



1 Standard Form Number : SF-INFR-34

SUPPLEMENTAL / BID BULLETIN (SBB)

ADDENDUM NO. 01

7 This SBB Addendum No. 01 dated February 23, 2018 for the Project, **Construction of Four Storey Academic Building- Phase II-Bulanao Campus** is issued to clarify, modify or amend items
 8 in the Bidding Documents. Accordingly, this shall form an integral part of said Documents.

| PARTICULARS | CLARIFICATION / AMENDMENT | |
|---|--------------------------------|-----------------|
| Contract Duration, regardless of Contract Effectivity, is hereby reiterated to be finished on or before December 31, 2018 based on NBC No. 573 dated January 3, 2018 or the Guidelines on the Release of Funds for FY 2018. | | |
| Under ITB Clause 12.1(b)(iii.3) of the Bid Data Sheet, page 34 of the Bid Documents, the following are the items revised: | | |
| Equipment | Capacity | Number of Units |
| Chemical Spray Equipment | | 3 1 |
| Transit Mixer/ One-bagger concrete mixer | 2 cu.m. (transit mixer) | 1 |
| Pump Crete/ Porta-lift | | 1 |
| Under Item No. XI - Scope and Coverage of the Project with Specifications, pages 72 onwards of the Bid Documents, the following are the revisions: | | |

REVISED SCOPE OF WORKS FOR THE CONSTRUCTION OF FOUR STOREY ACADEMIC BUILDING- PHASE II-BULANA0 CAMPUS *(Strikethrough = deleted, in yellow color = addendum)*

| ITEM No. | ITEMS OF WORK | QTY | UNIT | SCOPE OF WORKS |
|----------|---|----------|--------|---|
| 103(1)a | STRUCTURE EXCAVATION | 407.83 | cu. m. | -covers item @ grid A'-B and 1-5 at ground floor specified in the plan includes excavation of Matt Footing |
| 804(1)a | EMBANKMENT (Selected Fill Materials above Grade) | 1,149.77 | cu. m. | -covers item @ grid A'-K and 1-5 at ground floor specified in the plan includes backfilling of excavated materials includes backfilling of sand @ 15m to the left from the face of column @ grid A and 5m each in front and rear side of the building from the face of column @ grid 1 and grid 5 respectively . |
| 804 (4) | GRAVEL FILL FOR FOUNDATION | 14.56 | cu.m. | -covers item @ grid A'-B and 1-5 @ground floor specified in the plan includes gravel fill for Matt Footing |
| 1000(1) | TERMITE CONTROL WORK (Soil Poisoning) | 511.32 | sq. m. | -covers item @ grid A'-Land 1-5 at ground floor specified in the plan -specs are as follows: 1. Lentrex Soil poisoning solution (preferably Lentrex) |
| 900(1)a1 | STRUCTURE CONCRETE Class "A" | 749.09 | cu. m. | -all concrete shall be class A = fc' ≥ 21 Mpa |
| | a. Column Footings | | | -covers item @ grid A'-B and 1-5 at ground floor |
| | b. Columns (from footing to 2nd floor) | | | -covers item @ grid A'-B and 1-5 (height = 8.25m) |
| | c. Columns (from 2nd floor to 4th floor) | | | -covers item @ grid A'-X and 1-5 (height = 6.4m) |
| | e. Wall Footing | | | -covers item @ grid A'-C and 1-5 at ground floor |
| | f. Tie Beams | | | -covers item @ grid A'-C and 1-5 at ground floor |
| | g. Slab on Fill | | | -covers item @ grid A'-L and 1-5 at ground floor |
| | h. Second floor Slab | | | -covers item @ grid A'-J at 2nd floor |
| | h. Third floor Slab | | | -covers item @ grid A'-X |
| | i. Stair 1 and landing | | | -covers item @ grid J-K and L-M |
| | j. Stair 2 | | | -covers item @ grid A-B' |
| | k. Stair 3 | | | -covers item @ grid A'-B and J-K |



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| ITEM No. | ITEMS OF WORK | QTY | UNIT | SCOPE OF WORKS |
|----------|---------------------------|------------|--------|--|
| | l. Ramp | | | -covers item @ grid I-J |
| | m. LBW-1 | | | -covers item @ grid B' (4-5) |
| | n. Shear Wall | | | -covers shear @ grid B (1-3) |
| | o. counter slab | | | -covers item @ male CR @ ground floor and both male and female @ second floor |
| | p. canopy | | | -covers item @ grid 1 (A-K) and grid A (2-3) @ ground floor -covers item @ grid 1 (A-W) and grid A & W (2-3) @ Second floor |
| | q. lintel beam | | | -covers item @ grid 1 (A-K) and grid A (2-3) @ ground floor -covers item @ grid 1 (A-W) and grid A & W (2-3) @ Second floor |
| | r. Forms and Scaffoldings | | | - it is suggested that the staging and scaffoldings should be lumbers. '-specs are as follows: *portland cement (preferably Portland) *sand *gravel 1" *1/2" thk. plywood *form lumbers *lumber scaffoldings *common wire nails (assorted) |
| | s. Septic tank | | | specified in plan |
| 902(1) | REINFORCING STEEL BARS | 138,141.07 | kgs. | -all reinforcing bars shall be grade 60 fy≥414 Mpa and grade 40 fy≥275 |
| 1046(2) | CHB NON LOAD BEARING | 1,623.45 | sq.m. | -covers item @ grid A'-K and 1-5 from ground floor - covers item @ grid A'-X at second floor level specified in the plan -covers item @ grid A'-C below tie beam (perimeter wall only) -perimeter walls should be 6" thick CHB -stairs and ramps should be 6" thick CHB -interior walls and other CHB walls are 4" thick -specs are as follows: *6" thk. CHB *4" thk. CHB *sand *cement *10mm dia RSB grade 60 *no. 16 GI tie wire |
| 1027 | CEMENT PLASTER FINISH | 1,879.92 | sq.m. | -covers item @ grid A'-K and 1-5 specified in the plan (ground floor exterior and interior) -covers item @ grid A'-X and 1-5 specified in the plan (Second floor exterior and interior) -includes partition walls, beams, columns, stairs and slabs |
| 1018 | TILING FINISHING WORKS | 1,349.32 | sq.m. | -covers item @ grid A-W @ ground and second floor specified in the plan (classroom floors, CR walls and floors) -specs are as follows: 600x600mm Granite Floor Tiles (preferably Granite) 600x600mm glazed Granite Floor Tiles (preferably Granite) 600x600mm Unglazed Granite Floor Tiles (preferably Granite) -portland cement (preferably Portland) Tile grout sand |
| 1010(2) | WOOD DOOR | 113.78 | sq. m. | -covers item @ grid A'-X and 1-5 specified in the plan '-specs are as follows: D1-2150x1000mm Narra Panel Door w/ Woodstain Finish w/ 2"x6" Narra Wood Jamb w/ Woodstain Finished. D3-2150x900mm Narra Panel Door w/ Woodstain Finish w/ 2"x6" Narra Wood |



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| ITEM No. | ITEMS OF WORK | QTY | UNIT | SCOPE OF WORKS |
|----------|---------------------------|--------------------------|-------|---|
| | | | | Jamb w/ Woodstain Finished. |
| | | | | D3a-2150x900mm Narra Panel Door w/ |
| | | | | Woodstain Finish w/ 2"x6" Narra Wood |
| | | | | D4-2150x1000mm Flush Door w/ |
| | | | | Woodstain Finish & 2"x6" Narra Wood |
| | | | | Jamb w/ Woodstain Finished. |
| | | | | D5-2150x1000mm Flush Door w/ |
| | | | | Woodstain Finish & 2"x6" Narra Wood |
| | | | | Jamb w/ Woodstain Finished. |
| | | | | D7-1850x700mm Flush Door w/ |
| | | | | Woodstain Finish & 2"x6" Narra Wood |
| | | | | Jamb w/ Woodstain Finished. |
| | | | | Cylindrical Doorlockset |
| | | | | loose pin hinges x 100 |
| | | | | CW nails x 100 |
| 1005(6) | STEEL WINDOW | 64.00 | pcs | -covers item @ grid A-X and 1-5 specified in the plan |
| | | | | -specs are as follows: |
| | | | | W1-3000X1500mm Primer and Enamel Prepainted Steel Casement |
| | | | | Window w/ 6mm Thick Clear Glass (Butterfly) |
| | | | | W2-2400X600mm Primer and Enamel Prepainted Steel Casement |
| | | | | Window w/ 6mm Thick Clear Glass (Butterfly) |
| | | | | W2b-1200X600mm Primer and Enamel Prepainted Steel Casement |
| | | | | Window w/ 6mm Thick Clear Glass (Butterfly) |
| | | | | W4-1200X800mm Primer and Enamel Prepainted Steel Casement |
| | | | | Window w/ 6mm Thick Clear Glass (Butterfly) |
| | | | | W5-1000X800mm Primer and Enamel Prepainted Steel Casement |
| | | | | Window w/ 6mm Thick Clear Glass (Butterfly) |
| | | | | W6-3000X500mm Primer and Enamel Prepainted Steel Casement |
| | | | | Window w/ 6mm Thick Clear Glass (Butterfly) |
| | | | | W7-600X500mm Primer and Enamel Prepainted Steel Casement |
| | | | | Window w/ 6mm Thick Clear Glass (Butterfly) |
| | | | | W8-600X400mm Primer and Enamel Prepainted Steel Casement |
| | | | | Window w/ 6mm Thick Clear Glass (Butterfly) |
| 1008(1)b | ALUMINUM WINDOW | 10.00 | pcs | -covers item @ grid A-X and 1-5 specified in the plan |
| | | | | -specs are as follows: |
| | | | | W2a-2000X1500mm 6mm Analok Glass on |
| | | | | Aluminum Frame w/ grills |
| | | | | W3-1500X1200mm 6mm Analok Glass on |
| | | | | Aluminum Frame w/ grills |
| | | | | W10-3184X1250mm Tubular Casement Window w/ grills |
| 1002(2) | PLUMBING WORKS (Rough-in) | 441.00 369.20 | In.m. | -covers item @ grid A'-K and 1-5 specified in the plan @ ground floor |
| | | | | -covers item @ grid A'-X and 1-5 specified in the plan @ second floor |
| | | | | -specs are as follows: |
| | | | | Ø100mm x 3.0m uPVC Sanimold Pipe |
| | | | | Ø75mm x 3.0m uPVC Sanimold Pipe |
| | | | | Ø50mm x 3.0m uPVC Sanimold Pipe |
| | | | | Ø100mm x Ø110mm Single Branch uPVC Sanimold WYE |
| | | | | Ø100mm x Ø50mm Single Branch uPVC Sanimold WYE |
| | | | | Ø50mm x Ø50mm Single Branch uPVC Sanimold WYE |
| | | | | Ø100mm uPVC Sanimold Cleanout w/ Plug |
| | | | | Ø50mm uPVC Sanimold Cleanout w/ Plug |
| | | | | Ø100 mm uPVC Sanimold 1/8 Bend Elbow |
| | | | | Ø50 mm uPVC Sanimold 1/8 Bend Elbow |
| | | | | Ø100mm x Ø 50mm uPVC Sanimold TEE |



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| ITEM No. | ITEMS OF WORK | QTY | UNIT | SCOPE OF WORKS |
|----------|---------------------------------|---------------|--------|--|
| | | | | Ø100mm uPVC Sanimold P-Trap w/ Plug |
| | | | | Ø50mm uPVC Sanimold P-Trap w/ Plug |
| | | | | Solvent Cement (400cc/can) |
| | | | | moldex PVC pipe S-1000 x 100mm dia. X 3m |
| | | | | sanitary tee 87.50 deg. X 100mm dia. |
| | | | | clean out 100mm dia |
| 1002(28) | WATER SUPPLY PIPES AND FITTINGS | 240.00 485.00 | In.m | -covers item @ grid A'-K and 1-5 specified in the plan @ ground floor -covers item @ grid A'-X and 1-5 specified in the plan @ second floor -specs are as follows: *PPR-Pipe 1" dia. X 3m *PPR-Pipe 1/2" dia. X 3m *PPR-Pipe Coupling Reducer 1" X 1/2" dia. *PPR-Pipe Elbow 1" dia. *PPR-Pipe Elbow 1/2" dia. *PPR-Pipe TEE 1/2" dia. *PPR- Pipe Female Adapter 1/2" dia. *PPR- Pipe Male Adapter 1/2" dia. *G.I- Pipe 1/2" dia Gate valve *G.I- Pipe 1" dia Gate valve *Solvent Cement 1/4 lits *Teflon Tape B/S |
| 1002(8) | PLUMBING AND SANITARY FIXTURES | 237.00 | sets | -covers item @ grid A'-K and 1-5 specified in the plan @ ground floor -covers item @ grid A'-X and 1-5 specified in the plan @ second floor -specs are as follows: HCG Close-Coupled Water Closet & Acc's HCG Lavatory (Wall Hung) incl Faucet & Acc's. HCG Lavatory (countertop)incl Faucet & Acc's HCG Urinal & Acc's 100x100mm Stainless Floor Drain Hygienic Faucet SS Hose bibb faucet SS Grab 30mm dia. HCG Stainless Kitchen Sink incl Faucet & Acc's HCG Tissue Holder w/ Acc's |
| 1201(9)a | STAINLESS OVERHEAD WATER TANK | 4.00 | sets | -specs are as follows: Elevated Water Tank, Potable, 2000 Liters Cap., Stainless Steel Gate valve 25mm dia. |
| 1100 | ELECTRICAL WORKS | 236.00 | outlet | -covers item @ grid A'-K and 1-5 specified in the plan @ ground floor -covers item @ grid A'-X and 1-5 specified in the plan @ second floor -specs are as follows: a. Lighting outlet |
| | | 106.00 | pieces | 1. 2.0 mm ² THHN Stranded Wire (ISO Certified) 2. PVC conduit, 15mm PVC adapter with lacknut, 15mm Elbow, 15mm 3. Utility Box (50 x 100 Moldflex) 4. Junction Box (Octagonal) 5. Flourescent fixture surface type w/ aluminum reflector 2x40w 6. Single Pole Switch (Wide Series) 7. Two Gang Switch (Wide-Series) 8. Three way Switch (Wide-Series) 9. Electrical Tape B/S 10. Heavy duty Twin head emergency lamp 11. Emergency light one gang outlet set 12. Outdoor wall lamp (warm white) 13. 150mm dia recessed pinlight with 230Vcompact fluorescent lamp similar to "Philips" PL-18, including accessories - Daylight |



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| ITEM No. | ITEMS OF WORK | QTY | UNIT | SCOPE OF WORKS |
|----------|----------------------------|-------|--------|---|
| | b. Power outlet | 55.00 | pieces | 1. 3.5mm ² THHN Stranded Wire (ISO Certified) 2.0 mm ² THHN Stranded Wire (ISO Certified) |
| | | | | 2. PVC conduit, 20mm PVC adapter with lacknut, 20mm PVC elbow, 20mm |
| | | | | 3. Utility Box (50 x 100 Moldflex) |
| | | | | 4. Two Gang universal Outlet w/ ground Set Convenience outlet, 16A Duplex, 3prong, 250V |
| | | | | 5. Electrical Tape B/S |
| | c. Appliance Outlet | | | 1.5.5 mm ² THHN Stranded Wire (ISO Certified) 3.5mm ² THHN Stranded Wire (ISO Certified) 2.0 mm ² THHN Stranded Wire (ISO Certified) |
| | | | | 2. PVC conduit, 25mm PVC adapter with lacknut, 25mm PVC elbow, 25mm PVC conduit, 20mm PVC adapter with lacknut, 20mm PVC elbow, 20mm |
| | | | | 3. Utility Box (2 x 4" Moldflex) |
| | | | | 4. Junction Box (Octagonal) |
| | | | | 4. Aircon outlet set |
| | | | | 5. Electrical Tape B/S |
| | | | | 6. 4.0HP 1.5HP Aircon Unit split- Type |
| | | | | 7. Ceiling Fan, 3D (Standard) orbit type, 16" diameter, steel blade |
| | e d. Main Protection | 1.00 | outlet | 1. Manual Transfer Switch (MTS), with 400AT (gen side), 400AT (utility side), 3P, 240V |
| | | | | 2. Main Distribution Panel, 6 branches, 3P CB |
| | | | | 3. 400AT/400 500AF 3P, Industrial MCCB bolt-on type, 230V |
| | | | | 4. 400 90AT/100AF 3P, Industrial MCCB bolt-on type, 230V |
| | | | | 6 5. 60AT/100AF 3P, Industrial MCCB bolt-on Type, 230V |
| | | | | 7 6. 250mm sq THHN wire |
| | | | | 8 7. 100mm sq THHN wire |
| | | | | 9 8. Secondary rack, 4 wire assembly |
| | | | | 40 9. 90 100mm dia PVC pipe RSC conduit |
| | | | | 10. Terminal Lugs for 250mm ² wire, Crimp Type with bolt & nut |
| | | | | 11. Terminal Lugs for 100mm ² wire, Crimp Type with bolt & nut |
| | | | | 12. Terminal Lugs for 30mm ² wire, Crimp Type with bolt & nut |
| | | | | 13. Terminal Lugs for 14mm ² wire, Crimp Type with bolt & nut |
| | | | | 14. Terminal Lugs for 8.0mm ² wire, Crimp Type with bolt & nut |
| | | | | 15. Terminal Lugs for 5.5mm ² wire, Crimp Type with bolt & nut |
| | | | | 16. Terminal Lugs for 3.5mm ² wire, Crimp Type with bolt & nut |
| | | | | 17. Terminal Lugs for 2.0mm ² wire, Crimp Type with bolt & nut |
| | d e. Sub-Feeder Protection | 1.00 | outlet | 1. 22mm ² 30mm ² THHN Stranded Wire (ISO Certified) 14mm ² 8.0mm ² THHN Stranded Wire (ISO Certified) |
| | | | | 2. PVC RSC conduit, 40mm dia |
| | | | | 3. Panel Board NEMA 3R, Center Tap (20 Branches), 3P flush mounted w/ multi-terminal block for ground bus |
| | | | | 4. Bolt-on Circuit Breakers 2P-15 Amp. Ckt. Breaker 2P-20 Amp. Ckt. Breaker 2P-30 Amp. Ckt. Breaker 3P-400 90 Amp. Ckt. Breaker, TQD |
| | | | | 5. Electrical Tape B/S HCG Liquid/ Soap Holder w/ Acc's |



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|----------|--|------------------------|---------|--|
| | GENERAL | | | |
| | a. Service entrance and metering | 1.00 | outlet | 1. Service Entrance Cap (90mm Dia.) 2. CT-rated kwhr meter, 400A:5A, with doughnut type CT and meter box, including calibration/application fee 3. 100mm dia RSC conduit 4. 100mm dia locknut and adapter 5. Pin Insulator 6. 90AT/100AF 3P, Industrial MCCB with NEMA 3R enclosure 7. 3 phase busbar enclosed in NEMA 3R enclosure, lugs and nuts ready |
| | b. Grounding | 4.00 | outlets | 1. 125mm sq bare copper conductor 2. Copper-Clad Ground Rod, 19mm dia., 3 m length 3. Thermo-Weld Mold Tee - Connection of 125 mm ² wire and 19 mmø ground rod (Conductor - Ground rod) 4. Thermo-Weld Powder, Weld Metal of 150 grams in Plastic Tube, (TEE Connection) 5. Flint gun |
| | c. Fire Alarm and Detection System Provision | 1.00 | lot | a. Roughing-ins PVC conduit, 20mm PVC adapter with lacknut, 20mm Flexible metal conduit 15mmØ 15mm Ø straight connector GA. 16 tie wire b. Boxes Junction Box Utility Box Square Box Fire alarm terminal box |
| 1003 | CARPENTRY WORKS | 16.00 12.00 | sets | -covers item @ classrooms specified in the plan |
| | A. Construction of Combo Board | 4.00 12.00 | sets | -specs are as follows: *Screw x 25 *Concrete nail x 75 *Lawanit 6mm x 1.20 x 2.40 *Marine plywood 6mm x 1.20 x 2.40 *Lumber 50 x 50 x 3.60 *Lumber 25 x 50 x 3.60 *CW Nail x 50 *CW nail x 25 *Chalkboard slating paint *Paint brush x 50 *QDE choco brown *Sand Paper *Paint thinner *Flat White |
| | B. PLATFORM | 4.00 12.00 | sets | *Marine Plywood 10mm x 1.20 x 2.40 *Lumber 50 x 75 x 3.60 *Lumber 50 x 50 x 3.60 *CW Nail x 75 *CW Nail x 50 *CW Nail x 25 *Boysen QDE Choco brown (preferably Boysen) *Paint Thinner |
| | C. TEACHER'S TABLE | 4.00 12.00 | sets | *Marine Plywood 10mm x 1.20 x 2.40 *Lumber 50 x 50 x 3.60 *Lumber 25 x 50 x 3.60 *Finishing Nail assorted |



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|----------|---|--------|--------|---|
| | | | | *Sandpaper |
| | | | | *Boysen QDE Choco brown (preferably Boysen) |
| | | | | *Paint Thinner |
| | D. WHITE BOARD | 4.00 | sets | *Fabricated White Board 1.2m x 1.2m |
| | | | | *hinges x 25 x 75 |
| SPL | MISCELLANEOUS WORKS | | | -covers item @ classrooms and hallways offices |
| | | | | -specs are as follows: |
| | | 417.00 | pieces | Uratex-Plastic Arm Chair M-3 (preferably Uratex) |
| | | 1.00 | set | Uratex Sofa Set (preferably Uratex) |
| | | 2.00 | pieces | 601 Executive Tables |
| | | 9.00 | sets | 1605 Office Tables |
| | | 1.00 | set | Meeting Tables |
| | | 2.00 | sets | Cx0300 Office Chairs |
| | | 2.00 | sets | C3569 Executive Chairs |
| | | 9.00 | sets | Steel Cabinet |
| B.7 | OCCUPATIONAL SAFETY AND HEALTH PROGRAMS | 1.00 | l.s | -covers safety equipment to be used during the construction |

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***NOTE: All the branded products stated in this Scope of Works (above) are used as “preference” only for accuracy and quality-based output of the project being bid out at hand.**

For guidance and information of all concerned.


 AMADO P. IMPER, PhD
 BAC Chairman

Date Issued: February 23, 2018

Copy furnished: Prospective Bidders