

PROJECT: Construction/Renovation of Comfort Rooms of Iskolar ng Bayan and Kolehiyo ng Agham Buildings  
LOCATION: UP-BAGUIO, GOVERNMENT CENTER ROAD, BAGUIO CITY  
SUBJECT: AGENCY & DETAILED ESTIMATE

Item	Location on Plan	QUANTITY	UNIT	MATERIAL UNIT COST	LABOR UNIT COST	TOTAL DIRECT COST	OVERHEAD, CONTINGENCY AND MISCELLANEOUS EXPENSES+PROFIT	VAT(5%)	TOTAL COST	TOTALS
<b>01 00 00</b>	<b>DIVISION 01 - GENERAL REQUIREMENTS</b>									
01 71 13	Mobilization and Demobilization	1.00	lot		N/A					
01 52 00	Construction Facilities Cost(Field Office, First Aid Facilities, Sanitary Facilities)	1.00	lot		N/A					
01 54 23	Temporary Scaffolding and Platforms	1.00	lot		N/A					
01 56 00	Temporary Barriers and Enclosures	1.00	lot		N/A					
01 00 00	Equipment and Tools	1.00	lot		N/A					
01 52 00	Safety Provision (See Project Manual for Details)	1.00	lot		N/A					
01 74 00	Cleaning and Waste Management Cost[ Progress Cleaning, Site Maintenance, Construction Waste Management and Disposal, Final Cleaning]	1.00	lot		N/A					
	<b>DIVISION 1 SUBTOTAL</b>									
<b>02 00 00</b>	<b>DIVISION 02- EXISTING CONDITIONS</b>									
<b>02 40 00</b>	<b>DEMOLITION AND STRUCTURE MOVING</b>									
	Existing Floor Tiles	100.09	m²							
	Existing Floor Tiles	37.72	m²							
	Existing CHB Partition Walls,Doors,Concrete Countertops and Slop Sinks	326.99	m²							
	Existing CHB Partition Walls,Doors,Concrete Countertops and Slop Sinks	118.42	m²							
	Existing Steel Awning Windows	4.20	m²							
	Concrete Coring with Magnetic Drill	7.00	hole							
	<b>DIVISION 2 SUBTOTAL</b>									
<b>03 00 00</b>	<b>DIVISION 03 - CONCRETE</b>									
<b>03 10 00</b>	<b>Concrete Forming</b>									
	<b>Reinforcement</b>									
	* Add #16 GI Tie Wire to reinforcement and wastage to unit costs									
	<b>Cast in Place Concrete</b>									
	*Allow for wastage and contingency cost to unit costs									
	<b>Concrete Stiffener</b>									
	Cast in Place Concrete (24.1mPa)[3500PSI]	2.30	m³							
	Cast in Place Concrete (24.1mPa)[3500PSI]	0.89	m³							
	12mm Reinforcing Steel Bar G60; fy 416 MPa [150mm OC bothways + 150mm bothways]	25.76	kg							
	12mm Reinforcing Steel Bar G60; fy 416 MPa [150mm OC bothways + 150mm bothways]	9.90	kg							
	Cast in Place Concrete 27.5MPa[4000PSI]	0.60	m³							
	<b>DIVISION 3 SUBTOTAL</b>									
<b>04 00 00</b>	<b>DIVISION 04 - MASONRY</b>									
	<b>WALL TYPE 02- 90mm Composite Sandwich Type Structural Panel</b> (40mm expanded polystyrene core on high tensile wires, incl.Accessories :Flat mesh, Angle mesh and U-mesh) include 25mm concrete render on both sides paper finish	112.02	m²							

	<b>WALL TYPE 02- 90mm Composite Sandwich Type Structural Panel</b> (40mm expanded polystyrene core on high tensile wires, incl.Accessories :Flat mesh, Angle mesh and U-mesh) include 25mm concrete render on both sides paper finish	KA	42.98	m²							
	<b>DIVISION 4 SUBTOTAL</b>										
<b>07 00 00</b>	<b>DIVISION 07 - THERMAL &amp; MOISTURE PROTECTION</b>										
	*INCLUDE WASTAGE INTO MATERIAL UNIT COSTS										
<b>07 10 00</b>	<b>Damproofing and Water Proofing</b>										
	*seams and laps included										
	<b>Torch-on Waterproofing Membrane</b>										
	Cementitious Waterproofing Slurry, One Component, 2 coats [ Bostik Powerseal or equivalent]	Toilet IB-1A	36.77	m²							
	Cementitious Waterproofing Slurry, One Component, 2 coats [ Bostik Powerseal or equivalent]	Toilet IB-1B	22.79	m²							
	4mm Thk, Torch-on, Sheet Waterproofing membrane based on APP modified, reinforced bitumen, with sand broadcast surface,include laps and seams[Sika Bituseal T-140SG or equivalent] on Bituminous Primer[Shell Flintkote Black Primer or equivalent]	Toilet IB-2A	36.05	m²							
	4mm Thk, Torch-on, Sheet Waterproofing membrane based on APP modified, reinforced bitumen, with sand broadcast surface,include laps and seams[Sika Bituseal T-140SG or equivalent] on Bituminous Primer[Shell Flintkote Black Primer or equivalent]	Toilet IB-2B	8.86	m²							
	Cementitious Waterproofing Slurry, One Component, 2 coats [ Bostik Powerseal or equivalent]	KA Toilets	37.93	m²							
<b>07 21 00</b>	<b>Thermal Insulation</b>										
	50mm Wall Thermal and Acoustic Glass Fiber Batt Insulation (SCG TMA50 Thermoacoustic Insulation or equivalent)	For Wall Type 01- IB	178.46	m²							
	50mm Wall Thermal and Acoustic Glass Fiber Batt Insulation (SCG TMA50 Thermoacoustic Insulation or equivalent)	For Wall Type 01- KA	93.96	m²							
<b>07 90 00</b>	<b>Joint Protection</b>										
	Polyurethane Sealant, Low VOC[Pioneer Pro Flex-o-Seal Sealant]	All caulking and jointing works	50.00	tubes							
	<b>DIVISION 7 SUBTOTAL</b>										
<b>08 00 00</b>	<b>DIVISION 08 - DOORS &amp; WINDOWS</b>										
<b>08 11 00</b>	<b>Metal Doors and Frames</b>										
	D-02- 0600mm x 1800mm 45mm Thk door, Galvanized Panel with honeycomb Insulation,with Galvanized 50mmx75mm Door Frame - Single Rabbet(LEC Steel Doors or equivalent); include : ; 300mm x 400mm Louver, Double Entrance Deadlock Stainless Steel[Direct Hardware of equivalent] include 2"x 4.5mm Steel angle bar door stiffener around door jamb connected to floor and ceiling as needed	All Janitor's Closet(Slop Sink) and Storage	6	set							
	D-03- 0800mm x 2100mm 45mm Thk door, Galvanized Panel with honeycomb Insulation,with Galvanized 50mmx100mm Door Frame - Single Rabbet(LEC Steel Doors or equivalent); include: 300mm x 400mm Louver, Satin Chrome Finish Door Stop and Door Closer [surface Mounted, 40 kg. max. door weight, satin chrome finish (Yale or equivalent)], Privacy Lockset [Heavy Duty, Satin Nickel Finish, Lever Type] include 2"x 4.5mm Steel angle bar door stiffener around door jamb connected to floor and ceiling as needed	IB-2A (VCA and OUR Admin Toilet)	2	set							
	D-04- 1000x2100mm 45mm Thk door, Galvanized Panel with honeycomb Insulation,with Galvanized 50mmx100mm Door Frame - Single Rabbet(LEC Steel Doors or equivalent); include: 300mm x 400mm Louver, Satin Chrome Finish Door Stop and Door Closer [surface Mounted, 40 kg. max. door weight, satin chrome finish (Yale or equivalent)], Privacy Lockset [Heavy Duty, Satin Nickel Finish, Lever Type] include 2"x 4.5mm Steel angle bar door stiffener around door jamb connected to floor and ceiling as needed	IB and KA PWD toilets	2	set							
<b>08 40 00</b>	<b>Entrances, Storefronts and Curtain Walls</b>										
	Wall Type 04-12mm Tempered Frosted Glass with 100mm Aluminum Powder Coated Mullions with high grade silicone sealant	IB Toilets	21	m²							
	Wall Type 04-12mm Tempered Frosted Glass with 100mm Aluminum Powder Coated Mullions with high grade silicone sealant	KA Toilets	7	m²							

	<b>DIVISION 8 SUBTOTAL</b>											
<b>09000</b>	<b>DIVISION 9- FINISHES</b>											
	*INCLUDE WASTAGE INTO MATERIAL UNIT COSTS											
<b>09 20 00</b>	<b>Plaster and Gypsum Board</b>											
	<b>9mm</b> Fiber Cement Board between boards [(SCG Smartboard,Hardiflex Pro or equivalent) screw and joint compounds: Polyurethane Sealant (Pioneer or equivalent)] include 12mm expansion bolt connectors at top & bottom	IB toilets-Wall Type 01	<b>358.00</b>	m <sup>2</sup>								
	<b>9mm</b> Fiber Cement Board between boards [(SCG Smartboard,Hardiflex Pro or equivalent) screw and joint compounds: Polyurethane Sealant (Pioneer or equivalent)] include 12mm expansion bolt connectors at top & bottom	IB toilets- Wall Type 03	<b>54.00</b>	m <sup>2</sup>								
	<b>9mm</b> Fiber Cement Board between boards [(SCG Smartboard,Hardiflex Pro or equivalent) screw and joint compounds: Polyurethane Sealant (Pioneer or equivalent)] include 12mm expansion bolt connectors at top & bottom	KA toilets-Wall Type 01	<b>165.16</b>	m <sup>2</sup>								
	<b>9mm</b> Fiber Cement Board between boards [(SCG Smartboard,Hardiflex Pro or equivalent) screw and joint compounds: Polyurethane Sealant (Pioneer or equivalent)] include 12mm expansion bolt connectors at top & bottom	KA Toilets- Wall Type 03	<b>54.80</b>	m <sup>2</sup>								
	<b>9mm</b> Fiber Cement Board between boards [(SCG Smartboard,Hardiflex Pro or equivalent) screw and joint compounds: Polyurethane Sealant (Pioneer or equivalent)] include 12mm expansion bolt connectors at top & bottom	IB toilets-Wall Type 06 (Janitor's Closet, Slop Sinks)	<b>17.42</b>	m <sup>2</sup>								
	<b>9mm</b> Fiber Cement Board between boards [(SCG Smartboard,Hardiflex Pro or equivalent) screw and joint compounds: Polyurethane Sealant (Pioneer or equivalent)] include 12mm expansion bolt connectors at top & bottom	KA Toilets- Wall Type 06 (Janitor's Closet, Slop Sinks)	<b>2.21</b>	m <sup>2</sup>								
	102mm Web 0.6mm Metal Stud Framing 600mm H x 400mm V OC include top and bottom attachments and rivet connections	Wall Type 01-IB	<b>179.00</b>	m <sup>2</sup>								
	102mm Web 0.6mm Metal Stud Framing 600mm H x 400mm V OC include top and bottom attachments and rivet connections	Wall Type 01-KA	<b>82.58</b>	m <sup>2</sup>								
	75mm Web 0.4mm Metal Stud Framing 600mm H x 400mm V OC include top and bottom attachments and rivet connections	Wall Type 03-IB	<b>54.00</b>	m <sup>2</sup>								
	75mm Web 0.4mm Metal Stud Framing 600mm H x 400mm V OC include top and bottom attachments and rivet connections	Wall Type 03-KA	<b>54.80</b>	m <sup>2</sup>								
	75mm Web 0.4mm Metal Stud Framing 600mm H x 400mm V OC include top and bottom attachments and rivet connections	Wall Type 06-IB	<b>8.71</b>	m <sup>2</sup>								
	75mm Web 0.4mm Metal Stud Framing 600mm H x 400mm V OC include top and bottom attachments and rivet connections	Wall Type 06-KA	<b>1.11</b>	m <sup>2</sup>								
<b>09 50 00</b>	<b>Ceilings</b>											
	<b>Ceiling Type 1- 12mm Moisture Resistant Gypsum Board</b>	IB	<b>146.09</b>	m <sup>2</sup>								
	<b>Ceiling Type 1 - Ceiling Suspension Metal Joist 0.5mm 41mm 600mm OC</b> bothways with hangers to concrete above (include .6mm carrying channel 1200 OC include, Corner Angles, hanger rods, expansion bolts)	IB	<b>146.09</b>	m <sup>2</sup>								
	Perforated Panel Manhole, 600mmx600mmx0.70mm, Bone White(JEA Steel or equivalent)	IB	<b>7.00</b>	pc								
	<b>Ceiling Type 1- 12mm Moisture Resistant Gypsum Board</b>	KA	<b>37.81</b>	m <sup>2</sup>								
	<b>Ceiling Type 1 - Ceiling Suspension Metal Joist 0.5mm 41mm 600mm OC</b> bothways with hangers to concrete above (include .6mm carrying channel 1200 OC include, Corner Angles, hanger rods, expansion bolts)	KA	<b>37.81</b>	m <sup>2</sup>								
	Perforated Panel Manhole, 600mmx600mmx0.70mm, Bone White(JEA Steel or equivalent)	KA	<b>2.00</b>	pc								
<b>09 60 00</b>	<b>Flooring</b>											
	*INCLUDE WASTAGE INTO MATERIAL UNIT COSTS											
	<b>FLOOR TYPE 01-</b> 600mmx600mmx10mm Non-Slip Homogenous Floor Tile Stain Resistant High Quality (Huanqui BXT2701E Iskar Coffee or equivalent) (include grout and Tile Adhesive + Silicone Expansion Joints)	IB Toilets	<b>101.00</b>	m <sup>2</sup>								
	<b>FLOOR TYPE 01-</b> 600mmx600mmx10mm Non-Slip Homogenous Floor Tile Stain Resistant High Quality (Huanqui BXT2701E Iskar Coffee or equivalent) (include grout and Tile Adhesive + Silicone Expansion Joints)	KA Toilets	<b>37.93</b>	m <sup>2</sup>								
<b>09 70 00</b>	<b>Wall Finishes</b>											
	<b>WALL TYPE 05-300mmx600mm Homogenous Stain Resistant Ceramic Wall Tile - High Quality - Class 1</b> (Cotto Gl Taupe Pol 30x30 or equivalent brand) (include grout and Tile Adhesive + Silicone Expansion Joints)	IB Toilets	<b>306.00</b>	m <sup>2</sup>								

	<b>WALL TYPE 05-300mmx600mm Homogenous Stain Resistant Ceramic Wall Tile</b> - High Quality - Class 1 (Cotto GI Taupe Pol 30x30 or equivalent brand) (include grout and Tile Adhesive + Silicone Expansion Joints)	KA Toilets	103.31	m²								
09 90 00	<b>Painting and Coating</b>											
	3mm High Performance High-Performance Acrylic Skimcoat [Boysen Konstrukt or equivalent]	All exposed concrete-IB	16.40	m²								
	3mm High Performance High-Performance Acrylic Skimcoat [Boysen Konstrukt or equivalent]	All exposed concrete-KA	8.16	m²								
	Semi-Gloss Acrylic Based Solvent Paint Finish (includes Preparation, 1 Coat Flat Primer, 2 Coats Finish Class AAA Finish)[Boysen Acrytex, Davies Liquidtile or equivalent]	All Exterior Walls-SRC Panels, Fibercement Board Walls, Concrete Columns	61.50	m²								
	Semi-Gloss Acrylic Based Solvent Paint Finish (includes Preparation, 1 Coat Flat Primer, 2 Coats Finish Class AAA Finish)[Boysen Acrytex, Davies Liquidtile or equivalent]	All Exterior Walls-SRC Panels, Fibercement Board Walls, Concrete Columns-KA	70.27	m²								
	Semi-Gloss Latex Paint Finish (includes Preparation, 1 Coat Flat Primer, 2 Coats Finish Class AAA Finish)	All Interior Walls-SRC Panels, Fibercement Board Walls, Concrete Columns-IB	71.70	m²								
	Semi-Gloss Latex Paint Finish (includes Preparation, 1 Coat Flat Primer, 2 Coats Finish Class AAA Finish)	All Interior Walls-SRC Panels, Fibercement Board Walls, Concrete Columns-KA	30.73	m²								
	Flat Latex Paint Finish (includes Preparation, 1 Coat Flat Primer, 2 Coats Finish Class AAA Finish) on prepared Plasterboard Walls - 09250.C3	All Interior and Exterior Ceilings-IB	142.02	m²								
	Flat Latex Paint Finish (includes Preparation, 1 Coat Flat Primer, 2 Coats Finish Class AAA Finish) on prepared Plasterboard Walls - 09250.C3	All Interior and Exterior Ceilings-KA	37.80	m²								
	<b>DIVISION 9 SUBTOTAL</b>											
10000	<b>DIVISION 10- SPECIALTIES</b>											
10 14 00	<b>Signage</b>											
	Restroom Signage,Panaflex Signage, Acrylic	IB	8.00	lot								
	Restroom Signage,Panaflex Signage, Acrylic	KA	2.00	lot								
10 22 00	<b>Partitions</b>											
	<i>* all partition accessories are STAINLESS STEEL, WALL BRACKETS, SELF CLOSING HINGES, INDICATOR LOCKSET, COAT HOOK,KNOB - HANDLE, TOP RAIL, L-BRACKET</i>											
	900x1500mm Toilet Stall 12mm THK Phenolic Black Core Compact Board or equivalent [Stainless Steel Accessories Included]	All toilets	19.00	set								
	Urinal Screen 0400 x 900 x 12mm Phenolic black-core compact board or equivalent Stainless Steel Accessories Included	IB and KA Men's Toilets	5.00	set								
10 28 00	<b>Toilet, Bath, and Laundry Accessories</b>											
	<b>TD</b> Stainless Steel Towel Dispenser	All toilets	12.00	pc								
	<b>TH</b> Stainless Steel Toilet Tissue Dispenser	All toilets	23.00	pc								
	<b>HD</b> Hand Dryer 300(W)x219(D)x670mm(H)Automatic Hand Dryer with Drain Pan, Wall Mounted, 110m/s Air Velocity,Infra-red motion sensor [KDK T90AC or equivalent]	All toilets	3.00	pc								
	<b>GB-1</b> Garbage Bin, Stainless Steel Waste Receptacle, 8L Capacity[JVD or equivalent]	All toilet stalls	23.00	pc								
	<b>GB-2</b> Garbage Bin, Double Layer, Rectangular,10L Capacity[JVD WBU 300 523 or any equivalent]	All public lavatory areas	8.00	pc								
	<b>SD</b> Stainless Steel Liquid Soap Dispenser [Kasch YS-5841 or equivalent]	All toilets	12.00	pc								
	<b>SD</b> Automatic Sensor Liquid Soap Dispenser, Brushed Nickel Finish [Simplehuman or equivalent]	PWD Toilet	2.00	pc								
	<b>GRB-1</b> 36" Length Stainless Steel Grab Bar[Kasch YS-601-500 or equivalent]	IB-1A Toilet and KA PWD Toilets	2.00	pc								
	<b>GRB-2</b> 42" Length Stainless Steel Grab Bar[Kasch YS-601-500 or equivalent]	Toilet IB-1A and KA Toilets	2.00	pc								
	6mm Glass Mirror Beveled, with Felt Paper on 12mm thk Weatherproof Marine Plywood (800x1000mm); include Sealants and jointing compounds	IB and KA PWD and private toilets	4.00	pc								
	6mm Glass Mirror Beveled, with Felt Paper on 12mm thk Weatherproof Marine Plywood (1700mm x 1000mm); include Sealants and jointing compounds	IB toilets and KA Men's toilet	6.00	pc								
	6mm Glass Mirror Beveled, with Felt Paper on 12mm thk Weatherproof Marine Plywood(2300mm x 1000mm); include Sealants and jointing compounds	KA Ladies' Toilet	1.00	pc								
	6mm Glass Mirror Beveled, with Felt Paper on 12mm thk Weatherproof Marine Plywood (3400mm x 1000mm); include Sealants and jointing compounds	IB-1B Ladies' Toilet	1.00	pc								

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