

ESTIMATED BILL OF QUANTITIES

03 JUNE 2021

ITEM NO.	DESCRIPTION	QTY	UNIT	MATERIALS		LABOR		DIRECT COST	MARK-UPS IN PERCENT			TOTAL INDIRECT COST	TOTAL COST
				UNIT COST	AMOUNT	UNIT COST	AMOUNT		OCM	PROFIT	VAT		
				(1)	(2)	(3)	(4) (1) x (3)		(5)	(6) (1) x (5)	(7)		
1	General Requirements												
1.1	Complete Temporary Facilities (Temporary Water Service and Distribution; Electrical Power and Lighting services; Heating, cooling Ventilation; telephone and Service Data; Temporary Facilities including Drinking water, Storm and Sanitary Sewer; Storm Water Pollution control.	lot	1.00										-
1.2	Complete Support Utilities (Field Office for the General Contractor; Storage and Fabrication Sheds; Dewatering Facilities and Drain; Temporary Enclosure; Temporary Stair Lifts and Hoists; Temporary Exterior Lighting; Collection and Disposal of Waste and Clearing; Temporary Environmental Controls; and Temporary Barracks for On -site Laborer/manpower	lot	1.00										-
1.3	Complete Supply of Health, Safety and Security (First Aid Facilities; Health and Safety Officer; Security Guard for Site and Agency; Temporary Fire Protection; barricades, Warning Signs and Lights; Environmental Protection and Traffic Ways.	lot	1.00										-
1.4	Rehabilitation Permit Facilitation	lot	1.00										-
1.5	Complete Supply and Installation of Project Signs	lot	1.00										-
1.6	Mobilization and Demobilization	lot	1.00										-
1.7	Others (Specify)												-
	sub-total												-
2	Rehabilitation of the SHB 4th Floor Classrooms												
2.1	Removal and Hauling of Existing Plywood Wall Partitions, Doors, Air-Con Ducting, Light Fixtures, Orbit Fans, Switches	1.00	lot										-
2.2	Installation of 6mm Thk. Fiber-Cement Board on Light Metal Frames (spaced 0.40m vertical & 0.60m horizontal); with 3/4" x 6" Baseboard at the Hallways; including Fasteners, etc.	446.83	sq.m.										-
2.3	Installation of Acoustic Ceiling Boards on T-Runners; Including Fasteners, etc.	669.37	sq.m.										-
2.4	Installation of 4.5mm Thk Fiber Cement Ceiling Boards on Light Metal Frames (Hallway)	894.43	sq.m.										-

2.5	Rehabilitation of the Fixed Cabinets at Rooms 410 & 411	2.00	sets																	
2.6	Installation of Hollow Core Flush Doors & Door Jambs w/ Fixed Viewing Glass Panels for Classroom with Stainless Steel Cylindrical Lockset, 4" x 4" Stainless Steel Loose Pin Hinges, 2"x5" kiln dried door jamb; Painted with Two Coats Quick Drying Enamel, Color to be Approved	10.00	sets																	
2.7	Installation of Double Leaf Hollow Core Flush Doors & Door Jambs w/ Fixed Viewing Glass Panels with Stainless Steel Cylindrical Lockset, 4" x 4" Stainless Steel Loose Pin Hinges, 2"x5" kiln dried door jamb; Painted with Two Coats Quick Drying Enamel, Color to be Approved	2.00	sets																	
2.8	Installation of Hollow Core Flush Doors w/ Louvers for Toilets & Electrical Rooms, with Stainless Steel Cylindrical Lockset, 4" x 4" Stainless Steel Loose Pin Hinges, 2" x 5" Kiln Dried Door Jamb; Painted with Two Coats Quick Drying Enamel, Color to be Approved	5.00	sets																	
2.9	Installation of FG-1 (6mm thk Ordinary Glass on 2"x4" Powder Coated Aluminum Frame w/ Clip On Lock	4.00	sets																	
2.10	Installation of FG-2 (6mm thk Ordinary Glass on 2"x4" Powder Coated Aluminum Frame w/ Clip On Lock	5.00	sets																	
2.11	Installation of 177 sets Automatic Sprinkler Heads, with Piping Works & Fire Hose Cabinets (Connect to the Existing 150mm Diam. Riser Pipe at the SHB Extension w/ Provisions for Future Connection w/ the Acad Building AFSS); Including All Pipe Painting Works; Pressure Leak Test	1.00	lot																	
2.12	Installation of Ducted Ventilating Fans with White Metal Grille; Complete with Painted G.I. Sheet Ducting; Hangers & Supports; Stainless Wall Air Vent Cover; 200CFM Capacity	22.00	sets																	
2.13	Installation of Ducted Exhaust Fans with White Metal Grille; Complete with Painted G.I. Sheet Ducting; Hangers & Supports; Stainless Wall Air Vent Cover; 88CFM Capacity	34.00	sets																	-
2.14	Installation of Orbits Fans; 16" Blade 360° Oscillating Fan Thermal Fuse Protected Motor	47.00	sets																	-
2.15	Electrical Wiring Works (12AWG, 14 AWG, PVC Conduits, Hangers and supports)	1.00	lot																	-
2.16	Installation of 1 x 18W T8 LED tube, 1.20 M Long, Daylight in Surface-mounted Troffer Fixture with Reflectors inside the Classrooms & Auditorium	150.00	sets																	-
2.17	Installation of 18W T8 LED Tube on Box Type Fixture	78.00	sets																	-
2.18	Installation of Two-Gang Convenience Outlets; 3-Prong 10A, 240V (Classrooms, Hallways, Projector, Exhaust Fans, Ventilating Fans)	46.00	sets																	-

2.19	Installation of Three-Way One-Gang Switch, 10A, 240V	2.00	sets																	-
2.20	Installation of Two-Gang Switch, 10A, 240V	8.00	sets																	-
2.21	Installation of Three-Gang Switch, 10A, 240V	10.00	sets																	-
2.22	Installation of Three-Way Three-Gang Switch, 10A, 240V	4.00	sets																	-
2.23	Surface Preparation and Application of One Coat Acrylic Primer on New Drywall Partitions; White	893.66	sq.m.																	-
2.24	Application of Two Coats, Semi-Gloss Water-Based Acrylic Paint on Drywall Partitions & Concrete Wall Partitions, Color to be Approved	1,175.79	sq.m.																	-
2.25	Surface Preparation and Application of Two Coats Acrylic Primer on Ficem Ceiling Boards & Exposed Slab Ceiling; White	894.43	sq.m.																	-
2.26	Surface Preparation and Application of One Coat Flatwall Enamel/Primer on Doors & Door Jambs; White	45.74	sq.m.																	-
2.27	Application of Two Coats Quick Drying Enamel on Doors & Door Jambs, Color to be Approved	45.74	sq.m.																	-
2.28	Surface Preparation of all Steel Casement Windows & Grilles, and Application of One Coat Epoxy Primer, Grey at the SHB	28.95	sq.m.																	-
2.29	Application of Two Coats, Epoxy Enamel Paint on All Steel Casement Windows and Grilles at the SHB 4th Floor	28.95	sq.m.																	-
2.30	Others (Specify)																			-
	sub-total																			-
	3 Rehabilitation of the SHB 3rd Floor Classrooms																			
3.1	Removal and Hauling of Existing Plywood Wall Partitions, Doors, Air-Con Ducting, Light Fixtures, Orbit Fans, Switches	1.00	lot																	-
3.2	Installation of 6mm Thk. Fiber-Cement Board on Light Metal Frames (spaced 0.40m vertical & 0.60m horizontal); with 3/4" x 6" Baseboard at the Hallways; including Fasteners, etc.	1,441.10	sq.m.																	-
3.3	Installation of 4.5mm Thk Fiber Cement Ceiling Boards at the SHB Toilets on Light Metal Frames (1st Floor to 3rd Floor)	587.85	sq.m.																	-
3.4	Installation of Hollow Core Flush Doors and Door Jambs w/ Fixed Viewing Glass Panels for Classroom with Stainless Steel Cylindrical Lockset, 4" x 4" Stainless Steel Loose Pin Hinges, 2"x5" kiln dried door jamb; Painted with Two Coats Quick Drying Enamel, Color to be Approved	42.00	sets																	-
3.5	Installation of Double Leaf Hollow Core Flush Doors & Door Jambs w/ Fixed Viewing Glass Panels with Stainless Steel Cylindrical Lockset, 4" x 4" Stainless Steel Loose Pin Hinges, 2"x5" Kiln Dried Door Jamb; Painted with Two Coats Quick Drying Enamel, Color to be Approved	1.00	set																	-

3.6	Installation of Hollow Core Flush Doors w/ Louvers for Toilets & Electrical Rooms, with Stainless Steel Cylindrical Lockset, 4" x 4" Stainless Steel Loose Pin Hinges, 2" x 5" kiln dried door jamb; Painted with Two Coats Quick Drying Enamel, Color to be Approved	9.00	sets																		-	
3.7	Installation of Acoustic Door, w/ Cushioned Leatherette Interior Cover, with Stainless Steel Cylindrical Lockset, 4" x 4" Stainless Steel Loose Pin Hinges, 1" diam. X 12" Stainless Tube Handle with Push Plates, Both sides; Painted with Two Coats Quick Drying Enamel, Color to be Approved	4.00	sets																			-
3.8	Installation of FG-1 (6mm thk Ordinary Glass on 2"x4" Powder Coated Aluminum Frame w/ Clip On Lock	4.00	sets																			-
3.9	Installation of FG-2 (6mm thk Ordinary Glass on 2"x4" Powder Coated Aluminum Frame w/ Clip On Lock	15.00	sets																			-
3.10	Installation of Aluminum Framed Double Leaf Swing Doors; Complete with Hardware & Accessories (Ground Floor to Fourth Floor Front & Back Landing Areas)	8.00	sets																			-
3.11	Installation of 196 sets Automatic Sprinkler Heads, with Piping Works & Fire Hose Cabinets (Connect to the Existing 150mm Diam. Riser Pipe at the SHB Extension w/ Provisions for Future Connection w/ the Acad Building AFSS); Including All Pipe Painting Works; Pressure Leak Test	1.00	lot																			-
3.12	Installation of Ducted Ventilating Fans with White Metal Grille; Complete with Painted G.I. Sheet Ducting; Hangers & Supports; Stainless Wall Air Vent Cover; 200CFM Capacity	40.00	sets																			-
3.13	Installation of Ducted Exhaust Fans with White Metal Grille; Complete with Painted G.I. Sheet Ducting; Hangers & Supports; Stainless Wall Air Vent Cover (Including All Toilets); 88CFM Capacity	82.00	sets																			-
3.14	Installation of Orbits Fans; 16" Blade 360° Oscillating Fan Thermal Fuse Protected Motor	116.00	sets																			-
3.15	Electrical Wiring Works (12AWG, 14 AWG, PVC Conduits, Hangers and supports)	1.00	lot																			-
3.16	Installation of 1 x 18W T8 LED tube, 1.20 M Long, Daylight in Recessed Ceiling-Mounted Troffer Fixture with Reflectors inside the Classrooms	324.00	sets																			-
3.17	Installation of 18W T8 LED Tube on Box Type Fixture	87.00	sets																			-
3.18	Installation of Two-Gang Convenience Outlets; 3-Prong 10A, 240V (Classrooms, Hallways, Projector, Exhaust Fans, Ventilating Fans)	127.00	sets																			-
3.19	Installation of One-Gang Switch, 10A, 240V	2.00	sets																			-
3.20	Installation of Two-Gang Switch, 10A, 240V	10.00	sets																			-
3.21	Installation of Three-Gang Switch, 10A, 240V	20.00	sets																			-

3.22	Installation of Three-Way Three-Gang Switch, 10A, 240V	4.00	sets																		-	
3.23	Installation of Ceiling-Mount Projector Brackets (Universal Ceiling Projector Mount Main Material: Aluminum, Steel Support projector up to 13.5kg(29.7lbs) Tilt Range: ±15° Swivel Range: ±15° 360° rotation for limitless screen placement opportunities Adjustable length for your different choices (Cable & Cable management included)	20.00	sets																			-
3.24	Surface Preparation and Application of One Coat Acrylic Primer on New Drywall Partitions; White	1,441.10	sq.m.																			-
3.25	Application of Two Coats, Semi-Gloss Water-Based Acrylic Paint on Drywall Partitions, Existing Wall Partitions, Color to be Approved	2,051.51	sq.m.																			-
3.26	Surface Preparation and Application of Two Coats Acrylic Primer on FiCem Ceiling Boards & Exposed Slab Ceiling; White	1,323.74	sq.m.																			-
3.27	Surface Preparation and Application of One Coat Flatwall Enamel/Primer on Doors & Door Jambs; White	283.50	sq.m.																			-
3.28	Application of Two Coats Quick Drying Enamel on Doors & Door Jambs at the SHB 3rd Floor, Color to be Approved	283.50	sq.m.																			-
3.29	Surface Preparation of all Steel Casement Windows & Grilles, and Application of One Coat Epoxy Primer, Grey at the SHB 3rd Floor	28.95	sq.m.																			-
3.30	Application of Two Coats, Epoxy Enamel Paint on All Steel Casement Windows and Grilles at the SHB 3rd Floor	28.95	sq.m.																			-
3.31	Others (Specify)																					
	sub-total																					-
	4 Rehabilitation of the SHB Second Floor																					
4.1	Guidance and Counseling Unit																					
4.1.1	Removal and Hauling of Existing Plywood Wall Partitions, Doors, Air-Con Ducting, Light Fixtures, Orbit Fans, Switches	1.00	lot																			-
4.1.2	Installation of 6mm Thk. Fiber-Cement Board on Light Metal Frames (spaced 0.40m vertical & 0.60m horizontal); including Fasteners, etc.	81.22	sq.m.																			-
4.1.3	Installation of 6mm Thk. Fiber-Cement Board on Light Metal Frames (spaced 0.40m vertical & 0.60m horizontal); including Fasteners, etc.; Complete with Soundproofing Between Boards (60kg x 50mm x 0.60m x 5m w/ Foil)	183.53	sq.m.																			-
4.1.4	Installation of Acoustic Ceiling Boards on T-Runners; Including Fasteners, etc.	76.60	sq.m.																			-
4.1.5	Installation of 12mm Thk Gypsum Ceiling Boards at the Guidance Counselor Cubicles & Conference Rooms	98.82	sq.m.																			-

4.1.6	Installation of Hollow Core Flush Doors and Door Jambs; complete w/ Stainless Steel Cylindrical Lockset, 4" x 4" Stainless Steel Loose Pin Hinges, 2"x5" kiln dried door jamb; Painted with Two Coats Quick Drying Enamel, Color to be Approved	13.00	sets																				-	
4.1.7	Installation of 6mm Thk. Tempered Glass Panels on Aluminum Frame w/ Clip-On lock; 0.92mx1.1m at Window Sill Level; Complete with 0.92mx0.30m Frosted Sticker on the Inner Side	8.00	sets																					-
4.1.8	Installation of 150mm LED Pinlight; w/ 7W LED Bulb, Daylight	42.00	sets																					-
4.1.9	Installation of Ceiling Recessed 600x600 LED Tube w/ Diffuser	16.00	sets																					-
4.1.10	Installation of Two-Gang Convenience Outlets; 3-Prong 10A, 240V	26.00	sets																					-
4.1.11	Installation of One-Gang Switch, 10A, 240V	8.00	sets																					-
4.1.12	Installation of Two-Gang Switch, 10A, 240V	7.00	sets																					-
4.1.13	Electrical Wiring Works (12AWG, 14 AWG, PVC Conduits, Hangers and supports)	1.00	lot																					-
4.1.14	Surface Preparation and Application of One Coat Acrylic Primer on New Drywall Partitions; White	529.50	sq.m.																					-
4.1.15	Application of Two Coats, Semi-Gloss Water-Based Acrylic Paint on Drywall Partitions, Existing Wall Partitions, Color to be Approved	529.50	sq.m.																					-
4.1.16	Surface Preparation and Application of Two Coats Acrylic Primer on Fixed Ceiling Boards; White	98.82	sq.m.																					-
4.1.17	Surface Preparation and Application of One Coat Flatwall Enamel/Primer on Doors & Door Jambs; White	48.05	sq.m.																					-
4.1.18	Application of Two Coats Quick Drying Enamel on Doors & Door Jambs, Color to be Approved	48.05	sq.m.																					-
4.1.19	Others (Specify)																							
4.2	Humanities Faculty Center Expansion																							
4.2.1	Removal and Hauling of Existing Plywood Wall Partitions, Doors, Air-Con Ducting, Light Fixtures, Orbit Fans, Switches	1.00	lot																					-
4.2.2	Installation of 6mm Thk. Fiber-Cement Board on Light Metal Frames (spaced 0.40m vertical & 0.60m horizontal); including Fasteners, etc.	231.24	sq.m.																					-
4.2.3	Installation of 6mm Thk. Fiber-Cement Board on Light Metal Frames (spaced 0.40m vertical & 0.60m horizontal); including Fasteners, etc. for the Faculty Cubicles	85.53	sq.m.																					-
4.2.4	Installation of Acoustic Ceiling Boards on T-Runners; Including Fasteners, etc.	333.44	sq.m.																					-
4.2.5	Installation of Aluminum Framed Double Leaf Swing Doors; Complete with Hardware & Accessories	2.00	sets																					-
4.2.6	Installation of Hollow Core Flush Doors and Door Jambs; complete w/ Stainless Steel Cylindrical Lockset, 4" x 4" Stainless Steel Loose Pin Hinges, 2"x5" kiln dried door jamb; Painted with Two Coats Quick Drying Enamel, Color to be Approved	5.00	sets																					-

4.2.7	Installation of 8mm Thk. Clear Tempered Glass Panels on Aluminum Frame w/ Clip-On lock; 1.875x1.1m at Window Sill Level; Complete with 1.875mx0.30m Frosted Sticker on the Inner Side	1.00	set																			-
4.2.8	Installation of Ceiling Recessed 600x600 LED Tube w/ Diffuser	66.00	sets																			-
4.2.9	Installation of Two-Gang Convenience Outlets; 3-Prong 10A, 240V	45.00	sets																			-
4.2.10	Installation of One-Gang Switch, 10A, 240V	1.00	sets																			-
4.2.11	Installation of Two-Gang Switch, 10A, 240V	11.00	sets																			-
4.2.12	Electrical Wiring Works (12AWG, 14 AWG, PVC Conduits, Hangers and supports)	1.00	lot																			-
4.2.13	Surface Preparation and Application of One Coat Acrylic Primer on New Drywall Partitions; White	633.54	sq.m.																			-
4.2.14	Application of Two Coats, Semi-Gloss Water-Based Acrylic Paint on Drywall Partitions, Existing Wall Partitions, Color to be Approved	633.54	sq.m.																			-
4.2.15	Surface Preparation and Application of One Coat Flatwall Enamel/Primer on Doors & Door Jambs; White	20.79	sq.m.																			-
4.2.16	Application of Two Coats Quick Drying Enamel on Doors & Door Jambs, Color to be Approved	20.79	sq.m.																			-
4.2.17	Others (Specify)																					-
4.3	Surface Preparation of all Steel Casement Windows & Grilles, and Application of One Coat Epoxy Primer, Grey at the SHB	31.68	sq.m.																			-
4.4	Application of Two Coats, Epoxy Enamel Paint on All Steel Casement Windows and Grilles at the SHB	31.68	sq.m.																			-
	sub-total																					-
5 Rehabilitation of the SHB Ground Floor																						
5.1	Removal of the Existing Roll-Up Gates & Surface Restoration of the Affected Area	1.00	lot																			-
5.2	Installation of Hollow Core Flush Doors and Door Jambs w/ Fixed Viewing Glass Panels for Classroom with Stainless Steel Cylindrical Lockset, 4" x 4" Stainless Steel Loose Pin Hinges, 2"x5" kiln dried door jamb; Painted with Two Coats Quick Drying Enamel, Color to be Approved	20.00	sets																			-
5.3	Installation of Hollow Core Flush Doors and Door Jambs; with Stainless Steel Cylindrical Lockset, 4" x 4" Stainless Steel Loose Pin Hinges, 2"x5" kiln dried door jamb; Painted with Two Coats Quick Drying Enamel, Color to be Approved	14.00	sets																			-
5.4	Installation of Hollow Core Flush Doors w/ Louvers for Toilets & Electrical Rooms, with Stainless Steel Cylindrical Lockset, 4" x 4" Stainless Steel Loose Pin Hinges, 2" x 5" kiln dried door jamb; Painted with Two Coats Quick Drying Enamel, Color to be Approved	9.00	sets																			-

5.5	Re-routing of the SHB Quadrangle Downspout Pipe; Restoration Works at the Affected Concrete Gutter; Declogging of the Existing Quadrangle Drain Pipe & Installation of Brass Strainer	1.00	lot																	-	
5.6	Surface Preparation and Spot Application of One Coat Acrylic Primer Interior Wall Partitions and Hallway; White	2,752.00	sq.m.																		-
5.7	Application of Two Coats, Semi-Gloss Water-Based Acrylic Paint on Interior Wall Partitions & Hallway Walls, Color to be Approved	2,752.00	sq.m.																		-
5.8	Surface Preparation and Spot Application of One Coat Acrylic Primer on Exposed Slab Ceiling; White	3,116.80	sq.m.																		-
5.9	Surface Preparation and Application of One Coat Flatwall Enamel/Primer on Doors & Door Jambs; White	218.53	sq.m.																		-
5.10	Application of Two Coats Quick Drying Enamel on Doors & Door Jambs, Color to be Approved	218.53	sq.m.																		-
5.11	Surface Preparation of all Steel Casement Windows & Grilles, and Application of One Coat Epoxy Primer, Grey at the SHB	28.95	sq.m.																		-
5.12	Application of Two Coats, Epoxy Enamel Paint on All Steel Casement Windows and Grilles at the SHB	28.95	sq.m.																		-
5.13	Repair Works at the Biology Faculty Room (SHB 112)																				
5.13.1	Dismantling of the Existing Kitchen Cabinet with Sink (2 units)	1.00	lot																		-
5.13.2	Restoration Works for the Vacated Cabinet Location, Including Removal of Pipes	1.00	lot																		-
5.13.3	Installation of New Electrical and Plumbing (Clean Water and Drainage) Lines at New Kitchen Cabinet Location, As per Plan	1.00	lot																		-
5.13.4	Transfer of 1 Unit Hanging Cabinet to New Location, As per Plan	1.00	lot																		-
5.13.5	Relocation of Power Supply (Electrical Outlets) and LAN Cabling, As per Plan	1.00	lot																		-
5.13.6	Supply and Installation of Custom-Built Modular Kitchen Cabinet with Sink and Bar Table, As per Plan, Drawing Details and Specifications	1.00	lot																		-
5.13.7	Supply of Furniture Set for The Installation of Student-Faculty Lounge Area, As per Plan, Drawing Details and Specifications	1.00	lot																		-
5.14	Repair Works at SHB Room 109 (Specimen/Storage Room)																				
5.14.1	Removal of Existing Cabinet and Rectification of the Affected Floor Area	1.00	lot																		-
5.14.2	Installation of 6mm Thk. Fiber-Cement Board on Light Metal Frames (spaced 0.40m vertical & 0.60m horizontal); with 3/4" x 6" Baseboard at the Hallways; including Fasteners, etc.	34.00	sq.m.																		-
5.14.3	Surface Preparation and Application of One Coat Acrylic Primer on Interior Walls; White	117.00	sq.m.																		-

5.14.4	Application of Two Coats Semi-Gloss Lates Paint in Interior Walls	117.00	sq.m.																	-		
5.14.5	Complete Supply and installation of Electrical Roughing-ins and Fixtures	1.00	lot																		-	
5.14.6	Complete Supply and Installation of Plumbing Roughing-ins; Water Supply and Drainage; Including Restoration Works	1.00	lot																		-	
5.14.7	Installation of 1.0 x 2.1m Hollow Core Flush Door; Complete with Stainless Cylindrical Lockset, Door Jamb, 4-4" Square Loose Pin Hinges; 12"x24"x1/4"Thk Fixed Glass Vision Panel	1.00	set																		-	
5.14.8	Installation of Ceiling-Mounted Orbit Fans	2.00	sets																		-	
5.14.9	Installation of 18W T8 LED Tube on Box Type Fixture	3.00	sets																		-	
5.15	Others (Specify)																				-	
	sub-total																					-
6	Rehabilitation Works at the Multi-Purpose Gymnasium																					
6.1	Repainting of the Exterior Wall of the Multi-Purpose Gymnasium, Rehabilitation of the False Column at the Front Area																					
6.1.1	Removal and Replacement of the Damaged False Column Cover; 12mm Thk. Fiber Cement Board	168.00	sq.m.																			-
6.1.2	Surface Preparation (Removal of Loose Paint, Spot Application of Primer, etc.)	2,582.00	sq.m.																			-
6.1.3	Application of Two Coats Semi-Gloss Elastomeric Paint; Color To-Be-Approved	2,582.00	sq.m.																			-
6.1.4	Others (Specify)																					-
6.2	Repainting of the Interior Wall of the Multi-Purpose Gymnasium, Rehabilitation of the Ceiling Boards at the Hallway & Female Toilet																					
6.2.1	Removal and Replacement of the Damaged Ceiling Boards; 12mm Thk. Gypsum Board; 6mm Thk. Fiber Cement Board	31.68	sq.m.																			-
6.2.2	Removal and Replacement of the Wornout Plywood Wall Partrition Cover at the Stage Side Walls; 6mm Thk. Fiber Cement Board	63.36	sq.m.																			-
6.2.3	Surface Preparation (Removal of Loose Paint, Spot Application of Primer, etc.)	7,350.00	sq.m.																			-
6.2.4	Application of Two Coats Semi-Gloss Latex Paint; Color To-Be-Approved	7,350.00	sq.m.																			-
6.2.5	Application of Latex Paint on Ceiling Boards/Slab; Flat White	2,647.00	sq.m.																			-
6.2.6	Others (Specify)																					-
6.3	Application of Polyurtehane Waterproofing Membrane at the Parapet Walls and Concrete Decks & Gutters																					
6.3.1	Surface Preparation (Removal of Loose Cementitious Membrane & Bituminous Membrane	1,421.57	sq.m.																			-
6.3.2	Plastering Works of the Interior of the Parapet Walls	1,135.37	sq.m.																			-

6.3.3	Application of Three Coats Polyurethane Waterproofing Membrane at the Side Parapet Walls, Concrete Decks & Concrete Gutters	2,186.54	sq.m.											-
6.3.4	Installation of 0.60mm Thk. Pre-painted G.I. Rib Type Roof Sheets & Flashing Guards on Hat Purlins Spaced @ 0.60m O.C. at the Front and Back Parapet Walls	274.80	sq.m.											-
6.3.5	Others (Specify)													
6.4 Rehabilitation of the Sewer Pipelines														
6.4.1	Removal of the Existing Sewer Pipe Lines & Fittings	1.00	lot											-
6.4.2	Installation of 150mm Diam. Main Sewer Line from the Toilet Going to the Existing Septic Tank	90.00	l.m.											-
6.4.3	Installation of 110mm Diam. Distributor Lines to be Connected to the Main Sewer Pipe	75.00	l.m.											-
6.4.4	Installation of 75mm Diam. Distributor Lines to be Connected to the Main Sewer Pipe	30.00	l.m.											-
6.4.5	Installation of 50mm Diam. Distributor Lines to be Connected to the Main Sewer Pipe; Including Ventilation	50.00	l.m.											-
6.4.6	Installation of Sanitary Fittings to Connect the Existing Toilet Fixtures to the Main Sewer Pipe	1.00	lot											-
6.4.7	Installation of Pipe Vent System	1.00	lot											-
6.4.8	Rehabilitation of the Affected Wall & Floor Tiles; Floor Areas	1.00	lot											-
6.4.9	Others (Specify)													
6.5 Emergency Exit at the PEHM Faculty Office														
6.5.1	Chipping Works and Removal of Concrete Wall	1.00	lot											-
6.5.2	Construction of Emergency Access Door Side Walls and Canopy	1.00	lot											-
6.5.3	Installation of Fire-Rated Steel Emergency Exit Door and Door Jamb, Epoxy Painted Light Grey; Complete With Heavy Duty Powder Coated Panic Device	1.00	set											-
6.5.4	Others (Specify)													
6.6 Rehabilitation of the Dance Hall Floor														
6.6.1	Removal of Floor Boards/Planks	1.00	lot											-
6.6.2	Earthworks; Earth Fill Materials, Gravel Bed	264.22	sq.m.											-
6.6.3	Application of 150mm Thk. Reinforced Concrete Slab w/ 12mm Diam. RSB Spaced 0.60m O.C. Both Ways	264.22	sq.m.											-
6.6.4	Installation of 1" x 6" Floor Boards on 2" x 6" Floor Joists Spaced @ 0.60m O.C.	264.22	sq.m.											-
6.6.5	Surface Preparation and Application of Sanding Sealer on the Floor Boards	264.22	sq.m.											-
6.6.6	Application of 2 Coats Polyurethane Top Coat on the Floor Boards	264.22	sq.m.											-
6.6.7	Miscellaneous Consumables; Nails, Screws, Paint Brush, Sanding Papers, Rugs	1.00	lot											-
6.6.8	Others (Specify)													
sub-total														-
7	Rehabilitation Works at the Advance Science Technology Building													

7.1	Reconditioning of the Sliding Windows at the ASTB Classrooms/Lab Rooms (Cleaning of the Roller Track, Repair of the Aluminum Frames, Application of Silicon Sealant, Replacement of Defective Locks & Rollers); 3 Sets per Bay at 24 Bays	72.00	sets										-
7.2	Fabrication and Installation of Epoxy Painted Steel Window Grills at the 1st & 2nd Floor Classrooms/Lab Rooms (Pattern & Dimensions shall the Same as the New Window Grills at the ASTB 3rd Floor)	24.00	bays										-
<i>sub-total</i>													-
Total Estimated Project Cost												-	

Reference:

DPWH Department Order 197, Series of 2016 - "Revised Guidelines in the Preparation of Approved Budget for the Contract (ABC)"

B. Indirect Cost shall consist of the following:

B.1 Overhead Expenses - Ranges from 7 - 11% of the EDC which includes the following: B.1.1 Engineering and Administrative Supervision; B.1.2 Transportation allowances; B.1.3 Office expenses, e.g., for office equipment and supplies, power and water consumption, communication and maintenance. B.1.4 Premium on Contractor's All Risk Insurance (CARI). B.1.5 Financing Cost: (a) Premium on Bid Security; (b) Premium on Performance Security; (c) Premium on Surety for Advance Payment; (d) Premium on Warranty Bond (one year).

B.2 Contingencies - Ranges from 0.5 - 3% of the EDC. These include expenses for meetings, coordination with other stake holders, billboards (excluding project billboard which is a pay item under the General Requirements), stages, during ground breaking & inauguration ceremonies and other unforeseen events.

B.3 Miscellaneous Expenses - Ranges from 0.5 - 1% of the EDC. These include laboratory tests for quality control and plan preparation.

B.4 Contractor's Profit Margin - Shall be 8% of the EDC for projects above P5Million and 10% for projects P5Million and below.

B.5 Vat Component- Shall be 5% of the sum of the EDC, OCM and Profit.

B.6 The following items shall not be subjected to OCM and Profit markup: B.6.1 Mobilization and Demobilization; B.6.2 Provision of Service Vehicle; B.6.3 Permits and Clearances;

B.7 The following non-civil works items shall not be subjected to OCM markup: B.7.1 Field/Laboratory Office and Living Quarters (Rental Basis); B.7.2 Furnishing of Furniture, Laboratory Equipment, Survey Equipment and Consumables; B.7.3 Assistance to the Engineers; B.7.4 Photographs; B.7.5 Health and Safety B.7.6 Traffic Management; B.7.7 Environmental Compliance; B.7.8 Communication Equipment.

Note: For the percentage to be used for Nos. B.1 , B.2, B.3, See OCM (Overhead, Contingencies and Miscellaneous) Column in the Tabulation below.

Estimated Direct Cost	Indirect Cost % for OCM & Profit		Total Indirect Cost % for OCM and Profit
	OCM (% of EDC)	Profit (% of EDC)	
Up to P5Million	15	8	23
Above P5M up to P50M	12	8	20
Above P50M up to P150M	10	8	18
Above P150M	8	8	16