

PROPOSED 5-STOREY W/ 2-BASEMENT DIAGNOSTIC BUILDING PHASE I

BILL OF QUANTITIES

PROJECT TITLE: ONE (1) LOT LABOR AND MATERIALS FOR THE PROPOSED 5-STOREY W/ 2-BASEMENT
 DIAGNOSTIC BUILDING PHASE I
 APPROVED BUDGET FOR THE CONTRACT: 50,000,000.00 PESOS ONLY

CONTRACT DURATION: 360 CALENDAR DAYS INCLUSIVE OF 60 CALENDAR DAY PREDETERMINED
 UNWORKABLE CONDITIONS DUE TO WEATHER

| Item No. | DESCRIPTION | UNIT | QTY | MATERIALS | | LABOR | | EQUIPMENT | | ESTIMATED DIRECT COST | MARK-UPS IN % | | TOTAL MARK-UP | | TOTAL INDIRECT COST | TOTAL COST | TOTAL UNIT COST | |
|--------------|---|-------------|------------------|-----------|------------------|-----------|------------------|-----------|------------------|-----------------------|---------------|-----|------------------|-------------------|-----------------------|--------------------|-------------------|-------------------|
| | | | | UNIT COST | TOTAL COST | UNIT COST | TOTAL COST | UNIT COST | TOTAL COST | | PROFIT | OCM | % | VALUE | | | | VAT |
| (1) | (2) | | (3) | (4a) | (4) = (4a) x (3) | (5a) | (5) = (5a) x (3) | (6a) | (6) = (6a) x (3) | (7) | (8) | (9) | (10) = (8) + (9) | (11) = (10) X (7) | (12) = % [(7) + (11)] | (13) = (11) + (12) | (14) = (7) + (13) | (15) = (14) / (3) |
| G | GENERAL REQUIREMENTS | | | | | | | | | | | | | | | | | |
| G.1 | Mobilization / Demobilization | lot | 1.00 | | | | | | | | | | | | | | | |
| G.2 | Project Billboard | lot | 1.00 | | | | | | | | | | | | | | | |
| G.3 | Temporary Facilities (Barracks, Offices, Storage , etc) * Includes Storage, Staging area, Workers Barracks, Offices * Note: Workers barracks must be off-site | lot | 1.00 | | | | | | | | | | | | | | | |
| G.4 | Permits and Licences * Demolition Permit, Fencing Permit, Excavation Permits, Structural permit, and other permits | lot | 1.00 | | | | | | | | | | | | | | | |
| G.5 | Provisions for Health, Security and Safety * Includes PPE,Board-up, Fences, Safety signages, Directional signages * Includes labor, Equipment and Materials for the Implementation of Construction Safety and Health Program (DOLE Approved) * Includes PPE,Board-up, Fences, Safety signages, Directional signages * Includes standard protocols to protect both workers and the public (Perimeter wall, safety nets, inverted umbrella, etc) | lot | 1.00 | | | | | | | | | | | | | | | |
| | sub-total | | | | | | | | | | | | | | | | | |
| ES | EARTH WORKS / SITE WORKS | | | | | | | | | | | | | | | | | |
| ES.1 | Demolition of Existing Structure * Demolition of existing Building (Old Admin Building) * Includes Hauling of Materials * All salvage materials shall be returned to RGHMC | lot | 1.00 | | | | | | | | | | | | | | | |
| ES.2 | Structural Excavation w/ Hauling * Note that the water table is 1.5 meter below Basement 2 level * Includes dewatering to prevent flooding during construction | cu.m | 2,625.00 | | | | | | | | | | | | | | | |
| ES.3 | Embankment / Backfilling and Compaction | cu.m | 945.00 | | | | | | | | | | | | | | | |
| ES.4 | Gravel Bedding (G-1) | cu.m | 50.00 | | | | | | | | | | | | | | | |
| | sub-total | | | | | | | | | | | | | | | | | |
| S | STRUCTURAL WORKS | | | | | | | | | | | | | | | | | |
| S.1 | FOUNDATION | | | | | | | | | | | | | | | | | |
| S.1.1 | Lean Concrete (2000 PSI @ 28 days, pouring, curing) | cu.m | 47.00 | | | | | | | | | | | | | | | |
| S.1.2 | Structural Concrete (3500 PSI @ 28 days, pouring, curing) | cu.m | 840.00 | | | | | | | | | | | | | | | |
| S.1.3 | Reinforcing Bars (Grade 60, Fabrication, Installation) | kgs | 75,348.00 | | | | | | | | | | | | | | | |
| S.1.4 | Formworks and Falseworks (Fabrication, Installation, and Stripping) | sq.m | 306.00 | | | | | | | | | | | | | | | |
| S.1.5 | 600 mm Diameter RC PILES (Cast in Drilled Holes) * Includes Drilling, Excavation, Pile Reinforcement, Concreting, etc | ln.m. | 265.00 | | | | | | | | | | | | | | | |
| S.2 | ELEVATOR SHAFT / SHEAR WALL / RETAINING WALL | | | | | | | | | | | | | | | | | |
| S.2.1 | Structural Concrete (3500 PSI @ 28 days, pouring, curing) | cu.m | 248.00 | | | | | | | | | | | | | | | |
| S.2.1.1 | Exterior Slope Protection (Retaining Wall) | cu.m | 126.00 | | | | | | | | | | | | | | | |
| S.2.1.2 | Foundation to to Basement 2 Floor Level | cu.m | 10.00 | | | | | | | | | | | | | | | |
| S.2.1.3 | Basement 2 Floor to Basement 1 Floor Level | cu.m | 28.00 | | | | | | | | | | | | | | | |
| S.2.1.4 | Basement 1 Floor to Ground Floor Level | cu.m | 28.00 | | | | | | | | | | | | | | | |
| S.2.1.5 | Ground Floor to Second Floor Level | cu.m | 28.00 | | | | | | | | | | | | | | | |
| S.2.1.6 | Second Floor to Third Floor Level | cu.m | 28.00 | | | | | | | | | | | | | | | |
| S.2.2 | Reinforcing Bars (Grade 60, Fabrication, Installation) | kgs | 46,695.00 | | | | | | | | | | | | | | | |
| S.2.2.1 | Exterior Slope Protection (Retaining Wall) | kgs | 16,721.00 | | | | | | | | | | | | | | | |
| S.2.2.2 | Foundation to to Basement 2 Floor Level | kgs | 5,519.00 | | | | | | | | | | | | | | | |
| S.2.2.3 | Basement 2 Floor to Basement 1 Floor Level | kgs | 6,477.00 | | | | | | | | | | | | | | | |
| S.2.2.4 | Basement 1 Floor to Ground Floor Level | kgs | 5,526.00 | | | | | | | | | | | | | | | |
| S.2.2.5 | Ground Floor to Second Floor Level | kgs | 5,226.00 | | | | | | | | | | | | | | | |
| S.2.2.6 | Second Floor to Third Floor Level | kgs | 5,226.00 | | | | | | | | | | | | | | | |
| S.2.2.7 | Third Floor to Fourth Floor Level | kgs | 2,000.00 | | | | | | | | | | | | | | | |

(NAME AND SIGNATURE OF AUTHORIZED REPRESENTATIVE)
 Company Authorized Representative
 (COMPANY NAME)

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BILL OF QUANTITIES

| Item No. | DESCRIPTION | UNIT | QTY | MATERIALS | | LABOR | | EQUIPMENT | | ESTIMATED DIRECT COST | MARK-UPS IN % | | TOTAL MARK-UP | | TOTAL INDIRECT COST | TOTAL COST | TOTAL UNIT COST | |
|--------------|---|-------------|------------------|-----------|------------------|-----------|------------------|-----------|------------------|-----------------------|---------------|-----|------------------|-------------------|-----------------------|--------------------|-------------------|-------------------|
| | | | | UNIT COST | TOTAL COST | UNIT COST | TOTAL COST | UNIT COST | TOTAL COST | | PROFIT | OCM | % | VALUE | | | | VAT |
| (1) | (2) | | (3) | (4a) | (4) = (4a) x (3) | (5a) | (5) = (5a) x (3) | (6a) | (6) = (6a) x (3) | (7) = (4) + (5) + (6) | (8) | (9) | (10) = (8) + (9) | (11) = (10) X (7) | (12) = % [(7) + (11)] | (13) = (11) + (12) | (14) = (7) + (13) | (15) = (14) / (3) |
| S.2.3 | Reinforcing Bars (Grade 40, Fabrication, Installation) | kgs | 4,202.00 | | | | | | | | | | | | | | | |
| S.2.3.1 | Exterior Slope Protection (Retaining Wall) | kgs | 310.00 | | | | | | | | | | | | | | | |
| S.2.3.2 | Foundation to to Basement 2 Floor Level | kgs | 300.00 | | | | | | | | | | | | | | | |
| S.2.3.3 | Basement 2 Floor to Basement 1 Floor Level | kgs | 898.00 | | | | | | | | | | | | | | | |
| S.2.3.4 | Basement 1 Floor to Ground Floor Level | kgs | 898.00 | | | | | | | | | | | | | | | |
| S.2.3.5 | Ground Floor to Second Floor Level | kgs | 898.00 | | | | | | | | | | | | | | | |
| S.2.3.6 | Second Floor to Third Floor Level | kgs | 898.00 | | | | | | | | | | | | | | | |
| S.2.4 | Formworks and Falseworks (Fabrication, Installation, and Stripping) | sq.m | 1,666.00 | | | | | | | | | | | | | | | |
| S.2.4.1 | Exterior Slope Protection (Retaining Wall) | sq.m | 320.00 | | | | | | | | | | | | | | | |
| S.2.4.2 | Foundation to to Basement 2 Floor Level | sq.m | 230.00 | | | | | | | | | | | | | | | |
| S.2.4.3 | Basement 2 Floor to Basement 1 Floor Level | sq.m | 279.00 | | | | | | | | | | | | | | | |
| S.2.4.4 | Basement 1 Floor to Ground Floor Level | sq.m | 279.00 | | | | | | | | | | | | | | | |
| S.2.4.5 | Ground Floor to Second Floor Level | sq.m | 279.00 | | | | | | | | | | | | | | | |
| S.2.4.6 | Second Floor to Third Floor Level | sq.m | 279.00 | | | | | | | | | | | | | | | |
| S.3 | RC COLUMNS | | | | | | | | | | | | | | | | | |
| S.3.1 | Structural Concrete (3500 PSI @ 28 days.pouring, curing) | cu.m | 218.00 | | | | | | | | | | | | | | | |
| S.3.1.1 | Foundation to Basement 2 Floor Level | cu.m | 18.00 | | | | | | | | | | | | | | | |
| S.3.1.2 | Basement 2 Floor to Basement 1 Floor Level | cu.m | 51.00 | | | | | | | | | | | | | | | |
| S.3.1.3 | Basement 1 Floor to Ground Floor Level | cu.m | 51.00 | | | | | | | | | | | | | | | |
| S.3.1.4 | Ground Floor to Second Floor Level | cu.m | 51.00 | | | | | | | | | | | | | | | |
| S.3.1.5 | Second Floor to Third Floor Level | cu.m | 47.00 | | | | | | | | | | | | | | | |
| S.3.2 | Reinforcing Bars (Grade 60, Fabrication, Installation) | kgs | 63,741.00 | | | | | | | | | | | | | | | |
| S.3.2.1 | Foundation to Basement 2 Floor Level | kgs | 4,494.00 | | | | | | | | | | | | | | | |
| S.3.2.2 | Basement 2 Floor to Basement 1 Floor Level | kgs | 13,500.00 | | | | | | | | | | | | | | | |
| S.3.2.3 | Basement 1 Floor to Ground Floor Level | kgs | 13,417.00 | | | | | | | | | | | | | | | |
| S.3.2.4 | Ground Floor to Second Floor Level | kgs | 13,500.00 | | | | | | | | | | | | | | | |
| S.3.2.5 | Second Floor to Third Floor Level | kgs | 12,830.00 | | | | | | | | | | | | | | | |
| S.3.2.6 | Third Floor to Fourth Floor Level | kgs | 6,000.00 | | | | | | | | | | | | | | | |
| S.3.3 | Reinforcing Bars (Grade 40, Fabrication, Installation) | kgs | 20,834.00 | | | | | | | | | | | | | | | |
| S.3.3.1 | Foundation to Basement 2 Floor Level | kgs | 1,548.00 | | | | | | | | | | | | | | | |
| S.3.3.2 | Basement 2 Floor to Basement 1 Floor Level | kgs | 4,881.00 | | | | | | | | | | | | | | | |
| S.3.3.3 | Basement 1 Floor to Ground Floor Level | kgs | 4,643.00 | | | | | | | | | | | | | | | |
| S.3.3.4 | Ground Floor to Second Floor Level | kgs | 4,881.00 | | | | | | | | | | | | | | | |
| S.3.3.5 | Second Floor to Third Floor Level | kgs | 4,881.00 | | | | | | | | | | | | | | | |
| S.3.4 | Formworks and Falseworks (Fabrication, Installation, and Stripping) | sq.m | 423.00 | | | | | | | | | | | | | | | |
| S.3.4.1 | Foundation to Basement 2 Floor Level | sq.m | 32.00 | | | | | | | | | | | | | | | |
| S.3.4.2 | Basement 2 Floor to Basement 1 Floor Level | sq.m | 96.00 | | | | | | | | | | | | | | | |
| S.3.4.3 | Basement 1 Floor to Ground Floor Level | sq.m | 96.00 | | | | | | | | | | | | | | | |
| S.3.4.4 | Ground Floor to Second Floor Level | sq.m | 103.00 | | | | | | | | | | | | | | | |
| S.3.4.5 | Second Floor to Third Floor Level | sq.m | 96.00 | | | | | | | | | | | | | | | |
| S.4 | RC BEAMS | | | | | | | | | | | | | | | | | |
| S.4.1 | Structural Concrete (3500 PSI @ 28 days.pouring, curing) | cu.m | 224.00 | | | | | | | | | | | | | | | |
| S.4.1.1 | Basement 2 Floor Level | cu.m | 3.00 | | | | | | | | | | | | | | | |
| S.4.1.2 | Basement 1 Floor Level | cu.m | 54.00 | | | | | | | | | | | | | | | |
| S.4.1.3 | Ground Floor Level (including Ramp) | cu.m | 59.00 | | | | | | | | | | | | | | | |
| S.4.1.4 | Second Floor Level | cu.m | 54.00 | | | | | | | | | | | | | | | |
| S.4.1.5 | Third Floor Level | cu.m | 54.00 | | | | | | | | | | | | | | | |
| S.4.2 | Reinforcing Bars (Grade 60, Fabrication, Installation) | kgs | 41,657.91 | | | | | | | | | | | | | | | |
| S.4.2.1 | Basement 2 Floor Level | kgs | 520.00 | | | | | | | | | | | | | | | |
| S.4.2.2 | Basement 1 Floor Level | kgs | 9,998.00 | | | | | | | | | | | | | | | |
| S.4.2.3 | Ground Floor Level (including Ramp) | kgs | 10,497.91 | | | | | | | | | | | | | | | |
| S.4.2.4 | Second Floor Level | kgs | 10,321.00 | | | | | | | | | | | | | | | |
| S.4.2.5 | Third Floor Level | kgs | 10,321.00 | | | | | | | | | | | | | | | |
| S.4.3 | Reinforcing Bars (Grade 40, Fabrication, Installation) | kgs | 6,265.00 | | | | | | | | | | | | | | | |
| S.4.3.1 | Basement 2 Floor Level | kgs | 201.00 | | | | | | | | | | | | | | | |
| S.4.3.2 | Basement 1 Floor Level | kgs | 1,212.00 | | | | | | | | | | | | | | | |
| S.4.3.3 | Ground Floor Level (including Ramp) | kgs | 1,452.00 | | | | | | | | | | | | | | | |
| S.4.3.4 | Second Floor Level | kgs | 1,700.00 | | | | | | | | | | | | | | | |
| S.4.3.5 | Third Floor Level | kgs | 1,700.00 | | | | | | | | | | | | | | | |
| S.4.4 | Formworks and Falseworks (Fabrication, Installation, and Stripping) | sq.m | 642.00 | | | | | | | | | | | | | | | |
| S.4.4.1 | Basement 1 Floor Level | sq.m | 66.00 | | | | | | | | | | | | | | | |
| S.4.4.2 | Ground Floor Level (including Ramp) | sq.m | 192.00 | | | | | | | | | | | | | | | |

(NAME AND SIGNATURE OF AUTHORIZED REPRESENTATIVE)
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PROPOSED 5-STOREY W/ 2-BASEMENT DIAGNOSTIC BUILDING PHASE I

BILL OF QUANTITIES

| Item No. | DESCRIPTION | UNIT | QTY | MATERIALS | | LABOR | | EQUIPMENT | | ESTIMATED DIRECT COST | MARK-UPS IN % | | TOTAL MARK-UP | | TOTAL INDIRECT COST | TOTAL COST | TOTAL UNIT COST | |
|--------------|---|-------------|------------------|-----------|------------------|-----------|------------------|-----------|------------------|-----------------------|---------------|-----|------------------|-------------------|-----------------------|--------------------|-------------------|-------------------|
| | | | | UNIT COST | TOTAL COST | UNIT COST | TOTAL COST | UNIT COST | TOTAL COST | | PROFIT | OCM | % | VALUE | | | | VAT |
| (1) | (2) | | (3) | (4a) | (4) = (4a) x (3) | (5a) | (5) = (5a) x (3) | (6a) | (6) = (6a) x (3) | (7) = (4) + (5) + (6) | (8) | (9) | (10) = (8) + (9) | (11) = (10) X (7) | (12) = % [(7) + (11)] | (13) = (11) + (12) | (14) = (7) + (13) | (15) = (14) / (3) |
| S.4.4.3 | Second Floor Level | sq.m | 192.00 | | | | | | | | | | | | | | | |
| S.4.4.4 | Third Floor Level | sq.m | 192.00 | | | | | | | | | | | | | | | |
| S.5 | RC SLAB | | | | | | | | | | | | | | | | | |
| S.5.1 | Structural Concrete (3500 PSI @ 28 days.pouring, curing) | cu.m | 305.00 | | | | | | | | | | | | | | | |
| S.5.1.1 | Basement 1 Floor Level | cu.m | 73.00 | | | | | | | | | | | | | | | |
| S.5.1.2 | Ground Floor Level (Including Ramp) | cu.m | 86.00 | | | | | | | | | | | | | | | |
| S.5.1.3 | Second Floor Level | cu.m | 73.00 | | | | | | | | | | | | | | | |
| S.5.1.4 | Third Floor Level | cu.m | 73.00 | | | | | | | | | | | | | | | |
| S.5.2 | Reinforcing Bars (Grade 40, Fabrication, Installation) | kgs | 53,720.00 | | | | | | | | | | | | | | | |
| S.5.2.1 | Basement 1 Floor Level | kgs | 13,131.00 | | | | | | | | | | | | | | | |
| S.5.2.2 | Ground Floor Level (Including Ramp) | kgs | 14,327.00 | | | | | | | | | | | | | | | |
| S.5.2.3 | Second Floor Level | kgs | 13,131.00 | | | | | | | | | | | | | | | |
| S.5.2.4 | Third Floor Level | kgs | 13,131.00 | | | | | | | | | | | | | | | |
| S.5.3 | Metal Decking (1.2mm thk) | sq.m | 2,380.00 | | | | | | | | | | | | | | | |
| | (1.2mm thk, Feed Web: 1220mm, Fy>275MPa) | | | | | | | | | | | | | | | | | |
| S.5.3.1 | Basement 1 Floor Level | sq.m | 609.00 | | | | | | | | | | | | | | | |
| S.5.3.2 | Ground Floor Level (Including Ramp) | sq.m | 609.00 | | | | | | | | | | | | | | | |
| S.5.3.3 | Second Floor Level | sq.m | 581.00 | | | | | | | | | | | | | | | |
| S.5.3.4 | Third Floor Level | sq.m | 581.00 | | | | | | | | | | | | | | | |
| S.6 | RCSTAIRS | | | | | | | | | | | | | | | | | |
| S.6.1 | Structural Concrete (3500 PSI @ 28 days.pouring, curing) | cu.m | 56.00 | | | | | | | | | | | | | | | |
| S.6.1.1 | Foundation to Basement 2 Floor Level | cu.m | 3.00 | | | | | | | | | | | | | | | |
| S.6.1.2 | Basement 2 Floor to Basement 1 Floor Level | cu.m | 3.00 | | | | | | | | | | | | | | | |
| S.6.1.3 | Basement 1 Floor to Ground Floor Level | cu.m | 16.00 | | | | | | | | | | | | | | | |
| S.6.1.4 | Ground Floor to Second Floor Level | cu.m | 18.00 | | | | | | | | | | | | | | | |
| S.6.1.5 | Second Floor to Third Floor Level | cu.m | 16.00 | | | | | | | | | | | | | | | |
| S.6.2 | Reinforcing Bars (Grade 60, Fabrication, Installation) | kgs | 1,046.00 | | | | | | | | | | | | | | | |
| S.6.2.1 | Foundation to Basement 2 Floor Level | kgs | 100.00 | | | | | | | | | | | | | | | |
| S.6.2.2 | Basement 2 Floor to Basement 1 Floor Level | kgs | 276.00 | | | | | | | | | | | | | | | |
| S.6.2.3 | Basement 1 Floor to Ground Floor Level | kgs | 118.00 | | | | | | | | | | | | | | | |
| S.6.2.4 | Ground Floor to Second Floor Level | kgs | 276.00 | | | | | | | | | | | | | | | |
| S.6.2.5 | Second Floor to Third Floor Level | kgs | 276.00 | | | | | | | | | | | | | | | |
| S.6.2 | Reinforcing Bars (Grade 40, Fabrication, Installation) | kgs | 6,754.00 | | | | | | | | | | | | | | | |
| S.6.2.1 | Foundation to Basement 2 Floor Level | kgs | 1,000.00 | | | | | | | | | | | | | | | |
| S.6.2.2 | Basement 2 to Basement 1 Floor Level | kgs | 1,487.00 | | | | | | | | | | | | | | | |
| S.6.2.3 | Basement 1 Floor to Ground Floor Level | kgs | 1,390.00 | | | | | | | | | | | | | | | |
| S.6.2.4 | Ground Floor to Second Floor Level | kgs | 1,487.00 | | | | | | | | | | | | | | | |
| S.6.2.5 | Second Floor to Third Floor Level | kgs | 1,390.00 | | | | | | | | | | | | | | | |
| S.6.3 | Formworks and Falseworks (Fabrication, Installation, and Stripping) | sq.m | 178.00 | | | | | | | | | | | | | | | |
| S.6.3.1 | Foundation to Basement 2 Floor Level | sq.m | 10.00 | | | | | | | | | | | | | | | |
| S.6.3.2 | Basement 2 to Basement 1 Floor Level | sq.m | 42.00 | | | | | | | | | | | | | | | |
| S.6.3.3 | Basement 1 Floor to Ground Floor Level | sq.m | 42.00 | | | | | | | | | | | | | | | |
| S.6.3.4 | Ground Floor to Second Floor Level | sq.m | 42.00 | | | | | | | | | | | | | | | |
| S.6.3.5 | Second Floor to Third Floor Level | sq.m | 42.00 | | | | | | | | | | | | | | | |
| | sub-total | | | | | | | | | | | | | | | | | |
| | TOTAL | | | | | | | | | | | | | | | | | |

INSTRUCTIONS TO BIDDERS

*Testing of materials and systems must be included within the unit cost of each items.

*Part of this Bill of quantities is the Plans, and Technical specifications

* Do not remove / omit / reduce items

* Follow computation format provided

* Do not fill-up darken " " portions

* All pages must be signed by the bidder's authorized representative

(NAME AND SIGNATURE OF AUTHORIZED REPRESENTATIVE)
 Company Authorized Representative
 (COMPANY NAME)