



## BID BULLETIN NO. 1

TO : All bidders  
All concerned

FROM :   
**ATTY. SEBASTIAN G. TAYABAN**  
BAC Co-Chairperson

PROJECT : **REPAIR AND REHABILITATION OF NEAP BUILDING IN BAGUIO CITY**

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For the information of all concerned are the following:

PROJECT: **REPAIR & REHABILITATION OF NEAP BUILDING IN BAGUIO CITY**

- I. **BILL OF QUANTITIES** (Refer to Annex A)
- II. **DRAWINGS / PLANS / BLUE PRINTS** (Refer to Annex B)
- III. **SCHEDULE OF REQUIREMENTS: Contract Duration / Delivery Schedule**

The Contract duration of the projects shall be within **One Hundred Ninety Five (195) calendar days** from receipt of Notice to Proceed.

### IV. TERMS AND CONDITIONS

#### 1. TERMS OF PAYMENT

1.1 The Contractor/Supplier may submit a request for **first progress payment** may be paid by the Procuring Entity provided that **at least twenty percent (20%) of the work has been accomplished** as certified by the Inspectorate Team of DepEd.

1.2 Progress payment shall be adjusted by deducting the amount in the recoupment of the advance payment, and additional retention

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#### Contact Numbers (Area Code: 074):

Office of the Regional Director	422-1318
Fax	422-4074
Office of the ARD	422-9590
ICT Unit	422-1318
Public Affairs Unit	422-1318
Legal Unit	423-2214

Administrative Division	422-1804
Cash Section	423-2215
Payroll Section	424-3993
Records Section	423-2213
Supply Section	422-2198
General Services Unit	422-1804

CLMD	422-7096
LRMDS	422-0615
ESSD	423-2218
Finance Division	422-5155
FTAD	424-5187

HRDD	422-9590
NEAP-R	422-5500
PPRD	422-9590
QuAD	422-5187
COA	422-7434

money amounting to 15% and 10% of the progress billing respectively.

## **2. LIQUIDATED DAMAGES**

Failure to comply with the Terms and Conditions of the Contract will result in the payment of corresponding penalties/liquidated damages in the amount equal to 1/10 of 1% of the cost for every day of delay of the unperformed portion. Once the cumulative amount of liquidated damages reaches 10% of the amount of the Contract, DepEd shall rescind the Contract, without prejudice to other courses of action and remedies.

## **V. GENERAL CONDITIONS**

1. The work under this project shall consist of the materials, equipment, tools, labor and supervision and all other items necessary to properly complete the work in a safe, effective, and efficient manner to complete the construction of the project.
2. Materials deemed necessary to complete the works but not specifically mentioned in the Specifications, Working Drawing, or in the Contract Document shall be supplied and installed by the Contractor. Such materials shall be of the highest quality and kind, and installed or applied in a right manner at prescribed or appropriate locations following the Standard Practice of Architectural, Civil and Electrical Engineering, National Building Code of the Philippines and Construction Procedures;
3. The Contractor shall be held liable for damage/s during the construction period and shall be repaired and/or replaced at no additional cost to the DepEd.
4. It shall be the responsibility of the Prospective Bidders to inspect the site before submission of bids. No plea of ignorance by the Bidder of conditions that exist or that may hereafter exist as a result of failure to fulfill the requirements of this Contract will be accepted.
5. The Bidders / Contractors shall include in his bid all related expenses and obligations, including VAT, E-VAT, as well as the carrying out of the services and supply of all necessary requirements in handling over the work to DepEd, in accordance with relevant conditions, rules and regulations.
6. The Contractor shall closely coordinate with DepEd Project In-charge to ensure proper phasing or schedule of works.

7. The Contractor shall submit a daily / weekly / monthly activity report. The report shall contain the daily activities in the site, including weather condition, delivery, manpower and other matter pertaining to the condition of the project. This will also serve as data for Contractor and the DepEd Inspector.
8. Employees of the Contractor shall at all times be wearing uniforms that clearly identify them as an employee of the Contractor.
9. The Contractor shall conduct site monitoring for the effective implementation of the project. Any discrepancies on plans and actual site conditions shall be properly coordinated with DepEd for verification.
10. The Contractor shall pay their electric and water consumption bills. Sub meters shall be installed at the expense of the Contractor to determine their actual consumption. Billings of utilities consumption will be sent in writing by the DepEd to the Contractor. Payment of bills shall be made thru the Cashiers Office every month until the completion of the project.
11. The contractor shall process and secure all the necessary permits as required by the National Building Code for the preparation, execution and upon completion of the contract. The Contractor shall coordinate with other agencies and pay the corresponding fees incidental to the acquisition of the required permits.

## VI. KEY PERSONNEL

1. Site / Construction Supervisor (Architect, Engineer)	Full Time from initiation of site mobilization activities up to final acceptance of the works.	Must be competent and duly licensed to practice their respective professions, with at least three (3) years' experience in their fields of specialization.
2. Skilled Workers	Full Time	Master Plumbers, Tile Setters, Masons (Finishing), Master Electricians, Carpenters (Rough and Finishing), Building Painters (Finishing), Welder
3. Safety Officer	Full Time	The contractor shall put up and continuously maintain adequate safety measures that shall prevent undue loss, damages and

		injury on workers or loss of properties.
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## VII. QUALITY CONTROL

1. The plans and specifications shall form part as one. Anything mentioned on plans and not mentioned on the scope of work and specifications and vice versa shall be properly consulted to DepEd Project-In-Charge for clarification.
2. Any work or materials not in accordance with the drawings or specifications shall be rejected.
3. In the case of any conflict between the technical requirement and specifications of this contract and the reference documents, or among the reference documents, the order of precedence is: 1) Scope of Work 2) Basic Engineering Drawings 3) Technical Specifications 4) National Standards for Building Construction 5) International Codes and Standards. The Contractor shall notify any discrepancy found in the documentation to DepEd in writing for clarification. DepEd will respond to such request in writing.
4. No alteration or additional work shall be implemented without prior approval by DepEd. The Contractor shall secure written authority from DepEd for any change or variation of works.
5. DepEd may at all time issue revisions to the Contract Documents, Specifications and Drawings.
6. The Contractor shall at all times be fully equipped with necessary standard sampling facilities on all materials needed for the project.
7. Prior to installation of any item / construction materials, the Contractor is required to submit product sample / catalogue / brochures and result of testing of materials with complete specifications to DepEd for evaluation and approval.
8. The Contractor shall request to DepEd Project In-Charge for any inspection.
9. Punch Listing. The Contractor shall request a joint punch listing works prior to 95% completion to DepEd Project In-Charge. Rectification works shall be done within 15 calendar days.

## **VIII. SAFETY MEASURES AND WORK PROTECTION**

1. Wearing of Personal Protective Equipment or safety gadgets (i.e belt, goggles, hard hat, working uniform and safety shoes) for all workers shall be observed at all time including provision of first aid kit, as well as the provision of necessary safety signages on site.
2. The Contractor shall provide a warning sign, including barricades, temporary facilities, temporary fences, warning lights and similar safeguards as they are required for protection of his manpower and others during the construction life of this project.
3. Good housekeeping shall be observed at all times at the construction premises. The Contractor shall clear the area from all obstruction or as affected by the construction works, except those structures indicated on the drawings or designated by Architect/Engineer to be left standing.
4. The Contractor shall protect existing buildings and other structures such as ceilings, rooms and hallways, which are indicated to remain, from damage and repair damage caused by this work at no additional cost to the DepEd.
5. Existing utility lines indicated or locations of which are made known to the Contractor prior to execution of works, and that which are indicated to be retained, as well as utility lines constructed during operations, shall be protected from damage during execution of the work, and if damaged, shall be repaired at no extra cost. Site survey shall be conducted by the Contractor to acquaint with existing utility lines. Proper measures shall be taken and immediate information forwarded to the Architect / Engineer when utility lines are encountered within the area of operation.
6. The Contractor shall protect existing buildings and other structures, which are indicated to remain, from damage and repair damage caused by this work at no additional cost to the DepEd.
7. Where utility lines are encountered within the area of operations, the Contractor shall notify the DepED in ample time for the necessary measures to be taken if there is an interruption of the service.

## **IX. PROJECT MEETINGS**

1. Pre-construction Conference / Coordination Meeting - Immediately after the Notice to Proceed, a Preconstruction Conference / Meeting / Kick off meeting shall be held between DepEd and Contractor.

2. Pre-construction Safety Conference / meeting – A preconstruction Safety Conference / meeting shall be held to review and discuss the contractor's safety program to achieve a mutual understanding of the contractor's Accident Prevention Plan APP.
3. Progress Meeting – The Contractor and DepEd Project In-Charge shall meet as need arises.

## **X. SUBMITTALS**

1. The Contractor shall submit the Construction Schedule to DepEd Project Project-In-Charge before covering up any work so that proper inspection may be made.
2. The Contractor shall prepare a Network Analysis Schedules / Bar Chart Construction Schedule to indicate all activities necessary to complete the project.
3. Monthly accomplishment report in narrative form shall be submitted to DepEd complete with pictures of on-going project
4. Shop Drawings, Product Data and Samples
  - 4.1 The Contractor shall review, stamp with his approval and submit shop drawings and submittals for approval of the DepEd Project In-Charge for conformance of the design concept and information given in the Contract Documents. The work shall be in accordance with the Drawings and Specifications.
  - 4.2 Where specified or required, the Contractor shall submit samples to the DepEd Project In-Charge together with specification material, affidavits and other documentation as may be required by the DepEd. It is the Contractor's specific responsibility to ascertain that the samples submitted have been checked and approved by him. The cost of the samples together with the transportation, delivery and any other costs shall be borne by the Contractor.
  - 4.3 The contractor shall submit three (3) copies of the approved plans and permits to construct respective Lot(s) of the above projects at DepEd Central Office.
  - 4.5 The Contractor shall submit three (3) copies of certified final as-built drawings, 20" x 30", and all documents related to the project to the DepEd.
  - 4.6 Where samples are specifically required to be submitted for approval, no work involving the samples / materials shall proceed until written approval has been obtained from the DepEd.

- 4.7 Monthly accomplishment report shall be submitted to DepEd
- a. Narrative Report
  - b. Progress photographs;
  - c. Materials Test Result
  - d. Construction Schedule
  - e. Highlights of Events and Activities

### **XIII. DEMOBILIZATION AND CLEAN-UP**

1. The Contractor shall be responsible for the general cleaning and demobilization of all tools, surplus materials and equipment used in the execution of the work.
2. The Contractor shall turn-over and transfer any salvaged construction materials to a designated location as directed by DepEd.
3. Disposal of Cleared and Grubbed Materials – Logs, stumps, roots, bush, rotten wood, and other refuse resulting from the clearing and grubbing, operations shall be disposed of by removing from the site at the Contractor's expense.

### **XIV. EVALUATION AND AWARD**

Evaluation and award shall be on a per Lot basis.

### **XV. GUARANTEE**

The Contractor shall guarantee all works under this Contract to be free from any technical defects and shall replace and repair to the satisfaction of the DepEd which may fall within a period of **One (1) year** after the final acceptance of the project provided such failure is due to defects in the material or workmanship.

## **SCOPE OF WORKS**

Project : **REPAIR & REHABILITATION OF NEAP BUILDING IN BAGUIO CITY**  
Location : **NEAP Compound, Baguio Teacher's Camp, Baguio City**

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The following are the Scope of Works for the Repair & Rehabilitation of NEAP Building:

### **1. EARTHWORKS**

- 1.1 Application of Soil Poisoning along the perimeter.
- 1.2 Clearing of Area for the new Genset Area.
- 1.3 Clearing/Excavation of Area for the Heat Pump Area.
- 1.4 Excavation works for the New Ramp for Server & Right side area
- 1.5 Clearing/Excavation of Area for the new Parking Area.
- 1.6 Clearing/Excavation of Area for the Storage Building Entry.

- 1.7 Clearing/Excavation for the Pedestal of Lamp Posts.

## 2. CONCRETING WORKS

- 2.1 Concreting works for the Storage Building Entry.
- 2.2 Concreting works for the new Parking Area.
- 2.3 Concreting works for the New Ramp for Server & Right side area.
- 2.4 New Base Slab for the Genset
- 2.5 New Base Slab for the Heat Pump, Tank & Motor.
- 2.6 Concreting works for the Lamp Posts Pedestals

## 3. REBAR WORKS

- 3.1 Concreting works for the Storage Building Entry.
- 3.2 Concreting works for the new Parking Area.
- 3.3 Concreting works for the New Ramp for Server & Right side area..
- 3.4 New Base Slab for the Genset
- 3.5 New Base Slab for the Heat Pump, Tank & Motor.
- 3.6 Concreting works for the Lamp Posts Pedestals

## 4. FORMWORKS

- 4.1 Concreting works for the Lamp Posts Pedestals

## 5. MASONRY WORKS

- 5.1 Chipping works for the Additional/New and Relocated electrical wirings and plumbing/sanitary lines.
- 5.2 Chipping works for the Additional/New and Relocated CCTV, Audio, Internet & Intercom Wirings.
- 5.3 Demolition of existing Concrete railing of the Main Stairs.
- 5.4 Demolition of existing Slab on Fill (for Ramps).
- 5.5 Demolition of existing Masonry Wall Partitions.
- 5.6 Demolition of Masonry Walls for New Door Openings and Doors to be removed.
- 5.7 Additional Wall for the Stainless Steel Gutter (along the 2F Roof Deck).
- 5.8 New Masonry Walls for the Server Area
- 5.9 Repair of Plastering of cracked/chipped walls.
- 5.10 Repair of Plastering of cracked/chipped floor topping.

## 6. DOORS & WINDOWS

- 6.1 Removal of existing Aluminum Doors.
- 6.2 Removal of existing Double doors.
- 6.3 Removal of existing "Varifold" Doors,
- 6.4 Removal of existing Wooden Doors & Jamb.
- 6.5 Removal of existing Metal Doors & Jamb.
- 6.6 Installation of New Frameless Glass Doors

## 7. STEEL WORKS

- 7.1 Fabrication of Steel Trusses & Post for Genset Housing.
- 7.2 Fabrication of Steel Trusses & Post for Heat Pump Housing.
- 7.3 Fabrication of Steel Ladder for the maintenance of the Roof.
- 7.4 Dismantling of Media Agua Roof Trusses.
- 7.5 Dismantling of Coffee Shop Canopy Roof Trusses.



## **8. ROOFING WORKS**

- 8.1 Remove Existing Roofing Sheets & Bended Accessories of the Main Roof of Building A, B & C.
- 8.2 Installation of New Roofing Sheets & Bended Accessories (Longspan & Pre-painted) on the Main Roof of Building A, B & C (to include the concrete end roof)
- 8.3 New Roofing for the Storage Building
- 8.4 New Roofing for the Heat Pump Housing
- 8.5 New Roofing for the Genset Housing

## **9. CARPENTRY WORKS**

- 9.1 Removal/Dismantling of all existing Interior Ceiling.
- 9.2 Removal/Dismantling of all existing Exterior Ceiling (including eaves).
- 9.3 Removal/Dismantling of Partition of existing Audio Room
- 9.4 Removal/Dismantling of Partition of existing 3F Media Room
- 9.5 Removal/Dismantling of Partition of existing Printing Office
- 9.6 New Ceiling for the Main Entrance Canopy & Eaves.
- 9.7 Replacement of damaged parts (Purlins, Members and/or Chords) of the existing Wooden Trusses of the Buildings A, B & C.
- 9.8 Installation of New/Additional Purlins for the extension of the Roof over the Concrete gutter and roof.
- 9.9 Replacement of damaged parts (Purlins, Members and/or Chords) of the existing Wooden Trusses of the Storage Building.
- 9.10 Installation of Ceiling at the Storage Building.
- 9.11 Installation of Raised Flooring for the Server Area and Training Halls..
- 9.12 Replacement of damaged T&G Flooring at the Dining Hall.
- 9.13 Replacement of damaged Wall Panels.
- 9.14 Installation of New Toilet Partitions (Phenolic Partitions)

## **10. ELECTRICAL WORKS**

- 10.1 Existing Lighting Fixtures will be removed.
- 10.2 Upgrading/Rehabilitation of Existing Wires/Circuits and Main Wires.
- 10.3 Installation of New Lighting & Electrical Fixtures for the Storage Building.
- 10.4 Removal of Existing Lamp Posts and Installation of Solar Type Lamp Posts for the Driveway/Perimeter.
- 10.5 Installation of New Heat Pump Water Heater System.

## **11. PLUMBING WORKS**

- 11.1 Removal of existing Toilet Fixtures & Accessories and Installation of New Toilet Fixtures & Accessories.
- 11.2 Upgrading, Repair & Installation of (New) Waterline for the existing Common and Individual Toilets. Affected Waterlines will be replaced with PPR Pipes & Fittings.
- 11.3 Repair existing Hot water line supply to accommodate new Heat Pump Water Heater System.

## **12. SANITARY WORKS**

- 12.1 Cleaning & de-clogging of the existing Sewer/Drainage Lines.
- 12.2 Installation of Metal Screen for the existing Sewer/Drainage Lines.

- 12.3 Upgrading, Repair & Installation of (New) Sewer & Sewage for the existing Common and Individual Toilets Affected Sewer & Sewage lines will be replaced with PVC Pipes & Fittings

**13. PAINTING WORKS**

- 13.1 Scraping and Cleaning of the Walls of existing Paints, Moulds and other dirt (Exterior/Interior).  
 13.2 Application of Acrylic Solvent Based type Paint Primer for the Exterior & Interior Walls of Buildings A, B & C.  
 13.3 Repainting of Storage Building.  
 13.4 Repainting/Re-priming of Metal/Steel Trusses.

**14. TILEWORKS**

- 14.1 Chipping/Removal of Existing Tiles (Walls & Floor) of all Common & Individual Toilets and Slop Sink Area/Room.  
 14.2 Chipping/Removal of Existing Tiles (Walls & Floor) of Coffee Shop Deck & 2F Roof Deck.  
 14.3 Demolition of Masonry Partition Walls of all Common & Individual Toilets.  
 14.4 Demolition of Concrete Lavatory Counter of all Common & Individual Toilets.  
 14.5 Installation of New Tiles (Walls & Floor) for all Common & Individual Toilets  
 14.6 Installation of New Floor Tiles for the Coffee Shop Deck & 2F Roof Deck.  
 14.7 Resanding & Repolishing of existing Marble Floor at GF, 2F & 3F.  
 14.8 Resanding & Resealing of existing T&G Floor & Wooden Stairs.  
 14.9 Removal of existing Paver Blocks and clearing of Base Slab of the Driveways and walkway.  
 14.10 Installation of Marble Tile replacement.

**15. WATERPROOFING**

- 15.1 Application of New Waterproofing for all Common & Individual Toilets located on the Upper Floors.  
 15.2 Application of New Waterproofing for Coffee Shop Deck & 2F Roof Deck.  
 15.3 Application of New Waterproofing for all Building A Plant Box.  
 15.4 Application of New Waterproofing for Concrete Eaves/Roof

**16. ELECTRONICS & COMMUNICATION WORKS**

- 16.1 Installation of Fire Alarm System & Devices within the Building.  
 16.2 Installation of CCTV Wirings/Cables.  
 16.3 Installation of Internet Wirings/Cables.  
 16.4 Installation of Intercom Wirings/Cables.  
 16.5 Installation of Audio Wirings/Cables.

**MINIMUM PERSONNEL & EQUIPMENT REQUIREMENT**

Project : REPAIR & REHABILITATION NEAP BUILDING IN B.C  
 Location : NEAP Compound, Baguio Teacher's Camp, Baguio City

**1. MINIMUM PERSONNEL REQUIREMENT**

Personnel	Min.	Job Description	Work Experience
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	No.		
Site/Construction Supervisor (Architect, Engineer)	1	Full time from initiation of site mobilization activities up to final acceptance of the works	Duly licensed to practice their respective professions, with at least three (3) years-experience in their fields of specialization
Skilled Workers (Painter, Mason, Carpenter, Steelman, Tinsmith, Tile Setter)	20	Full time	Tile Setters, Masons (Finishing), Carpenters (rough and Finishing), Building Painters (Finishing),
Safety Officer	1	Full time	The contractor shall put up and continuously maintain adequate safety measures that shall prevent undue loss, damages and injury on workers or loss of properties.
General Foreman	1	Full time	with at least 3 years of experience in Construction
Electrician	1	As-needed in the Site	Duly Licensed Master Electrician with at least 3 years of experience
Plumber	1	As-needed in the Site	Duly Licensed Master Plumber with at least 3 years of experience
Welder	1	As-needed in the Site	Skilled in any types of welding and with at least three (3) years-experience
Laborers	22	Full time	Of Legal Age, at least 18 years old.

## 2. MINIMUM EQUIPMENT REQUIREMENT

EQUIPMENT	CAPACITY	NUMBER OF UNITS
One-bagger cement mixer	One Bagger	1 unit
Welding Machine	500 amps	1 unit
Fusion Machine	For ½" to 1-1/2" dia. Pipes	1 unit
Power Tools	Drill Grinder (for 4" to 8" dia. Disc) Cut-off Machine (for 10" to 14" dia. Disc) Router Planer Sanding Machine (optional) Compressor/Spray Gun (optional)	2 units 2 units 1 unit 2 units 1 unit 1 unit 1 unit

## SUMMARY OF MATERIALS (TECHNICAL SPECIFICATIONS)

Project : REPAIR & REHABILITATION OF NEAP BUILDING IN B.C  
 Location : NEAP Compound, Baguio Teacher's Camp, Baguio City

WORK ITEM/MATERIAL	TECHNICAL SPECIFICATION
<b>1. EARTHWORKS</b>	
1.1 Soil Poisoning	Solvent Based, Low odor, environment friendly
<b>2. CONCRETING WORKS</b>	
2.1 Cement	Portland, PNS 7:2005
<b>3. REBAR WORKS</b>	
3.1 Rebars	Steel Bars, PNS 49:2000, Grade 33
3.2 Tie Wires	G.I., gauge16
<b>4. FORMWORKS</b>	
4.1 Form Plywood	½" thk., PNS 196:2000
4.2 Form Lumber	Coco Lumber
<b>5. MASONRY WORKS</b>	
5.1 Concrete Hollow Block	4" & 6"X8"X16" Load Bearing CHB, 800psi, confirming with ASTM C-90- 70
<b>6. DOORS &amp; WINDOWS</b>	
<b>6.1 Doors</b>	
6.1.1 Frameless Doors	Frameless Powder coated Aluminum Door, 1/2" thk. Bronze Glass on Powder coated Aluminum Jamb complete with Accessories (SS Handle, Lock & Heavy Duty Floor Hinge) and Smoked/Frosted Tint
<b>7. STEEL WORKS</b>	
<b>7.1 Structural Steel</b>	
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.
<b>7.2 Others</b>	
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
<b>8. ROOFING WORKS</b>	
8.1 Roofing Sheets	Tile Span type Pre-painted Long span Sheets, Gauge 25, (color subject for Approval)

<p>8.2 Roofing Bended Accessories (Ridge Roll, Flashings, Gutters)</p> <p>8.3 Others</p> <p>8.3.1 Rivets</p> <p>8.3.2 Tek screw</p> <p>8.3.3 Roof Sealant</p> <p>8.3.4 Insulation</p>	<p>Pre-painted Bended Accessories Gauge 24, (color subject for approval)</p> <p>Aluminum type, submit sample for approval Steel, For wood &amp; metal, hex head Clear, Construction Grade, neutral cure, 100% silicone</p> <p>5mm Insulation Double Sided Aluminum Foil, 50m</p>
<p><b>9. CARPENTRY WORKS</b></p>	
<p><b>9.1 Fiber Cement &amp; Acoustic Boards</b></p> <p>9.1.1 Ficem Boards</p> <p>9.1.1 Fascia Boards</p> <p>9.1.1 Acoustic Boards</p> <p>9.1.1 Metal Furrings, Metal Studs &amp; T-runners</p> <p><b>9.2 Plywood &amp; Wood Items</b></p> <p>9.2.1 T &amp; G Wood Planks</p> <p>9.2.2 Rough Wood</p> <p>9.2.3 S4S Wood</p> <p>9.2.4 Plywood</p> <p>9.2.4.a Marine Plywood</p> <p>9.2.4.b Ordinary Plywood</p> <p>9.2.4 Wood Preservation</p> <p><b>9.3 Others</b></p> <p>9.3.1 Toilet Partitions</p>	<p>4.5mm &amp; 6mm thk. Fiber Cement Board 12"x12'x 1/2" Fiber Cement Board 5/8" thk., 2'x4' Panels, Fine Fissured Light Gauge, Galvanized Steel</p> <p>Kiln Dried, Hardwood (submit sample for approval) Kiln Dried, Hardwood (submit sample for approval) Kiln Dried, Hardwood (submit sample for approval)</p> <p>3/4" thk. or 1/2" thk. or 1/4" thk, PNS 196:2000 3/4" thk. or 1/2" thk. or 1/4" thk, PNS 196:2000</p> <p>Brown color, solvent based, for fungicidal and insecticidal</p> <p>3/4" thk. Laminated Phenolic Toilet Door &amp; Partition, including Accessories (Lock and Brackets), verify approved Color.</p>
<p><b>10. ELECTRICAL WORKS</b></p>	
<p><b>10.1 Wires, Pipes &amp; Boxes</b></p> <p>10.1.1 Electrical Wires</p> <p>10.1.2 PVC Pipes &amp; Fittings</p> <p>10.1.3 RSC Pipes &amp; Fittings</p> <p>10.1.4 Junction Box</p> <p>10.1.5 Utility Box</p> <p><b>10.2 Fixtures &amp; Accessories</b></p> <p>10.2.1 Flourescent Lights</p> <p>10.2.2 Lamp Posts</p>	<p>THW and/or THNN, Stranded PNS 14:1983, Series 600, PVC Orange Pipes Standard trade sizes, hot dipped galvanized with inside enamel or epoxy coating</p> <p>4 x 4 PVC 4 x 2 PVC</p> <p>Industrial Type Housing, double socket, with 18w T8 LED</p> <p>Integrated Aluminum-Alloy Solar-Type Lamp Post, 15 Watts, with 18v/25w Solar Panel and High-efficiency Lithium Battery</p>

<p>10.2.3 Convenience Outlets</p> <p>10.2.4 Switches</p> <p><b><u>10.3 Others</u></b></p> <p>10.3.1 Centralized Water Heater</p> <p>10.3.2 Calorifer Tank</p> <p>10.3.3 Recirculating Pump</p> <p>10.3.4 Bladder Tank</p> <p>10.3.5 Centrifugal Pump</p>	<p>"Wide Series", Grounding Type, 20A, 250V</p> <p>"Wide Series", 10 AMP, 230V</p> <p>"Heat Pump" Type, 2.7Kw, LPCB certified 230V, 50/60 Hz</p> <p>130 gals, with Sacrificial Anode, 6Kw Back-up Heating Element, Temperature Guage Monitor, Pressure Relief Valve</p> <p>1HP Pump</p> <p>60gals capacity</p> <p>1HP Pump Self Priming with Gauge and Automatic Switch</p>
<p><b>11. PLUMBING WORKS</b></p>	
<p><b><u>11.1 Pipes &amp; Fittings</u></b></p> <p>11.1.1 Pipes</p> <p>11.1.2 Fittings</p> <p><b><u>11.2 Fixtures &amp; Accessories</u></b></p> <p>11.2.1 Water Closet</p> <p>11.2.2 Lavatory</p> <p>11.2.3 Paper &amp; Soap Holder</p> <p>11.2.4 Floor Drains</p> <p>11.2.5 Bidet Faucet</p> <p>11.2.6 Shower Set</p> <p>11.2.7 Gate Valves</p> <p>11.2.8 Three-way Angle Valves</p> <p>11.2.9 Mirror</p>	<p>PN20 PPR Pipes</p> <p>PN20 PPR</p> <p>Dual Flush Type (Water Saver), 1.6gpf, White, Complete with Accessories</p> <p>Semi-Pedestal &amp; Basin Type, White, Complete with Accessories (including Faucet, Valves &amp; Flexible Hose)</p> <p>Stainless Steel Finish</p> <p>4" Stainless Steel Finish with Strainer</p> <p>Stainless Matte Finish, with rotating Head, complete with accessories.</p> <p>3-Way Valve (H/C) with Shower Head (Telephone Type) and Handle Bar</p> <p>1/2"Ø and/or 3/4"Ø, Brass Type</p> <p>1/2" x 1/2"x 1/2", Stainless Matte Finish</p> <p>1/4" thk., Frameless</p>
<p><b>12. SANITARY WORKS</b></p>	
<p><b><u>12.1 Pipes &amp; Fittings</u></b></p> <p>12.1.1 PVc Pipes</p> <p>12.1.2 Fittings</p>	<p>Series 1000, UPVc Orange Pipes</p> <p>Series 1000, UPVc Orange Pipes</p>

<b>13. PAINTING WORKS</b>	
<u>13.1 Paints &amp; Varnish</u> 13.1.1 Acrylic Solvent Based Paint (Light & Dark)  13.1.2 Acrylic Solvent Based Primer 13.1.3 Acrylic Solvent Based Reducer 13.1.4 Acrylic Solvent Based Cast 13.1.5 Acrylic Solvent Based Putty Filler 13.1.6 Acrylic Solvent Based Penetrating Sealer  13.1.7 Latex Paint  13.1.8 Acri-Color 13.1.9 Masonry Putty 13.1.10 Primer Paint  <u>13.2 Thinners &amp; Fillers</u> 13.2.1 Thinners 13.2.2 Body Filler 13.2.3 Paint Stripper 13.2.4 Neutralizer	“Liquid Tile” or “Acrytex” or approved equal (verify approved Color Scheme) --- Tulle White & Baguio Green “Liquid Tile” or “Acrytex” or approved equal “Liquid Tile” or “Acrytex” or approved equal “Liquid Tile” or “Acrytex” or approved equal “Liquid Tile” or “Acrytex” or approved equal “Liquid Tile” or “Acrytex” or approved equal  Flat (White) & Semi-Gloss Type (verify approved Color Scheme) Colors will be based on the approved Color Scheme Water based, for Latex Paints Zinc Phosphate or Zinc Chromate  Paint & Lacquer Type Epoxy Type, with Hardener Non-corrosive, for all types of paint For concrete, liquid acidic substance
<b>14. TILE WORKS</b>	
<u>14.1 Tiles</u> 14.1.1 Floor Tiles  14.1.2 Wall Tiles  14.1.3 Homogeneous Tiles 14.1.3.a Non-Skid/Unpolished  <u>14.2 Others</u> 14.2.1 Tile Grout 14.2.2 Tile Adhesive	Vitrified Floor Tiles (verify size, color & design)  Glazed Wall Tiles (verify size, color & design)  60cm x 60cm (verify size, color & design)  Color: Black, PNS ISO 13007 – 1:2014 Color: Black, PNS ISO 13007 – 1:2014 Type C2
<b>15. WATERPROOFING</b>	
15.1 Cold process, Water-based, Polymerized Seamless Rubberized Membrane Type	Multi-Copolymerized resin w/ Nano Silica solid contents; High Quality, High Adhesion, Non-toxic, Non-flammable, with primer sealer, brush and roller applied
<b>16. ELECTRONICS &amp; COMMUNICATION WORKS</b>	

<p><b><u>16.1 Fire Alarm System</u></b></p> <p>16.1.1 Fire Alarm Bell</p> <p>16.1.2 Manual Station Switch</p> <p>16.1.3 Fire Exit Sign</p> <p>16.1.4 Smoke Detector</p> <p>16.1.5 Emergency Light</p> <p><b><u>16.2 CCTV System</u></b></p> <p>16.2.1 Cable Wires</p> <p>16.2.2 Cable Trays</p> <p><b><u>16.3 Internet System</u></b></p> <p>16.3.1 Cable Wires</p> <p>16.3.2 Cable Trays</p> <p><b><u>16.4 Intercom System</u></b></p> <p>16.4.1 Intercom Wires</p> <p><b><u>16.5 Audio System</u></b></p> <p>16.5.1 HDMI Cables</p> <p>16.5.2 Audio Cables</p> <p>16.5.3 Cable Trays</p>	<p>8" diameter, 240V, Loud &amp; clear ringing tone with with "Break Glass" cover, suitable for open or close circuit system</p> <p>Moulded casing, Brass Metal parts, polycarbonate transparent cover,</p> <p>LED Type Single Faced, with Overcharging Protection and 3 Hour back-up Battery, fuse protected, Wall Mounted</p> <p>Stand alone, Photoelectric, 3"Ø Battery Operated</p> <p>2 Beam Light LED Type, with Overcharging Protection, fuse protected, Wall Mounted</p> <p>CAT 6, submit sample for approval submit sample for approval</p> <p>CAT 6, submit sample for approval submit sample for approval</p> <p>submit sample for approval</p> <p>submit sample for approval submit sample for approval submit sample for approval</p>
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**PROGRAM OF  
WORKS  
BILL OF  
QUANTITIES**

Office: NATIONAL EDUCATOR'S ACADEMY OF THE PHILIPPINES (NEAP)			Date: November 2019			
Region: CAR			Budget Allocation:			
Project Title:			Engineering and Administrative Overhead:			
REPAIR & REHABILITATION NEAP BUILDING (PHASE 01)			Approved Budget for Contract:			
			Completion Period: 195 calendar days			
Plan: DepED Plans			Minimum Required Manpower:			
Location: NEAP Compound, Teacher's Camp,			Project Engineer      Electrician      Carpenter      Mason			
			General Foreman      Plumber      Painter      Tile Setter			
			Laborer			
Minimum Required Equipment:						
			Hand Tools      Bar Cutter      Power Tools			
Item No.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
<b>I. DIRECT COST</b>						
I	General Requirements		lot	1.00		
1.0	Earthworks		sq.m	334.80		
2.0	Concreting Works		cu.m	17.78		
3.0	Rebar Works		kg	1,181.62		
4.0	Formworks		lot	1.00		
5.0	Masonry Works		sq.m	19.20		
6.0	Doors and Windows		lot	1.00		
7.0	Steelworks		lot	1.00		
8.0	Roofing Works		m	1,625.06		
9.0	Ceiling and Carpentry Works		lot	1.00		
10.0	Electrical Works		lot	1.00		
11.0	Plumbing Works		lot	1.00		
12.0	Sanitary Works		lot	1.00		
13.0	Painting Works		sq.m	4,761.40		
14.0	Tile Works		sq.m	599.78		
15.0	Waterproofing		sq.m	594.83		
16.0	Electronic & Communication Works		lot	1.00		
<b>Sub-Total</b>						
<b>II. INDIRECT COST 17% of (I less Item "1")</b>						
Overhead Expenses (5%)						
Contingencies (3%)						
Miscellaneous (1%)						
Contractor's Profit (8%)						
<b>Sub-Total</b>						
<b>III. TAX 5% of (II)</b>						
<b>Sub-Total</b>						
<b>IV. TOTAL CONSTRUCTION COST (I + II + III)</b>						

Prepared:

\_\_\_\_\_  
Bidder/Contractor/Supplier

**PROGRAM OF WORKS  
DETAILED COST ESTIMATES**

PROJECT : REPAIR & REHABILITATION OF NEAP BUILDING  
OFFICE : NATIONAL EDUCATOR'S ACADEMY OF THE PHILIPPINES (NEAP)  
LOCATION : NEAP COMPOUND, BAGUIO TEACHERS' CAMP, BAGUIO CITY  
OWNER : DEPARTMENT OF EDUCATION

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
<b>GENERAL REQUIREMENTS</b>								
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Project Billboard	lot	1.00					
	Safety and Health/Equipment	lot	1.00		0.00		0.00	
	Fire Safety Inspection Certificate (FSC)	lot	1.00	0.00		0.00		
	Hauling cost	lot	1.00	0.00		0.00		
	<b>Sub-total</b>							
<b>1.00</b>	<b>Earthworks</b>							
1.0100	Clearing and Grubbing	sq.m	0.00	0.00		0.00		
1.0200	Structural Excavation	cu.m	65.74	0.00		0.00		
1.0300	Backfilling and Compaction	cu.m	8.65	0.00		0.00		
1.0400	Gravel Bedding G-1	cu.m	4.10					
1.0500	Select Fill	cu.m	0.00					
1.0600	Soil Poisoning	sq.m	334.80					
	<b>Sub-total</b>							
<b>2.00</b>	<b>Concreting Works</b>							
	<b>Road Concrete Slab Extension @ Storage Building</b>	<i>cu.m</i>	<b>1.13</b>					
2.0200	Portland Cement	cu.m	11.00					
2.0300	Crushed Gravel 3/4"	cu.m	1.25					
2.0500	Washed Sand	cu.m	0.75					
	<b>Parking Area Concrete Slab</b>	<i>cu.m</i>	<b>11.25</b>					
2.0200	Portland Cement	cu.m	102.00					
2.0300	Crushed Gravel 3/4"	cu.m	11.25					
2.0500	Washed Sand	cu.m	5.75					
	<b>Lamp Posts Pedestal Columns</b>	<i>cu.m</i>	<b>0.41</b>					
2.0200	Portland Cement	cu.m	4.00					
2.0300	Crushed Gravel 3/4"	cu.m	0.50					
2.0500	Washed Sand	cu.m	0.25					
	<b>Genset Slab on Fill &amp; Pedestal Columns</b>	<i>cu.m</i>	<b>2.50</b>					
2.0200	Portland Cement	cu.m	23.00					
2.0300	Crushed Gravel 3/4"	cu.m	2.50					
2.0500	Washed Sand	cu.m	1.25					
	<b>Heat Pump Slab on Fill &amp; Pedestal Columns</b>	<i>cu.m</i>	<b>0.75</b>					
2.0200	Portland Cement	cu.m	7.00					
2.0300	Crushed Gravel 3/4"	cu.m	0.75					
2.0500	Washed Sand	cu.m	0.50					
	<b>Server Room &amp; Right Side Walkway Ramp</b>	<i>cu.m</i>	<b>1.75</b>					
2.0200	Portland Cement	cu.m	16.00					
2.0300	Crushed Gravel 3/4"	cu.m	1.75					
2.0500	Washed Sand	cu.m	1.00					
	<b>Sub-total</b>							
<b>3.00</b>	<b>Rebar Works</b>							
	<b>Road Concrete Slab Extension @ Storage Building</b>		<b>124.70</b>					
	<b>Parking Area Concrete Slab</b>		<b>369.60</b>					
	<b>Lamp Posts Pedestal Columns</b>		<b>115.97</b>					
	<b>Genset Slab on Fill &amp; Pedestal Columns</b>		<b>234.85</b>					
	<b>Heat Pump Slab on Fill &amp; Pedestal Columns</b>		<b>173.40</b>					
	<b>Server Room &amp; Right Side Walkway Ramp</b>		<b>163.30</b>					
3.0500	Deformed Round Bars, Grade 40	kg	1,181.82					
3.1200	G.I. Tie Wire	kg	24.00					
	<b>Sub-total</b>							
<b>4.00</b>	<b>Formworks</b>							
	<b>Pedestal for Lamp Post</b>	<i>sq.m</i>	<b>5.40</b>					
4.0100	Coco Lumber	bd.ft	92.00					
4.0300	Plywood Ordinary, 1/2" x 4' x 8'	pc	2.00					
4.0400	CWN, Assorted	kg	2.00					
	<b>Sub-total</b>							
<b>5.00</b>	<b>Masonry Works</b>							
	<b>Chipping Works</b>							
	Chipping Works for Additional/New and relocated electrical wirings and plumbing/sanitary lines.	sqm	185.40	0.00		0.00		
	Chipping Works for Additional/New and relocated CCTV, Audio, Internet & Intercom wirings.	sqm	203.40	0.00		0.00		
	<b>Demolition of Masonry Wall</b>							
	Demolition of existing Concrete Railing of the Main Stairs	sqm	17.40	0.00		0.00		
	Demolition of existing Slab on Fill (for Ramps)	sqm	12.30	0.00		0.00		
	Demolition of existing Masonry Wall Partitions.	sqm	19.20	0.00		0.00		
	Demolition of Masonry Wall for New Door Openings & Doors to be removed	sqm	53.70	0.00		0.00		

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	<b>Additional Wall for the Stainless Steel Corner (B) of Roof Deck)</b>							
	<b>Additional Wall</b>	sq.m	4.20					
5.0200	CHB 6" thk	pc	53.00					
2.0200	Portland Cement	cu.m	3.00					
2.0500	Washed Sand	cu.m	1.00					
5.0400	10mm x 6m RSB	kg	6.00					
3.1200	G.I. Tie Wire	kg	1.00					
	<b>Plastering</b>	sq.m	8.40					
2.0200	Portland Cement	cu.m	3.00					
2.0500	Washed Sand	cu.m	1.00					
	<b>New Masonry Walls</b>							
	<b>Walls (for Server Area and New Door Openings)</b>	sq.m	19.20					
5.0200	CHB 6" thk	pc	240.00					
2.0200	Portland Cement	cu.m	10.00					
2.0500	Washed Sand	cu.m	1.00					
5.0400	10mm x 6m RSB	kg	26.00					
3.1200	G.I. Tie Wire	kg	1.00					
	<b>Plastering</b>	sq.m	38.40					
2.0200	Portland Cement	cu.m	13.00					
2.0500	Washed Sand	cu.m	2.00					
	<b>Repair works of Chipped Walls (re-plastering)</b>							
	<b>Plastering</b>	sq.m	250.00					
2.0200	Portland Cement	cu.m	83.00					
2.0500	Washed Sand	cu.m	9.00					
	<b>Repair works of Chipped Floor (Floor Topping)</b>							
	<b>Floor Topping</b>	sq.m	150.00					
2.0200	Portland Cement	cu.m	99.00					
2.0500	Washed Sand	cu.m	10.00					
	<b>Sub-total</b>							
<b>8.00</b>	<b>Doors and Windows</b>							
	<b>Removal of Door with Jamb</b>							
	Removal of Aluminum Doors with Jamb	set	4.00	0.00		0.00		
	Removal of Double Doors with Jamb	set	9.00	0.00		0.00		
	Removal of Varifold Doors and guide rails	set	2.00	0.00		0.00		
	Removal of Door with Jamb	set	40.00	0.00		0.00		
	Removal of Metal Door with Jamb	set	2.00	0.00		0.00		
	<b>New Doors</b>							
	D-1 (2F Lobby), Frameless Aluminum Powder Coated Door 3.90m x 2.10m, 1/2" thk. Bronze Glass on Anolok Aluminum Jamb complete with Accessories (SS Handle, Lock & Heavy Duty Floor Hinge) and Smoked/Frosted Tint	set	1.00					
	D-2 (Dining Hall), Frameless Powder coated Aluminum Door 1.80m x 2.10m, 1/2" thk. Bronze Glass on Anolok Aluminum Jamb complete with Accessories (SS Handle, Lock & Heavy Duty Floor Hinge) and Smoked/Frosted Tint	set	1.00					
	<b>Sub-total</b>							
<b>7.00</b>	<b>Steel Works</b>							
	<b>Genset Housing</b>							
7.0090	LC 75 x 38 x 15 x 2.0mm	kg	525.60					
7.2810	G.I. Pipe 1-1/2" Sch. 40	pc	8.00					
7.2800	G.I. Pipe 2" Sch.40	pc	4.00					
7.1100	Steel Plate 1.20m x 2.40m x 6mm thk	pc	0.50					
	Anchor Bolt with Nuts and Washer, 12mmØ x 50mm x 150mm	pc	24.00					
7.3800	Welding Rod	kg	35.00					
	<b>Heat Pump Housing</b>							
7.0090	LC 75 x 38 x 15 x 2.0mm	kg	204.75					
7.2810	G.I. Pipe 1-1/2" Sch. 40	pc	6.00					
7.2800	G.I. Pipe 2" Sch.40	pc	3.00					
7.1100	Steel Plate 1.20m x 2.40m x 6mm thk	pc	0.25					
	Anchor Bolt with Nuts and Washer, 12mmØ x 50mm x 150mm	pc	24.00					
7.3800	Welding Rod	kg	25.00					
	<b>Maintenance Ladder for Roof</b>							
7.1020	L 40 x 40 x 5mm	kg	358.70					
7.0820	L 60 x 60 x 8mm	kg	233.20					
7.3800	Welding Rod	kg	20.00					
	<b>Others</b>							
	Dismantling of Canopy & Media Agus Truss Framings	sqm	30.40	0.00		0.00		
	Dismantling of Genset Truss Framings	sqm	19.80	0.00		0.00		
	<b>Sub-total</b>							
<b>8.00</b>	<b>Roofing Works</b>							
	<b>Removal of Roofing Sheets &amp; Accessories @ Main Buildings (A, B &amp; C)</b>							
8.0100	Removal of Roofing Sheets	m	1,122.45	0.00		0.00		
8.0200	Removal of Ridge Roll	pc	76.00	0.00		0.00		
8.0300	Removal of Flashing	pc	22.00	0.00		0.00		
8.0400	Removal of Gutter	pc	12.00	0.00		0.00		
	<b>Removal of Roofing Sheets &amp; Accessories @ Media Aguas</b>							
8.0100	Removal of Roofing Sheets	m	42.48	0.00		0.00		
8.0200	Removal of Ridge Roll	pc	8.00	0.00		0.00		
8.0300	Removal of Flashing	pc	18.00	0.00		0.00		

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	<b>Removal of Roofing Sheets &amp; Accessories @ Storage Building</b>							
8.0100	Removal of Roofing Sheets	m	274.80	0.00		0.00		
8.0200	Removal of Ridge Roll	pc	8.00	0.00		0.00		
8.0300	Removal of Flashing	pc	14.00	0.00		0.00		
8.0500	Removal of Fascia Board	pc	22.00	0.00		0.00		
	<b>Building "A" Roofing</b>	<b>m</b>	<b>492.70</b>					
	Long-Span Roofing, Tile Span type, Pre-Painted, 1220mm x 0.5mm thk	m	492.70					
	Ridge Roll, Spanish Type, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	38.00					
	False Gutter, Pre-Painted, Spanish Type, 0.610m x 2.440m x 0.6mm thk	pc	36.00					
	5mm Insulation Double Sided Aluminum Foll, 50m	roll	14.00					
8.35	Teckscrew 2-1/2"	pc	4,927.00					
8.38	Roof Sealant	L	8.00					
8.37	Blind Rivets	pc	740.00					
	<b>Building "B" Roofing</b>	<b>m</b>	<b>429.34</b>					
	Long-Span Roofing, Tile Span type, Pre-Painted, 1220mm x 0.5mm thk	m	429.34					
	Ridge Roll, Spanish Type, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	20.00					
	Counter Flashing, Pre-Painted, Tile Span Type, 0.610m x 2.440m x 0.6mm thk	pc	22.00					
	False Gutter, Pre-Painted, Spanish Type, 0.610m x 2.440m x 0.6mm thk	pc	24.00					
	Wall Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	14.00					
	Inside Gutter, Stainless Steel, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	3.00					
	5mm Insulation Double Sided Aluminum Foll, 50m	roll	12.00					
8.35	Teckscrew 2-1/2"	pc	4,293.40					
8.38	Roof Sealant	L	8.00					
8.37	Blind Rivets	pc	830.00					
	<b>Building "C" Roofing</b>	<b>m</b>	<b>365.72</b>					
	Long-Span Roofing, Tile Span type, Pre-Painted, 1220mm x 0.5mm thk	m	365.72					
	Ridge Roll, Spanish Type, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	22.00					
	Gutter, Pre-Painted, Spanish Type, 0.610m x 2.440m x 0.6mm thk	pc	10.00					
	False Gutter, Pre-Painted, Spanish Type, 0.610m x 2.440m x 0.6mm thk	pc	32.00					
	5mm Insulation Double Sided Aluminum Foll, 50m	roll	10.00					
8.35	Teckscrew 2-1/2"	pc	3,857.20					
8.36	Roof Sealant	L	8.00					
8.37	Blind Rivets	pc	640.00					
	<b>Storage Building Roofing</b>	<b>m</b>	<b>274.80</b>					
	Long-Span Roofing, Tile Span type, Pre-Painted, 1220mm x 0.5mm thk	m	274.80					
	Ridge Roll, Tile Span type, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	8.00					
	Gutter, Pre-Painted, Spanish Type, 0.610m x 2.440m x 0.6mm thk	pc	14.00					
	End Flashing, Pre-Painted, Spanish Type, 0.610m x 2.440m x 0.6mm thk	pc	14.00					
8.35	Teckscrew 2-1/2"	pc	2,748.00					
8.36	Roof Sealant	L	8.00					
8.37	Blind Rivets	pc	360.00					
	<b>Roofing for Genset Housing</b>	<b>m</b>	<b>38.90</b>					
	Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm thk	m	38.90					
	Ridge Roll, Pre-Painted, Ordinary, 0.457m x 2.440m x 0.6mm thk	pc	3.00					
	Flashing, Pre-Painted, Ordinary, 0.457m x 2.440m x 0.6mm thk	pc	4.00					
8.35	Teckscrew 2-1/2"	pc	389.00					
8.36	Roof Sealant	L	2.00					
8.37	Blind Rivets	pc	40.00					
	<b>Roofing for Heat Pump Housing</b>	<b>m</b>	<b>23.60</b>					
	Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm thk	m	23.60					
	Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	3.00					
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	4.00					
8.35	Teckscrew 2-1/2"	pc	236.00					
8.36	Roof Sealant	L	2.00					
8.37	Blind Rivets	pc	40.00					
	<b>Sub-total</b>							
<b>9.00</b>	<b>CEILING AND CARPENTRY WORKS</b>							
	<b>Demolishing Works</b>							
	<b>Removal of Ceiling</b>							
	Removal of Ceiling (Interior)	sq.m	1,863.68	0.00		0.00		
	Removal of Ceiling (Exterior)	sq.m	403.36	0.00		0.00		
	<b>Removal of Partition</b>							
	Removal of Partition (Existing Audio Room)	sq.m		0.00		0.00		
	Removal of Partition (Existing 3F Media Room/Office)	sq.m		0.00		0.00		
	Removal of Partition (Existing Printing Office)	sq.m		0.00		0.00		

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	<b>Main Entry Canopy &amp; Roof Eaves</b>							
9.1000	Metal Double Furring Channel (19mm x 50mm x 5m x 0.5mm thk)	sq.m	0.00					
		pc	0.00					
9.0800	Metal Carrying Channel (12mm x 38mm x 5m x 0.6mm thk)	pc	0.00					
9.1100	Wall Angle	pc	0.00					
9.1200	Preformed Wire Clip	pc	0.00					
9.1300	Rod Suspension Hanger with Adjustment Spring	pc	0.00					
9.1310	Steel Angle	pc	0.00					
9.2200	Concrete Nails	kg	0.00					
8.1100	Blind Rivets	pc	0.00					
9.0900	Fiber Cement Ceiling Board (4.5 mm thk)	pc	188.00					
	<b>Wood Replacements</b>							
	<b>Wooden Trusses for Main Buildings (Building A, B &amp; C)</b>							
	2"x 6" Hardwood	bd.ft.	900.00					
	2"x 3" Hardwood	bd.ft.	3,300.00					
	2"x 8" Hardwood	bd.ft.	1,040.00					
4.0400	CWN, Assorted	kg	55.00					
9.1900	Wood Preservative, Brown	L	65.00					
	<b>Wooden Trusses for Storage Building</b>							
	2"x 6" Hardwood	bd.ft.	540.00					
	2"x 3" Hardwood	bd.ft.	1,200.00					
	2"x 8" Hardwood	bd.ft.	480.00					
4.0400	CWN, Assorted	kg	20.00					
9.1900	Wood Preservative, Brown	L	35.00					
9.1430	Fascia Board, Fiber Cement 12" x 8'	pc	30.00					
	Panel Board, Fiber Cement 12" x 8'	pc	200.00					
	<b>Ceiling for Storage Building</b>							
9.1000	Metal Double Furring Channel (19mm x 50mm x 5m x 0.5mm thk)	pc	33.00					
9.0800	Metal Carrying Channel (12mm x 38mm x 5m x 0.6mm thk)	pc	19.00					
9.1100	Wall Angle	pc	21.00					
9.1200	Preformed Wire Clip	pc	79.00					
9.1300	Rod Suspension Hanger with Adjustment Spring	pc	79.00					
9.1310	Steel Angle	pc	79.00					
9.2200	Concrete Nails	kg	1.00					
8.1100	Blind Rivets	pc	320.00					
9.0900	Fiber Cement Ceiling Board (4.5 mm thk)	pc	35.00					
	<b>Raised Flooring</b>							
9.0400	Plywood, Ordinary 3/4" x 4' x 8'	pc.	75.00					
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft.	1,720.00					
9.2200	Concrete Nails	kg	15.00					
4.0400	CWN, Assorted	kg	20.00					
9.1900	Wood Preservative, Brown	L	15.00					
	<b>Replacement for T&amp;G Flooring</b>							
	T&G 1" x 4"	bd.ft.	480.00					
4.0400	CWN, Assorted	kg	6.00					
9.2100	Finishing Nails	kg	10.00					
	<b>Replacement for Wall Panels</b>							
9.0200	Plywood, Ordinary 1/4" x 4' x 8'	pc.	110.00					
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft.	540.00					
4.0400	CWN, Assorted	kg	12.00					
9.2100	Finishing Nails	kg	10.00					
	<b>Toilet Partition</b>							
	Phenolic Toilet Door & Partition, including Accessories (Lock and Brackets)	sqm	39.60					
	<b>Sub-total</b>							

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
<b>10.00</b>	<b>Electrical Works</b>							
	<i>Roughing in</i>							
10.0200	Electrical Conduit uPVC, 20mmØ	pc	385.00					
10.0210	Electrical Conduit uPVC, 25mmØ	pc	75.00					
10.1000	Entrance Cap 32mm dia.	pc	20.00					
	Junction Box, 4" x 4" PVC	pc	80.00					
	Utility Box, 2" x 4" PVC	pc	80.00					
	<i>Wires &amp; Fittings</i>							
10.1800	3.5 mm² THHN Wire, Stranded	pc	4,832.00					
10.1700	5.5 mm² THHN Wire, Stranded	pc	655.00					
10.1710	8.0 mm² THHN Wire, Stranded	pc	50.00					
10.5500	Electrical Tape	roll	75.00					
	<i>Fixtures for Storage Building</i>							
	Industrial Type Housing, with 2 x 18 Watts T8 LED	set	9.00					
	Duplex Convenience Outlet, Grounding Type, 20A 250V	set	6.00					
	3 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	3.00					
	<i>Plumbing Lighting</i>							
	Removal of Existing Lamp Post to be replaced & repaired	set	9.00	0.00		0.00		
	Integrated Aluminum-Alloy Solar-Type Lamp Post, 15 Watts, with 18v/25w Solar Panel and High-efficiency Lithium Battery	set	15.00					
	3"Ø G.I. Pipe Sched 40, Complete with base plate 16mm 8"X 8". Anchor bolt 3/4X20with nut and flat washers	set	15.00					
	<i>Water Heater</i>							
	Heat Pump Water Heater, 1.8 Kw 220-240v, with Control Board, Switches/Breakers and Pipes & Fittings	unit	1.00					
	Calorifier Tank - 130 Gal Storage	unit	1.00					
	1HP Re-circulating Pump	unit	1.00					
	60gals Bladder Tank	unit	1.00					
	1HP Pump Self Priming Centrifugal Pump with Gauge and Automatic Switch	unit	1.00					
	<b>Sub-total</b>							
<b>11.00</b>	<b>Plumbing Works</b>							
	<i>Dismantling &amp; Re-installation of Existing Fixtures</i>							
	Dismantling of Existing Water Closets	set	14.00	0.00		0.00		
	Dismantling of Existing Lavatories	set	14.00	0.00		0.00		
	Dismantling of Existing Urinals	set	6.00	0.00		0.00		
	Dismantling of Existing Shower Fixtures	set	4.00	0.00		0.00		
	Dismantling of Existing Accessories	set	14.00	0.00		0.00		
	<i>Fixtures &amp; Accessories</i>							
	Water Closet 1.6gpf with Accessories (Dual Flush)	set	14.00					
	Lavatory, Semi-Pedestal Type with Accessories	set	5.00					
	Lavatory, Basin Type with Accessories	set	14.00					
	Shower Set, 3-Way Valve (H/C) with Shower Head	set	4.00					
	Waterless Urinal, including Cartridge	set	8.00					
11.4410	S.S. Floor Drain 4" x 4"	set	45.00					
	Brass Floor Drain 6" x 6"	set	14.00					
11.4300	Tissue Holder	pc	14.00					
	Soap Holder	pc	4.00					
	Bidet Faucet, rotating head, complete with Accessories	set	19.00					
11.4500	Mirror	sqft	228.25					
	<i>Pipes &amp; Fittings</i>							
11.1000	PP-R Pipe 3/4"Ø x 4.0m (PN20)	pc	68.00					
11.1500	PP-R Coupling, 3/4"Ø	pc	68.00					
11.2600	PP-R Tee, 3/4"Ø	pc	68.00					
11.2100	PP-R Elbow 90° x 3/4"Ø	pc	68.00					
11.2910	PP-R Tee Reducer, 3/4" x 1/2"Ø	pc	81.00					
11.1100	PP-R Pipe 1/2"Ø x 4.0m (PN20)	pc	75.00					
11.2200	PP-R Elbow 90° x 1/2"Ø	pc	70.00					
11.1600	PP-R Coupling, 1/2"Ø	pc	75.00					
11.2700	PP-R Tee, 1/2"Ø	pc	81.00					
	PP-R Female Adapter x 1/2"Ø	pc	75.00					
	PPR Pipe 40mmØ PN 20	pcs	30.00					
	PPR Coupling, 40mmØ	pcs	35.00					
	PPR Elbow 90°, 40mmØ	pcs	35.00					
	PPR Female Adapter, 40mmØ	pcs	16.00					
	Gate Valve, 40mmØ	pcs	4.00					
	Check Valve, 40mmØ	pcs	2.00					
	PPR Reducer, 63mmØ x 40mmØ	pcs	3.00					
11.3800	Gate Valve, 3/4"Ø	pc	30.00					
	Three-way Angle Valve, 1/2" x 1/2" x 1/2"	pc	19.00					
11.4200	Teflon Tape	pc	54.00					
	<b>Sub-total</b>							
<b>12.00</b>	<b>Sanitary Works</b>							
	<i>Rehabilitation of Existing Drainage Canal</i>							
	Cleaning and de-clogging of Existing Drainage Canal	cu.m.	82.16	0.00		0.00		
	Metal Screen on Metal Frame	sqft.	65.10	0.00		0.00		
	<i>Pipes &amp; Fittings</i>							
12.0500	PVC Sanitary Pipe 4"Ø x 3.0m	pc	58.00					
12.1300	PVC Sanitary Elbow 1/8 x 4"Ø	pc	50.00					
12.1600	PVC Sanitary Wye 4" x 4"	pc	50.00					
	Brass Cleanout 4"x4"	pc	54.00					

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
12.0700	PVC Sanitary Pipe 2"Ø x 3.0m	pc	65.00					
12.1100	PVC Sanitary Elbow 90° x 2"Ø	pc	54.00					
12.1800	PVC Sanitary Wye 2" x 2"	pc	54.00					
12.2200	PVC Sanitary Tee 2" x 2"	pc	54.00					
	PVC P-Trap 2"	pc	27.00					
12.1410	PVC Sanitary Elbow 1/8 x 2"Ø	pc	54.00					
12.3000	PVC Cement	can	45.00					
	<b>Sub-total</b>							
<b>13.00</b>	<b>Painting Works</b>							
	<b>Scraping and Re-sanding</b>							
	Paint Remover	gal	85.00					
	Sanding paper	yrd	400.00					
	<b>Scaffoldings</b>							
9.1700	Rough Lumber, Sun Dried, Tangule	bd.ft.	3,840.00					
4.0400	CWN, Assorted	kg	80.00					
	<b>Interior Surfaces</b>							
	Acrylic Solvent Based Penetrating Sealer	gal	190.00					
	Acrylic Solvent Based Cast	gal	90.00					
	Acrylic Solvent Base Putty Filler	gal	100.00					
	Acrylic Solvent Reducer	gal	190.00					
	Acrylic Solvent Based Primer	gal	185.00					
	<b>Exterior Surfaces</b>							
	Acrylic Solvent Based Penetrating Sealer	gal	80.00					
	Acrylic Solvent Based Cast	gal	40.00					
	Acrylic Solvent Base Putty Filler	gal	45.00					
	Acrylic Solvent Reducer	gal	75.00					
	Acrylic Solvent Based Primer	gal	85.00					
	<b>Painting for Storage Building</b>							
	Acrylic Solvent Based Penetrating Sealer	gal	20.00					
	Acrylic Solvent Based Cast	gal	15.00					
	Acrylic Solvent Base Putty Filler	gal	10.00					
	Acrylic Solvent Reducer	gal	20.00					
	Acrylic Solvent Based Primer	gal	25.00					
	Acrylic Solvent Based Top Coat (Light, Semi-Gloss)	gal	35.00					
	Acrylic Solvent Based Top Coat (Dark, Semi-Gloss)	gal	10.00					
13.0200	Latex, Flat	gal	5.00					
13.0400	Latex, Semi Gloss	gal	10.00					
	<b>Metal Surfaces</b>							
13.1100	Primer, Zinc Chromate	gal	45.00					
	Body Filler	gal	9.00					
13.0900	Paint Thinner	gal	45.00					
	<b>Sub-total</b>							
<b>14.00</b>	<b>Tile Works</b>							
	<b>Chipping Works</b>							
	Chipping & removing of Existing Tiles @ 2F Roof Deck	sqm	90.10	0.00		0.00		
	Chipping & removing of Existing Tiles @ Coffee Shop Deck	sqm	38.20	0.00		0.00		
	Chipping & removing of Existing Tiles @ Male Common Toilet (GF, 2F & 3F)	sqm	175.58	0.00		0.00		
	Chipping & removing of Existing Tiles @ Female Common Toilet (GF, 2F & 3F)	sqm	158.99	0.00		0.00		
	Chipping & removing of Existing Tiles @ Slop Sink Rm (Storage 1, 2a & 3a)	sqm	32.24	0.00		0.00		
	Chipping & removing of Existing Tiles @ Executive Office 01 & 2	sqm	58.20	0.00		0.00		
	Chipping & removing of Existing Tiles & PWD Toilet	sqm	31.67	0.00		0.00		
	Chipping & removing of Existing Tiles @ GF Male/Female Individual Toilet	sqm	65.37	0.00		0.00		
	Chipping & removing of Existing Tiles @ Staff Quarters 01 & 02 Toilet	sqm	46.14	0.00		0.00		
	Chipping & removing of Pebble Washout Finish @ Main Stairs (GF to 3F)	sqm	41.10	0.00		0.00		
	Chipping & removing of Pebble Washout Finish @ Main Entrance & Kerunungan Lobby	sqm	27.80	0.00		0.00		
	<b>Demolition of Masonry Wall</b>							
	Demolition of Masonry Wall @ Male Common Toilet (GF, 2F & 3F)	sqm	19.82	0.00		0.00		
	Demolition of Masonry Wall @ Female Common Toilet (GF, 2F & 3F)	sqm	12.80	0.00		0.00		
	Demolition of Lavatory Countertop @ Male/Female Common Toilet (GF, 2F & 3F)	sqm	10.18	0.00		0.00		
	Demolition of Masonry Wall @ GF Male/Female Individual Toilet	sqm	7.48	0.00		0.00		
	Demolition of Lavatory Countertop @ GF Male/Female Individual Toilet	sqm	2.04	0.00		0.00		
	<b>GF Common Toilet (Male)</b>							
	<b>Wall</b>							
	Glazed Wall Tile, 30cm x 30cm	pc	524.00					
14.16	Tile Adhesive 25 kg/bag	bag	9.00					
14.15	Tile Grout 5 kg/bag	bag	4.00					
	<b>Flooring</b>							
	Unglazed Floor Tile, 30cm x 30cm	pc	139.00					
14.0300	Tile Adhesive 25 kg/bag	bag	3.00					
14.0500	Tile Grout 5 kg/bag	bag	1.00					
	<b>GF Common Toilet (Female)</b>							
	<b>Wall</b>							
	Glazed Wall Tile, 30cm x 30cm	pc	491.00					
14.16	Tile Adhesive 25 kg/bag	bag	8.00					
14.15	Tile Grout 5 kg/bag	bag	4.00					

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	<b>Flooring</b>	<i>sq.m</i>	<b>8.45</b>					
	Unglazed Floor Tile, 30cm x 30cm	pc	109.00					
14.0300	Tile Adhesive 25 kg/bag	bag	2.00					
14.0500	Tile Grout 5 kg/bag	bag	1.00					
	<b>2F Common Toilet (Male)</b>							
	<b>Wall</b>	<i>sq.m</i>	<b>45.76</b>					
	Glazed Wall Tile, 30cm x 30cm	pc	524.00					
14.16	Tile Adhesive 25 kg/bag	bag	9.00					
14.15	Tile Grout 5 kg/bag	bag	4.00					
	<b>Flooring</b>	<i>sq.m</i>	<b>12.10</b>					
	Unglazed Floor Tile, 30cm x 30cm	pc	139.00					
14.0300	Tile Adhesive 25 kg/bag	bag	3.00					
14.0500	Tile Grout 5 kg/bag	bag	1.00					
	<b>2F Common Toilet (Female)</b>							
	<b>Wall</b>	<i>sq.m</i>	<b>42.88</b>					
	Glazed Wall Tile, 30cm x 30cm	pc	491.00					
14.16	Tile Adhesive 25 kg/bag	bag	8.00					
14.15	Tile Grout 5 kg/bag	bag	4.00					
	<b>Flooring</b>	<i>sq.m</i>	<b>8.45</b>					
	Unglazed Floor Tile, 30cm x 30cm	pc	109.00					
14.0300	Tile Adhesive 25 kg/bag	bag	2.00					
14.0500	Tile Grout 5 kg/bag	bag	1.00					
	<b>3F Common Toilet (Male)</b>							
	<b>Wall</b>	<i>sq.m</i>	<b>45.76</b>					
	Glazed Wall Tile, 30cm x 30cm	pc	524.00					
14.16	Tile Adhesive 25 kg/bag	bag	9.00					
14.15	Tile Grout 5 kg/bag	bag	4.00					
	<b>Flooring</b>	<i>sq.m</i>	<b>12.10</b>					
	Unglazed Floor Tile, 30cm x 30cm	pc	139.00					
14.0300	Tile Adhesive 25 kg/bag	bag	3.00					
14.0500	Tile Grout 5 kg/bag	bag	1.00					
	<b>3F Common Toilet (Female)</b>							
	<b>Wall</b>	<i>sq.m</i>	<b>42.88</b>					
	Glazed Wall Tile, 30cm x 30cm	pc	491.00					
14.16	Tile Adhesive 25 kg/bag	bag	8.00					
14.15	Tile Grout 5 kg/bag	bag	4.00					
	<b>Flooring</b>	<i>sq.m</i>	<b>8.45</b>					
	Unglazed Floor Tile, 30cm x 30cm	pc	109.00					
14.0300	Tile Adhesive 25 kg/bag	bag	2.00					
14.0500	Tile Grout 5 kg/bag	bag	1.00					
	<b>GF Individual Toilet (Male)</b>							
	<b>Wall</b>	<i>sq.m</i>	<b>24.60</b>					
	Glazed Wall Tile, 30cm x 30cm	pc	282.00					
14.16	Tile Adhesive 25 kg/bag	bag	5.00					
14.15	Tile Grout 5 kg/bag	bag	2.00					
	<b>Flooring</b>	<i>sq.m</i>	<b>4.12</b>					
	Unglazed Floor Tile, 30cm x 30cm	pc	48.00					
14.0300	Tile Adhesive 25 kg/bag	bag	1.00					
14.0500	Tile Grout 5 kg/bag	bag	1.00					
	<b>GF Individual Toilet (Female)</b>							
	<b>Wall</b>	<i>sq.m</i>	<b>29.10</b>					
	Glazed Wall Tile, 30cm x 30cm	pc	334.00					
14.16	Tile Adhesive 25 kg/bag	bag	6.00					
14.15	Tile Grout 5 kg/bag	bag	3.00					
	<b>Flooring</b>	<i>sq.m</i>	<b>5.55</b>					
	Unglazed Floor Tile, 30cm x 30cm	pc	64.00					
14.0300	Tile Adhesive 25 kg/bag	bag	1.00					
14.0500	Tile Grout 5 kg/bag	bag	1.00					
	<b>Staff Quarters 01 Toilet</b>							
	<b>Wall</b>	<i>sq.m</i>	<b>19.50</b>					
	Glazed Wall Tile, 30cm x 30cm	pc	224.00					
14.16	Tile Adhesive 25 kg/bag	bag	4.00					
14.15	Tile Grout 5 kg/bag	bag	2.00					
	<b>Flooring</b>	<i>sq.m</i>	<b>2.57</b>					
	Unglazed Floor Tile, 30cm x 30cm	pc	30.00					
14.0300	Tile Adhesive 25 kg/bag	bag	1.00					
14.0500	Tile Grout 5 kg/bag	bag	1.00					
	<b>Staff Quarters 02 Toilet</b>							
	<b>Wall</b>	<i>sq.m</i>	<b>19.50</b>					
	Glazed Wall Tile, 30cm x 30cm	pc	224.00					
14.16	Tile Adhesive 25 kg/bag	bag	4.00					
14.15	Tile Grout 5 kg/bag	bag	2.00					
	<b>Flooring</b>	<i>sq.m</i>	<b>2.57</b>					
	Unglazed Floor Tile, 30cm x 30cm	pc	30.00					
14.0300	Tile Adhesive 25 kg/bag	bag	1.00					
14.0500	Tile Grout 5 kg/bag	bag	1.00					
	<b>Coffee Shop Deck</b>							
	<b>Flooring</b>	<i>sq.m</i>	<b>36.20</b>					
	Unpolished/Non-skid Homogeneous Floor Tile, 60cm x 60cm	pc	104.00					
14.0300	Tile Adhesive 25 kg/bag	bag	7.00					
14.0500	Tile Grout 5 kg/bag	bag	3.00					
	<b>2F Roof Deck</b>							
	<b>Flooring</b>	<i>sq.m</i>	<b>92.10</b>					
	Unpolished/Non-skid Homogeneous Floor Tile, 60cm x 60cm	pc	284.00					



Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
14.0300	Tile Adhesive 25 kg/bag	bag	17.00					
14.0500	Tile Grout 5 kg/bag	bag	7.00					
	<b>2F Roof Deck Extension</b>							
	<b>Flooring</b>	sq.m	33.40					
	Unpolished/Non-skid Homogeneous Floor Tile, 60cm x 60cm	pc	96.00					
14.0300	Tile Adhesive 25 kg/bag	bag	7.00					
14.0500	Tile Grout 5 kg/bag	bag	3.00					
	<b>Others</b>							
	Removal of Existing Paver Blocks and Clearing of Base Slab	sqm	675.30	0.00		0.00		
	<b>Resanding &amp; Resealing of T&amp;G and Wooden Floor</b>							
	Resanding & Resealing of T&G Floor @ Dining Hall	sqft	1,055.16					
	Resanding & Resealing of Wooden Main Stairs of Staff Quarters	sqft	104.35					
	<b>Resanding &amp; Repolishing of Marble Floor</b>							
	Marble Tile Replacement	sqft	136.65					
	Resanding & Repolishing of Marble Floor @ GF (Including, Executive Offices, Office areas, Lobby areas & Halls)	sqm	721.88					
	Resanding & Repolishing of Marble Floor @ 2F	sqm	65.80					
	Resanding & Repolishing of Marble Floor @ 3F	sqm	65.80					
	<b>Sub-total</b>							
<b>15.00</b>	<b>Waterproofing</b>							
	Cold process, Water-based, Polymerized Seamless Rubberized Membrane Type							
	a. 2F & 3F Common Toilet (Male)	sqm	39.28					
	b. 2F & 3F Common Toilet (Female)	sqm	32.26					
	c. 2F & 3F Stop Sink Room	sqm	10.36					
	d. 2F Roof Deck	sqm	116.90					
	e. Coffee Shop Roof Deck	sqm	49.25					
	f. Staff Quarters Toilet (Male/Female)	sqm	12.10					
	g. 2F Roof Deck Extension	sqm	39.20					
	h. Building "A" Concrete Plant Box	sqm	123.68					
	i. Concrete Eaves/Roof	sqm	172.80					
	<b>Sub-total</b>							

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
<b>16.00</b>	<b>Electronic &amp; Communication Works</b>							
	<b>Fire Alarm System</b>							
	Fire Alarm Bell, Vibrating Type, 8"	set	6.00					
	Fire Alarm Station, Manual Single Action	set	6.00					
	Smoke Detector	set	52.00					
	Emergency Exit Signage	set	10.00					
	2 Beam Emergency Light	set	20.00					
	<b>CCTV System</b>							
	Cable Wires, Category 6	mtr	900.00					
	Cable Tray Wire Gutter	pc	40.00					
	<b>Internet System</b>							
	Cable Wires, Category 6	mtr	1,000.00					
	Cable Tray Wire Gutter	pc	50.00					
	<b>Intercom System</b>							
	Intercom Wires	mtr	450.00					
	<b>Audio System (Pipe-In)</b>							
	HDMI Cable	mtr	350.00					
	Audio Cable	roll	5.00					
	Cable Tray Wire Gutter	pc	25.00					
	<b>Sub-total</b>							
I	DIRECT COST							
II	INDIRECT COST 17% of (I less item "I")							
III	TAX 5% of (I + II)							
IV	<b>TOTAL CONSTRUCTION COST (I + II + III)</b>							

Prepared by:

\_\_\_\_\_  
Bidder/ Contractor/Supplier

Date: December 9, 2019