



SUMMARY OF MATERIALS (TECHNICAL SPECIFICATIONS)

Project : REPAIR, REHABILITATION & RESTORATION
OF ESCODA HALL
Location : Baguio Teacher's Camp, Baguio City

WORK ITEM/MATERIAL	TECHNICAL SPECIFICATION
1. EARTHWORKS	
1.1 Soil Poisoning	Solvent Based, Low odor, environment friendly
2. CONCRETING WORKS	
2.1 Cement	Portland, PNS 7:2005
3. REBAR WORKS	
3.1 Rebars	Steel Bars, PNS 49:2000, Grade 33
3.2 Tie Wires	G.I., gauge16
4. FORMWORKS	
4.1 Form Plywood	½" thk., PNS 196:2000
4.2 Form Lumber	Coco Lumber
5. MASONRY WORKS	
5.1 Concrete Hollow Block	6"X8"X16" Load Bearing CHB, 800psi, confirming with ASTM C-90- 70
5.2 Natural Stones	"Kennon Stone" or any approved equal
6. DOORS & WINDOWS	
6.1 Doors	
6.1.1 Panel Doors	Hardwood, Kiln Dried (verify approved design)
6.1.2 Flush Doors	Marine Plywood & Ordinary Plywood (verify approved design)
6.2 Windows & Screens	
6.2.1 Casement & Awning Windows	uPVC (White) Casement/Awning Window with Clear Glass on uPVC Jamb complete with Accessories
6.2.2 Clear Glass	⅝" thk or ¼" thk Clear Glass
6.2.3 Jalousie Glass	¼" thk Smoked Glass
6.2.4 Insect Screen	Insect Fiber Screen on Aluminum Powdercoated complete with Accessories
6.3 Hardwares & Accessories	
6.3.1 Entrance Handleset with Deadbolt & Dummy Handle	Lever Type, Antique Brass or Antique Copper Finish, Heavy Duty
6.3.2 Entrance Lockset	Lever Type, Antique Brass or Antique Copper Finish,



6.3.3 Privacy Lockset	Heavy Duty Lever, Type Antique Brass or Antique Copper Finish Heavy Duty
6.3.4 Door Hinges	Loose Pin, Heavy Duty, 3" x 3", Stainless Steel Finish
6.3.5 Foot Bolt	8", Heavy Duty, Stainless Steel Finish
6.3.6 Chain Bolt	8", Heavy Duty, Stainless Steel Finish
6.3.7 Barrel Bolt	4", Heavy Duty, Stainless Steel Finish
7. STEEL WORKS	
7.1 Structural Steel	
7.1.1 Angle Bars, Flat Bars, Tubular Bars, Round Bars & Channel Bars	PNS 26:199, Standard sizes (as per specified)
7.1.2 G.I. Pipes	Schedule 40
7.1.3 Steel Plate	6mm thk.
7.2 Others	
7.2.1 Wood Screws	Flat Head, Black, (submit sample for approval)
7.2.2 Welding Rod	AWS A5.1 E6013
7.2.3 Anchor Bolts	10mmØ and 12mmØ with Nuts & Washer
8. ROOFING WORKS	
8.1 Roofing Sheets	Corrugated type Pre-painted Longspan Sheets, Gauge 25, Forrest Green
8.2 Roofing Bended Accessories (Ridge Roll, Flashngs, Gutters)	Pre-painted Bended Accessories Gauge 24, Forrest Green
8.3 Others	Aluminum type, submit sample for approval Steel, For wood & metal, hex head Clear, Construction Grade, neutral cure, 100% silicone
8.3.1 Rivets	
8.3.2 Tek screw	
8.3.2 Roof Sealant	
9. CARPENTRY WORKS	
9.1 Fiber Cement & PVC Panels	
9.1.1 Ficem Boards	4.5mm & 6mm thk. Fiber Cement Board 12"x12'x ½" Fiber Cement Board .25 x 3.028 m Wood Grained PVC Ceiling Panels Light Gauge, Galvanized Steel
9.1.1 Fascia Boards	
9.1.1 PVC Panels	
9.1.1 Metal Furrings, Metal Studs & T-runners	
9.2 Plywood & Wood Items	
9.2.1 T & G Wood Planks	Kiln Dried, Hardwood (submit sample for approval) Kiln Dried, Hardwood (submit sample for approval) Kiln Dried, Hardwood (submit sample for approval)
9.2.2 Rough Wood	
9.2.3 S4S Wood	
9.2.4 Plywood	
9.2.4.a Marine Plywood	
9.2.4.b Ordinary Plywood	



<p>9.2.4 Wood Preservation</p> <p>9.3 Others</p> <p>9.3.1 Drawer Guides</p> <p>9.3.2 Felt Guide</p> <p>9.3.3 Felt Roller</p> <p>9.3.4 Chrome Flange</p> <p>9.3.5 Chrome Bar</p> <p>9.3.6 Cabinet Handle</p> <p>9.3.7 Toilet Partitions</p>	<p>Brown color, solvent based, for fungicidal and insecticidal</p> <p>16" Metal Drawer Guide, Heavy Duty, Full Extension Ball Bearing Type)</p> <p>Metal Felt Guide, 6m long with screws</p> <p>Plastic Roller with Metal Casing (including screws)</p> <p>¾"Ø with screws</p> <p>¾"Ø x 6m long</p> <p>3" to 4" Flush Type Handle</p> <p>¾" thk. Laminated Phenolic Toilet Door & Partition, including Accessories (Lock and Brackets), verify approved Color.</p> <p>Anodized Aluminum Stucco Sheet on Anodized Aluminum Frame including Accessories (Brackets)</p>
10. ELECTRICAL WORKS	
10.1 Wires, Pipes & Boxes	
<p>10.1.1 Electrical Wires</p> <p>10.1.2 PVC Pipes & Fittings</p> <p>10.1.3 RSC Pipes & Fittings</p> <p>10.1.4 Junction Box</p> <p>10.1.5 Utility Box</p>	<p>THW and/or THNN, Stranded</p> <p>PNS 14:1983, Series 600, PVC Orange Pipes</p> <p>Standard trade sizes, hot dipped galvanized with inside enamel or epoxy coating</p> <p>4 x 4 PVC</p> <p>4 x 2 PVC</p>
10.2 Fixtures & Accessories	
<p>10.2.1 Lighting Switches (Plate & Element)</p> <p>10.2.2 Convenience Outlets (Plate & Element)</p> <p>10.2.3 Downlight & Pinlight</p> <p>10.2.3.a Tubular Type Downlight</p> <p>10.2.3.b Circular LED Downlight</p> <p>10.2.4 Chandeliers</p> <p>10.2.5 Post Lamp</p>	<p>"Wide Series" Plain White, 1-Gang, 2-Gang, 3-way switches</p> <p>"Wide Series" Plain White, Duplex, Universal Type</p> <p>4"Ø & 8"Ø, White Color with 8w LED Bulb (Daylight)</p> <p>4"Ø & 6"Ø White Color with 6.5w LED Bulb (Daylight & Warm White)</p> <p>6"Ø, White Color with 15w LED Bulb (Daylight)</p> <p>5 Bracket, with 5w LED Bulbs, Warm White (submit sample for approval)</p> <p>3 Bracket, with 5w LED Bulbs, Warm White (submit sample for approval)</p> <p>with 12w Bulb, see approved sample</p>



10.2.6	Flourescent Lights	Industrial Type Housing, single and double socket, with 18w T8 LED
10.2.7	Panel Box	Bolt-on or Plug-on, Flushed Type
10.2.8	Breakers	Bolt-on or Plug-on
10.2.8.a	Individual Circuit Breakers	Bolt-on or Plug-on
10.2.8.b	Main Circuit Breakers	Bolt-on or Plug-on
10.2.9	Duct Fan	12", Heavy Duty Type, White, Ceiling Mounted
10.2.10	Manual Transfer Switch	Breaker Type, with Metal Recessed Casing
11. PLUMBING WORKS		
11.1 Pipes & Fittings		
11.1.1	Pipes	PN20 PPR Pipes
11.1.2	Fittings	PN20 PPR
11.2 Fixtures & Accessories		
11.2.1	Water Closet	Dual Flush Type (Water Saver), 1.6gpf, White, Complete with Accessories
11.2.2	Lavatory	Wall-Hung Type, White, Complete with Accessories (including Faucet, Valves & Flexible Hose)
11.2.3	Paper & Soap Holder	Stainless Steel Finish
11.2.4	Floor Drains	4" Stainless Steel Finish with Strainer
11.2.5	Bidet Faucet	Chrome Plated, with rotating Head, complete with accessories.
11.2.6	Shower Set	3-Way Valve (H/C) with Shower Head (Telephone Type) and Handle Bar
11.2.7	Gate Valves	1/2"Ø and/or 3/4"Ø, Brass Type
11.2.8	Three-way Angle Valves	1/2" x 1/2" x 1/2", Chrome Plated
11.2.9	Mirror	1/4" thk., Frameless
12. SANITARY WORKS		
12.1 Pipes & Fittings		
12.1.1	PVc Pipes	Series 1000, UPVc Orange Pipes
12.1.2	Fittings	Series 1000, UPVc Orange Pipes
13. PAINTING WORKS		
13.1 Paints & Varnish		
13.1.1	Acrylic Solvent Based Paint (Light & Dark)	"Liquid Tile" or "Acrytex" or approved equal (verify approved Color Scheme) --- Tulle White & Baguio Green
13.1.2	Acrylic Solvent Based Primer	"Liquid Tile" or "Acrytex" or approved equal
13.1.3	Acrylic Solvent Based Reducer	"Liquid Tile" or "Acrytex" or approved equal
13.1.4	Acrylic Solvent Based Cast	"Liquid Tile" or "Acrytex" or approved equal
13.1.5	Acrylic Solvent Based Putty Filler	"Liquid Tile" or "Acrytex" or approved equal
13.1.6	Acrylic Solvent Based Penetrating Sealer	"Liquid Tile" or "Acrytex" or approved equal



<p>13.1.7 Latex Paint</p> <p>13.1.8 Acri-Color</p> <p>13.1.9 Masonry Putty</p> <p>13.1.10 Quick Dry Enamel Paint</p> <p>13.1.11 Primer Paint</p> <p>13.1.12 Glazing Putty</p> <p>13.2 Thinners & Fillers</p> <p>13.2.1 Thinners</p> <p>13.2.2 Body Filler</p> <p>13.2.3 Paint Stripper</p> <p>13.2.4 Neutralizer</p>	<p>Flat (White) & Semi-Gloss Type (verify approved Color Scheme)</p> <p>Colors will be based on the approved Color Scheme Water based, for Latex Paints</p> <p>Colors will be based on the approved Color Scheme Zinc Phosphate or Zinc Chromate</p> <p>Alkyd type, for Enamel Paints</p> <p>Paint & Lacquer Type</p> <p>Epoxy Type, with Hardener</p> <p>Non-corrosive, for all types of paint</p> <p>For concrete, liquid acidic substance</p>
14. TILE WORKS	
<p>14.1 Tiles</p> <p>14.1.1 Floor Tiles</p> <p>14.1.2 Wall Tiles</p> <p>14.1.3 Homogeneous Tiles</p> <p> 14.1.3.a Non-Skid/Unpolished</p> <p>14.2 Others</p> <p>14.2.1 Tile Grout</p> <p>14.2.2 Tile Adhesive</p>	<p>30cm x 30cm Vitrified Floor Tiles (verify color & design)</p> <p>20cm x 60cm Wood grained Tiles (verify color & design)</p> <p>30cm x 60cm Glazed Wall Tiles (verify color & design)</p> <p>60cm x 60cm (verify color & design)</p> <p>Color: Black, PNS ISO 13007 – 1:2014</p> <p>Color: Black, PNS ISO 13007 – 1:2014 Type C2</p>
16. ELECTRONICS & COMMUNICATION WORKS	
<p>16.1 Audio System</p> <p>16.1.1 Signal & Patching Cables</p> <p>16.1.2 Pro Audio Connectors</p> <p>16.1.3 Switchboard Power</p> <p>16.1.4 Power Cables</p> <p>16.1.5 Audio Mixer</p> <p>16.1.6 Audio Cables</p> <p>16.2 CCTV System</p> <p>16.2.1 Cable Wires</p> <p>16.2.2 BNC Connectors</p> <p>16.2.3 BNC & Cable</p> <p>16.2.4 Power Distributor</p> <p>16.2.5 Adapter</p> <p>16.3 Fire Alarm System</p>	<p>submit sample for approval</p> <p>submit sample for approval</p> <p>220-240V 15/30A</p> <p>submit sample for approval</p> <p>8channel, with USB port</p> <p>submit sample for approval</p> <p>submit sample for approval.</p> <p>submit sample for approval.</p> <p>submit sample for approval.</p> <p>submit sample for approval</p> <p>AC/DC 12V 2A</p>



16.3.1	Fire Alarm Control Panel	<p>Two-Zone. Surface Mounted, Metal Enclosure, LPCB certified 230V, 50/60 Hz</p> <p>8" diameter, 240V, Loud & clear ringing tone with with "Break Glass" cover, suitable for open or close circuit system</p> <p>LED Type Single Faced, with Overcharging Protection and 3 Hour back-up Battery, fuse protected, Wall Mounted</p> <p>2 Beam Light LED Type, with Overcharging Protection, fuse protected, Wall Mounted</p>
16.3.2	Fire Alarm Bell	
16.3.3	Manual Station Switch	
16.3.5	Fire Exit Sign	
16.3.6	Emergency Light	

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