steel (45mm Thk, Painted Finish; Type B= 2000mm W x 1850mm H)	sq.m.	3.70		
1005 (7) d	Louver Window, Steel (45mm Thk, Painted Finish; 2 Panel, Type B= 1850mm W x 1850mm H)	sq.m.	3.42		
1005 (7) e	Louver Window, Steel (45mm Thk, Painted Finish; 3 Panel, Type C= 3160mm W x 1850mm H)	sq.m.	35.08		
1006	STEEL DOORS AND FRAMES				
1006 (1)	Hollow Steel Door (45mm Thk, including Door Jamb, Single Leaf; Type H= 800mm W x 2100mm H)	sq.m.	18.48		
1006 (2)	Hollow Steel Door (45mm Thk with View Glass, including Door Jamb, Single Leaf; Type R= 900mm W x 2100mm H)	sq.m.	3.78		
1006 (4) a	Steel Louver Door (45mm Thk, including Door Jamb, Single Leaf; Type A= 1950mm W x 2150mm H)	sq.m.	4.19		
1006 (4) b	Steel Louver Door (45mm Thk, including Door Jamb, Single Leaf; Type C= 2800mm W x 2150mm H)	sq.m.	6.02		
1006 (4) c	Steel Louver Door (45mm Thk, including Door Jamb, Single Leaf; Type D= 2100mm W x 2150mm H)	sq.m.	4.52		
1006 (4) d	Steel Louver Door (45mm Thk, including Door Jamb, Double Leaf; Type E= 1700mm W x 2150mm H)	sq.m.	3.36		
1006 (4) e	Steel Louver Door (45mm Thk, including Door Jamb, Double Leaf; Type G= 5770mm W x 2150mm H)	sq.m.	12.41		
1006 (4) f	Steel Louver Door (45mm Thk, including Door Jamb, Single Leaf; Type Y= 900mm W x 2100mm H)	sq.m.	5.67		
1006 (5) a	Fire Rated Fire Exit Steel Door (with 6mm Thk Wired View Glass, 1 Hr. Fire Rating, including Door Jamb, Single Leaf; Type F= 900mm W x 2100mm H)	sq.m.	20.79		
1007	ALUMINUM FRAMED GLASS DOOR				
1007 (1) b1	Swing Type (12mm Thk Tempered Glass, Single Leaf; Type Q= 1100mm W x 2150mm H)	sq.m.	2.37		
1007 (1) b3	Swing Type (12mm Thk Tempered Glass, with 8mm Thk Tempered Glass Sidelight, Single Leaf; Type B= 2450mm W x 2150mm H)	sq.m.	5.27		
1007 (1) b4	Swing Type (12mm Thk Tempered Glass, with 6mm Thk Tempered Glass Sidelight, Double Leaf; Type J= 2990mm W x 2150mm H)	sq.m.	6.43		
1007 (1) b5	Swing Type (12mm Thk Tempered Glass, with 6mm Thk Tempered Glass Sidelight, Double Leaf; Type W=10770mm W x 2800mm H)	sq.m.	30.16		

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC
Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
1008	ALUMINUM GLASS WINDOW				
1008 (1) d1	Fixed Type (6mm Thk Tinted Tempered Glass, with 6mm Thk Tinted Tempered Awning Window, 32 Panel; Type E= 33600mm W x 3075mm H)	sq.m.	206.64		
1008 (1) d2	Fixed Type (6mm Thk Tinted Tempered Glass, with 6mm thk Tinted Tempered Awning Window, 31 Panel; Type F= 63750mm W x 3075mm H)	sq.m.	392.06		
1008 (1) d3	Fixed Type (10mm Thk Tinted Tempered Glass, with 6mm thk Tinted Tempered Awning Window and Spandrel Glass Panel, 10-Panel; Type G= 2400mm W x 6850mm H)	sq.m.	16.44		
1008 (1) d4	Fixed Type (10mm Thk Tinted Tempered Glass, with 6mm thk Tinted Tempered Awning Window and Spandrel Glass Panel, 15-Panel; Type H= 3000mm W x 6850mm H)	sq.m.	20.55		
1008 (1) d5	Fixed Type (10mm Thk Tinted Tempered Glass, with 6mm thk Tinted Tempered Awning Window and Spandrel Glass Panel, 34 Panel; Type J= 6100mm W x 6850mm H)	sq.m.	41.79		
1008 (1) d6	Fixed Type (10mm Thk Tinted Tempered Glass, with 6mm thk Tinted Tempered Awning Window and Spandrel Glass Panel, 14 Panel; Type K= 2000mm W x 6850mm H)	sq.m.	219.20		
1008 (1) d7	Fixed Type (10mm Thk Tinted Tempered Glass, with 6mm thk Tinted Tempered Awning Window and Spandrel Glass Panel, 22 Panel; Type L= 4850mm W x 6850mm H)	sq.m.	33.22		
1008 (1) d8	Fixed Type (10mm Thk Tinted Tempered Glass, 1 Panel; Type M= 1550mm W x 2900mm H)	sq.m.	13.49		
1008 (1) d9	Fixed Type (10mm Thk Tinted Tempered Glass, , 1 Panel; Type M= 1550mm W x 3080mm H)	sq.m.	23.87		
1008 (1) 10	Fixed Type (10mm Thk Tinted Tempered Glass, , 1 Panel; Type D= 4000mm W x 1850mm H)	sq.m.	7.40		
1010	WOODEN DOORS AND WINDOWS				
1010 (1) a	Wooden Door Jamb (45mm x 800mm W x 2150mm H)	set/s	38.00		
1010 (1) b	Wooden Door Jamb (45mm x 900mm W x 2150mm H)	set/s	20.00		
1010 (1) c	Wooden Door Jamb (45mm x 1000mm W x 2150mm H)	set/s	59.00		
1010 (1) d	Wooden Door Jamb (45mm x 1100mm W x 2150mm H)	set/s	2.00		
1010 (2) a1	Wooden Doors, Flush Hollow Core (45mm Thk with Louver, Single Leaf Type M= 700mm W x 2100mm H)	sq.m.	45.57		
1010 (2) a2	Wooden Doors, Flush Hollow Core (45mm Thk with Louver, Single Leaf Type M= 900mm W x 2100mm H)	sq.m.	5.67		
1010 (2) a3	Wooden Doors, Flush Hollow Core (45mm Thk with Louver, Single Leaf Type M= 1000mm W x 2100mm H)	sq.m.	2.10		
1010 (2) a4	Wooden Doors, Flush (45mm Thk Solid Panel, Single Leaf; Type L= 700mm W x 2100mm H)	sq.m.	10.29		
1010 (2) a5	Wooden Doors, Flush (45mm Thk Solid Panel, Single Leaf; Type L= 800mm W x 2100mm H)	sq.m.	33.60		
1010 (2) a6	Wooden Doors, Flush (45mm Thk Solid Panel, Single Leaf; Type L= 1000mm W x 2100mm H)	sq.m.	2.10		
1010 (2) b1	Wooden Doors, Wood Panel (45mm Thk Solid Panel, Single Leaf; Type N= 900mm W x 2100mm H)	sq.m.	105.84		
1012	GLASS AND GLAZING				
1012 (3) b1	Tempered Glass Doors 12mm Thk (Frameless; Swing Type, with 12mm Thk Tempered Glass Sidelight, Single Leaf; Type P= 6600mm W x 2100mm H)	sq.m.	13.86		
1012 (3) b2	Tempered Glass Doors 12mm Thk (Frameless; Swing Type, with 12mm Thk Tempered Glass Sidelight, 2- Single Leaf; Type S= 5000mm W x 2100mm H)	sq.m.	10.50		
1012 (3) b3	Tempered Glass Doors 12mm Thk (Frameless; Swing Type, with 12mm Thk Tempered Glass Sidelight, Single Leaf; Type T= 4080mm W x 2100mm H)	sq.m.	8.57		
1012 (3) b4	Tempered Glass Doors 12mm Thk (Frameless; Swing Type, with 12mm Thk Tempered Glass Sidelight, Single Leaf; Type U= 4720mm W x 2100mm H)	sq.m.	9.91		
1012 (3) b5	Tempered Glass Doors 12mm Thk (Frameless; Swing Type, with 12mm Thk Tempered Glass Sidelight, 2-Single Leaf; Type V= 7500mm W x 2100mm H)	sq.m.	31.50		
1012 (3) b6	12mm Thk Tempered Glass Door on Stainless Steel Frame w/ 12mm Thk Tempered Glass on Top and Bottom Stainless Steel Frame Sidelight; Swing Type, Double Leaf ; Type K= 4000mm W x 2500mm H	sq.m.	10.00		
1012 (7)	Glass Canopy System; Location: Main Entrance	l.s.	1.00		
1014	PREPAINTED METAL SHEETS				
1013	Hi-Rib (Preformed Prepainted Metal Roofing, Galvalume Ga. 24, including, bended materials, flashings, ridge roll and other attachment accessories necessary to complete work.)	sq.m.	181.20		
1016	WATERPROOFING				
1016 (1) a	Waterproofing: Cement Based	sq.m.	733.83		
1016 (1) b	Waterproofing: Liquid Applied Sub-Surface Barrier Waterproofing	sq.m.	1,338.20		

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC
 Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
1016 (3)	Food Grade Epoxy Tank Lining	sq.m.	40.88		
1016 (5)	15mm Thk Fiber Cement Protection Board	sq.m.	205.00		
1018	CERAMIC/ GRANITE TILES				
1018 (3) a	Floor Finish: 25mm Thk Natural Granite Flamed Finish (Location: Façade, Flooring @ Main Entrance)	sq.m.	112.34		
1018 (3) b	Wall Finish: 20mm Thk Natural Granite Flamed Finish (Location: Lift Lobby)	sq.m.	162.59		
1018 (3) c	Wall Finish: 20mm Thk Natural Granite Flamed Finish (Location: Façade, Exterior Wall Cladding)	sq.m.	335.20		
1018 (3) d	Wall Finish: 20mm Thk Natural Granite Flamed Finish (Location: Façade, Planters)	sq.m.	79.75		
1018 (3) e	20mm Thk Natural Granite Countertop Slab with 200mm H Backsplash & 60mm Skirting (Location: Pantry/ Kitchen)	l.m.	41.70		
1018 (3) f	20mm Thk Natural Granite Countertop Slab with 200mm H Backsplash & 200mm Skirting (Location: Toilets, if applicable)	l.m.	15.78		
1018 (3) g	Base Finish: 25mm Thk x 100mm Natural Granite	l.m.	52.00		
1018 (8) a	Floor Finish: Homogeneous Tiles, 10mm Thk x 600 x 600mm	sq.m.	2,889.90		
1018 (8) b	Floor Finish: Homogeneous Tiles, 10mm Thk x 400 x 400mm	sq.m.	154.58		
1018 (8) c	Floor Finish: Homogeneous Tiles, 10mm Thk x 300 x 300mm	sq.m.	301.88		
1018 (8) d	Floor Finish: Waffle Non-Skid Tiles	sq.m.	131.86		
1018 (8) e	Wall Finish: Homogeneous Tiles, 10mm Thk x 400 x 400mm	sq.m.	746.64		
1018 (9)	Mosaic Tiles Splashboard, 300x300mm	sq.m.	39.94		
1003 (18)	Base Finish: 25mm Thk x 100mm H Solid Wood	l.m.	2,235.21		
1021	CEMENT FLOOR FINISH				
1021 (1) a	Cement Floor Finish, Plain	sq.m.	1,867.64		
1021 (3) a	50mm Thk Concrete Topping with Wiremesh Reinforcement	sq.m.	1,338.20		
1021 (13)	Non-Metallic Concrete Floor Hardener	sq.m.	420.42		
1027	CEMENT PLASTER FINISH/ DECORATIVE STONE				
1027 (1) a	Cement Plaster Finish	sq.m.	5,611.73		
1027 (1) c	Cement Plaster Finish: Exposed Construction, Soffit of Slab (Smooth Cement Finish)	sq.m.	2,081.84		
1030	ACOUSTIC CEILING				
1030 (1) a	19mm Thk x 600 x 600mm Ceiling Panel	sq.m.	1,200.25		
1030 (1) b	19mm Thk x 600 x 1200mm Ceiling Panel	sq.m.	111.42		
1032	PAINTING, VARINISHING AND OTHER RELATED WORKS				
1032 (1) a1	Painting on Concrete, Exterior Semi- Glossed Finish	sq.m.	1,451.01		
1032 (1) a2	Painting on Concrete, Interior Semi Glossed Finish	sq.m.	4,389.72		
1032 (1) a3	Painting on Masonry/ Concrete :150mm High Painted Strip	l.m.	386.80		
1032 (1) a5	Painting on Masonry/ Concrete :Exposed Construction, Soffit of Slab	sq.m.	2,081.84		
1032 (1) c1	Painting on Steel: Exposed Structural Metals	sq.m.	663.83		
1032 (1) c2	Painting on Steel: Steel Doors	sq.m.	366.70		
1032 (4)	Painting on Works, Ducco Finish	sq.m.	784.64		
1032 (2) d	Painting Works: Painting on Gypsum Board Ceiling, Flat Finish	sq.m.	1,940.50		
1032 (2) e	Painting Works: Painting on Gypsum Board Wall, Semi-gloss Finish	sq.m.	5,802.95		
1034	DAMP PROOFING				
1034 (1) b	Polyethylene Sheet Vapor Barrier, 6mils	sq.m.	328.24		
1039	ALUMINUM CLADDING				
1039 (1)	Aluminum Cladding, 4.0mm Thk	sq.m.	1,285.48		
1039 (2)	Aluminum Horizontal Fin (Clip-on Sun Shade)	l.m.	746.81		
1041	GYPSUM BOARD				
1041 (1) a	Gypsum Board for Walls (1-16mm Thk Ordinary Gypsum Board Wall on Metal Studs, Hat Channel, 1-Face)	sq.m.	362.72		
1041 (1) b	Gypsum Board for Walls (1-16mm Thk Ordinary Gypsum Board Wall on Metal Studs, 2-Face with Sound Attenuation Blanket)	sq.m.	2,050.61		
1041 (1) c	Gypsum Board for Walls (1-16mm Thk Fire Rated Gypsum Board Wall on Metal Studs, 2-Face with Sound Attenuation Blanket)	sq.m.	657.01		
1041 (1) d	Gypsum Board for Walls (1-16mm Thk Fire Rated Gypsum Board Wall on Metal Studs, 1-Face with Sound Attenuation Blanket)	sq.m.	22.25		

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Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC
 Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
1046	MASONRY WORKS				
1046 (2) a1	CHB Non Load Bearing (including Reinforcing Steel), 100mm thk	sq.m.	1.92		
1046 (2) a2	CHB Non Load Bearing (including Reinforcing Steel), 150mm thk.	sq.m.	3,348.10		
1047	METAL STRUCTURES				
1047 (10) a	Ladder Rung: includes 16mm Ø Stainless Steel Rung, Side Rail, Fastenings and all accessories needed to complete work; Location: Domestic Water Tank 1	l.s.	1.00		
1047 (10) b	Ladder Rung: includes 16mm Ø Stainless Steel Rung, Side Rail, Fastenings and all accessories needed to complete work; Location: Domestic Water Tank 2	l.s.	1.00		
1047 (10) d	Anodized Aluminum Vertical Fins (Location: W-9; W-10)	l.m.	220.65		
1047 (10) e	Column Corner Guard, using 50 x 50 x 45mm Thk Angle Bar, H=1200mm, Painted Finish	l.m.	67.20		
1047 (10) f	Hot-dipped Galvanized Steel Expanded Safety Netting @ Helipad	sq.m.	111.77		
1047 (10) g	Flagpole Post, Aluminum Tapered Pipe Post and accessories	set	3.00		
1047 (10) h	Metal Structures, Brass Nosing	l.m.	244.80		
1051	RAILINGS				
1051 (5) a1	Floor Mounted Stainless Steel Railings, 38mm Ø Top Rail with 2-38mm Ø Sub-railing; 38mm Ø Pipe Post, all fastening accessories needed to complete work; H=900mm (Location: Entrance Stair)	l.m.	6.20		
1051 (5) a2	Floor Mounted G.I. Pipe Railings, 38mm Ø Top Rail with 2-38mm Ø Sub-railing; 38mm Ø Pipe Post, all fastening accessories needed to complete work; H=920mm (Location: Helipad)	l.m.	23.70		
1051 (5) b1	Floor Mounted Stainless Steel Railings, 38mm Ø Top Rail with 2-38mm Ø Sub-railing; 38mm Ø Pipe Post, all fastening accessories needed to complete work; H=900mm (Location: PWD Ramp)	l.m.	43.40		
1051 (5) b2	Floor Mounted Stainless Steel Railings, 38mm Ø Top Rail with 2-38mm Ø Sub-railing; 38mm Ø Pipe Post, all fastening accessories needed to complete work; H=900mm (Location: Access Stair to Lower Ground Parking)	l.m.	26.00		
1051 (5) b3	Wall Mounted Stainless Steel Railings, 38mm Ø Handrail, including all fastening accessories needed to complete work; H=900mm (Location: Stair 1 and 2)	l.m.	176.20		
1051 (7) a	20mm Thk Tempered Glass Railing with 1-38mm Ø Stainless Steel Rail, including all fastening accessories needed to complete work. H= 900mm (Location: Entrance Stair)	l.m.	12.40		
1203	ELECTRIC ELEVATOR				
1203 (2)	Lift Elevator	l.s.	1.00		
1722	FENCE AND RAILINGS				
1722 c.6	Fencing, Chainlink Fence: includes Ga. 12 x 50mm Chain Link Wire Mesh; 38mm Ø GI Pipe Post, 38mm Ø GI Pipe Frame; 2-25mm x 4.5mm Thk Steel Flat Bar Clip; and other accessories necessary to complete item; Epoxy Paint Finish; H= 2400mm (Location: Garbage Room, Lower Ground Floor)	l.m.	5.00		
TOTAL COST - ARCHITECTURAL WORKS					

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BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC

Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (PESOS)	TOTAL COST (PESOS)
III	SERVICE SUPPORT CENTER / DIVISION ADMINISTRATIVE COMMANDER CENTER FACILITIES				
	Water System				
	Polypropylene Random (PPR) Pipe Type 3 conforming EN ISO 15874, including pipe and fittings, excavation, backfill, disposal, bedding, supports, miscellaneous consumables and other necessary accessories to complete the system (up to exterior water line)				
	PPR Pipes including fittings				
1002 (2) h3	75 mm dia.	meter	66.00		
1002 (2) g3	65 mm dia.	meter	29.00		
1002 (2) f3	50 mm dia.	meter	102.00		
1002 (2) e3	40 mm dia.	meter	116.00		
1002 (2) d3	32 mm dia.	meter	118.00		
1002 (2) c3	25 mm dia.	meter	20.00		
1002 (2) b3	20 mm dia.	meter	59.00		
1002 (2) a3	15 mm dia.	meter	155.00		
1002 (22)	Hose Bibb Assembly, includes G.I. Pipe & Fittings, Hose Bibb, and other items to complete the works	piece	4.00		
	Valves and devices including grooves/flanges, gaskets, bolts & nuts, adaptors, tagging, sealant and all other necessary accessories to complete the system				
	Gate Valve				
1002 (28) a6	50 mm dia.	ea.	1.00		
1002 (28) a5	40 mm dia.	ea.	8.00		
1002 (28) a4	32 mm dia.	ea.	14.00		
1002 (28) a1	15 mm dia.	ea.	1.00		
1002 (23) e	Water Meter Assembly, 50 mm dia, includes Gate Valve, Check Valve, G.I Pipe and fittings and other accessories to complete the system	piece	1.00		
	Sub-total				
	Sewer System				
	Unplasticized Polyvinyl Chloride (uPVC) conforming to ASTM D2729 series 1000, including pipe and fittings, excavation, backfill, disposal, bedding, supports, miscellaneous consumables and other necessary accessories to complete the system				
	uPVC Pipe including fittings				
1001 (1) a8	150 mm dia.	meter	45.00		
1001 (1) a7	100 mm dia.	meter	296.00		
1001 (1) a6	75 mm dia.	meter	68.00		
1001 (1) a5	50 mm dia.	meter	92.00		
1001 (18)	Oil Interceptor & Oil Storage, includes excavation, backfill, disposal, lean concrete, concrete, reinforcing steel, formworks, concrete manhole, pipe and fittings, steel pipe, angle bar, and other items to complete the work	ea.	1.00		
	Sub-total				
	Vent System				
	Unplasticized Polyvinyl Chloride (uPVC) conforming to ASTM D2729 series 1000, including pipe and fittings, hangers, supports, miscellaneous consumables and other necessary accessories to complete the system				
	Vent Pipe				
1001 (1) a7	100 mm dia.	meter	23.00		

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC

Location : FORT BONIFACIO, TAGUIG

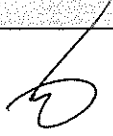
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (PESOS)	TOTAL COST (PESOS)
III	SERVICE SUPPORT CENTER / DIVISION ADMINISTRATIVE COMMANDER CENTER FACILITIES				
1001 (1) a6	75 mm dia.	meter	19.00		
1001 (1) a5	50 mm dia.	meter	288.00		
	Vent Above Ceiling				
1001 (1) a6	75 mm dia.	l.m	21.00		
1001 (1) a5	50 mm dia.	l.m	185.00		
	Sub-total				
	Storm Drainage System				
	Unplasticized Polyvinyl Chloride (uPVC) conforming to ASTM D2729 series 1000, including pipe and fittings, excavation, backfill, disposal, bedding, supports, miscellaneous consumables and other necessary accessories to complete the system				
	Drain Pipe including fittings				
1001 (1) a9	200 mm dia.	meter	5.00		
1001 (1) a8	150 mm dia.	meter	24.00		
1001 (1) a7	100 mm dia.	meter	55.00		
1001 (1) a6	75 mm dia.	meter	33.00		
	Force Main				
1001 (1) a5	50 mm dia.	meter	13.00		
	Unplasticized Polyvinyl Chloride (uPVC) Pipe conforming to ASTM D2729, including pipe clamps, supports, and other necessary accessories to complete the system				
	Downspout				
1001 (1) a6	75 mm dia.	meter	234.00		
	Perforated PVC Drain Pipe				
1001 (1) f3	100 mm dia.	meter	40.00		
	Roof Drain				
1017 (1) c	100 mm dia.	set/s	4.00		
1017 (1) b	75 mm dia.	set/s	4.00		
1017 (4) b	Deck Drain, 75 mm dia.	set/s	31.00		
1017 (8)	Splash Block, including structural works, concreting works, concrete cover and other items to complete the works	ea.	6.00		
1001 (7) a	Junction Box including excavation, backfill, disposal, gravel bedding, concrete, rebars, formworks, and other accessories to complete the works	ea.	14.00		
1201 (4) a1	Submersible sump pump pump, cap = 15 gpm, includes Controllers, and other accessories to complete the system	set/s	2.00		
1201 (4) a2	Submersible sump pump pump, cap = 30 gpm, includes Controllers, and other accessories to complete the system	set/s	2.00		
	Sub-total				
	Plumbing Fixtures				
1002 (15) a	Lavatory including faucet, P-Trap, and other accessories	set/s	34.00		
1002 (5) b	Water Closet (flush valve type) including other accessories	set/s	28.00		
1002 (5) a	Water Closet (flush tank type) including other accessories	set/s	6.00		
1002 (11) a1	Kitchen Sink including Grease Trap Cap = 7 gpm, P-trap, and other accessories	set/s	22.00		
1002 (9) b	Urinal including Flush Valve and other items to complete the work	set/s	10.00		

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC

Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (PESOS)	TOTAL COST (PESOS)
III	SERVICE SUPPORT CENTER / DIVISION ADMINISTRATIVE COMMANDER CENTER FACILITIES				
1002 (19)	Shower including other necessary accessories to complete the system	set/s	2.00		
1002 (13)	Slop Sink including P-trap, and other accessories	set/s	2.00		
1002 (16) a1.1	Floor Drain, 50 mm dia.	set/s	37.00		
1002 (16) a1.2	Shower Drain, 50 mm dia.	set/s	1.00		
	Sub-total				
	TOTAL COST (PLUMBING AND SANITARY WORKS)				




BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC

Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
	BUILDING NAME: SPECIAL & TECHNICAL STAFF BUILDING				
I.	MECHANICAL WORKS				
1200	AIR CONDITIONING AND VENTILATION SYSTEM				
1200 (1)a	Exhaust Fan, OAF: SISW Backward curved Centrifugal Utility Type Exhaust Fan c/w fan & filter module, equipment support, disconnect switch, vibration isolator and other std. accessories. 7562 cmh(4448cfm), 1in Wg, 1Hp, 220V, 1ph, 60 hz.	set	1.00		
1200 (1)b	Exhaust Fan, EF: SISW Backward curved Centrifugal Utility Type Exhaust Fan c/w fan & filter module, equipment support, disconnect switch, vibration isolator and other std. accessories. 3777cmh(2222cfm), 1in Wg, 1Hp, 220V, 1ph, 60 hz.	set	1.00		
1200 (1)c	Exhaust Fan, EF: SISW Backward curved Centrifugal Utility Type Exhaust Fan c/w fan & filter module, equipment support, disconnect switch, vibration isolator and other std. accessories. 2397cmh(1410cfm), 1in Wg, 0.5Hp, 220V, 1ph, 60 hz.	set	1.00		
1200 (1)d	Exhaust Fan, EF: SISW Backward curved Centrifugal Utility Type Exhaust Fan c/w fan & filter module, equipment support, disconnect switch, vibration isolator and other std. accessories. 5100cmh(3000cfm), 2in Wg, 2Hp, 220V, 1ph, 60 hz.	set	1.00		
1200 (1)e	Utility Type Supply Fan , PF: SISW Backward curved Centrifugal Utility Type Supply Fan c/w fan & filter module, equipment support, disconnect switch, vibration isolator and other std. accessories. 18020cmh(10600cfm), 1.5in Wg, 7.5Hp, 220V, 3ph, 60 hz.	set	2.00		
1200 (4)a	Propeller, EF: Wall Mounted Propeller Type Exhaust Fan c/w gravity shutter damper, equipment supports, insect screen, disconnect switch and other std. accessories. 600cmh(353cfm) 0.25 in. Wg, 29W, 220V, 1ph, 60 hz.	set	3.00		
1200 (4)b	Propeller, OF: Ceiling Mounted Propeller Type Orbit Fan complete w/ fan speed selector, security grille, equipment supports, disconnect switch and other std. accessories. 5163cmh(3037cfm), 70.5W, 220V, 1ph, 60 hz.	set	2.00		
1200 (5)a1	Exhaust Fan: EF: Centrifugal Ceiling Cassette Type Exhaust Fan complete w/ backdraft damper, equipment support, fan Switch, vibration isolator and other std. accessories. 85cmh(50 cfm) 0.25 in. Wg, 11W, 220V, 1ph, 60 hz.	set	24.00		
1200 (5)a3	Exhaust Fan: EF: Centrifugal Ceiling Cassette Type Exhaust Fan complete w/ backdraft damper, equipment support, fan Switch, vibration isolator and other std. accessories. 140 cmh(82 cfm) 0.25 in. Wg, 220V, 1ph, 60 hz.	set	20.00		
1200 (5)a12	Exhaust Fan: EF: Centrifugal Ceiling Cassette Type Exhaust Fan complete w/ backdraft damper, equipment support, fan Switch, vibration isolator and other std. accessories. 330cmh(194 cfm) 0.25 in. Wg, 220V, 1ph, 60 hz.	set	3.00		
1200 (5)a18	Exhaust Fan: EF: Centrifugal Ceiling Cassette Type Exhaust Fan complete w/ backdraft damper, equipment support, fan Switch, vibration isolator and other std. accessories. 525cmh(309 cfm) 0.25 in. Wg, 220V, 1ph, 60 hz.	set	1.00		
1200 (7)a	Exhaust Fan, EF: Centrifugal Inline Ducted Type Exhaust Fan c/w equipment support, vibration isolator, disconnect switch and other std. accessories. 272cmh(160cfm), 0.5in. Wg, 186.5W, 220V, 1ph, 60 hz.	set	1.00		
1200 (7)b	Exhaust Fan, EF: Centrifugal Inline Ducted Type Exhaust Fan c/w equipment support, vibration isolator, disconnect switch and other std. accessories. 1739cmh(1023cfm) 0.5in. Wg, 313.3W, 230V, 1ph, 60 hz.	set	1.00		
1200 (13)a11	Airconditioning: FCU/ACCU: 7.1Kw(2.0TR), Wall Mounted Fan Coil Unit DX System complete w/ disconnect switch, thermostat, remote controller, eqpt. support and other std. accessories. 230V, 1ph, 60hz	set	2.00		
1200 (13)b1	Airconditioning: ACCU: 73.5 Kwr(21 TR) Floor Mounted, c/w disconnect switch, vibration isolator, wiring, discharge deflector duct, valves, equipment pad and other std. accessories, 19.9kW, 220V, 3ph, 60hz	set	1.00		
1200 (13)b2	Airconditioning: ACCU: 95Kwr (27 TR), Floor Mounted, c/w disconnect switch, vibration isolator, wiring, discharge deflector duct, valves, equipment pad and other std. accessories, 25.3kW, 220V, 3ph, 60hz	set	1.00		
1200 (13)b3	Airconditioning: ACCU: 112 Kwr(31.9 TR), Floor Mounted, c/w disconnect switch, vibration isolator, wiring, discharge deflector duct, valves, equipment pad and other std. accessories, 31kW, 220V, 3ph, 60hz	set	1.00		
1200 (13)b4	Airconditioning: ACCU: 135Kwr (38.4 TR), Floor Mounted, c/w disconnect switch, vibration isolator, wiring, discharge deflector duct, valves, equipment pad and other std. accessories, 39.3kW, 220V, 3ph, 60hz	set	1.00		
1200 (13)b5	Airconditioning: ACCU: 150Kwr(42.7), Floor Mounted c/w disconnect switch, vibration isolator, wiring, discharge deflector duct, valves, equipment pad and other std. accessories, 46.2kW, 220V, 3ph, 60hz	set	1.00		
1200 (13)b6	Airconditioning: ACCU: 162Kwr(46.1TR), Floor Mounted, c/w disconnect switch, vibration isolator, wiring, discharge deflector duct, valves, equipment pad and other std. accessories, 51.4kW, 220V, 3ph, 60hz	set	1.00		
1200 (13)b7	Airconditioning: FCU: 2.2Kwr(0.625TR) Wall Mounted Type Free Blow, c/w temperature controller, fan speed switch, thermostat, isolating valves, vibration isolator, equipment support and other std. accessories, 19W, 220V, 1Ø, 60hz	set	20.00		

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC

Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
1200 (13)b8	Airconditioning: FCU: 3.6Kwr(1TR) Wall Mounted Type Free Blow, c/w temperature controller,fan speed switch,thermostat, isolating valves, vibration isolator,equipment support and other std. accessories,30W,220V, 1Ø, 60hz	set	12.00		
1200 (13)b9	Airconditioning: FCU: 4.5Kwr(1.28TR), Wall Mounted Type Free Blow, c/w temperature controller,fan speed switch,thermostat, isolating valves, vibration isolator,equipment support and other std. accessories, 20W,220V, 1Ø, 60hz	set	28.00		
1200 (13)b10	Airconditioning: FCU: 5.6Kwr(1.6TR) Wall Mounted Type Free Blow, c/w temperature controller,fan speed switch,thermostat, isolating valves, vibration isolator,equipment support and other std. accessories, 33W, 220V, 1Ø, 60hz	set	22.00		
1200 (13)b11	Airconditioning: FCU: 7.1Kwr(2TR) Wall Mounted Type Free Blow, c/w temperature controller,fan speed switch,thermostat, isolating valves, vibration isolator,equipment support and other std. accessories, 50W, 220V, 1Ø, 60hz	set	32.00		
1200 (13)b12	Airconditioning: FCU: 7.1Kwr(2TR) Ceiling Suspended Type Free Blow, c/w temperature controller,fan speed switch,thermostat, isolating valves, vibration isolator,equipment support and other std. accessories,145W, 220V, 1Ø, 60hz	set	5.00		
1200 (13)b13	Airconditioning: FCU: 3.6Kwr(1TR), Ceiling Concealed ducted Type Free Blow, c/w condensate pump,temperature controller,fan speed switch,thermostat, isolating valves, vibration isolator,equipment support and other std. accessories, 66W, 220V, 1Ø, 60hz	set	1.00		
1200 (13)b14	Airconditioning: FCU: 4.5Kwr(1.28TR) Ceiling Concealed ducted Type Free Blow, c/w condensate pump,temperature controller,fan speed switch,thermostat, isolating valves, vibration isolator,equipment support and other std. accessories,101W,220V, 1Ø, 60hz	set	4.00		
1200 (13)b15	Airconditioning: FCU: 5.6Kwr(1.6TR) Ceiling Concealed ducted Type Free Blow, c/w condensate pump,temperature controller,fan speed switch,thermostat, isolating valves, vibration isolator,equipment support and other std. accessories, 75W, 220V, 1Ø, 60hz	set	2.00		
1200 (13)b16	Airconditioning: DOA: 22.4Kwr(6.4TR) Concealed ducted type Outdoor Air Processing Unit c/w condensate pump, temperature controller,fan speed switch,thermostat, isolating valves, vibration isolator,equipment support and other std. accessories, 638W, 220V,1Ø,60HZ	set	2.00		
1200 (13)b17	Airconditioning: DOA: 28Kwr(8TR) Concealed ducted type Outdoor Air Processing Unit c/w condensate pump, temperature controller,fan speed switch,thermostat, isolating valves, vibration isolator,equipment support and other std. accessories, 548W, 220V, 1Ø, 60HZ	set	2.00		
	Note: Standard accessories for the AC units are included (Remote controllers, filters, drain Pump kits, filter chambers, Y-joints & T-joints).				
1200 (15)a	Refrigerant Copper Pipe, Type L, 6.4 mmØ	meter	724.00		
1200 (15)b	Refrigerant Copper Pipe, Type L, 9.5mmØ	meter	528.00		
1200 (15)c	Refrigerant Copper Pipe, Type L, 12.7 mmØ	meter	654.00		
1200 (15)d	Refrigerant Copper Pipe, Type L, 15.88mmØ	meter	552.00		
1200 (15)e	Refrigerant Copper Pipe, Type L, 19.1mmØ	meter	190.00		
1200 (15)f	Refrigerant Copper Pipe, Type L, 22.2mmØ	meter	48.00		
1200 (15)g	Refrigerant Copper Pipe, Type L, 28.6mmØ	meter	108.00		
1200 (15)h	Refrigerant Copper Pipe, Type L, 34.9mmØ	meter	102.00		
1200 (15)i	Refrigerant Copper Pipe, Type L, 41.3mmØ	meter	132.00		
1200 (16)a	Refrigerant Copper Pipe, Rubber Insulation, 19mm thick x 6.4 mmØ	meter	724.00		
1200 (16)b	Refrigerant Copper Pipe, Rubber Insulation, 25mm thick x 9.5 mmØ	meter	528.00		
1200 (16)c	Refrigerant Copper Pipe, Rubber Insulation, 25mm thick x 12.7 mmØ	meter	654.00		
1200 (16)d	Refrigerant Copper Pipe, Rubber Insulation, 25mm thick x 15.88 mmØ	meter	552.00		
1200 (16)e	Refrigerant Copper Pipe, Rubber Insulation, 25mm thick x 19.1 mmØ	meter	190.00		
1200 (16)f	Refrigerant Copper Pipe, Rubber Insulation, 25mm thick x 22.2 mmØ	meter	48.00		
1200 (16)g	Refrigerant Copper Pipe, Rubber Insulation, 25mm thick x 28.6 mmØ	meter	108.00		
1200 (16)h	Refrigerant Copper Pipe, Rubber Insulation, 25mm thick x 34.9 mmØ	meter	102.00		
1200 (16)i	Refrigerant Copper Pipe, Rubber Insulation, 25mm thick x 41.3 mmØ	meter	132.00		
1200 (17)e	Pipe Cladding, Aluminum, 69.1mmØ	meter	42.00		
1200 (17)f	Pipe Cladding, Aluminum, 84.9mmØ	meter	42.00		
1200 (18)b	Filter Drier, 9.5mmØ	set	2.00		
1200 (19)b	Sight Glass, 9.52mmØ	set	2.00		

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC

Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
1200 (20)	Thermostat	set	2.00		
1200 (21)b	Flexible Pipe Connector, 9.52mmØ	set	4.00		
1200 (21)d	Flexible Pipe Connector, 15.88mmØ	set	4.00		
1200 (21)e	Flexible Pipe Connector, 19.1mmØ	set	6.00		
1200 (21)g	Flexible Pipe Connector, 34.9mmØ	set	2.00		
1200 (21)h	Flexible Pipe Connector, 41.3mmØ	set	4.00		
1002 (7) a3	PVC Pipe (blue), 25 mmØ, Condensate Drain	meter	1,016.00		
1002 (7) a4	PVC Pipe (blue), 32 mmØ, Condensate Drain	meter	135.00		
1002 (7) a5	PVC Pipe (blue), 40 mmØ, Condensate Drain	meter	144.00		
1002 (7) a6	PVC Pipe (blue), 50 mmØ, Condensate Drain	meter	114.00		
1200 (22)b	Drain Pipe Insulation, 19mm thick Closed Cell Rubber , 25mm Ø	meter	1,016.00		
1200 (22)c	Drain Pipe Insulation, 19mm thick Closed Cell Rubber , 32mm Ø	meter	135.00		
1200 (22)d	Drain Pipe Insulation, 19mm thick Closed Cell Rubber , 40mm Ø	meter	144.00		
1200 (22)e	Drain Pipe Insulation, 19mm thick Closed Cell Rubber , 50mm Ø	meter	114.00		
1200 (26)	Refrigerant Piping and Equipment Connection	set	140.00		
1200 (27)	Vacuum Cleaning and pipe charging	meter	3,038.00		
1200 (28)	Roughing ins & Control wiring for Thermostat control	set	2.00		
1200 (29)d	Galvanized Steel Ductwork, Ga 22	sq.m.	1,353.00		
1200 (29)e	Galvanized Steel Ductwork, Ga 24	sq.m.	730.00		
1200 (34)	Supply Ceiling Diffuser, 150 x 150	set	91.00		
1200 (35)a	Supply Air Register, 1200 x 600	set	4.00		
1200 (35)f	Supply Air Register, 150 x 150	set	29.00		
1200 (36)b	Return Air Register, 450 x 250	set	1.00		
1200 (36)c	Return Air Register, 150 x 150	set	6.00		
1200 (37)a	Exhaust Air Register, 450 x 300	set	1.00		
1200 (37)b	Exhaust Air Register, 450 x 250	set	2.00		
1200 (37)c	Exhaust Air Register, 450 x 200	set	3.00		
1200 (37)d	Exhaust Air Register, 300 x 300	set	9.00		
1200 (37)e	Exhaust Air Register, 300 x 250	set	7.00		
1200 (37)f	Exhaust Air Register, 300 x 200	set	1.00		
1200 (37)g	Exhaust Air Register, 250 x 250	set	1.00		
1200 (37)h	Exhaust Air Register, 250 x 150	set	2.00		
1200 (37)i	Exhaust Air Register, 500 x 150	set	3.00		

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BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC

Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
1200 (38)a	Motorized Volume Damper, 550 x 300	set	3.00		
1200 (38)b	Motorized Volume Damper, 500 x 300	set	1.00		
1200 (38)c	Motorized Volume Damper, 500 x 250	set	1.00		
1200 (38)d	Motorized Volume Damper, 400 x 350	set	1.00		
1200 (38)e	Motorized Volume Damper, 400 x 300	set	2.00		
1200 (39)j	Volume Damper, 300 x 250	set	3.00		
1200 (39)k	Volume Damper, 300 x 200	set	3.00		
1200 (39)l	Volume Damper, 300 x 150	set	4.00		
1200 (39)m	Volume Damper, 250 x 200	set	3.00		
1200 (39)n	Volume Damper, 250 x 150	set	7.00		
1200 (39)o	Volume Damper, 200 x 200	set	5.00		
1200 (39)p	Volume Damper, 200 x 150	set	1.00		
1200 (39)q	Volume Damper, 150 x 150	set	7.00		
1200 (42)	Testing and Commissioning for AC units	set	140.00		
1200 (43)	Testing and Commissioning for Ventilation units	set	60.00		
	SUB - TOTAL				
1202	FIRE PROTECTION SYSTEM				
	Fire Pump, FP/1: 1514lpm(400gpm) , 231ft.,1800 rpm, 40Hp, 230 volts, 3Ø, 60hz, Electric Motor driven, Vertical turbine type Fire pump. Complete w/ relief valve, waste cone, flow meter, pressure gauge, Fire Pump controller and standard accessories. UL/FM approved.				
1202 (2)		set	1.00		
	Jockey Pump, JP/1: 25gpm, 231ft. 3500rpm, 3hp, 230, 3Ø, 60hz. Submersible Jockey Pump, electric driven motor, complete w/ Jockey pump controller and other std. accessories.				
1202 (3)		set	1.00		
	Fire Hose Cabinet: Class II, made from Gage 18 steel construction housing w/ alum frame and glass door, continuous steel hinge. Cabinet shall contain Ø40 cast brass angle valve w/ 30m of Ø40 Polyurethane single lined jacketed fire hose, spray fog nozzle, brass nipple and coupling, hose rack swivel type with pin and water stop, NST thread for fire hose cabinet to contain one(1) 4.5 kg ABC Chemical Fire Extinguisher OF 4A:80B:C UL Rating, Pick Head Fire Ax w/ Fiber Glass Handle .				
1202 (5)		set	10.00		
	Fire Extinguisher: 4.5 kg(10 lbs), ABC Dry Chemical, Siliconized Mono Ammonium Phosphate Dry Chemical, Wall Mounted Multi-Purpose Portable Fire Extinguisher complete w/ Hose and Horn, wall bracket, ULFM approved.				
1202 (6) a1		set	70.00		
	Fire Extinguisher: 4.5 kg(10 lbs), Electrically Non-conductive, non contaminating, odorless gas, Wall Mounted Carbon Dioxide Portable fire Extinguisher complete w/ Hose and Horn,UL Listed & FM approved.				
1202 (6) a3		set	6.00		
	Fire Extinguisher: 5kg(11lbs), Chromed Brass Clean Agent, Wall Mounted Portable Fire Extinguisher complete w/ Hose and nozzle, wall bracket, UL Listed & FM approved.				
1202 (6) a9		set	1.00		
	Fire Extinguisher: 3.4 kg(7.5 lbs), Aqueous Film Forming Foams, Wall Mounted Multi-Purpose Portable fire Extinguisher complete w/ Hose and Spray nozzle, wall bracket, ULFM approved.				
1202 (6) a11		set	1.00		
1202 (7)a	Siamese Fire Dept. Connection, Ø65 x Ø65 x Ø100	set	1.00		
1202 (7)b	Siamese Fire Dept. Connection, Ø65 x Ø65x Ø65 x Ø65 x Ø100	set	2.00		
1202 (9)a	Pendent, Std Response, 15mmØ Orifice, k=5.6 , 155 deg F, Chrome Plated	piece	300.00		
1202 (9)b	Horizontal Sidewall, Std Response, 15mmØ Orifice, k=5.6 , 155 deg F, Chrome plated	piece	11.00		
1202 (9)c	Upright, Std Response, 15mmØ Orifice, k=5.6 , 155 deg F, Chrome plated	piece	112.00		
	Sprinkler Reserve Cabinet with 6 Heads - Pendent k=5.6, 6 Heads - Upright k = 5.6, 6 Heads - Upright k=5.6 and wrench.				
1202 (10)a		set	1.00		
1202 (11)b	B.I. Steel Pipe, ERW, Sched 40, 25mmØ	meter	1,716.00		
1202 (11)c	B.I. Steel Pipe, ERW, Sched 40, 32mmØ	meter	282.00		
1202 (11)d	B.I. Steel Pipe, ERW, Sched 40, 40mmØ	meter	282.00		
1202 (11)e	B.I. Steel Pipe, ERW, Sched 40, 50mmØ	meter	84.00		
1202 (11)f	B.I. Steel Pipe, ERW, Sched 40, 65mmØ	meter	90.00		

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC

Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
1202 (11)g	B.I. Steel Pipe, ERW, Sched 40, 80mmØ	meter	84.00		
1202 (11)h	B.I. Steel Pipe, ERW, Sched 40, 100mmØ	meter	266.00		
1202 (12)a	Lateral Sway braces, 40mmØ	ea.	1.00		
1202 (12)b	Lateral Sway braces, 50mmØ	ea.	3.00		
1202 (12)c	Lateral Sway braces, 65mmØ	ea.	5.00		
1202 (12)d	Lateral Sway braces, 80mmØ	ea.	6.00		
1202 (12)e	Lateral Sway braces, 100mmØ	ea.	18.00		
1202 (13)a	Longitudinal Sway braces, 50mmØ	ea.	1.00		
1202 (13)b	Longitudinal Sway braces, 65mmØ	ea.	3.00		
1202 (13)c	Longitudinal Sway braces, 80mmØ	ea.	4.00		
1202 (13)d	Longitudinal Sway braces, 100mmØ	ea.	8.00		
1202 (14)b	4-Way Sway Brace, 100mmØ	ea.	18.00		
1202 (15)a	Clevis Hanger, 25mmØ	ea.	296.00		
1202 (15)b	Clevis Hanger, 32mmØ	ea.	78.00		
1202 (15)c	Clevis Hanger, 40mmØ	ea.	79.00		
1202 (15)e	Clevis Hanger, 65mmØ	ea.	18.00		
1202 (15)f	Clevis Hanger, 80mmØ	ea.	20.00		
1202 (15)g	Clevis Hanger, 100mmØ	ea.	50.00		
1202 (16)c	Mechanical Groove Coupling, 40mmØ	ea.	35.00		
1202 (16)d	Mechanical Groove Coupling, 50mmØ	ea.	72.00		
1202 (16)g	Mechanical Groove Coupling, 100mmØ	ea.	14.00		
	Valves and Accessories				
1202 (17)a	100mmØ Alarm Check Valve w/ trimmings	set	1.00		
1202 (18)a	100mmØ OS & Y Gate Valve w/ Supervisory Switch	set	2.00		
1202 (19)e	50mmØ Gate Valve	set	1.00		
1202 (19)h	100mmØ Gate Valve	set	5.00		
1202 (20)a	Check Valve, 15mmØ	set	4.00		
1202 (20)f	Check Valve, 65mmØ	set	1.00		
1202 (20)h	Check Valve, 100mmØ	set	4.00		
1202 (21)	Roof manifold, 65mmØ x 65mmØ	set	2.00		
1202 (22)	Hose Valve, 65 mmØ with cap and chain	set	10.00		
1202 (40)a	Pressure relief valve, 100mmØ	set	1.00		
1202 (41)a	Sensing Line, 15mmØ, Type L Copper	meter	24.00		
	Floor Control Valve Assembly				
1202 (18)a	100mmØ OS & Y Gate Valve w/ Supervisory Switch	set	5.00		
1202 (20)h	Check Valve, 100mmØ	set	5.00		
1202 (23)	Pressure Gage	ea.	5.00		
1202 (24)	Waterflow Switch	set	5.00		
1202 (25)	25mmØ Inspector Test Valve	set	5.00		
1202 (26)	32mmØ Drain Valve	set	5.00		
1202 (27)	25mmØ Sight Glass	set	5.00		
1202 (28)	Union with corrosion-resistant orifice, 25mmØ	set	5.00		
1202 (29)	Union, pipe, 25mmØ	set	5.00		
	Inspector's Test Pipe				
1202 (30)a	25mmØ Elbow x 90	ea.	7.00		

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC

Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
1202 (30)b	25mmØ Elbow x 45	ea.	1.00		
1202 (31)	25mmØ Test Valve	set	5.00		
1202 (27)	25mmØ Sight Glass	set	5.00		
1202 (32)	Test Connection Bronze Outlet with orifice giving flow equiv. to one sprinkler head	set	5.00		
1202 (11)b	B.I. Steel Pipe, ERW, Sched 40, 25mmØ, Test Pipe	meter	90.00		
1202 (33)	Splash block	set	1.00		
1202 (34)a	Flushing Connection, 100mmØ	ea.	5.00		
1202 (34)b	Flushing Connection, 50mmØ	ea.	5.00		
1202 (35)	100mmØ Test Hose Header w/ Ø65xØ65 Test Valve w/ cap & chain	set	1.00		
1202 (38)	Pipe paintings & singnages	sq.m.	369.00		
1202 (39)	Testing and Commissioning Fire Protection System	l.s.	1.00		
SUB - TOTAL					
1206	FUEL OIL HANDLING AND EXHAUST SYSTEM (GENSET ROOM)				
1206 (1)a3	Fuel Day Tank, DT/1: Above Ground Vertical Diesel Storage Tank. 1132 Liters (299 gallons)	set	1.00		
1206 (1)b	Hand Pump, Rotary vane type	set	1.00		
1206 (2)a	Black Steel Pipe, seamless, Sched 40, 15 mmØ: Fuel Oil Return	meter	18.00		
1206 (2)b	Black Steel Pipe, seamless, Sched 40, 25 mmØ: Fuel Oil Supply	meter	18.00		
1206 (2)c	Black Steel Pipe, seamless, Sched 40, 50mmØ: Fill Line	meter	6.00		
1206 (2)d	Vent pipe, 25mmØ	meter	6.00		
1206 (2)e	Sounding Line, 15 mmØ	meter	6.00		
	Valves and Piping Accessories				
1206 (3)a1	15mmØ, Gate Valve	piece	2.00		
1206 (3)a1	25mmØ, Gate Valve	piece	2.00		
1206 (3)b1	Flexible Pipe Connector, 15 mmØ	piece	1.00		
1206 (3)b3	Flexible Pipe Connector, 25 mmØ	piece	1.00		
1206 (3)c	50mmØ, Drain Valve	piece	1.00		
1200 (29)b	Exhaust Duct Ga 18	sq.m.	19.00		
1206 (4)	Exhaust Pipe, 100mmØ	meter	6.00		
1206 (5)	Exhaust Pipe Insulation	sq.m.	3.00		
1200 (31)	Flexible duct connector	meter	7.00		
1206 (7)	Wall thimble, 100mmØ	set	1.00		
1206 (8)	Vibration Isolator	set	4.00		
1206 (10)	Testing and Commissioning Fuel Handling & Exhaust System	l.s.	1.00		
SUB - TOTAL					
TOTAL COST - MECHANICAL WORKS					

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC
Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
	DACC FACILITIES (BUILDING)				
PART D	ELECTRICAL WORKS				
1103	LIGHTING SYSTEM				
1100	CONDUITS, BOXES & FITTINGS (CONDUIT WORKS / CONDUIT ROUGH-INS)				
1100 (6)a	Polyvinyl Chloride Pipes (PVC/uPVC), 20mm dia.	meter	3,480.00		
1100 (3)a	Flexible Metal Conduit, 15mm dia.	meter	454.00		
1100 (13)a	Straight Connector, 15mm dia.	piece	1,814.00		
1100 (8)a	Utility Box, 101mm x 54mm x 54mm, Ga. 16	piece	249.00		
1100 (8)b	Octagonal Junction Box, 101mm x 101mm x 54mm, Ga. 16	piece	1,149.00		
1101	WIRES AND WIRING DEVICES (including connectors, tapes, etc.)				
1101 (2)b2	Electric Wire, 3.5mm ² THHN/THWN-2	meter	11,154.00		
1101 (2)b2	Electric Wire, 3.5mm ² TW (G)	meter	4,488.00		
1101 (3)	Light Switch, 16A, One Gang, 230V, 60Hz	set	111.00		
1101 (4)	Light Switch, 16A, Two Gang, 230V, 60Hz	set	66.00		
1101 (5)	Light Switch, 16A, Three Gang, 230V, 60Hz	set	22.00		
1101 (6)a	Three-Way Switch, One Gang with 1 - 16A, 230V Device	set	4.00		
1101 (6)b	Three-Way Switch, One Gang with 2 - 16A, 230V Device	set	20.00		
1101 (6)c	Three-Way Switch, One Gang with 3 - 16A, 230V Device	set	4.00		
1103	Lighting Fixtures				
1103 (1)a	Type "A", Down Light with 1 x 12W LED Bulb, 230V, 60Hz, Recessed Mounted.	set	257.00		
1103 (1)d1	Type "B", Surface mtd Troffer Type Lighting Fixture, 2 x 16W LED Lamp, 230V, 60Hz, 1200mm x 600mm with Prismatic Diffuser.	set	2.00		
1103 (1)d2	Type "B1", Recessed Troffer Type Lighting Fixture, 2 x 16W LED Lamp, 230V, 60Hz, 1200mm x 600mm with Prismatic Diffuser.	set	134.00		
1103 (1)e	Type "C", Slim Box Type Lighting Fixture with 1 x 16W LED Lamp with Electronic Ballast, 230V, 60Hz, Recessed Mounted.	set	78.00		
1103 (1)g	Type "E", Enclosed and Gasketed Lighting Fixture with 2 x 16W LED Lamp, 230V, 60Hz, Surface Mounted.	set	25.00		
1103 (1)h	Type "E1", Enclosed and Gasketed Lighting Fixture with 2 x 16W LED Lamp, 230V, 60Hz, Suspended.	set	3.00		
1103 (1)x	Type "E2", Enclosed and Gasketed Lighting Fixture with 1 x 16W LED Lamp, 230V, 60Hz.	set	10.00		
1103 (1)j	Type "H", Omni-directional Elevated Edge Fato perimeter LED Light, Green Smooth Glass Globe for Day Light Recognition.	set	16.00		
1103 (1)j1	Type "H1", Omni-directional Inset TLOF Perimeter LED Light, Green LED, Inout power 95V-250V	set	8.00		
1103 (1)m	Type "J", Round Ground Recessed Lighting Fixture made with Die-cast Aluminum w/ Powdered Paint Finish, Stainless Steel Frame and semi-Frosted Toughened Front Glass Tilting Angle, 16W LED lamp, 230V, 60Hz	set	6.00		
1103 (1)q	Type "M", Recessed Troffer Type Lighting Fixture with Prismatic Diffuser, 2 x 8W LED Lamp, 230V, 60Hz with Prismatic Diffuser.	set	507.00		
1103 (1)t	Type "S", Surface Mounted Round Downlight with 12W LED Bulb, 230V, 60Hz.	set	6.00		
1103 (1)u	Emergency Lighting Fixture, 2 x 2.5W LED Lamp, 230V, 60Hz.	set	97.00		
1103 (1)v	Exit Light in Aluminum Housing with High Grade Replaceable Acrylic Panel, Removable Directional Indicators, Letters 6" Height with 3/4" Stroke.	set	22.00		
1103 (1)y	Wind Cone, sock size 1, 18" dia., 8' long, orange complete with 1 set obstruction light, 4sets LED Floodlights and 8' pole.	set	1.00		
1103 (3)	Testing and Commissioning	lot	1.00		
	SUB-TOTAL				
1102	POWER SYSTEM				

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC
 Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
1100	CONDUITS, BOXES & FITTINGS (CONDUIT WORKS / CONDUIT ROUGH-INS)				
1100 (6)a	Polyvinyl Chloride Pipes (PVC/uPVC), 20mm dia.	meter	4,470.00		
1100 (6)b	Polyvinyl Chloride Pipes (PVC/uPVC), 25mm dia.	meter	15.00		
1100 (6)c	Polyvinyl Chloride Pipes (PVC/uPVC), 32mm dia.	meter	219.00		
1100 (6)d	Polyvinyl Chloride Pipes (PVC/uPVC), 40mm dia.	meter	24.00		
1100 (6)f	Polyvinyl Chloride Pipes (PVC/uPVC), 65mm dia.	meter	87.00		
1100 (6)g	Polyvinyl Chloride Pipes (PVC/uPVC), 75mm dia.	meter	54.00		
1100 (6)h	Polyvinyl Chloride Pipes (PVC/uPVC), 90mm dia.	meter	108.00		
1100 (6)i	Polyvinyl Chloride Pipes (PVC/uPVC), 110mm dia.	meter	12.00		
1100 (3)a	Flexible Metal Conduit, 15mm dia.	meter	158.00		
1100 (12)a	Liquidtight Flexible Metal Conduit, 15mm dia.	meter	17.00		
1100 (12)d	Liquidtight Flexible Metal Conduit, 32mm dia.	meter	3.00		
1100 (12)f	Liquidtight Flexible Metal Conduit, 50mm dia.	meter	3.00		
1100 (12)g	Liquidtight Flexible Metal Conduit, 65mm dia.	meter	1.00		
1100 (13)a	Straight Connector, 15mm dia.	piece	362.00		
1100 (14)a	Liquidtight Straight Connector, 15mm dia.	piece	20.00		
1100 (14)d	Liquidtight Straight Connector, 32mm dia.	piece	6.00		
1100 (14)f	Liquidtight Straight Connector, 50mm dia.	piece	6.00		
1100 (14)g	Liquidtight Straight Connector, 65mm dia.	piece	2.00		
1111 (6)a	Cable Tray, Ladder Type Hot Dipped Galv. Ga. # 16, 600mmW x 100mmD x 2400mmL complete with necessary fittings, supports and other accs needed to complete the system	length	19.00		
1100 (8)a	Utility Box, 101mm x 54mm x 54mm, Ga. 16	piece	512.00		
1100 (8)b	Octagonal Junction Box, 101mm x 101mm x 54mm, Ga. 16	piece	181.00		
1100 (8)c	Square Box, 101mm x 101mm x 54mm, Ga. 17	piece	14.00		
1101	WIRES AND WIRING DEVICES (including connectors, tapes, etc.)				
1101 (2)b2	Electric Wire, 3.5mm ² THHN/THWN-2	meter	9,685.00		
1101 (2)b3	Electric Wire, 5.5mm ² THHN/THWN-2	meter	357.00		
1101 (2)b4	Electric Wire, 8.0mm ² THHN/THWN-2	meter	99.00		
1101 (2)b5	Electric Wire, 14mm ² THHN/THWN-2	meter	603.00		
1101 (2)b6	Electric Wire, 22mm ² THHN/THWN-2	meter	18.00		
1101 (2)b7	Electric Wire, 30mm ² THHN/THWN-2	meter	62.00		
1101 (2)b9	Electric Wire, 50mm ² THHN/THWN-2	meter	81.00		
1101 (2)b11	Electric Wire, 80mm ² THHN/THWN-2	meter	63.00		
1101 (2)b12	Electric Wire, 100mm ² THHN/THWN-2	meter	32.00		
1101 (2)b15	Electric Wire, 200mm ² THHN/THWN-2	meter	525.00		
1101 (1)g7	Electric Wire, 4C x 60mm ² CU/XLPE/PVC	meter	68.00		
1101 (1)g8	Electric Wire, 4C x 80mm ² CU/XLPE/PVC	meter	63.00		
1101 (1)g10	Electric Wire, 4C x 125mm ² CU/XLPE/PVC	meter	99.00		
1101 (1)g11	Electric Wire, 4C x 150mm ² CU/XLPE/PVC	meter	258.00		
1101 (2)b2	Electric Wire, 3.5mm ² TW (G)	meter	4,843.00		
1101 (2)b3	Electric Wire, 5.5mm ² TW (G)	meter	386.00		
1101 (2)b4	Electric Wire, 8.0mm ² TW (G)	meter	6.00		
1101 (2)b5	Electric Wire, 14mm ² TW (G)	meter	21.00		
1101 (2)b6	Electric Wire, 22mm ² TW (G)	meter	27.00		
1101 (2)b7	Electric Wire, 30mm ² TW (G)	meter	32.00		
1101 (2)b12	Electric Wire, 100mm ² TW (G)	meter	175.00		
1101 (15)	Single Convenience Outlet / Receptacle (GT), 250V, 15A, 2P for Hand Dryer	set	3.00		

BILL OF QUANTITIES

Project Name : **CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC**
Location : **FORT BONIFACIO, TAGUIG**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
1101 (16)	Duplex Convenience Outlet / Receptacle (GT), 250V, 15A, 2P, Wall Mounted	set	456.00		
1101 (16)	Duplex Convenience Outlet / Receptacle (GT), 250V, 15A, 2P, Counter Top	set	2.00		
1101 (19)	Weatherproof Duplex Convenience Outlet / Receptacle (GT)	set	7.00		
1101 (20)	Special Purpose Outlet / Receptacle, (GT) for ACU, WH, etc.	set	22.00		
1101 (22)	Pop-up type / Floor Duplex Convenience Outlet / Receptacle (GT)	set	14.00		
1101 (27)	Duplex Convenience Outlet with GFCI, 250V, 15A, 2P	set	22.00		
1102	PANELBOARDS AND EQUIPMENT				
1102 (1)d'	Panelboard, MDP, Main: 1600A, 3P, 230V, 60Hz, MCCB, 36KAIC, Branches: 1 - 600AT/600AF, 3P, MCCB, 1 - 450AT/600AF, 3P, MCCB, 1 - 400AT/400AF, 3P, MCCB, 1 - 350AT/400AF, 3P, MCCB, 1 - 175AT/225AF, 3P, MCCB, 1 - 150AT/225AF, 3P, MCCB, 1 - 125AT/225AF, 3P, MCCB, 2 - 80AT/100AF, 3P, MCCB, 1 - 30AT/100AF, 3P, MCCB, 1 - TVSS, 200kA/Phase, complete with 1 - Digital Power Meter, 3 - Current Transformer, 2000/5A, 3 - Current Limiting Fuse in NEMA 1 Enclosure.	set	1.00		
1102 (1)e'	Panelboard, PPLG, Main: 175AT/225AF, 3P, 230V, 60Hz, MCCB, 18KAIC, Branches: 1 - 60AT/100AF, 3P, MCCB, 2 - 30AT/100AF, 3P, MCCB, 1 - 20AT/100AF, 3P, MCCB, 2 - 40AT/100AF, 2P, MCCB, 1 - 30AT/100AF, 2P, MCCB, 14 - 20AT/100AF, 2P, MCCB, 1 - TVSS, 120kA/Phase in NEMA 1 Enclosure.	set	1.00		
1102 (1)f'	Panelboard, 1PPACU, Main: 600AT/600AF, 3P, 230V, 60Hz, MCCB, 18KAIC, Branches: 1 - 400AT/400AF, 3P, MCCB, 1 - 350AT/400AF, 3P, MCCB, 1 - 70AT/100AF, 3P, MCCB, 1 - 60AT/100AF, 3P, MCCB, 1 - 30AT/100AF, 3P, MCCB, 10 - 20AT/100AF, 2P, MCCB, 1 - TVSS, 120kA/Phase in NEMA 1 Enclosure.	set	1.00		
1102 (1)g'	Panelboard, 2PPACU, Main: 150AT/225AF, 3P, 230V, 60Hz, MCCB, 18KAIC, Branches: 2 - 60AT/100AF, 3P, MCCB, 1 - 30AT/100AF, 3P, MCCB, 7 - 20AT/100AF, 2P, MCCB, 1 - TVSS, 120kA/Phase in NEMA 1 Enclosure.	set	1.00		
1102 (1)h'	Panelboard, 3PPACU, Main: 125AT/225AF, 3P, 230V, 60Hz, MCCB, 18KAIC, Branches: 2 - 60AT/100AF, 3P, MCCB, 1 - 30AT/100AF, 3P, MCCB, 7 - 20AT/100AF, 2P, MCCB, 1 - TVSS, 120kA/Phase in NEMA 1 Enclosure.	set	1.00		
1102 (1)i'	Panelboard, 4PPACU, Main: 400AT/400AF, 3P, 230V, 60Hz, MCCB, 18KAIC, Branches: 1 - 225AT/400AF, 3P, MCCB, 1 - 150AT/225AF, 3P, MCCB, 2 - 60AT/100AF, 3P, MCCB, 1 - 30AT/100AF, 3P, MCCB, 9 - 20AT/100AF, 2P, MCCB, 1 - TVSS, 120kA/Phase in NEMA 1 Enclosure.	set	1.00		
1102 (1)j'	Panelboard, PPRD, Main: 300AT/400AF, 3P, 230V, 60Hz, MCCB, 18KAIC, Branches: 1 - 300AT/400AF, 3P, MCCB, 1 - 200AT/225AF, 3P, MCCB, 1 - 40AT/100AF, 3P, MCCB, 4 - 30AT/100AF, 3P, MCCB, 1 - 20AT/100AF, 3P, MCCB, 7 - 20AT/100AF, 2P, MCCB, 1 - TVSS, 120kA/Phase in NEMA 4X Enclosure.	set	1.00		
1102 (1)k'	Panelboard, 1LPPA, Main: 70AT/100AF, 3P, 230V, 60Hz, MCCB, 10KAIC, Branches: 20 - 20AT/100AF, 2P, MCCB in NEMA 1 Enclosure.	set	1.00		
1102 (1)l'	Panelboard, 1LPPB / 2LPPA / 2LPPB, Main: 60AT/100AF, 3P, 230V, 60Hz, MCCB, 10KAIC, Branches: 16 - 20AT/100AF, 2P, MCCB in NEMA 1 Enclosure.	set	3.00		
1102 (1)m'	Panelboard, 3LPPA / 3LPPB / 4LPPB, Main: 60AT/100AF, 3P, 230V, 60Hz, MCCB, 10KAIC, Branches: 14 - 20AT/100AF, 2P, MCCB in NEMA 1 Enclosure.	set	3.00		
1102 (1)n'	Panelboard, 4LPPA, Main: 60AT/100AF, 3P, 230V, 60Hz, MCCB, 10KAIC, Branches: 18 - 20AT/100AF, 2P, MCCB in NEMA 1 Enclosure.	set	1.00		
1102 (7)a	Automatic Transfer Switch (ATS), 1600A, 3P, 230V, 60Hz, in NEMA 1 Enclosure	set	1.00		
1102 (16)a1.3	Standby Diesel Generator Set, 500kW, 230V, 3Ø, 60Hz	set	1.00		
1102 (24)s1	Enclosed Circuit Breaker, 1600AT, 3P, 230V with LSIG trip unit in NEMA 1 Enclosure	set	1.00		
1102 (24)p3	Enclosed Circuit Breaker, 400AT, 400AF, 3P, 230V in NEMA 4X Enclosure	set	1.00		
1102 (24)o3	Enclosed Circuit Breaker, 350AT, 400AF, 3P, 230V in NEMA 4X Enclosure	set	1.00		
1102 (24)n3	Enclosed Circuit Breaker, 300AT, 400AF, 3P, 230V in NEMA 4X Enclosure	set	1.00		
1102 (24)j3	Enclosed Circuit Breaker, 225AT, 225AF, 3P, 230V in NEMA 4X Enclosure	set	1.00		
1102 (24)k3	Enclosed Circuit Breaker, 200AT, 225AF, 3P, 230V in NEMA 4X Enclosure	set	1.00		
1102 (24)i3	Enclosed Circuit Breaker, 150AT, 225AF, 3P, 230V in NEMA 4X Enclosure	set	1.00		
1102 (24)d1	Enclosed Circuit Breaker, 50AT, 100AF, 3P, 230V in NEMA 1 Enclosure	set	1.00		
1102 (24)c2	Enclosed Circuit Breaker, 40AT, 100AF, 2P, 230V in NEMA 3R Enclosure	set	2.00		
1102 (25)d	Magnetic Starter FVNR, NEMA 00, 1Ø, 230V in NEMA 1 Enclosure	set	1.00		
1102 (25)e	Magnetic Starter FVNR, NEMA 0, 1Ø, 230V in NEMA 3R Enclosure	set	3.00		
1102 (25)f	Magnetic Starter FVNR, NEMA 1, 1Ø, 230V in NEMA 3R Enclosure	set	1.00		

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC
Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
1102 (25)g	Magnetic Starter FVNR, NEMA 1, 3Ø, 230V in NEMA 3R Enclosure	set	2.00		
1102 (29)	Testing and Commissioning	lot	1.00		
	SUB-TOTAL				
1208	FIRE ALARM SYSTEM				
1100	CONDUITS, BOXES & FITTINGS (CONDUIT WORKS / CONDUIT ROUGH-INS)				
1100 (2)a	Intermediate Metal Conduit (IMC), 15mm dia.	meter	1,953.00		
1100 (3)a	Flexible Metal Conduit, 15mm dia.	meter	181.00		
1100 (13)a	Straight Connector, 15mm dia.	piece	362.00		
1100 (8)a	Utility Box, 101mm x 54mm x 54mm, Ga. 16	piece	16.00		
1100 (8)b	Octagonal Junction Box, 101mm x 101mm x 54mm, Ga. 16	piece	232.00		
1100 (8)c	Square Box, 101mm x 101mm x 54mm, Ga. 16	piece	16.00		
1101	WIRES AND WIRING DEVICES (including connectors, tapes, etc.)				
1101 (35)b	1.25mm ² Twisted Pair Shielded Cable	meter	1,619.00		
1101 (2)b1	Electric Wire, 2.0mm ² THHN/THWN-2	meter	607.00		
1101 (2)b2	Electric Wire, 3.5mm ² THHN/THWN-2	meter	28.00		
1101 (2)b2	Electric Wire, 3.5mm ² TW (G)	meter	14.00		
1208 (5)	Fire Alarm Control Panel (FACP) - 2 Loops	set	1.00		
1208 (13)	Fire Alarm Annunciator Panel (FAAP)	set	1.00		
1208 (2)	Photoelectric Smoke Detector, Addressable Type	set	159.00		
1208 (3)	Heat Detector, Rate of Rise, Addressable Type	set	22.00		
1208 (6)	Fire Alarm Manual Pull Station, Addressable Type	set	16.00		
1208 (4)	Fire Alarm Horn with Strobe Light	set	16.00		
1208 (12)	Zone Addressable Module	set	19.00		
1208 (14)	Testing and Commissioning	lot	1.00		
	SUB-TOTAL				
1105	NETWORK CABLING SYSTEM				
1100	CONDUITS, BOXES & FITTINGS (CONDUIT WORKS / CONDUIT ROUGH-INS)				
1100 (6)a	Polyvinyl Chloride Pipes (PVC/uPVC), 20mm dia.	meter	27.00		
1100 (6)b	Polyvinyl Chloride Pipes (PVC/uPVC), 25mm dia.	meter	354.00		
1100 (6)c	Polyvinyl Chloride Pipes (PVC/uPVC), 32mm dia.	meter	441.00		
1100 (6)d	Polyvinyl Chloride Pipes (PVC/uPVC), 40mm dia.	meter	201.00		
1100 (8)a	Utility Box, 101mm x 54mm x 54mm, Ga. 16	piece	264.00		
1100 (8)j	Pullbox, 350mmH x 350mmW x 200mmD	piece	4.00		
1100 (8)c	Square Box, 101mm x 101mm x 54mm, Ga. 16	piece	16.00		
1102 (8)j	Wireway, 300mmW x 75mmD x 2400mmL complete with necessary fittings and supports.	length	15.00		
1102 (8)k	Wireway, 250mmW x 75mmD x 2400mmL complete with necessary fittings and supports	length	126.00		
1101	WIRES AND WIRING DEVICES (including connectors, tapes, etc.)				
1105 (7)	0.57mm, 4 Pairs, Cat. 6, Unshielded Twisted Pair Cable	roll	41.00		
1105 (21)a	25 Pairs, Cat. 5e, Unshielded Twisted Pair Cable	meter	40.00		
1101 (2)b2	Electric Wire, 3.5mm ² THHN/THWN-2	meter	52.00		
1101 (2)b2	Electric Wire, 3.5mm ² TW (G)	meter	26.00		
1105 (14)	Single Work Station Outlet, Data Line or Voice Line	set	210.00		

BILL OF QUANTITIES

Project Name : **CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC**
 Location : **FORT BONIFACIO, TAGUIG**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
1105 (15)	Double Work Station, Wall Mounted Outlet, Combination of Voice and Data	set	70.00		
1105 (17)	Double Work Station, Floor Mounted Outlet, Combination of Voice and Data	set	16.00		
1105 (22)a	Private Automatic Branch Exchange (PABX) (4 Direct, 21 Locals)	set	1.00		
1105 (2)b	MDF PANEL consist of the ff: 1 Set - FOC Panel, 1 Set - UTP Patch Cord, 6 Set - 24 Port Patch Panel for Data, 2 Set - 24 Port Patch Panel for Voice, 1 Set - FOC Panel, 1 Set - Disconnection Module with Pole Arrester and Hinge Label, Miscellaneous and other accs needed to complete the system	set	1.00		
1105 (2)a	IDF PANEL consist of the ff: 1 Set - UTP Patch Cord, 7 Set - 24 Port Patch Panel for Data, 1 Set - 24 Port Patch Panel for Voice, 1 Set - Disconnection Module with Pole Arrester and Hinge Label, Miscellaneous and other accs needed to complete the system	set	1.00		
1106 (8)	Centralized Power Supply with 1kVA UPS	set	2.00		
1105 (23)	Testing and Commissioning	lot	1.00		
	SUB-TOTAL				
1106	CCTV SYSTEM				
1100	CONDUITS, BOXES & FITTINGS (CONDUIT WORKS / CONDUIT ROUGH-INS)				
1100 (6)a	Polyvinyl Chloride Pipes (PVC/uPVC), 20mm dia.	meter	12.00		
1100 (6)b	Polyvinyl Chloride Pipes (PVC/uPVC), 25mm dia.	meter	582.00		
1100 (3)a	Flexible Metal Conduit, 15mm dia.	meter	9.00		
1100 (13)a	Straight Connector, 15mm dia.	piece	27.00		
1100 (8)a	Utility Box, 101mm x 54mm x 54mm, Ga. 16	piece	2.00		
1100 (8)b	Octagonal Junction Box, 101mm x 101mm x 54mm, Ga. 16	piece	13.00		
1101	WIRES AND WIRING DEVICES (including connectors, tapes, etc.)				
1105 (7)	0.57mm, 4 Pairs, Cat. 6, Unshielded Twisted Pair Cable	roll	2.00		
1101 (2)b2	Electric Wire, 3.5mm ² THHN/THWN-2	meter	28.00		
1101 (2)b2	Electric Wire, 3.5mm ² TW (G)	meter	14.00		
1106 (2)a	IP - Fixed Dome Type CCTV Camera, 2MP	set	13.00		
1106 (13)a	IP - Bullet Type CCTV Camera, 2MP	set	2.00		
1106 (15)	24U DATA CABINET consist of 1 Set - 24 Port Patch Panel, 1 Set - 24 Port POE Switch, 1 Set - 8 Port GB Core Switch, 1 Set - 8 SATA at 4TB Network Video Recorder (NVR), 1 Set - Centralized Power Supply with 5kVA UPS, Miscellaneous and other accs needed to complete the system	set	1.00		
1106 (16)	CCTV EQUIPMENT consist of 1 Set - 42" LED Monitor, 42" LED Monitor complete with Keyboard and Joystick, 1 Set - Central Processing Unit (CPU) - Intel Core i7 Extreme Processor 3.2GHz, 8GB RAM Memory, Window 8 OR 8.1 Professional, 1 Set - Centralized Power Supply with 1kVA UPS, Miscellaneous and other accs needed to complete the system	set	1.00		
1106 (17)	Testing and Commissioning	lot	1.00		
	SUB-TOTAL				
1107	PUBLIC ADDRESS SYSTEM				
1100	CONDUITS, BOXES & FITTINGS (CONDUIT WORKS / CONDUIT ROUGH-IN)				
1100 (6)a	Polyvinyl Chloride Pipes (PVC/uPVC), 20mm dia.	meter	6.00		
1100 (6)b	Polyvinyl Chloride Pipes (PVC/uPVC), 25mm dia.	meter	756.00		
1100 (3)b	Flexible Metal Conduit, 20mm dia.	meter	58.00		
1100 (13)b	Straight Connector, 20mm dia.	piece	230.00		
1100 (8)a	Utility Box, 101mm x 54mm x 54mm, Ga. 16	piece	2.00		
1100 (8)b	Octagonal Junction Box, 101mm x 101mm x 54mm, Ga. 16	piece	228.00		
1101	WIRES AND WIRING DEVICES (including connectors, tapes, etc.)				

BILL OF QUANTITIES

Project Name : **CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC**
 Location : **FORT BONIFACIO, TAGUIG**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
1101 (35)b	1.25mm² Twisted Pair Shielded Cable	meter	872.00		
1101 (2)b2	Electric Wire, 3.5mm² THHN/THWN-2	meter	16.00		
1101 (2)b2	Electric Wire, 3.5mm² TW (G)	meter	8.00		
1107 (6)	Ceiling Speaker, 6 Watts	set	115.00		
1107 (7)b	Wall Mounted Speaker, 15 Watts	set	2.00		
1107 (14)	PA Equipment complete with Power Amplifier, 3 x 240W, Remote Microphone with Internal Chime Module, Free Standing Closed Rack, BGM Player / Recorder, controller, call station, ups and other accs needed to complete the system.	set	1.00		
1107 (16)	Testing and Commissioning	lot	1.00		
	SUB-TOTAL				
	CATV SYSTEM (Roughing-ins only)				
1100	CONDUITS, BOXES & FITTINGS (CONDUIT WORKS / CONDUIT ROUGH-INS)				
1100 (6)b	Polyvinyl Chloride Pipes (PVC/uPVC), 25mm dia.	meter	1,356.00		
1100 (6)f	Polyvinyl Chloride Pipes (PVC/uPVC), 63mm dia.	meter	30.00		
1100 (8)a	Utility Box, 101mm x 54mm x 54mm, Ga. 16	piece	59.00		
1100 (8)k	Pullbox, 425mmH x 200mmW x 325mmD	piece	4.00		
1101 (36)	CATV Outlet, one-hole plate cover only	piece	59.00		
	SUB-TOTAL				
	AUDIO VISUAL SYSTEM				
1100	CONDUITS, BOXES & FITTINGS (CONDUIT WORKS / CONDUIT ROUGH-INS)				
1100 (6)b	Polyvinyl Chloride Pipes (PVC/uPVC), 25mm dia.	meter	30.00		
1100 (8)b	Octagonal Junction Box, 101mm x 101mm x 54mm, Ga. 16	piece	2.00		
1100 (8)c	Square Box, 101mm x 101mm x 54mm, Ga. 16	piece	4.00		
1101	WIRES AND WIRING DEVICES (including connectors, tapes, etc.)				
1101 (35)b	1.25mm² Twisted Pair Shielded Cable	meter	32.00		
1107 (6)a	Wall Mount Speaker, 6 Watts	set	4.00		
1107 (15)	Audio-visual equipment consist of table mount modular multi-connection solution-tilt-up, HDMI over twisted pair transmitter, HDMI over twisted pair receiver, Computer video & stereo audio over twisted pair transmitter, Computer video & stereo audio over twisted pair receiver, HDMI audio deembedder, mixer/amplifier and other accs needed to complete the system.	set	1.00		
1107 (17)	Testing and Commissioning	lot	1.00		
	TOTAL AUDIO VISUAL SYSTEM PER CONFERENCE ROOM				
	SUB-TOTAL (TOTAL COST FOR 4 CONFERENCE ROOM)				
1108	ACCESS CONTROL SYSTEM				
1100	CONDUITS, BOXES & FITTINGS (CONDUIT WORKS / CONDUIT ROUGH-INS)				
1100 (6)b	Polyvinyl Chloride Pipes (PVC/uPVC), 25mm dia.	meter	15.00		
1100 (8)a	Utility Box, 101mm x 54mm x 54mm, Ga. 16	piece	5.00		
1100 (8)b	Octagonal Junction Box, 101mm x 101mm x 54mm, Ga. 16	piece	1.00		
1101	WIRES AND WIRING DEVICES (including connectors, tapes, etc.)				
1101 (35)b	1.25mm² Twisted Pair Shielded Cable	meter	17.00		
1105 (7)	0.57mm, 4 Pairs, Cat. 6, Unshielded Twisted Pair Cable	roll	0.027		

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC
 Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
	Access Control Equipment and Devices				
1108 (6)	ACS Panel w/ built-in Biometrics/Recording, TCP Network Ready	set	1.00		
1108 (7)	Emergency Break Glass	set	1.00		
1108 (8)	Card Reader	set	1.00		
1108 (9)	Electromagnetic Lock with built in magnetic door contact	set	1.00		
1108 (10)	RM4 Auxiliary Relay Module	set	1.00		
1108 (11)	Exit Push Button	set	1.00		
1108 (12)	Centralized Power Supply with 1 KVA UPS	set	1.00		
1108 (13)	Testing and Commissioning	lot	1.00		
	SUB-TOTAL				
1109	GROUNDING AND LIGHTNING PROTECTION SYSTEM				
1100	CONDUITS, BOXES & FITTINGS (CONDUIT WORKS / CONDUIT ROUGH-INS)				
1100 (6)b	Polyvinyl Chloride Pipes (PVC/uPVC), 25mm dia.	meter	24.00		
1109 (4)k	Bare Copper Wire, 60mm ² Soft Drawn	meter	252.00		
1109 (6)e	Grounding Rod Copper Clad, 20mm dia. x 3m	length	24.00		
1109 (7)	Grounding Test Well	piece	2.00		
1109 (2)	Exothermic Welded Connector	piece	37.00		
1109 (3)	Lightning protection ESE Type Air Terminal @ 60m radius of protection complete with lightning counter, mounting mast, supports and other accs needed to complete the system	set	1.00		
1109 (9)	Testing and Commissioning	lot	1.00		
	SUB-TOTAL				
	TOTAL ELECTRICAL WORKS (BUILDING)			Php	
	TOTAL COST (STS BUILDING)			Php	




BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC
 Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Php)	TOTAL COST (Php)
	BUILDING NAME: FOOTBRIDGE				
800	STRUCTURAL EARTHWORK				
803 (1) a	Structural Excavation (includes disposal to designated area)	cu.m.	79.30		
803 (3) a	Foundation Fill, Gravel Bedding (includes compaction)	cu.m.	3.60		
803 (8)	Structural Backfill (includes compaction)	cu.m.	61.60		
102 (6)a	Hauling of Excess Materials	cu.m.	17.70		
1000 (1)	Soil Poisoning	liters	10.00		
	TOTAL COST - STRUCTURAL EARTHWORKS				
900	CONCRETE WORKS				
	Cast-In Place Concrete, 28 MPa				
900 (8) a-2	Structural Concrete, Footbridge Footings, Class A (fc=28 MPa) @ 28 days	cu.m.	12.10		
900 (8) b-5	Structural Concrete, Footbridge Beams, Class A (fc=28 MPa) @ 28 days	cu.m.	13.50		
900 (8) b-6	Structural Concrete, Footbridge Columns, Class A (fc=28 MPa) @ 28 days	cu.m.	10.90		
900 (8) b-7	Structural Concrete, Footbridge Suspended Slab, Class A (fc=28 MPa) @ 28 days	cu.m.	20.00		
	Reinforcing Steel				
902 (1) a12	Reinforcing Steel, Footbridge Suspended Slab, Grade 40	kg.	209.10		
902 (1) b2	Reinforcing Steel, Footbridge Footings, Grade 60	kg.	1,007.00		
902 (1) b14	Reinforcing Steel, Footbridge Beams, Grade 60	kg.	3,705.80		
902 (1) b20	Reinforcing Steel, Footbridge Columns, Grade 60	kg.	861.00		
902 (1) b25	Reinforcing Steel, Footbridge Suspended Slab, Grade 60	kg.	2,456.80		
	Formworks and Falsework				
903 (2) a-2	Formworks and Falsework, Footbridge Footings	sq.m.	44.00		
903 (2) e-2	Formworks and Falsework, Footbridge Beams	sq.m.	80.00		
903 (2) f-2	Formworks and Falsework, Footbridge Columns	sq.m.	62.60		
903 (2) g-2	Formworks and Falsework, Footbridge Suspended Slab	sq.m.	123.40		
	TOTAL COST - CONCRETE WORKS				
1047	METAL WORKS				
	Furnished, Fabricated and Erected				
1047 (2) d-2	Structural Steel, Rafter (Angular Sections)	kgs.	117.30		
1047 (2) g-2	Structural Steel, Footbridge (Tubular Sections)	kgs.	12,424.30		
1047 (3) a4	Metal Structure and Accessories, Anchor Bolts, Ø12 mm w/ Std Nuts & Washer, A307, (depth of embedment = 100 mm)	ea.	104.00		
1047 (6) a	Metal Structure Accessories, Base Plates (includes non-shrink grout)	kgs.	293.90		
1047 (6) b	Metal Structure Accessories, Steel Plates / Connector Plates	kgs.	192.40		
	TOTAL COST - METAL WORKS				

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC

Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST (Pesos)	AMOUNT (Pesos)
	BUILDING NAME: FOOTBRIDGE				
	ARCHITECTURAL WORKS				
101	REMOVAL OF STRUCTURES AND OBSTRUCTIONS				
101 (2)	Removal of Actual Structures and Obstruction (Existing Aluminum Window)	ea.	1.00		
101 (6)	Removal of Structures and Obstruction, Concrete (Partial Existing CHB Wall and Stone Finish, 2800mm W x 1000mm H)	cu.m.	0.60		
1004	FINISHING HARDWARE				
1004 (2) d1	Metal Threshold	set	1.00		
1005	STEEL WINDOW				
1005 (7) f	Steel Louver @ Interconnecting Bridge; includes 6mm Thk x 50mm Flat Bar, 25 x 50mm Tubular Steel Framing, all fastening accessories needed to complete work; Painted Finish	sq.m.	27.00		
1007	ALUMINUM FRAMED GLASS DOOR				
1007 (1) b2	Swing Type (12mm Thk Tempered Glass, with 6mm Thk Tempered Glass Sidelight, Double Leaf; Type X= 2800mm W x 2550mm H)	sq.m.	7.14		
1014	PREPAINTED METAL SHEETS				
1013	Hi-Rib (Preformed Prepainted Metal Roofing, Galvalume Ga. 24, including, bended materials, flashings, ridge roll and other attachment accessories necessary to complete work.)	sq.m.	128.52		
1018	CERAMIC/ GRANITE TILES				
1018 (8) a	Floor Finish: Homogeneous Tiles, 10mm Thk x 600 x 600mm	sq.m.	108.60		
1027	CEMENT PLASTER FINISH/ DECORATIVE STONE				
1027 (1) a	Cement Plaster Finish	sq.m.	308.93		
1027 (1) b	Cement Plaster Finish: Drip Mould, 25mm Ø	l.m.	89.47		
1032	PAINTING, VARINISHING AND OTHER RELATED WORKS				
1032 (1) a1	Painting on Concrete, Exterior Semi- Glossed Finish	sq.m.	308.93		
1032 (1) c1	Painting on Steel: Exposed Structural Metals	sq.m.	312.23		
1039	ALUMINUM CLADDING				
1039 (1)	Aluminum Cladding, 4.0mm Thk	sq.m.	225.45		
1047	METAL STRUCTURES				
1047 (10)	Seismic Gap Cover, Floor to Floor	l.m.	4.20		
1047 (10) h	Brass Nosing	l.m.	54.00		
1051	RAILINGS				
1051 (7) b	12mm Thk Tempered Glass Railing with 1-38mm Ø Stainless Steel Rail, including all fastening accessories needed to complete work. H= 900mm (Location: Interconnecting Bridge)	l.m.	87.40		
	TOTAL COST - ARCHITECTURAL WORKS				

BILL OF QUANTITIES

Project Name : CONSTRUCTION OF SPECIAL AND TECHNICAL STAFF BUILDING FOR SSC AND DACC
 Location : FORT BONIFACIO, TAGUIG

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	TOTAL INDIRECT COST	TOTAL COST
PART D	ELECTRICAL WORKS				
1103	LIGHTING SYSTEM				
1100	CONDUITS, BOXES & FITTINGS (CONDUIT WORKS / CONDUIT ROUGH-INS)				
1100 (6)a	Polyvinyl Chloride Pipes (PVC/uPVC), 20mm dia.	meter	69.00		
1100 (3)a	Flexible Metal Conduit, 15mm dia.	meter	13.00		
1100 (13)a	Straight Connector, 15mm dia.	piece	50.00		
1100 (8)a	Utility Box, 101mm x 54mm x 54mm, Ga. 16	piece	2.00		
1100 (8)b	Octagonal Junction Box, 101mm x 101mm x 54mm, Ga. 16	piece	25.00		
1101	WIRES AND WIRING DEVICES (including connectors, tapes, etc.)				
1101 (2)b2	Electric Wire, 3.5mm ² THHN/THWN-2	meter	426.00		
1101 (2)b2	Electric Wire, 3.5mm ² TW (G)	meter	93.00		
1101 (6)b	Three-Way Switch, One Gang with 2 - 16A, 230V Device	set	2.00		
1103	Lighting Fixtures				
1103 (1)a	Type "A", Down Light with 1 x 12W LED Bulb, 230V, 60Hz, Recessed Mounted.	set	25.00		
1103 (3)	Testing and Commissioning	lot	1.00		
	SUB-TOTAL				
	TOTAL COST - ELECTRICAL WORKS				
	TOTAL COST (FOOTBRIDGE)				