



## BIDS AND AWARDS COMMITTEE (BAC)

### SUPPLEMENTAL BID BULLETIN NO. 2022 – 003

February 09, 2022

This Supplemental Bid Bulletin No. 2022 – 003 is issued to amend the following Sections of the Bidding Documents for the “Establishment of Cacao Sensory and Isotope Laboratory”.

#### I. Changes in the Section I- Invitation to Bid item no. 1

FROM	AMENDMENTS/CHANGES
1. The Davao del Sur State College, through the Fund 101 intends to apply the sum of <b>Nine Million Pesos (Php 9,000,000.00)</b> being the Approved Budget for the Contract (ABC) to payments under the contract for <b>Establishment of Cacao Sensory and Isotope Laboratory/ DSSCPSU 2022-01-002</b> . Bids received in excess of the ABC shall be automatically rejected at bid opening.	1. The Davao del Sur State College through the FY 2022 General Appropriations Act <b>intends to apply the sum of P15, 000, 000.00 for the Establishment of Cacao Sensory and Isotope Laboratory. The amount of Nine Million Pesos (Php 9,000,000.00)</b> being the Approved Budget for the Contract (ABC) to payments under the contract for the <b>Establishment of Cacao Sensory Building and Isotope Laboratory/ DSSCPSU 2022-01-002</b> . Bids received in excess of the ABC shall be automatically rejected at bid opening.

#### II. Changes in the Section II- Instruction to Bidders item no. 2.2

FROM	AMENDMENTS/CHANGES
2. <b>Funding Information</b>  2.1 The GOP through the source of funding as indicated below for <b>2022</b> in the amount of <b>Nine Million Pesos (Php 9,000,000.00)</b>  2.2 The source of funding is:  <b>a) GOCC and GFIs, the Corporate Operating Budget.</b>	2. <b>Funding Information</b>  2.1 The GOP through the source of funding as indicated below for <b>2022</b> in the amount of <b>Nine Million Pesos (Php 9,000,000.00)</b>  2.2 The source of funding is:  <b>a. NGA, the General Appropriations Act or Special Appropriations.</b>

**III. Changes in the Parameters for the Section II Approved Budget for the Contract (ABC)**

FROM	AMENDMENTS/CHANGES
<p><b>II. Approved Budget for the Contract (ABC)</b>            The total Approved Budget for the Contract (ABC) of this Design and Build Project is Nine Million Pesos only (PhP 9, 000, 000.00). This are further partitioned into two building infrastructure</p> <ul style="list-style-type: none"> <li>● 205.37 sqm. Cacao Sensory Building: <del>PhP 5,500,000.00</del></li> <li>● 172.95 sqm. Isotope Laboratory <del>including rehabilitation of clonal nursery: PhP 3,500,000.00</del></li> </ul>	<p><b>II. Approved Budget for the Contract (ABC)</b>            The total Approved Budget for the Contract (ABC) of this Design and Build Project is Nine Million Pesos only (PhP 9, 000, 000.00). This are further partitioned into two building infrastructure</p> <ul style="list-style-type: none"> <li>● 205.37 sqm. Cacao Sensory Building:</li> <li>● 172.95 sqm. Isotope Laboratory</li> </ul>

**IV. Changes in the Parameters for the Part 1: Cacao Sensory Production and Cacao Grading Laboratory and Part 2: Isotope Laboratory**

FROM	AMENDMENTS/CHANGES
<p><b>Minimum Room Requirements</b></p> <p>iii. Lobby</p> <p>General Description and function of the room:            The receiving/information counter serves as the first point of contact for the public with the Cacao sensory and production building. It also serves as a visitors lounge and waiting area for assessors therefore it should be the most well-designed room. The booth will serve as both information and office for assigned staff</p> <ul style="list-style-type: none"> <li>● Provide and conspicuously display printed texts of 80mm height indicating the title <b>INFORMATION</b> on the information counter. The design of the board and label need not to be plain but shall be aesthetically pleasing and apt for the chocolate and cocoa theme</li> <li>● Provide an L-shaped information booth with one</li> </ul>	<p><b>Minimum Room Requirements</b></p> <p>iii. Lobby</p> <p>General Description and function of the room:            The receiving/information counter serves as the first point of contact for the public with the Cacao sensory and production building. It also serves as a visitors lounge and waiting area for assessors therefore it should be the most well-designed room. The booth will serve as both information and office for assigned staff</p> <ul style="list-style-type: none"> <li>● Provide and conspicuously display printed texts of 80mm height indicating the title <b>INFORMATION</b> on the information counter. The design of the board and label need not to be plain but shall be aesthetically pleasing and apt for the chocolate and cocoa theme</li> <li>● Provide an L-shaped information booth with one</li> </ul>

side slightly less elevated and wider as this will serve as office table. Table shall be made of wood with glossy finish and need not be plain.

- Provide built in cabinets, shelves and drawers
- Provide four (4) high bar chairs made of wood and steel and design appropriate for the concept of the building; the accent should be on the concept of wood bar
- Provide one (1) handwashing sink with basin type ceramic and wood counter
- Aesthetically pleasing wood bar concept mirror shall be placed in front of handwashing sink
- Provide a Tsikwate bar for drinking either coffee or chocolate on which materials shall be made of wood
- Provide sufficient LED lights which can provide 300-500 lux illumination in the room
- Provide optional ambiance light appropriate for the theme
- Windows shall be **transom and awning** window type whose height spans from floor to ceiling. Refer to the schedule of windows

side slightly less elevated and wider as this will serve as office table. Table shall be made of wood with glossy finish and need not be plain.

- Provide built in cabinets, shelves and drawers
- Provide four (4) high bar chairs made of wood and steel and design appropriate for the concept of the building; the accent should be on the concept of wood bar
- Provide one (1) handwashing sink with basin type ceramic and wood counter
- Aesthetically pleasing wood bar concept mirror shall be placed in front of handwashing sink
- Provide a Tsikwate bar for drinking either coffee or chocolate on which materials shall be made of wood
- Provide sufficient LED lights which can provide 300-500 lux illumination in the room
- Provide optional ambiance light appropriate for the theme
- Windows shall be **combination of awning/fixed** window type whose height spans from floor to ceiling. Refer to the schedule of windows

**III. ARCHITECTURAL WORKS**

**b. Walls:**

Foldable wall divider shall be made of PVC material.

Regular steps shall have risers at least 150mm high and treads at least 350mm wide. Handrails shall be 900mm high. Clearances shall confirm with the requirements of the Fire Code of the Philippines.

~~Hallways shall have a minimum unobstructed width of 1500mm. This shall be measured clear from the surface of the finished wall and not on center of the rough CHB wall.~~

Handrails must be 304 stainless steel (1.5" diameter). Railings must be 16mm square bars of 150mm O.C. Use aluminum step nosing 2" wide for all steps.

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Foldable wall divider shall be made of PVC material.

Regular steps shall have risers at least 150mm high and treads at least 350mm wide. Handrails shall be 900mm high. Clearances shall confirm with the requirements of the Fire Code of the Philippines.

Handrails must be 304 stainless steel (1.5" diameter). Railings must be 16mm square bars of 150mm O.C. Use aluminum step nosing 2" wide for all steps.

**III. ARCHITECTURAL WORKS**

**f. Door and Windows:**

Door requirements -general provisions of weather-stripping for all doors for prevention of pests entry, minimize dust and especially noise

f. Provision of fixed viewing clear glass (6mm thick.) in specific rooms

a. Quality Grading Laboratory: side facing hallway: width = 2 meters, height= 1.2 meters

i. Provide one way viewing glass in favor of the hallways towards the laboratory

b. Fixed viewing glasses facing interior production from lobby and viewing glass from sensory/training room, exit: width= **0.3 meters**, height= 1.2 meters

**III. ARCHITECTURAL WORKS**

**f. Door and Windows:**

Door requirements -general provisions of weather-stripping for all doors for prevention of pests entry, minimize dust and especially noise

f. Provision of fixed **one-way** viewing clear glass (6mm thick.) in specific rooms

a. Quality Grading Laboratory: side facing hallway: width = 2 meters, height= 1.2 meters

i. Provide one way viewing glass in favor of the hallways towards the laboratory

b. Fixed viewing glasses facing interior production from lobby and viewing glass from sensory/training room, exit: width= **0.4 meters**, height= 1.2 meters

<ul style="list-style-type: none"> <li>c. Three (3) clear strip PVC curtains shall be provided and installed on Kitchen Door and Lobby Door going to production from hallway to toilet. Each of these curtains shall favor the protection of the production area from pests/insects entry.</li> <li>d. Height: 2200 mm</li> <li>e. Width: varies based on door size and width of hallway</li> </ul>	<ul style="list-style-type: none"> <li>c. Three (3) clear strip PVC curtains shall be provided and installed on Kitchen Door and Lobby Door going to production from hallway to toilet. Each of these curtains shall favor the protection of the production area from pests/insects entry.</li> <li>d. Height: 2200 mm</li> <li>e. Width: varies based on door size and width of hallway</li> </ul>
<p><b>III. ARCHITECTURAL WORKS</b></p> <p><b>i. Roofing Works:</b></p> <ul style="list-style-type: none"> <li>▪ Rafters - use steel W or S-sections</li> <li>▪ Purlins - Use 1.5mm thick x 2" x 6" CEE Purlins spaced at 700 mm O.C. Use 2-12mm dia. Plain Round Bars for Sag Rods.</li> <li>▪ Fascia Frame - Use 2-4mm thick angle bar for Fascia Frame. Use 12mm thk Fiber Cement Board for Fascia Board.</li> <li>▪ Roofing- use 0.40mm thk Pre-painted Roofing Sheets, Rib-Type, Blue. Use Aluminum Radiant Heat Insulation MF 800 6-layer double-sided aluminium foil laminate with superior strength and puncture resistant properties on Galvanized Iron Wire Ga. 16 spaced at 300mm O.C. diagonals. All bended panels shall be 0.40mm thick, prepainted, pre-moulded.</li> <li><input type="checkbox"/> The slope of the roof shall not be less than 15 degrees.</li> <li><input type="checkbox"/> Indicate roof finish/es, slope and slope direction.</li> <li><input type="checkbox"/> Indicate gutter finish.</li> <li><input type="checkbox"/> Indicate exterior building wall line (hidden line).</li> </ul>	<p><b>III. ARCHITECTURAL WORKS</b></p> <p><b>i. Roofing Works:</b></p> <ul style="list-style-type: none"> <li>▪ Rafter or Truss use A36 or A6 steel members</li> <li>▪ Purlins - Use 1.5mm thick x 2" x 6" CEE Purlins spaced at 700 mm O.C. Use 2-12mm dia. Plain Round Bars for Sag Rods.</li> <li>▪ Fascia Frame - Use 2-4mm thick angle bar for Fascia Frame. Use 12mm thk Fiber Cement Board for Fascia Board.</li> <li>▪ Roofing- use 0.40mm thk Pre-painted Roofing Sheets, Rib-Type, Blue. Use Aluminum Radiant Heat Insulation MF 800 6-layer double-sided aluminium foil laminate with superior strength and puncture resistant properties on Galvanized Iron Wire Ga. 16 spaced at 300mm O.C. diagonals. All bended panels shall be 0.40mm thick, prepainted, pre-moulded.</li> <li><input type="checkbox"/> The slope of the roof shall not be less than 5 degrees.</li> <li><input type="checkbox"/> Indicate roof finish/es, slope and slope direction.</li> <li><input type="checkbox"/> Indicate gutter finish.</li> <li><input type="checkbox"/> Indicate exterior building wall line (hidden line).</li> </ul>



<ul style="list-style-type: none"> <li><input type="checkbox"/> Indicate location of down spouts.</li> <li><input type="checkbox"/> Provide details for gutters &amp; down spouts.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Indicate location of down spouts.</li> <li><input type="checkbox"/> Provide details for gutters &amp; down spouts.</li> </ul>
<p><b>DESIGN PARAMETERS (STRUCTURAL/CIVIL WORKS)</b></p> <p><b>II BUILDING</b></p> <ol style="list-style-type: none"> <li>1. This building should be designed using seismic importance factor of 1.25 for immediate occupancy category. Buildings should be designed in accordance with NSCP Requirements up to Magnitude 8 for those near seismic source Type A.</li> <li>2. This building should be designed also using wind importance factor of 1.15 (especially for design of trusses/roofing system). Concrete gutters and parapet walls should be provided as additional protection to nearest active fault lines and with the DENR for geo-hazard mapping.</li> <li>3. The structural designer should verify with Philippine Volcanology and nearest active fault lines and with the DENR for geo-hazard mapping.</li> <li><del>4. Soil investigation (at least three bore holes) should be conducted to determine soil bearing capacity and recommended foundation design (applicable even for one storey structure).</del></li> <li>5. The structural designer is encouraged to use fire-resistive and non-toxic materials</li> </ol>	<p><b>DESIGN PARAMETERS (STRUCTURAL/CIVIL WORKS)</b></p> <p><b>II BUILDING</b></p> <ol style="list-style-type: none"> <li>1. This building should be designed using seismic importance factor of 1.25 for immediate occupancy category. Buildings should be designed in accordance with NSCP Requirements up to Magnitude 8 for those near seismic source Type A.</li> <li>2. This building should be designed also using wind importance factor of 1.15 (especially for design of trusses/roofing system). Concrete gutters and parapet walls should be provided as additional protection to nearest active fault lines and with the DENR for geo-hazard mapping.</li> <li>3. The structural designer should verify with Philippine Volcanology and nearest active fault lines and with the DENR for geo-hazard mapping.</li> <li>4. The structural designer is encouraged to use fire-resistive and non-toxic materials.</li> </ol>
<p><b>DESIGN PARAMETERS (STRUCTURAL/CIVIL WORKS)</b></p> <p><b>IV. Summary of Materials:</b></p> <ol style="list-style-type: none"> <li>1. Concrete shall have a minimum 28-day compressive strength of 21 Mpa.</li> </ol>	<p><b>DESIGN PARAMETERS (STRUCTURAL/CIVIL WORKS)</b></p> <p><b>VI. Summary of Materials:</b></p> <ol style="list-style-type: none"> <li>1. Concrete shall have a minimum 28-day compressive strength of 21 Mpa.</li> </ol>



<ol style="list-style-type: none"> <li>2. Fine aggregates shall consist of hard, tough, durable and uncoated particles of natural sand.</li> <li>3. Coarse aggregates shall consist of crushed stone or rock, or a combination thereof conforming to ASTM C33.</li> <li>4. Use Portland cement conforming to ASTM C150, Type I or Type II. All cement shall be a product of one reputable manufacturer.</li> <li>5. Reinforcing steel shall be deformed billet steel bars conforming to PNS Grade 40 for 12mm dia. and below. Use PNS Grade 60 for 16mm dia. and larger bars.</li> <li>6. Concrete hollow block 6" thick (600 psi) on all external walls including Training Sensory Room. Interior CHB walls 4" thick (600 psi) cement plastered finished.</li> <li>7. Structural steel (W or S section) for column, beams and <del>rafters</del> plates and bars shall conform to ASTM specification A36/A6M.</li> <li>8. Welding Electrodes shall be E60, or E70, WAS specs D1.1.</li> </ol>	<ol style="list-style-type: none"> <li>2. Fine aggregates shall consist of hard, tough, durable and uncoated particles of natural sand.</li> <li>3. Coarse aggregates shall consist of crushed stone or rock, or a combination thereof conforming to ASTM C33.</li> <li>4. Use Portland cement conforming to ASTM C150, Type I or Type II. All cement shall be a product of one reputable manufacturer.</li> <li>5. Reinforcing steel shall be deformed billet steel bars conforming to PNS Grade 40 for 12mm dia. and below. Use PNS Grade 60 for 16mm dia. and larger bars.</li> <li>6. Concrete hollow block 6" thick (600 psi) on all external walls including Training Sensory Room. Interior CHB walls 4" thick (600 psi) cement plastered finished.</li> <li>7. Structural steel (W or S section) for column, beams and plates and bars shall conform to ASTM specification A36/A6M.</li> <li>8. Welding Electrodes shall be E60, or E70, WAS specs D1.1.</li> </ol>
<p><b>SANITARY/PLUMBING DESIGN PARAMETERS</b></p> <p><b>III. Building Facilities Sanitary/Plumbing System</b></p> <ol style="list-style-type: none"> <li>1. Sewer line and Vent System           <p>Provide complete Sewer line and Vent System from all (Domestic) plumbing fixtures and floor drains, laid by gravity connect its effluent to the Septic vault;</p> <p>For Drainage Fixture Units: refer to Chapter 7, Table 7-2 NPCP</p> </li> <li>2. Wastewater line and Vent System           <p>For all Wash Areas, provide separate Wastewater line and Vent System, connect its effluent to the Septic vault.</p> </li> </ol>	<p><b>SANITARY/PLUMBING DESIGN PARAMETERS</b></p> <p><b>III. Building Facilities Sanitary/Plumbing System</b></p> <ol style="list-style-type: none"> <li>1. Sewer line and Vent System           <p>Provide complete Sewer line and Vent System from all (Domestic) plumbing fixtures and floor drains, laid by gravity connect its effluent to the Septic vault;</p> <p>For Drainage Fixture Units: refer to Chapter 7, Table 7-2 NPCP</p> </li> <li>2. Wastewater line and Vent System           <p>For all Wash Areas, provide separate Wastewater line and Vent System, connect its effluent to the Septic vault.</p> </li> </ol>



<p>For Drainage Fixture Units; refer to Chapter 7, Table 7-2, NPCP</p> <p>3. Waterline System</p> <p>Provide complete cold water supply pipes to all plumbing fixtures coming from the <b>stainless steel water tank.</b></p> <p>4. Storm Drainage System</p> <p>Complete Storm Drainage System shall be provided for roofs flow connected to a leader/pipe line leading to the natural ground level storm drainage network.</p>	<p>For Drainage Fixture Units; refer to Chapter 7, Table 7-2, NPCP</p> <p>3. Waterline System</p> <p>Provide complete cold water supply pipes to all plumbing fixtures coming from the <b>main water source.</b></p> <p>4. Storm Drainage System</p> <p>Complete Storm Drainage System shall be provided for roofs flow connected to a leader/pipe line leading to the natural ground level storm drainage network.</p>
<p><b>PART 2 (BUILDING 2): ISOTOPE LABORATORY</b></p> <p><i>ARCHITECTURAL DESIGN PARAMETERS</i></p> <p>9. Roofing Works</p> <ul style="list-style-type: none"> <li>The section of the roof gutters shall be designed, in case of a clogged downspout, so that the overflow of water will be directed outside of the building and not towards the eaves or interior ceiling to prevent any damage. Provide details.</li> <li>Avoid valley or inside gutters in roof design. But in cases required in aesthetic design, valley or inside gutters and the section shall be designed with a capacity for big volume to prevent any damage due to overflow. Provide details.</li> <li>Parapets, designed as a roof protection from the winds, must be designed to satisfy the preceding parameters. Provide details.</li> <li>The slope of the roof shall not be less than <b>15 degrees.</b></li> </ul>	<p><b>PART 2 (BUILDING 2): ISOTOPE LABORATORY</b></p> <p><i>ARCHITECTURAL DESIGN PARAMETERS</i></p> <p>9. Roofing Works</p> <ul style="list-style-type: none"> <li>The section of the roof gutters shall be designed, in case of a clogged downspout, so that the overflow of water will be directed outside of the building and not towards the eaves or interior ceiling to prevent any damage. Provide details.</li> <li>Avoid valley or inside gutters in roof design. But in cases required in aesthetic design, valley or inside gutters and the section shall be designed with a capacity for big volume to prevent any damage due to overflow. Provide details.</li> <li>Parapets, designed as a roof protection from the winds, must be designed to satisfy the preceding parameters. Provide details.</li> <li>The slope of the roof shall not be less than <b>5 degrees.</b></li> </ul>




## II. Changes in the Bill of Quantities item no. VI - Doors and Windows

FROM					AMENDMENTS/CHANGES				
<b><u>BILL OF QUANTITIES (BOQ)</u></b>					<b><u>BILL OF QUANTITIES (BOQ)</u></b>				
ITEM DESCRIPTION	QTY	UNIT	UNIT COST (in Php)	TOTAL AMOUNT (in Php)	ITEM DESCRIPTION	QTY	UNIT	UNIT COST (in Php)	TOTAL AMOUNT (in Php)
<b>ITEM VI - DOORS and WINDOWS</b> <ul style="list-style-type: none"> <li>● Glass Tempered Doors</li> <li>● Aluminum Panel Doors w/ S/S Kick Plate</li> <li>● Wooden Panel Doors w/ S/S Kick Plate</li> <li>● Awning Windows w/ <b>5 mm</b> Thk Clear Glass on Aluminum Powder Coated Finish w/ 30cm High Fixed Transom</li> </ul>		Units			<b>ITEM VI - DOORS and WINDOWS</b> <ul style="list-style-type: none"> <li>● Glass Tempered Doors</li> <li>● Aluminum Panel Doors w/ S/S Kick Plate</li> <li>● Wooden Panel Doors w/ S/S Kick Plate</li> <li>● Awning Windows w/ <b>6 mm</b> Thk Clear Glass on Aluminum Powder Coated Finish w/ 30cm High Fixed Transom</li> </ul>		Units		
		Units					Units		
		Units					Units		
		Sq.m					Sq.m		

The foregoing shall form as an integral part of the Bidding Documents. Any Provision in the Bidding Documents inconsistent herewith is hereby amended, modified & superseded accordingly.

For the information & guidance of all concerned.

Sincerely,

  
**EDUARDO F. AQUINO, MS**  
 Chairperson, Bids and Awards Committee