

Republic of the Philippines **DEPARTMENT OF AGRICULTURE**

Regional Field Office No. 5 San Agustin, Pili, Camarines Sur 4418

Design, Build and Supply of Mega Cold Storage Facility in San Jose, Pili, Camarines Sur under the Cold Storage Expansion Project

2025-PB-01

ABC: Php 500,000,000.00

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Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR - Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

CDA - Cooperative Development Authority.

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

CIF - Cost Insurance and Freight.

CIP - Carriage and Insurance Paid.

CPI - Consumer Price Index.

DDP – Refers to the quoted price of the Goods, which means "delivered duty paid."

DTI – Department of Trade and Industry.

EXW - Ex works.

FCA – "Free Carrier" shipping point.

FOB – "Free on Board" shipping point.

Foreign-funded Procurement or Foreign-Assisted Project–Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as "Call-Offs," are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

GFI – Government Financial Institution.

GOCC – Government-owned and/or – controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term "related" or "analogous services" shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

Supplier – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

UN – United Nations.

Section I. Invitation to Bid





Republic of the Philippines **REGIONAL FIELD OFFICE NO. 5** San Agustin, Pili, Camarines Sur

INVITATION TO BID

Design, Build and Supply of Mega Cold Storage Facility in San Jose, Pili, Camarines Sur under the Cold Storage Expansion Project

1. The **Department of Agriculture Regional Field Office No. 5**, through the General Appropriations Act (GAA) for **2024 Continuing Fund** intends to apply the sum of **Five Hundred Million Pesos (Php500,000,000.00)** being the ABC to payments under the contract for **ITB No. 2025-PB-01**.

Bids received in excess of the ABC shall be automatically rejected at bid opening. **Partial bid is NOT ALLOWED.**

2. The **Department of Agriculture Regional Field Office No. 5** now invites bids for the **ff:**

Item No.	Qty	Specifications	Delivery of the Goods
1	1 lot	Polyurethane Insulation	
		For 6 cold storages (10x34x12mhc)	
		Using 8 inches thick for CS & 3 inches	
		for other partitions	
2	1 lot	Accessories for cold rooms	
3	49 truck load	Delivery (Manila toBicol)	0 1
4	1 lot	P U Installation	9 months upon
5	6 units	Sliding Doors (Cold Storage)	receipt of NTP
6	6 units	Section doors (Loading bays)	
7	6 units Dock Levelers		
8	15 units	Cooling System	
9	1 lot	Electrical for the Cooling System	
10	1 lot	Installation for the Cooling System	

Bidders should have completed, within *Five (5) years* from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).

- 3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
 - Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.
- 4. Prospective Bidders may obtain further information from **Department of Agriculture Regional Field Office No. 5** and inspect the Bidding Documents at the address given below during **Mondays Fridays, 8:00 AM to 5:00 PM except for Holidays, Saturdays and Sundays.**

5. A complete set of Bidding Documents may be acquired by interested Bidders on **February 13, 2025 – March 05, 2025 (09:00AM)** from the given address and website(s)below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Seventy Five Thousand Pesos (₱75,000.00).**

The Procuring Entity shall allow the bidder to present its proof of payment for the fees.

- 6. In accordance with provisions of Annex 'G' IRR/ R.A. No. 9184, Bidders shall submit Bids in two [2] separate sealed envelopes. The first envelope [Technical Proposal] shall contain all the required Class A documents for the infrastructure projects and additional documents specified in the Bid Data Sheets and Bid Forms of the Bidding Documents. The second envelope [Financial Proposal] shall contain all the required documents for infrastructure specified in the Bid Data Sheets and Bid Forms.
- 7. The **DA RFO 5** will hold a **Pre-Bid Conference on February 21, 2025; 10:00AM** at 3rd Flr. Training Hall, Operations Bldg., DA RFO-5, San Agustin, Pili, Camarines Sur, which shall be open to prospective bidders.

Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below, on or before March 05, 2025; 10:00AM; **09:00AM**. *Late bids shall not be accepted.* Bids sent by post or delivery service shall not be accepted.

- 8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
- 9. Bidders will be screened technically by the BAC through the assistance of the design and build committee (DBC) duly created solely for the procurement of this project. In summary, the following steps shall be undertaken in the bid evaluation:
 - **Step 1**: Screening of legal documents (PASS/FAIL)
 - **Step 2**: Technical Presentation (with outline)
 - **Step 3**: Technical screening (PASS/FAIL)
 - *Step 4*: Financial opening
 - **Step 5**: Financial bid Ranking to determine Lowest Calculated Bid (LCB) and so forth
- 10. **Bid opening shall be on March 05, 2025; 10:00AM** at the given address below 3rd Flr. Training Hall, Operations Bldg., DA RFO-5, San Agustin, Pili, Camarines Surand/or through teleconferencing/webcasting via *ZOOM*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
- 11. In case of a tie Bid, the BAC will conduct the Guidelines on the Use of Non-Discretionary/Non-Discriminatory Selection criteria as Tie-Breaking Method thru DRAW LOTS in case of two or more Bidders have been post-qualified determined as the bidder having the Lowest calculated and Responsive Bidder (LCRB) (GPPB Circular No. 06-2005).

- 12. The **DA RFO 5** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
- 13. For further information, please refer to:

BAC Secretariat Office

Department of Agriculture, Regional Field Office No. 5

San Agustin, Pili, Camarines Sur 4418 Email Address: <u>bacrfo5@gmail.com</u> You may visit the following websites:

For Downloading of Bidding Documents: bicol.da.gov.ph.

February 07, 2025 San Agustin, Pili, Camarines Sur

LORENZO L. ALVINA

OIC, RTD for Research and Regulations Chairperson, Bids and Awards Committee

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, *Department of Agriculture Regional Field Office No. 5* wishesto receive Bids for **Design, Build and Supply of Mega Cold Storage Facility in San Jose, Pili, Camarines Sur under the Cold Storage Expansion Project** with identification number **2025-PB-01**.

The Procurement Project (referred to herein as "Project") is composed of *One (1) Lot*, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

- 2.1. The GOP through the source of funding as indicated below *General Appropriations Act (GAA)* for 2024 Continuing Fund in the amount of Five Hundred Million Pesos (Php500,000,000.00).
 - a. NGA, the General Appropriations Act or Special Appropriations

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "I" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. Foreign ownership exceeding those allowed under the rules may participate in this Projects (B).

- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least **fifty percent (50%) of the ABC in the amount of P250,000,000.00**
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

7. Subcontracts

7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that:

a. Subcontracting is not allowed.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address at **DA RFO 5**, **San Agustin**, **Pili**, **Camarines Sur** and/or through videoconferencing/webcasting} as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within **FIVE** (5) **YEARS** prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent

office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - a. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;
 - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
 - iv. The price of other (incidental) services, if any, listed in e.

b. For Goods offered from abroad:

- i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
- ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications).**

13. Bid and Payment Currencies

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 13.2. Payment of the contract price shall be made in:
 - a. Philippine Pesos.

14. Bid Security

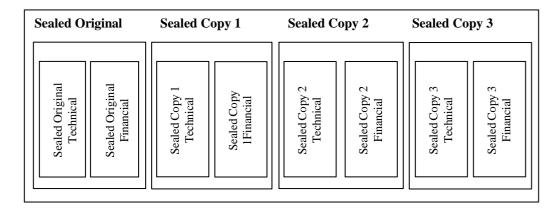
- 14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid until July 03. 2025(120 days). Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

Each Bidder shall submit one (1) Original copy of the first and second component of its Bid. The Procuring entity is requesting an additional three (3) hard copies of the bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

Sealed Original, Copy 1, Copy 2 & 3 in one (1) Single Envelope



All copies shall be marked Certified True Copy & signed by the bidder or its duly authorized representative.

Additional instructions: All copies must be marked with index/ear tabs or side-end tabs to identify the page components and shall be properly addressed to the **BAC Chairperson.**

16. Deadline for Submission of Bids

16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

17. Opening and Preliminary Examination of Bids

17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

18. Domestic Preference

18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "passed," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shallbe awarded as **One Project having several items that shall be awarded as one contract.**

19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

20.2. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (Efps) and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be:
	a. COLD STORAGE OR FOOD PLANT EQUIPMENT
	 Completed within <i>Five (5) years</i> prior to the deadline for the submission and receipt of bids.
5.4	Additional Technical Documents
	 Statement of the consultant specifying its nationality and confirming that those who will actually perform the service are registered professionals authorized by the appropriate regulatory body to practice those professions and allied professions, including their respective curriculum vitae. List of Supplier's key personnel (e.g. Project Manager, Project Engineers, Material Engineers, and Foremen) to be assigned to the contact to be bid, with their qualification and experience data
	3. Organizational chat of the technical experts/professionals who will be assigned full time to work on the project until completion.
	4. List of equipment, vehicles and machinery/equipment including the manufacturing facility for the production of insulated polyurethane panels (P.U.) roll forming machinery and installation equipment that will be assigned full time and utilized for the duration of the project with corresponding proof of ownership and availability.
	5. Bidder must be a certified owner of the production line of polyurethane panels (PU) to be assured of quality and product integrity during supply, installation and warranty period for the project.
	6. Certification that the company is recognized internationally or locally (with at least ten (10) year's experience) by any organization on cold storage or food plant setup must be available.
	7. Authority to supply and install refrigeration equipment from the origin of imported goods.
	Additional Financial Documents
	 Duly accomplished Detailed Estimate Form, including a summary sheet indicating the unit prices of installation materials, labor rates, and equipment rentals used in coming up with the bid; Cash Flow by quarter for the project

7.1	No further instruction
12	The price of the Goods shall be quoted DDPDA RFO 5, SAN AGUSTIN, PILI, CAMARINES SURor the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts: a. The amount of not less than Php10,000,000.00, if bid security is in cash,
	cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or
	b. The amount of not less than Php25,000,000.00 , if bid security is in Surety Bond.
19.3	Partial bid is NOT allowed.
20.2	The bidder shall submit:
	a. Design and Installation schedule and S-curve
	b. Manpower schedule
	c. Equipment utilization schedule
	d. Installation safety and health program approved by the Department of Labor and Employment
	e. PERT/CPM or other acceptable tools of project scheduling.
	f. Proof of ownership of Production line of polyurethane (PU) panels
	g. Local/international recognition on cold storage or food plant set-up must be available.
	h. Authority to supply and install refrigeration equipment from the origin of imported goods.
	i. BIR Registration Certificate
	j. Latest Income Tax Return
	k. Latest VAT Payment
	l. Performance Evaluation Report (at least very satisfactory) of Single Largest Completed Contract (SLCC) duly signed by the end-user with the approval of the Director or RTD for Government Contract and with the approval of the highest-ranking official for private contract.
	m. Attachment of SLCC [Notice of Award, Contract or PO, Notice to Proceed and Inspection and Acceptance (COA Form) (if government), For Private Contract: Contract/PO and Delivery Receipt with Proof of Acceptance]
	n. Other requirements peculiar to the procurement project under consideration
21.2	No further instruction



1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC).**

2. Advance Payment and Terms of Payment

- 2.1. Advance payment of the contract amount is provided under Annex "D" of the revised 2016 IRR of RA No. 9184.
- 2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

[Include the following clauses if Framework Agreement will be used:]

- 2.3. For a single-year Framework Agreement, prices charged by the Supplier for Goods delivered and/or services performed under a Call-Off shall not vary from the prices quoted by the Supplier in its bid.
- 2.4. For multi-year Framework Agreement, prices charged by the Supplier for Goods delivered and/or services performed under a Call-Off shall not vary from the prices quoted by the Supplier during conduct of Mini-Competition.

3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC**, **Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

5. Warranty

- 6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

Section	V. Specia	ıl Condi	tions of	Contra	ıct

Special Conditions of Contract

GCC Clause				
1	Delivery and Documents -			
	For purposes of the Contract, "EXW," "FOB," "FCA," "CIF," "CIP," "DDP" and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:			
	The delivery terms applicable to this Contract are delivered to Camarines Sur . Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination."			
	Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).			
	For purposes of this Clause the Procuring Entity's Representative at the Project Site is <i>Ms. Cristina E. Borja, Property Officer</i>			
	Incidental Services -			
	The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:			
	a. performance or supervision of on-site assembly and/or start-up of the supplied Goods;			
	b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;			
	c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;			
	d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and			
	e. training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.			
	The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.			
	Spare Parts -			
	The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:			

- a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and
- b. in the event of termination of production of the spare parts:
 - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
 - ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

The spare parts and other components required are listed in **Section VI (Schedule of Requirements)** and the cost thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of [indicate here the time period specified. If not used indicate a time period of three times the warranty period].

Spare parts or components shall be supplied as promptly as possible, but in any case, within [insert appropriate time period] months of placing the order.

Packaging -

The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements,

if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.

The outer packaging must be clearly marked on at least four (4) sides as follows:

Name of the Procuring Entity
Name of the Supplier
Contract Description
Final Destination
Gross weight
Any special lifting instructions

	Any special handling instructions
	Any relevant HAZCHEM classifications
	A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.
	Transportation -
	Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.
	Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.
	Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.
	The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the
	Procuring Entity until their receipt and final acceptance at the final destination.
	Intellectual Property Rights –
	The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.
2.2	The terms of payment shall be progressive billing after completion of the activity/delivery (staggered) duly inspected by the inspector and by Focal Person or its representative.
4	The inspections that will be conducted are based on the minimum specifications required as indicated in the Technical Specifications.

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

LOT NO.	Description		Qua ntity	Total	Delivered, Weeks/ Months
	Design, Build and Sup	ply of Mega Cold Storage Facility	1 lot	500,000,000.00	9 mos cd
					upon
	1 lot	Polyurethane Insulation			receipt of
		For 6 cold storages (10x34x12mhc)			NTP
		Using 8 inches thick for CS & 3 inches			
		for other partitions			
	1 lot	Accessories for cold rooms			
1	49 truck load	Delivery (Manila toBicol)			
	1 lot	P U Installation			
	6 units	Sliding Doors (Cold Storage)			
	6 units	Section doors (Loading bays)			
	6 units	Dock Levelers			
	15 units	Cooling System			
	1 lot	Electrical for the Cooling System			
	1 lot	Installation for the Cooling System			

DELIVERY SITE:

San Jose, Pili, Camarines Sur

I hereby commit to comply and deliver all the above requirements in accordance with above stated schedule.

Signature over Printed Name of Authorized Representative
Date:

Section VII. Technical Specifications

Technical Specifications

Item		Specification	Statement of Compliance
			[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]
	Design, Build an Facility 1 lot	Polyurethane Insulation For 6 cold storages (10x34x12mhc)	
1	41-1	Using 8 inches thick for CS & 3 inches for other partitions	
	1 lot	Accessories for cold rooms	
	49 truck load	Delivery (Manila toBicol)	
	1 lot	P U Installation	
	6 units	Sliding Doors (Cold	
	6 units	Storage) Section doors (Loading	

	bays)
6 units	Dock Levelers
15 units	Cooling System
1 lot	Electrical for the
	Cooling System
1 lot	Installation for the
	Cooling System

-Please see attached Terms of Reference and DED

- a. Design and Installation schedule and S-curve
- b. Manpower schedule
- c. Equipment utilization schedule
- d. Installation safety and health program approved by the Department of Labor and Employment
- e. PERT/CPM or other acceptable tools of project scheduling.
- f. Proof of ownership of Production line of polyurethane (PU) panels
- g. Local/international recognition on cold storage or food plant set-up must be available.
- h. Authority to supply and install refrigeration equipment from the origin of imported goods.

*Bidder/s may attach the above-mentioned documents but not be a ground for disqualification during the bid opening

I hereby commit to comply and deliver all the above requirements in accordance with above technical specifications.

Signature over Printed Name of Authorized Representative

Date:		

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TERMS OF REFERENCE For the DESIGN, BUILD AND SUPPLY OF MEGA COLD STORAGE FACILITY

TERMS OF REFERENCE FOR THE DESIGN, BUILD AND SUPPLY of the project

MEGA COLD STORAGE FACILITY (UNDER THE COLD STORAGE EXPANSION PROJECT)

I. BACKGROUND

Pursuant to Republic Act 8435, otherwise known as the "Agriculture and Fisheries Modernization Act of 1997", it is the policy of the State to promote food security by assuring the availability, adequacy, and accessibility of food supplies to every Filipinos at all times. One key issue hindering the attainment of such goal is the lack of sufficient and appropriate infrastructure to efficiently and sustainably utilizes the country's resources. Logically, addressing infrastructure challenges is essential for enhancing the food value chain. Through modernized and interlinked infrastructure, we can streamline the food supply chain, lower costs, and bolster local markets. There is a strong need to effectively interlink production with consumption, especially considering the vast distances between farms and the target markets. Poor infrastructure results in high transportation costs, wastage, lower farmer's income and food insecurities. To address the abovementioned challenges, the Department of Agriculture (DA) through its Office of the Assistant Secretary for Logistics (OASL) included in its infrastructure investments plan the provision of energy efficient cold chain and food logistics system such as but not limited to Cold Storage Warehouse (CSW), and the needed machineries and equipment; ice plant; refrigerated hauling or refrigerated delivery trucks; tram line, trading posts and other similar market facilities. Implementation of these projects is envisioned to enhance productivity. These projects offer more efficient logistics support to the farmers', especially after production or when bringing the farm produce closer to the market, end users or consumers and effectively manage the distribution of quality food in other markets in case there is an oversupply. Thus, there are initiated projects of installing energy efficient Cold Storage Facilities in various food hubs or clusters to address post-harvest losses, food safety and increase farmer's income as per DA's Philippine Food Chain Logistics Master Plan 2023-2033. One of such is the establishment of a modern Mega Cold Storage Facility (under the Cold Storage Expansion Project) in San Jose, Pili, Camarines Sur to address postharvest losses, ensure food safety and ensure reliable supply of agriculture and fisheries commodities' initiatives by the Department of Agriculture (DA). Thus further contributing to the food sufficiency and buffer stocking initiative of the Bicolanos. With an approved budget of Five Hundred Million Pesos **500,000,000.00)**, the establishment of the facility will also serve to benefit not only the adjacent households but the entire province of Camarines Sur.

II. CREATION OF DESIGN, BUILD AND SUPPLYCOMMITTEE

In accordance with Annex "G" entitled "Guidelines for the Procurement and Implementation of Contracts for Design, build and supply of Infrastructure Projects", of the 2016 Revised

Implementing Rules and Regulations of **Republic Act 9184** otherwise known as "An act providing for the modernization, standardization and regulation of the procurement activities of the government and for other purposes", a **Design, build and supply Committee (DBC)** shall be created composed of the multi-disciplinary experts in the field of installation and engineering to assist the Bid and Awards Committee (BAC) members in the procurement and monitoring of Design, build and supply type projects. They shall be composed of the following from the pool of experts of the DA RFO 5, namely: a) Civil Engineer; b) Mechanical Engineer; c) Electrical Engineer; d) Agricultural and Biosystems Engineer; e) Safety Officer; f) Project Evaluation Officer; and g) Architect.

Similarly, the DBC members shall assist the Bids and Awards Committee (BAC) in the preparation of bid documents such as but not limited to the Terms of Reference (TOR), conceptual design and performance specifications and parameters, review of detailed engineering design and supervision of the project. During the bidding process, the DBC shall assist the BAC in the evaluation of technical proposals in accordance with the criteria set in the bid documents and make the necessary recommendations. They shall be guided by the existing government rules and regulations governing the performance of said function.

III. CONCEPTUAL DESIGN AND PLAN

Before the system is designed, it is expected that the consultants will have a thorough understanding of the project site. A conceptual design and plan was prepared by DA RFO 5, however, this design shall serve as reference only. DA RFO 5 does not guarantee that the data is fully correct, updated, and applicable to the project at hand. The winning bidder is responsible for the accuracy and applicability of all data. **The initial program of works, plans and specification are hereto attached as Annexes "A" and "B".** Prospective suppliers may introduce an entirely new concept subject to the design parameters, performance standards and space requirements set by this Terms of Reference (TOR).

IV. OBLIGATIONS OF THE PARTIES

A. Department of Agriculture Regional Field Office No. 5

- 1) Spearhead the procurement and implementation of the project;
- 2) Shall provide minimum technical specification of all infrastructures, facilities and machineries/equipment included in the facility design, build and supply scheme stated herein in accordance to existing laws and standards;
- 3) Shall thoroughly screen prospective suppliers and award the project to qualified and responsive service provider;
- 4) Shall ensure that all the necessary schedules with regard to the submission, confirmation and approval of the detailed engineering design and the details of the installation methods and procedures shall be included in the contract documents;
- 5) Shall exercise overall supervision to all the activities of the service provider relative to the implementation of the project;
- 6) Shall review and double check all necessary detailed engineering investigations, surveys and designs in accordance with the provisions of Annex "A", IRR-A, or Republic

Act 9184 otherwise known as "An Act Providing For The Modernization, Standardization And Regulation Of The Procurement Activities Of The Government And For Other Purposes";

- 7) Shall ensure the compliance of the service provider to all legal requirements and procedures relative to the design, installation and operation of the facility;
- 8) Support the service provider throughout the project design, build and supply process by providing funds in accordance with approved work and financial plan;
- 9) Conduct close monitoring of the status of project establishment through assigned onsite Engineer;
- 10) Attend and coordinate operator and technician training sponsored by the service provider;
- 11) Shall review, order rectification, and approve or disapprove for implementation only the submitted plans within the approved schedules;
- 12) Have the right to intervene and institute corrective measures for purpose of ensuring operationalization of the project, safety and productivity in case of violation, due, but not limited to, misappropriations of funds, non-compliance with any provisions and if monitoring and evaluation warrants, the introduction of corrective measures.

B. Service Provider/Supplier

- 1) The design, build and supply Service Provider shall be solely responsible for the integrity of the detailed engineering design and the performance of the structure irrespective of the approval/confirmation by the procuring entity;
- 2) Upon award of the contract, the winning Service Provider shall be responsible for the preparation and submission of all necessary detailed engineering investigations, surveys, reports and designs in accordance with the provisions of Annex "A" of RA 9184:
- 3) Shall coordinate with DA RFO 5 in all aspects of project implementation;
- 4) Adhere to milestones and schedules required by the project;
- 5) Ensure the accuracy and soundness of all detailed engineering design and the details of the installation methods and procedures in accordance to existing laws and standards;
- 6) Shall ensure compliance of the project to all legal requirements and procedures relative to the design, installation and operation of the facility.
- 7) Provide and maintain all records on-site and off-site subjects to periodic review and monitoring of the DA RFO 5 relative to the implementation of the project;
- 8) Plan, sponsor and conduct operator and technician training on operation, maintenance and simple trouble shooting of the project;
- 9) Provide operator and technician manual in local dialect and in comics type form that would be clear and understood by the operators;
- 10) Facilitate, coordinate and shoulder the cost of testing materials during the acceptance testing of the facility and machinery:
- 11) Submit reports as stipulated in the expected outputs;
- 12) Design and specifications shall conform to the PAES 417:2002 for cold storage facility.

V. WORK DESCRIPTION AND STANDARDS

installation phase. In the design phase, the Service Provider shall be required to prepare and submit design plans that is compliant with the design parameters and performance specifications set by this TOR. The installation phase shall commence after all clearances and/or permits from DA RFO 5 is issued to the Service Provider. **Prospective suppliers shall be required to submit an installation schedule incorporating the above-mentioned arrangement.**

The infrastructure and equipment design, specifications and performances shall be prepared to meet applicable requirements of the following Laws, Codes and Standards, such as but not limited to:

- A. National Plant Code of the Philippines (PD 1096) and its referral Codes including the Green Plant Code; (**Please refer to Annex C**)
- B. Comprehensive Fire Code of the Philippines;
- C. Occupational Safety and Health Standards;
- D. National Structural Code of the Philippines;
- E. Electrical Engineering Law (RA 7920);
- F. Mechanical Engineering Law (RA 5336);
- G. Plumbing Code (RA 1378, 1993-1994 Revisions);
- H. RA 9266 or Architecture Law and its Latest and Amended IRR
- I. Fire Code (RA 9514);
- J. Philippine National Standards/ Philippine Agricultural Engineering Standard (PNS/PAES);
- K. Accessibility Law (BP 344); and
- L. Other laws and regulations covering environmental concerns, local ordinances and regulations.

In cases where there are conflicts in the provisions of the above stated Laws, Codes and Standards, the most stringent provision shall apply.

To avoid unnecessary delays, sequence or prioritization of facilities/equipment to be put up shall be incorporated in the inception report and will be approved individually. Upon approval, the service provider may immediately start on the installation/installation. Thus both design team and implementation team are functional simultaneously as a means of speeding up the progress of the project. Similarly, the DA RFO 5 may recommend doubling/tripling of manpower to the service provider to meet due dates of the project.

The minimum standards and specification of the facilities and equipment shown in **ANNEX B (Equipment) and ANNEX C (facility)** shall be designed, constructed and installed. These shall be equipped with basic amenities to ensure that it will be operational once project starts by the Service Provider including the test operation of the functionality of the entire facility.

VI. FACILITIES DESIGN PARAMETERS AND STANDARDS

Applicable design parameters and standards shall be required to ensure that all aspects in the design and installation stages attain minimal impact to the environment while providing a functional and efficient facility that is typhoon and hazard resilient, of high

standards and in harmony with its surroundings.

A. DESIGN PARAMETERS:

1) SITE ANALYSIS

A thorough site analysis shall be conducted for the purpose of analysis, recording and evaluating information on the site and its surroundings. The result of the analysis shall be used in the design process, namely:

- a) Topography;
- b) Proximity to fault lines and other hazard areas;
- c) Vegetation and Natural Features;
- d) Plant Orientation;
- e) Wind Direction:
- f) Soil Type and Condition;
- g) Precipitation & Hydrology;
- h) Surrounding land uses and terrain;
- i) Prominent Vision lines / Visual linkages; and
- j) Locally available resources

2) FACILITY PLANNING

This factor shall be incorporated during the design of the plant/facilities and shall include:

- a) Levels and contours of the area and its surroundings;
- b) Trees within and surrounding the area
- c) Movement system through and around the site
- d) Shape, size and orientation of the area where the facility will be built;
- e) Height of existing households and its surroundings.
- f) Open spaces surrounding the property
- g) Natural or man-made structures
- h) Street including drainages and utility poles
- i) Risk and needs assessment factors for the facility

3) PLANT ENVELOPE

This parameter involves using exterior wall materials and designs that are climate-appropriate, structurally sound and aesthetically pleasing.

- a) Support (Resistance to and transfer of structural and dynamic loads)
- b) Control (Control of air, water and heat flow)
- c) Finish (Desired aesthetics on the inside and outside of the plant)

4) ENGINEERING AND ARCHITECTURAL PARAMETERS

Design of the facility shall be responsive to economic, environmental, and cultural conditions through the following:

a) TECHNICAL CONNECTIVITY

The plant and facilities shall be placed and oriented according to the series of operation such but not limited to arrival, cleaning, weighing, packaging, pre-cooling, blast freezing, disposal. Similarly, each facility/equipment has specific technology needs that must be met. All technological systems such as audio/visual systems, speaker systems, internet access, Local Area Networks (LAN) / Wide-Area Networks (WAN) / Wireless Fidelity (WI-FI) and Voice-over Internet Protocol (VoIP) shall be part of the design and functional final set-up.

b) FUNCTIONAL/OPERATIONAL PLANNING

The facility/equipment design and placement must consider the integrated requirements of the different facility operations, ease and safety of the technicians working within the enclosed confines. This includes the waste produced, high and low temperature risk samples and chemicals, solid and liquid raw materials and waste movement and disposal access, operating hours, ventilation demands, security issues, electronic equipment and technology requirements, any material handling or operational process flows and special health hazards.

c) TRANSACTION TRANSPARENCY AND EMPLOYEE PRODUCTIVITY

Observers, clientele and employee satisfaction, health, and comfort are of primary concern. Strategies such as glass windows and doors, excellent indoor air quality, access to windows and views, opportunities for interaction, and natural light are some of the factors that shall be incorporated. Special consideration must be given to noise control in open office settings, with absorptive finish materials, masking white noise.

d) FLEXIBILITY

The plant/facilities must economically accommodate renovation, adjustments and alteration. These modifications may be due to management reorganization, personnel shifts, safety and risk, or the advent of technological innovation, thus the facility infrastructure, interior systems, and furnishings must be up to the challenge.

B. PERFORMANCE STANDARDS

The design and installation of the plant and facilities shall conform to the following standards:

1) ENERGY EFFICIENCY

Requires the adoption of efficient practices, designs, methods and technologies that reduce energy consumption resulting in cost savings.

2) WATER EFFICIENCY

Requires the adoption of efficient practices, plan, design, materials, fixtures, equipment and methods that reduce water consumption resulting in cost savings.

3) INDOOR ENVIRONMENTAL QUALITY

Requires the adoption of efficient design and operation practices that take into consideration the plant environment to maintain sample integrity and improve occupant health, productivity and safety.

4) EQUIPMENT PERFORMANCE

All equipment and utensils material, fabrication and performances shall conform to existing principles and guidelines related to the facility installation, operation and maintenance.

VII. WORK SCOPE

The scope of works for the project shall involve the following activities:

A. PRELIMINARY INVESTIGATIONS

These shall include, among others, information on soil, geotechnical, hydrologic, hydraulic, seismic, traffic, and environmental conditions that shall be used to define project design of the plant and to set the basis for the financial proposal of the prospective suppliers.

B. PRELIMINARY SURVEY AND MAPPING

These shall determine boundaries and provide stationing along control lines to establish feature and design criteria location and identify existing and future right-of-way limits and installation easements associated with the project.

C. PREPARATION OF DETAILED ENGINEERING AND DESIGN

Upon award of the design, build and supply contract, the winning bidder shall be responsible for the preparation and submission of all necessary detailed engineering investigations, surveys and designs as stated hereunder. DA RFO 5 has the right to require other documents as it may deemed necessary.

- 1) Survey Plan
- 2) Site Investigation Report
- 3) Soils and Foundation Investigation Report
- 4) Installation Materials Investigation Report
- 5) Design Plans Aside from the Architectural and Engineering plans required by the DA RFO 5, the following shall be required:
 - Furniture Lay-out Plan,
 - List of furniture and Specifications.
- 6) Technical Specifications
- 7) Bill of Quantities and Cost Estimates
- 8) Program of Work
- 9) Proposed Installation Schedule and estimated Cash Flow

- 10) Site or Right-of-Way Plans including Schedule of Acquisition (if applicable)
- 11) Utilities Relocation Plan
- 12) Design Report
- 13) Environmental Impact Statement for critical project as defined by the Department of Environment and Natural Resources (DENR)
- 14) Installation Safety and Health Program
- 15) Value Engineering Studies.

D. INSTALLATION AND COMPLETION STAGE

Procurement and Implementation of the project shall be governed by applicable provisions of R.A 9184 and its revised IRR.

- 1. No works shall commence unless the Service Provider has submitted the required documentary requirements, and the procuring entity has given written approval. Work execution shall be in accordance with reviewed and approved documents.
- 2. The Service Provider shall be responsible for obtaining all necessary information as risks, contingencies and other circumstances which may affect the works and shall prepare and submit all necessary documents specified by DA RFO 5 to meet all regulatory approvals as specified in the contract documents.
- 3. They shall also secure necessary permits and clearances such as Environmental Compliance Certificate (ECC) or Certificate of Non Coverage (CNC), occupancy and plant permits.
- 4. The Service Provider shall submit a detailed program of work within **fifteen (15) working days** after the issuance of the Notice to Proceed for approval by DA RFO 5 that shall include, among others:
- a) The order in which it intends to carry out the work including anticipated timing for each stage of design/detailed engineering and installation;
- b) Periods for review of specific outputs and any other submissions and approvals;
- c) Sequence of timing for inspections and tests as specified in the contract documents;
- d) General description of the design and installation methods to be adopted;
- e) Number and names of authorized personnel to be assigned for each stage of the work; List of equipment required on site for each major stage of the work; and
- f) Description of the quality control system to be utilized for the project.
 - 5. Any errors, omissions, inconsistencies, inadequacies or failure submitted by the Service Provider that do not comply with the requirements shall be rectified, resubmitted and reviewed at the Service Provider's cost. If the Service Provider wishes to modify any design or document which has been previously submitted, reviewed and approved, the Service Provider shall notify DA RFO 5 within a reasonable period of time and shall shoulder the cost of such changes.

VIII. MANDATORY REPORTS

The Service Provider/Supplier shall submit three (3) duly approved hard copies, and a soft copy of the following reports:

- A. <u>INCEPTION PLAN/REPORT</u> that contains the service provider's assessment and validation of the site, plan of action to achieve the target results of the project, following the prescribed format. This must be submitted **30 CD** after issuance of the Notice to Proceed;
- B. **PROGRESS REPORT** duly validated/approved monthly progress report by the site engineer detailing the activities, outputs, photo documentation and other developments per deliverables. Submissions shall be the basis of payments as well as corrections/recommendations;
- 3) OPERATION AND MAINTENANCE GUIDE of facility equipment and associated machineries that will be utilized in the project, which contains specific procedures, that the operators and technicians can use after turn-over. To be submitted prior to machinery acceptance testing; written in Filipino; 10 hard copies and an e-copy in Microsoft Word format; hard bound copies, using A4 size, substance 20 bond paper; Cambria, Font 12.
- 4) **TRAINING/COACHING SESSION REPORTS** on specific technology issues which contain the detailed outputs of the specialized consultation and advisory sessions between the service provider's technical experts and the operator/users. To be prepared after each session and attached as annex of the monthly progress report;
- 5) **TRAINING MODULES FOR THE TECHNOLOGIES** that shall be provided to the operators and technicians with easy-to-grasp lectures and materials for hands-on methodology. This will be prepared and approved by DA RFO 5 before the start of the training and should be attached as annex of the monthly/completion progress reports;
- 6) **AS BUILT PLAN** of all infrastructure and attached machineries/equipment as constructed.

IX. SCHEDULE OF PAYMENTS

Hereunder is the schedule of payment covering the implementation of the facility at **San Jose, Pili, Camarines Sur** in CY 2025.

TRANCHE	PERCENT PHYSICAL ACCOMP.	PERCENT PAYMENT	SCHEDULE OF FEES	REQUIRED OUTPUT
1 st	0%	15%	April 2025	Accepted and Approved Inception Report which includes but not limited to the following: Detailed descriptions of the project, its objectives, scope, expected outputs, interconnectivity aspect, work plan, and Gantt chart. Site Investigation Report: Comprehensive report detailing the findings and considerations for site development. Photo Documentation Meeting Minutes with DA RFO5: Documented discussion outcomes and agreements with the

TRANCHE	PERCENT PHYSICAL ACCOMP.	PERCENT PAYMENT	SCHEDULE OF FEES	REQUIRED OUTPUT
	ACCOM!			Department of Agriculture Regional Field Office 5.
2 nd	15%	15%	May 2025	Detailed Infrastructure Requirements: To be specified based on the submitted and accepted detailed timeline and schedule of activities. Approved plans and Estimate Monthly Progress Report Approved Statement of Work Accomplished Photo Documentation
3rd	40%	20%	July 2025	Detailed Infrastructure Requirements: To be specified based on the submitted and accepted detailed timeline and schedule of activities. Monthly Progress Report Approved Statement of Work Accomplished Photo Documentation
4 th	60%	20%	Septembe r 2025	Detailed Infrastructure Requirements: To be specified based on the submitted and accepted detailed timeline and schedule of activities. Monthly Progress Report Approved Statement of Work Accomplished Photo Documentation: Capturing geotagged photo of fabricated/installed components on-site. Approved training design and manuals for operators and technicians. Proof of Transactions: Documentation verifying transactions related to the fabrication/procurement stage of facility components.
5 th	85%	15%	November 2025	Detailed Infrastructure Requirements: To be specified based on the submitted and accepted detailed timeline and schedule of activities. Approved on-site inspection and monitoring report on the on-going installation of equipment Monthly Progress Report Approved Statement of Work Accomplished Photo Documentation Training and coaching documentation and report. Proof of Transactions: Documentation regarding the shipping of fabricated components/ordered equipment, ensuring traceability and accountability.
6 th	100%	15%	December 2025	Terminal Report Approved as-built plans and Estimate Approved Statement of work accomplished (SWA) PASSING RATE for acceptance testing report for machineries/equipment and facilities installed. Very satisfactory acceptance report

Before FINAL PAYMENT, the machines/equipment will be tested to determine functionality and satisfactory performance of the entire system in receiving and

securing samples, facility testing, results analysis and secure sample disposal without any glitches and standard performances recorded. The filled-out test report shall be an integral part of the requirements for the 100% payment. The 10% retention fee shall be automatically deducted for every billing.

X. CONTRACT DURATION

The Design, build and supply service provider is required to complete the Project within a period of **nine (9) months** to start upon the supplier's receipt and signing of Notice to Proceed. The time frame to be followed for the project is as follows:

ACTIVITIES				M	ON'	ГН			
ACTIVITIES	1	2	3	4	5	6	7	8	9
NTP Issuance									
Inception Report Submission									
Pre-Design									
Construction of frame, footing and roofing equipment									
Processing of permits and applicable clearances									
Installation of panels, cooling systems, storage facilities, electronics and electricals									
Training									
Acceptance testing for equipment and system operation									
Project turn-over to DA RFO 5									

XI. OTHER REQUIREMENTS

- 2) During POST QUALIFICATION, the following documents shall be required further. Non submission of such after deadline will result to disqualification of bidder:
- a. Design and Installation schedule and S-curve
- b. Manpower schedule
- c. Equipment utilization schedule
- d. Installation safety and health program approved by the Department of Labor and Employment
- e. PERT/CPM or other acceptable tools of project scheduling.
- f. Performance Evaluation Report of Single Largest Completed Contract (SLCC) of at least VERY SATISFACTORY rating.
- g. Proof of ownership of Production line of polyurethane (PU) panels

- h. Local/international recognition on cold storage or food plant set-up must be available.
- i. Authority to supply and install refrigeration equipment from the origin of imported goods.

XII. PROVISION OF TRAINING

To ensure the functionality and extended life of the project, identified facility technicians will be trained on the various operations and maintenance of the facility/equipment with cost shouldered by the supplier/service provider. The Service Provider shall prepare an Activity Design and Proposal, which must be approved by the Department of Agriculture. The Service Provider shall inform the DA at least five (5) days before the actual conduct of the activity.

XIII. OTHER INSTRUCTIONS AND PROVISIONS

- **A.** The Service Provider shall be responsible for obtaining all necessary information as to risks, contingencies and other circumstances which may affect the works and shall prepare and submit all necessary documents specified by the procuring entity to meet all regulatory approvals as specified in the contract documents.
- **B.** As a rule, changes in design and installation requirements shall be limited only to those that have not been anticipated in the contract documents prior to contract signing and approval. Change Orders resulting from design errors, omissions or nonconformance with the performance specifications and parameters and the contract documents by the Service Provider shall be implemented by the Service Provider at no additional cost to the procuring entity.
- **C.** The Service Provider shall provide all necessary equipment, personnel, instruments, documents and others to carry out specified tests.
- **D.** The procuring entity shall define the quality control procedures for the design and installation in accordance with agency guidelines and shall issue the proper certificates of acceptance for sections of the works or the whole of the works as provided for in the contract documents.
- **E.** All design, build and supply projects shall have a minimum **Defects Liability Period** of one (1) year after contract completion or as provided for in the contract documents. This is without prejudice, however, to the liabilities imposed upon the engineer/architect who drew up the plans and specification for a plant sanctioned under 1723 of the New Civil Code of the Philippines.
- **F.** The Service Provider shall be held liable for design and structural defects and/or failure of the completed project within the warranty periods specified in Section 62.2.2 of RA 9184 IRR-A.
- **G.** Direct Cost for the establishment of the facility including the installation of appropriate equipment shall be used exclusively for that purpose. Unutilized portions of the Direct Cost shall be used for some other deemed necessary for the operation of the project

such as additional plant, infrastructure, equipment, or machinery subject to approval of the Department of Agriculture.

- **H.** The service provider shall also establish a barracks equipped with water and electrical supply. The barracks should secure sub-metering service for both water and electricity connection before starting the project.
- **I.** As part of the management tool, monitoring, reporting support and as-built-plan preparation, one laptop (AUTOCAD-capable) and A-3 printer set shall be provided by the service provider on-site. The same will be donated to the DA RFO 5 after project completion.

XIV. MONITORING, EVALUATION AND CONTROL

The Head of Procuring entity shall establish a monitoring and evaluation mechanism to keep track of the performance of the Service Provider.

XV.AFTER-SALES AND WARRANTY

A. After-Sales Service for Facility and Machinery/Equipment

A warranty certificate for at least one (1) year upon the acceptance of the procuring entity of the machinery/equipment. Moreover, the manufacturer/distributor/dealer shall provide training on the operation, repairs, and maintenance of the machinery/equipment. Also, an Operator's Manual shall be provided containing full information on the method of installation and operation.

B. Warranty for Infrastructure Project and equipment

For infrastructure projects, pursuant to the Revised 2016 IRR of the RA 9184, the warranties shall be made:

- 1) From the time of project installation commenced up to final acceptance, the supplier shall assume full responsibility for the following:
 - a. Any damage or destruction of the works except the occasioned by force majeure; and
 - b. Safety, protection, security, and convenience of his personnel, third parties, and the public at large, as well as the works, equipment, installation and the like to be affected by his installation work
- 2) One (1) year from the project completion up to the final acceptance or the defects liability period.
 - a. The supplier shall undertake the repair works, at his own expense, of any damage to the infrastructure on account of the use of materials of inferior quality, within ninety (90) days from the time the HoPE has issued an order to undertake repair. In case of failure or refusal to comply with this mandate, the Procuring Entity shall undertake such repair works and shall be entitled to full reimbursement of expenses incurred therein upon

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b. The defect liability period shall be covered by the Performance security of the supplier, which shall guarantee that the supplier performs his responsibilities.

XVI. BID EVALUATION PROCESS

From eligibility screening to the determination of lowest bids, the summary of steps below shall be undertaken in the bid evaluation:

- **Step 1**: Screening of LEGAL documents (PASS/FAIL)
- *Step 2*: TECHNICAL Presentation (with outline)
- Step 3: TECHNICAL Evaluation (PASS/FAIL)
- Step 4: FINANCIAL opening
- **Step 5**: FINANCIAL bid Ranking to determine Lowest Calculated Bid (LCB) and so forth

A. **ELIGIBILITY REQUIREMENTS**

- 1) The eligibility requirements for Design and Build Infrastructure Projects shall comply with the applicable provisions of Sections 23-24 of IRR-A. 9.2. of RA 9184 otherwise known as "AN ACT PROVIDING FOR THE MODERNIZATION, STANDARDIZATION AND REGULATION OF THE PROCUREMENT ACTIVITIES OF THE GOVERNMENT AND FOR OTHER PURPOSES".
- 2) A modified set of requirements integrating eligibility documents and criteria for infrastructure projects and consulting services shall be adopted, as follows:

<u>Class "A" Documents (Legal, Technical and Financial Documents) and Class</u> "B" Documents

a) Class "A" Documents

Legal Documents

- 8. Valid and updated (Platinum Membership) Philippine Government Electronic Procurement System (PhilGEPS) with updated page 3, namely:
- Registration Certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for Sole Proprietorship, or Cooperative Development Authority (CDA) for Cooperatives and its equivalent document,
- ii. Mayor's of Business Permit issued by the City or Municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;
- iii. Tax Clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR); and
- iv. Audited Financial Statement (AFS) showing among others, the total and current assets and liabilities, stamped "received" by the BIR for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission.
 - 9. Tax clearance per E.O. 398, s. 2005, as finally reviewed and approved by the BIR.

Technical Documents

10. Statement of the prospective bidder of all its ongoing and completed government and private contracts, including contracts awarded but not yet

started, if any, whether similar or not similar in nature and complexity to the contract to be bid, within the relevant period as provided in the Bidding Documents. The statement shall include all information required in the PBDs prescribed by the GPPB.

- 11. Statement of the consultant specifying its nationality and confirming that those who will actually perform the service are registered professionals authorized by the appropriate regulatory body to practice those professions and allied professions, including their respective curriculum vitae.
- 12. Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of this IRR, within the relevant period as provided in the Bidding Documents in the case of Goods. The SLCC should be COLD STORAGE OR FOOD PLANT EQUIPMENT. It must be COMPLETED WITHIN THE LAST FIVE (5) YEARS.
- 13. List of Supplier's key personnel (e.g. Project Manager, Project Engineers, Material Engineers, and Foremen) to be assigned to the contact to be bid, with their qualification and experience data
- 14. Organizational chat of the technical experts/professionals who will be assigned full time to work on the project until completion.
- 15. List of equipment, vehicles and machinery/equipment including the manufacturing facility for the production of insulated polyurethane panels (P.U.) roll forming machinery and installation equipment that will be assigned full time and utilized for the duration of the project with corresponding proof of ownership and availability.
- 16. Bidder must be a certified owner of the production line of polyurethane panels (PU) to be assured of quality and product integrity during supply, installation and warranty period for the project.
- 17. Certification that the company is recognized internationally or locally (with at least ten (10) year's experience) by any organization on cold storage or food plant set-up must be available.
- 18. Authority to supply and install refrigeration equipment from the origin of imported goods.
- 19. Duly signed **Omnibus Sworn Statement** (OSS), and if applicable, notarized Secretary Certificate if Corporation, Partnership, or Cooperative, or Special Power of Attorney

Financial Document

20. The prospective bidder's audited financial statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding

calendar year which should not be earlier than two (2) years from the date of bid submission. The prospective bidder's computation of Net Financial Contracting Capacity (NFCC). A bidder may submit a committed Line of Credit from a Universal or Commercial Bank, in lieu of its NFCC computation.

- 21. Duly accomplished Detailed Estimate Form, including a summary sheet indicating the unit prices of installation materials, labor rates, and equipment rentals used in coming up with the bid;
- 22. Cash Flow by quarter for the project

b) Class "B" Document

Joint Venture Agreement (JVA)

- a) In the technical requirements, the design and build supplier (as solo or in joint venture/consortia) should be able to comply with the experience requirement under the IRR-A of R.A. 9184, where one of the parties (in a joint venture/consortia) should have at least one similar project, both in design and installation, with at least 50% of the cost of the ABC.
- b) If the bidder has no experience in design and build projects on its own it may enter into partnerships or joint venture with design or engineering firms for the design portion of the contract.
- c) The relevant provisions under Section 23.11.2.1 of the IRR-A of R.A. 9184 on eligibility requirements shall be observed, with the following exceptions:

Joint ventures/consortia among Filipino suppliers and consultants or among Filipino suppliers and foreign consultants shall be allowed subject to pertinent laws and the relevant provisions of the IRR-A of R.A. 9184. The joint venture/consortia shall be jointly and severally responsible for the obligations and the civil liabilities arising from the design and build contract: Provided, however, That Filipino ownership or interest thereof shall be at least seventy five percent (75%): Provided further, That joint ventures/consortia in which Filipino ownership or interest is less than seventy-five percent (75%) may be eligible where the structures to be built require the application of techniques and/or technologies which are not adequately possessed by Filipinos and that Filipino ownership or interest shall not be less than twenty-five percent (25%): Provided, finally, that when the design services in which the joint venture wishes to engage involve the practice of professions regulated by law, all those who will actually perform the services shall be Filipino citizens and registered professionals authorized by the appropriate regulatory body to practice those professions and allied professions and where foreign designers are required, the foreign designer must be authorized by the appropriate Philippine Government professional regulatory body to engage in the practice of those professions and allied professions.

For Infrastructure Projects, joint venture (JV) suppliers shall submit a joint venture agreement (JVA) in accordance with R.A. 4566 otherwise known as "AN ACT CREATING THE PHILIPPINE LICENSING BOARD FOR SUPPLIERS, PRESCRIBING ITS POWERS, DUTIES AND FUNCTIONS, PROVIDING FUNDS THEREFOR, AND FOR OTHER PURPOSES" and its IRR.

Each partner of the joint venture shall submit their respective PhilGEPS Certificates of Registration in accordance with Section 8.5.2 of this IRR. The submission of technical and financial eligibility documents by any of the joint venture partners constitutes compliance: Provided, That the partner responsible to submit the NFCC shall likewise submit the Statement of all of its ongoing contracts and Audited Financial Statements.

All above stated documents shall be checked as to validity, accuracy and completeness. Each item will indicate whether the prospective bidder passed the initial screening. Upon completion, the BAC shall declare which prospective suppliers passed the fist step and are qualified to present their technical proposal.

B. TECHNICAL PROPOSAL SCREENING

Qualified Suppliers will be screened technically by the BAC through the assistance of the Design, build and supply Committee (DBC) duly created solely for the procurement of this project by virtue of "Clause 6" of Annex 'G' IRR/ R.A. No. 9184. The following steps shall be undertaken in the bid evaluation:

First-Step Procedure:

- I. The first step of the evaluation shall involve the review of the preliminary conceptual designs and track record submitted by the supplier as indicated in the bid documents using a non discretionary "pass/fail" criteria that involve compliance with the following requirements:
- a. Adherence of preliminary design plans to the required performance specifications and parameters and degree of details;
- b. Concept of approach and methodology for detailed engineering, design and installation with emphasis on the clarity, feasibility, innovativeness and comprehensiveness of the plan approach, and the quality of interpretation of project problems, risks, and suggested solutions;
- c. Quality of personnel to be assigned to the project which covers suitability of key staff to perform the duties of the particular assignments and general qualifications and competence including education and training of the key staff;

Since the project is highly specialized involving advanced engineering technology, all eligible suppliers shall be required to make a 30 minutes oral presentation immediately after the review of legal documents have been concluded. The eligible suppliers shall make a presentation based on a guide outline. Draw lots will be done to determine the order of presenters among the suppliers. The suppliers will be notified thru the Invitation to Bid (ITB) form that those who qualified the eligibility check will be required to prepare a 15-30 minute technical presentation using a template provided as part of the Terms of Reference (TOR). Contents of the outline shall correspond to the major aspects in which they will be qualified or

disqualified. Those that will qualify will be subjected to the opening of the financial form to determine the lowest calculated bidder (LCB) and so forth.

Second-Step Procedure:

Only those bids that passed the above criteria shall be subjected to the second step of evaluation. The BAC shall open the financial proposal of each "passed" bidder and shall obtain the correct calculated prices. The financial bids as so calculated shall be ranked, in ascending order, from lowest to highest. The bid with the lowest price shall be identified as the Lowest Calculated Bid (LCB).

C. TECHNICAL PRESENTATION

The outline below shall be the basic content of the presentation.

Brief Company	Profile
Differ Confident	1 1 01110

International/Local Certifying Credential on cold storage or food plant set-up

Design, build and supply experiences

Details of single Largest Completed Contract with pictures

Preliminary Conceptual Design Plans (with floor and elevation plan) and machinery/equipment (with pictures and specification) to be put up.

Design and installation methods to be employed

List of design and installation personnel, to be assigned to the contract to be bid, with their complete qualification and experience data.

List of equipment to be utilized for the project with details

Value engineering analysis of design and installation method.

Milestone targets and timelines of major activities

Interconnectivity aspect of the design and facility operation

Authority to supply and install cold storage or food plant set-up

D. ASPECTS FOR EVALUATION (PASS/FAIL)

1) EXPERIENCE RELATIVE TO THE PROJECT

Annex G of the IRR states that "In the technical requirements, the design, build and supply supplier (as solo or in joint venture/consortia) should be able to comply with the experience requirement under the IRR-A of R.A. 9184, where one of the parties (in a joint venture/consortia) should have at least one similar project, both in design and installation, with at least 50% of the cost of the ABC. If the bidder has no experience in design, build and supply projects on its own it may enter into partnerships or joint venture with design or engineering firms for the design portion of the contract."

2) ADHERENCE OF PRELIMINARY DESIGN PLANS AND MACHINERY TO THE REQUIRED PERFORMANCE SPECIFICATIONS AND PARAMETERS AND DEGREE OF DETAILS

As a prospective design, build and supply provider, the bidder must demonstrate deep understanding of what the project is about and relate to the intentions of the DA RFO 5 as the implementor. To gauge their understanding of the project , the

suppliers will be requested to explain how they understand the project based from the details of the TOR and how they intend to tackle the design and installation phase of the project.

As basic requirement, they must be able to present an: a) floor plan, and b) elevation plan for infrastructures and manufacturers specification for the facility machineries/equipment and screen shot with sufficient detail for deliberation. Each component detail and minimum drawing must be available.

COMPONENT	DESCRIPTION/DETAIL	PASS/FAI L
Plant Requirements	Degree of details	
Traine requirements	Performance specifications and parameters	
Equipment Specification	Degree of details	
Requirement	Performance specifications and parameters	

3) QUALITY OF CONCEPT/APPROACH AND METHODOLOGY FOR DETAILED ENGINEERING, DESIGN AND INSTALLATION

The prospective suppliers shall present their proposed methodology and strategy to be utilized in the design, build and supply process. This will be gauged by the committee members if clear, complete and logical enough in accordance to the specific aspects such as civil, electrical, mechanical, architectural and chemical aspect of the project. Each member shall evaluate the suppliers based on their area of expertise to compose the unified evaluation form.

Thus it is expected that the suppliers must be able to explain and elaborate clearly how they intend to accomplish the deliverables starting from the preliminary activities up to project completion with logical sequence of activities as stated in the Terms of Reference (TOR) or with additional most appropriate modification presented.

COMPONENT	DESCRIPTION/DETAIL	PASS/FAIL
Clarity of presentation	Overall aspect of presentation (@ least 80% of presentation should be clear and related to the project)	
Quality of interpretation of project problems	Does design relates well with the project to be put-up (@ least 80% of design matches project principles)	
Comprehensiveness of the plan approach	Details of each project components (@ least 80% of proposed plan approach logical and matches or better that expected)	
Feasibility of at least 75% of designs	Practicality of designs and conformance to standards	

COMPONENT	DESCRIPTION/DETAIL	PASS/FAIL
Willingness to bargain for remaining 25% of design	Will be discussed later on a separate meeting if lowest bidder or only remaining qualified.	
Innovativeness	With unique and relevant method or advanced technology to be utilized specific for the project	
Identified risks, and suggested solutions	Ability to present possible project risk and suggestions to mitigate or resolve these. (@ least 80% of design matches project principles)	

4) PROJECT RISK AND ISSUES IDENTIFICATION

As technical experts, the suppliers must be able to identify possible project problems and risk and clearly identify solutions how these risk will be addressed or solved beforehand to avoid unnecessary issues and delays.

5) STAFF QUALITY AND ADEQUACY

The list of design and installation personnel stated in the bid form, to be assigned to the project with their complete qualification and experience shall be reviewed and examined if matching the minimum numbers detailed below: The bidder passes if their assigned staff have met the minimum numbers, qualification/competence and work experience:

FULL TIME MANPOWER	QUANTITY	QUALIFICATION
Project Manager/Engineer	1	Licensed Civil Engineer With 10 or more years of experience
Cold Storage or Food Plant Designer		With 10 or more years of experience in cold storage or food plant design with proven track record
Site Engineer	1	Licensed Civil Engineer With 5 or more years of experience With experience in cold storage and food plant design, build and supply
Site Engineer	1	Licensed Civil Engineer/Professional Mechanical Engineer/ABE With 5 or more years of experience With experience in cold storage and food plant design, build and supply
Mechanical Engineer	1	Licensed Professional Mechanical Engineer (PME) With 10 or more years of experience With experience in cold storage and food plant design, build and supply
Electrical Engineer	1	Licensed Professional Electrical Engineer (PEE) With 10 or more years of experience With experience in cold storage and food plant design, build and supply
Material Engineer	1	Licensed Civil Engineer With 5 or more years of experience as Material Engineer
Sanitary Engineer	1	Licensed Sanitary Engineer With 5 or more years of experience With experience in cold storage and food plant design, build and

		supply
Master Plumber	1	Licensed Master Plumber With 5 or more years of experience
Installation Foreman	1	With 5 or more years of experience
Skilled Labor	5	Can be reinforced during 24-hour rotation
Safety officer	1	Safety Officer 2 Certified/License With Installation and Occupational Safety and Health (COSH) training completed With 2 or more years of experience
Unskilled Labor		Adequate and may be reinforced during 24-hour rotation

6) VALUE ENGINEERING ANALYSIS OF DESIGN AND INSTALLATION METHOD

Value engineering is a systematic method to improve the value of goods or products and services by using an examination of function. Thus, the prospective bidder must be able to present a value engineering methodology or program they intend to utilize and expected benefits that will be derived per specific process/function as well as cost reduction targets before a certain design will be implemented.

7) MINIMUM EQUIPMENT REQUIREMENT

The list of Minimum Equipment to be permanently assigned to the project as stated in the bid form shall be reviewed and examined if matching the minimum numbers detailed below: The bidder passes if their assigned numbers with corresponding evidences have met the minimum numbers:

DESCRIPTION	NUMBER	DETAIL/PLATE NO./PROOF AVAILABILITY	AVAILABLE (PASS)/ NOT AVAILABLE (FAIL)
Dump truck	2		
Production line of polyurethane (PU) panels	1		
Transit Mixer	1		
Roller Compactor	1		
Back Hoe	1		
Concrete Mixer 1 bagger	1		
Concrete Vibrator	1		
Generator Set	1		
Water Supply Truck	1		
Heavy Duty Welding Machine	2		
Bar Cutter	1		
Grinder	1		
Electric Drill	1		
Jack Hammer	1		
Grinder	3		
Electric Drill	3		
Jack Hammer	1		

8) DESIGN INTERCONNECTIVITY

The essence of a good facility layout and design is the integration of the needs of people and equipment in such a way that they create a single, well-functioning system. The overall design of the project is expected to function interconnectedly not only to comply with existing laws but for maximizing the space and the effectiveness of the facility while maintaining safety and meeting the needs of farmer clienteles. Specifically, the intended functionality of each piece of equipment and facility and its relation to the overall services provided therein must be met. Thus, the bidder must be able to associate and relate the overall concept of their intended design in relation to the intentions of the facility.

ANNEX A-Detailed Engineering Design (DED) & Plans For the DESIGN, BUILD AND SUPPLY OF MEGA COLD STORAGE FACILITY

HAND PALLET TRUCK



Specification

Max. Fork Height: Min. Fork Height: Load Capacity: inch 7.5 inch 3.0 LB 5500

Load roller Single:

inch Ф2.9 X 3.6

inch 6.3 X 2.0

inch 20.5 / 27.0

inch Ф 7 X 2.0

inch Ф2.9 X 2.8

inch36.0 / 42.0 / 48.0

FORKLIFT



ENGINE
Number Of Cylinders:
Engine Model
Power

Torque Power Measured Torque Measured

@ 3000 rpm @ 2000 rpm PSI 3.0L 60.5 kw 202.1 Nm

TRANSMISSION

Number Of Front Wheels: Number Of Rear Wheels:

OPERATIONAL
Operating Weight:
Tire Type:

26699 kg Cushion 4 2

Travelspeeds (Frwd) Speed Range: Travelspeeds (Backwrd) Speed Range: Transmission Type: Hydrostatic

22

BRAKE Service Brake: Parking Brake:

Standard_Rear: Standard_Option_Front 28 X 10 X 22 28 X 10 X 22

DIMENSION
Length To Fork Face:
Overall Width:
Overall Height. Mast Lowered:
Wheelbase:
Ground Glearance:
Height To Top Of Overhead Guard:
Max Fork Height. 5142mm 1828.8mm 2717.8mm 3708.4mm 165.1mm 2357.31mm 2654.3mm

MONITORING EQUIPMENT

B

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X CHAME

Topology Diagram of Cold Storage Mar



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Integrated 4G SIM DATA to create the Internet ROUTER

Digital I/O: 8xDIO (with Ext up 32DI/32DO). RS485: Dual-Core Tensifica LX6 240MHz, RTC, 4 MB SRAM, 4MB SPI.
MODBUS MASTER (connect: max 8 Slave). 4x DI Protection : Over-Voltage 30VDC-4x DO, Relay, Current 1 0A, 300W.

4x Ai (4 ~ 20mA), Protection.
802.1 1 big/n up 1 6mbps.
9~30 VDC.
-40 ~ 85°C, humidity 5 ~ 95% RH (no condensation).

IoT GATEWAY

Wide temperature range: -50 ° C to 200 ° C
Analogue current output [mA]: 4-20mA
Technology standards: IP67; FB8; IP69K
LED board: and humidity value.

TEMP. SENSOR

Remote monitoring system:
Allows setting the allowed temperature
threshold. When the temperature exceeds
the set threshold, an alarm will be triggered

SMS alarm, set unlimited phone number for receiving messages. Available SIM module, Wi mother and view the alert status of the system via webserver software, Smathphone Export reports of warning events from time to time in excel

Recommending Approval:	Approved by:	Name of Project:
		ESTABLISHMENT OF MEGA COLD STORAGE
		LOCATION: SAN JOSE, PILI, CAMARINES SUR SUR
MARY GRACE DP. RODRIGUEZ, PhD RODEL P. TORNILLA, MABE	RODEL P. TORNILLA, MABE	Source of fund:
OIC, RTD for OPERATIONS	REGIONAL EXECUTIVE DIRECTOR	AS SHOWN ABOUT

AS SHOWN ABOVE

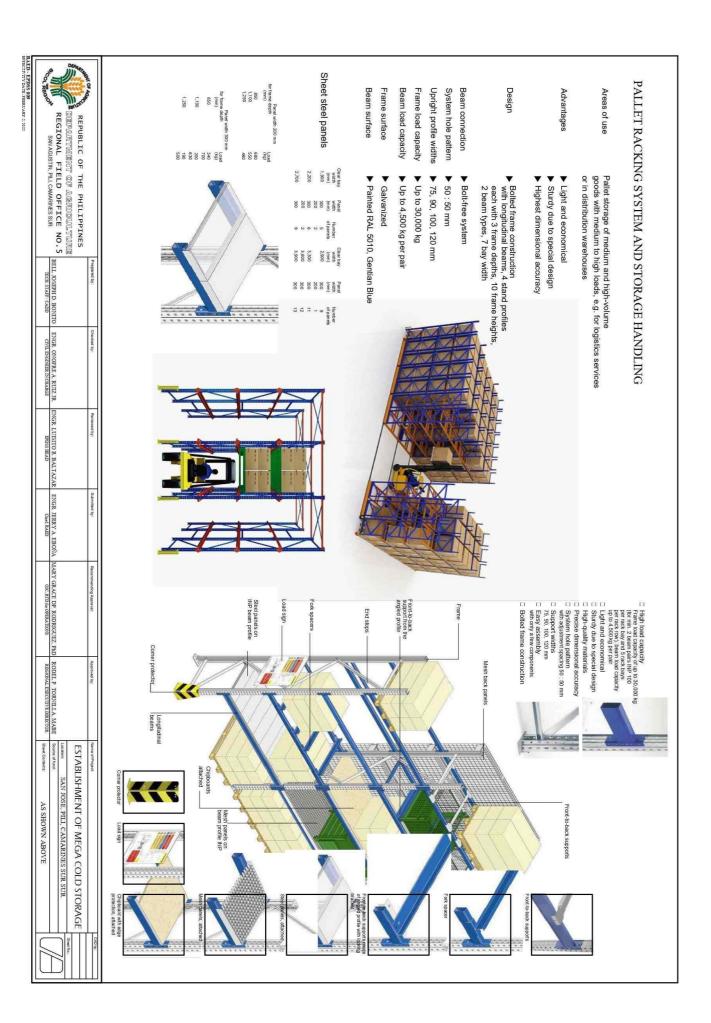
*DEPARTMENT OF AGRIGULTURE REGIONAL FIELD OFFICE NO.5 REPUBLIC OF THE PHILIPPINES

BELL JOSEPH D. BONITO
TECH STAFF CADD

ENGR. ONOFRE A RUIZ JR. CIVIL ENGINEER IN CHARGE

ENGR LUISITOR BALTAZAR
EPDSS HEAD

ENGR JERRY A EBOÑA Chief, RAED



GENERATOR



Every strip curtain door comes complete with PVC strips and universal hardware for mounting strip curtain. Simple to follow installation instructions are included in every package.

- Determine inside width and height of door opening.

 Note: If mounting on door above lintel, measure from floor to mounting

 Local Company.

 The state of the
- height

 2. Select type of PVC material required: STANDARD or LOW TEMP.

 2. Standard recommended for temperatures from 23°C to 66°C.

 Low Temp recommended for metric use only for temperatures from 40°C to 66°C.

 3. Select from the standard sizes listed in the chart below.

 Note: If required size is not available, order the next largest size. Installation instructions describe how simple framming can existom fit atmost any door opening.

 4. Special size doors and language applications are available upon request.

 5. For overhead doors, please call one of our sales representatives for assistance.

STANDARD DOOR SIZES

 Strip Size
 Door Opening W'x H' Wt. lbs. Model No. Standard Model No. Low Temp.

 8"
 4 x 7
 25
 KF022
 KF004

 (8" x 0.080)
 5 x 8
 35
 KF023
 KF005

 8 x 8
 40
 KF024
 KF006

 8 x 8
 80
 KF026
 KF008

 12"
 8 x 10
 100
 KF025
 KF007

 (12" x 0.120)
 10 x 10
 125
 KF020
 KF002

 Note: Doors with 8" strips have 2" standard overlap. Doors with 12" strips have 4" standard overlap.





tance.	

Compression Ratio	15.0:1
Speed Governor	Electronic
Cooling System	Forced Water Cooling Cycle
Starter Motor	DC24V electrical starting
Exhaust System	
Exhaust Gas Flow (kg/min)	23
Standby Power	000
Prime Power	580
Max Back Pressure(kPa)	10
Air Intake System	
Max Intake Restriction(kPe)	
Dirty Element	6.2
Clean Element	3.7
Air Flow(its)	281
Fuel System	
Type Injection System:	BYC PB Direct Injection
110% (Standby Power) Load (L/H.)	76
100%(Prime Power) Load(L/H.)	88
75%(Prime Power) Load(L/H.)	50
50%(Prime Power) Load(L/H.)	34
25%(Prime Power) Load(L/H)	10
Oil System	
Maximum Oil Temperature	121
Oil Pressure at Rated RPM	276-414
Minimum Required Lube System Capacity (L)	32.4
Cooling System	
Coolant Capacity - Engine Only(L)	THE STATE OF THE S
Thermostat range	83-92
Max Water Temperature Standby/Prime	110/104
Specification of alternator	
Alternator Rated Power	300KVA/240KW
Rated Voltage	416/
Rated fequency	50HZ
Connecting Type	3 Phase and 4 Wires
Number of Bearing	h h
Protection Grade	IP23
Attitude	\$ 1000m
Exciter Type	Brushless , Self-exciting, AVR automatic voltage regulating, 100% Cooper winding wire
Table Control	

ľ					The second	735		NAME OF STREET										-			
	を持ち			1				/								-	T				
Sound Attenuated	Rainproof Cabinet	Heater Preservation Cabinet	Sound Attenuated Endosure	Optionals		Manuals: Standard	Batery: High	Silencer: Heavy du	Base: Hap	Vibration: Vibr	Radiator: Cummins 50°C	Breaker: Manual d	Controller: Automa	Attemator: STAMFORD	Scope of standard supply			Engine and ge			Standard Specification
Sound Attenuated Container (20GP/20HC/40HC)	1.70%	in Cabinet	Endosure			fanuals: Standard tools, operator's manual of engine "alternator", controller, breake	High capacity sealed free misintenance battery G/W battery cables	Silencer: Heavy duty industrial type silencer with flexible bellow, albow	Heavy duty steel channel base frame	Vibration damper installed between the engine/allemator and the base frame	50°C	Breaker: Manual circuit breaker 3-pole	Controller: Automatic controller DSE7320MKII with AMF function	ORD	dard supply	1500	Engine Speed (RPM)	Engine and genset output rating	240/415V	Voltage	ification
						mual of engine ,	maintenance b	ncer with flexibi	base frame	d between the			20MKJI with AM			290/389	Prime (KW/HP)	ng	ZH05	Frequency	
Synchronization System	Remote Control System	Automatic Transfer Switch (ATS	Oil WaterFuel Heating system			alternator, controlle	stery C/W battery o	e bellow,elbow		engine/silemstor sn			function			320,429	Standby (KW/HP)		3	Phase	
tem	tem	Switch (ATS)	ting system			r, breaker	ables			d the base frame.						KH-240GF	Genset Model		(griggel)8.0	Power Factory	
Maintainance Spare Parts	Output Cable	Daily Fuel Tank	Anti condensation heater													300/240	Prime (KVA/KW)		IP23	Protection Class	
e Parts			heater													330/264	Standby (KVA/KW)		I	Insulation Grade	

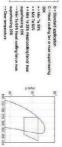
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EPDSS HEAD	ENGR LUISITO R BALTAZAR				neverseu by.	Basilandala	
Chief, RAED	ENGR JERRY A EBOÑA				Sabilitation of	Control based to a	
OIC, RTD for OPERATIONS	BELL JOSEPH D. BONITO ENGR. ONOFRE A. RUIZ JR ENGR. L'UISITO R. BALTAZAR ENGR. JERRY A. EBOÑA MARY GRACE DP. RODRIGUEZ, PhD RODEL P. TORNILLA, MABE Source of trast				necommencing Approval.		
REGIONAL EXECUTIVE DIRECTOR	RODEL P. TORNILLA, MABE				Approved by:		
Sheet Contents:	Source of fund:	Location: S	ESTABLE	וויייייייייייייייייייייייייייייייייייי	regine or region.	Manager of Page 1999	
AS SHOWN ABOVE		SAN JOSE, PILI, CAMARINES SUR SUR	STABLISHMENT OF MEGA COLD STORAGE	THE PERSON OF TH			
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Silent Type

COMPRESSOR







000000000000000000000000000000000000000	-245	s (kfa) 8	200
8 80		8	
		A	

Standard conditions 79290 W 31.69 kW 110.98 kW 2.60 2221.5 kg/h

At evaporator 79290 W 31.69 kW 110.98 kW 2.50 2221.5 kg/h 55.5 A 82.6 °C

260.0 A

A - Oil sight class
B - Oil drange plug
C - Low pressure connection
D - High pressure connection
E - Oil drain plug
F - Orankoase heater
G - Oil return plug

Length (L) 2170 Width (W) 600 Height (H) 900

]]]

z <u>m</u> m 900 925 492

		10		Owe	99
*	1	100		Overall dimensions from	submy saw
7 2				inml C (1/8"NPT)	
2 2	1		HB .	S. D	
G ILAM, SUI D	188	10 466		O (3/4"NPT) M DL	
305		1		N.S.D.H.	0.842

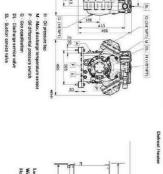
Technical data No. cylindere Bore Stroke Displacement (8 50 Hz Di 5.0 75.0 60.0 138.37 166.04 544. 424. 3.5 [mm] [mm] [m/h] [m/h] [mm] [mm] [tg]

Surface AirFlow Tube Volume

61.9 m² 15,800 m³/Hr 22.1 L

calion
Connection
Inlet
Outlet
Drain fitting

15 8mm (5/8") 35mm (1.3/8") 1.1/4"



EVAPORATOR

CONDENSER

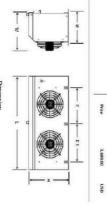


	d both sides	Aluminum powder coates	-
10	_ B	12/6 mm TD	Fin Spacing
-27	Air Out Temp	Aluminium Fin	
-	Air Inlet	R404a	
ь	Evaporator Temp	20 08 kW	

27.9 Meters	Air Throw			evel 3M
1. All Amp	Motor Current		74	ound Pressure
	(Per Fan)	460 V 3 Ph 60 Hz	460 V	ower Supply
930 Watt	Power Consumption		500	an Blade Diameter
1700 Rpm	Motor Speed		N	o of Fan

5 x 22

W.



	=	7
		A
<u>. </u>		15
	1	

28.08 W Candensing Femp 45 C RHU4A Anchemit 35 C Blue Coaled In The Steel Feeder's Topic Teat of Teat	Surface 97.3 AirFlow 10,500	Casing Material Zinc		Fin Material Blue	Refrigerant	Capacity
entiang Temp 45 97. 35 10.0		Steel Fowder Coated	2.5 mm	Coated Fin	R404A	28.08 kW
0 -	ffication Connection Inlet Outlet			TD	Ambient	Condensing Temp
7887	DOWN.			10.0	35	45
	78			c	0	0

Fan Blade Diameter Power Supply Sound Presure Level 10M	No of Fan	Surface AirFlow Tube Volume
450 mm PL-460 V 3 Ph 60 Hz 42 dB(A)	2 5	97.3 m ² 10,600 m ³ /Hr 16.8 L
Power Consumption (PerFan) Motor Current	FAN Motor Speed	Connection Inlet Outliei
490 Watt	1590 Rpm	7/8°

Length (L) Width (W)	* WARRANAMAN
1395 450 765	
Dimension	
	<u>.</u>

REPUBI DEPAR REGION

RAED - EPDSS 009 EFFECTIVITY DATE: FEBRUARY 2, 2022

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verment of agriculture						
ONAL FIELD OFFICE NO. 5 BELL JOSEPH D. BONITO ENGR. ONOFRE A RUIZ JR. ENGR. LUISITO R. BALTAZAR ENGR. JERRY A EBOÑA MARY GRACE DP. RODRIGUEZ, Ph.D. RODEL P. TORNILLA, MABE SAN AGISTRIN DEL CAMADINES SUD	BELL JOSEPH D. BONITO	ENGR ONOFRE A RUIZ JR	ENGR LUISITO R BALTAZAR	ENGR JERRY A EBOÑA	MARY GRACE DP RODRIGUEZ, PhD	RODEL P. TORNILLA, MABE
OTHER PROPERTY IN COMPANY OF THE POST	TECH, STAFF / CADD	CIVIL ENGINEER IN CHARGE	EPDSS HEAD	Chief, RAED	OIC, RTD for OPERATIONS	REGIONAL EXECUTIVE DIRECTOR

ESTABLISHMENT OF MEGA COLD STORAGE

AS SHOWN ABOVE

Price

1,991.81

USD

INSULATED DOORS

LOADING BAY SECTIONAL DOOR







- By using poly-urethane foam, insulation effect of door is increased Door is easily to open and close with the weight being 1/3 less than the ordinary door type The corrosion is prevented by using aluminium, anti bacterial plastic and stainless steel
- at surface of door, handle, and fastener parts

 The series of doors are suitable for all HACCP (Hazard Analysis Critical Control Points)
- Gasket packing materials anti-moulds & bacterial treatment for strong oil resistant and a long shelf life, extreme low temperature use(up to -70 °C), gives a high insulation effect by 4 times sealing structure. FLOOR HEATER Fast and transferring heat to the floor Avoiding Ice Built Up underneath doors





	SAN AGUSTIN PILL CAMABINES SUB	STONAL ETELD OFFICE NO 5	PARTMENT OF AGRICULTURE	PIRETC OF THE PHTE TERTNES		
TECH, STAFF / CADD	BELL JOSEPH D. BONITO				Prepared by:	
CIVIL ENGINEER IN CHARGE	ENGR ONOFRE A RUIZ JR.				Checked by:	
EPDSS HEAD	ENGR LUISITO R BALTAZAI				Reviewed by:	
Chief, RAED	R ENGR JERRY A EBOÑA				Submitted by:	
OIC, RTD for OPERATIONS	BELL JOSEPH D. BONITO ENGR ONOFRE A RUIZ JR. ENGR LUISITO R BALTAZAR ENGR JERRY A EBOÑA MARY GRACE DP. RODRIGUEZ, PhD. RODEL P. TORNILLA, MABE				Recommending Approval:	
REGIONAL EXECUTIVE DIRECTOR	RODEL P. TORNILLA, MABE				Approved by:	
Sheet Combanis: AS SHOWN ABOVE	Source of fund:	Location: SAN JOSE, PILI, CAMARINES SUR SUR	ESTABLISHMENT OF MEGA COLD STORAGE		Name of Project:	
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RAED - EPDSS 009 EFFECTIVITY DATE: FEBRUARY 2, 2022

REGI REPL De

Long self-life, 500 W electric consumption – self-heating

Easy installation, small space required,

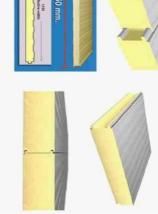






POLYURETHANE INSULATED PANEL

Plain type skin and Corrugation type skin connection with Tongue & groove (male and female)



COIL (SKIN)

Thickness of Inches

PROTECTIVE LAYER (PE Film)TOP COATING SP, POLYESTER
PAINT, PYDF, PLASTISOL(PVC)

ZINC COATING -EPOXY BACKCOAT

œ 6 5 4

PROTECTIVE LAYER (PE Film) ALUMINUM ZINC COATING .

■ (above 75 mm thickness panel, industrial size, depending on customer's request with or without) ■ Standard cum-lock spacing at the panel to the p

- Corner wall (used for IQF Systems,









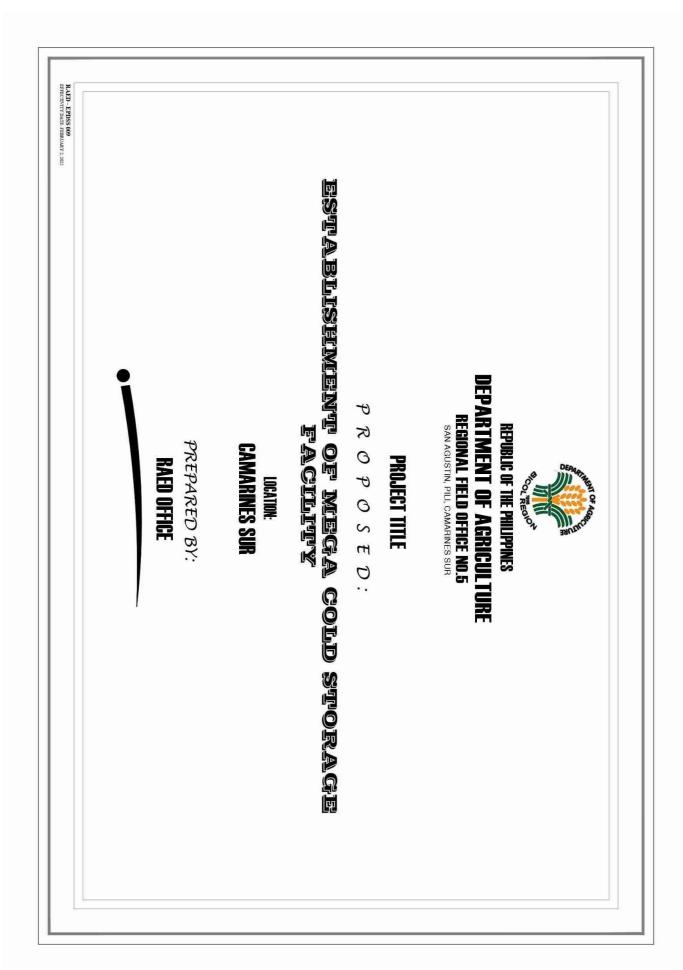


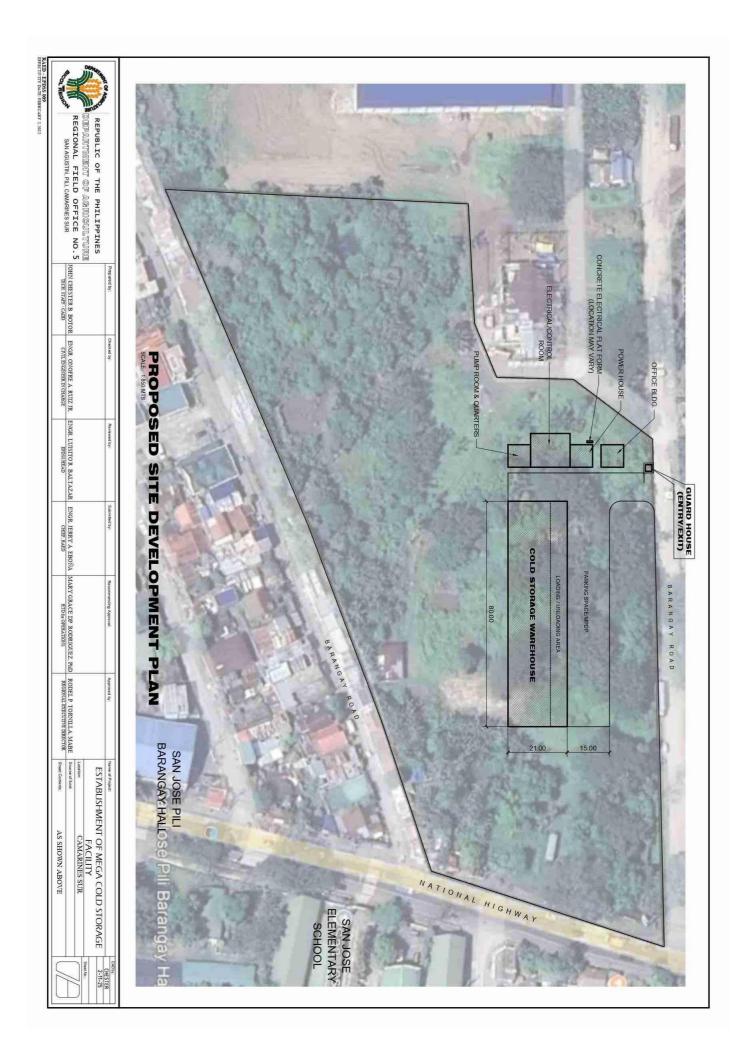
Thicknes	Thickness of Panel	Recommendable Temperature
Inches	3	Range
2	50	(+) 20 ºC - (+) 05 ºC
3	75	(+) 05 ºC - (-) 05 °C
4	100	(-) 00 ºC − (-) 20 ºC
5	125	(-) 20 ºC - (-) 25 ºC
6	150	(-) 20 ºC - (-) 40 ºC
8	200	(-) 25 °C - (-) 60 °C



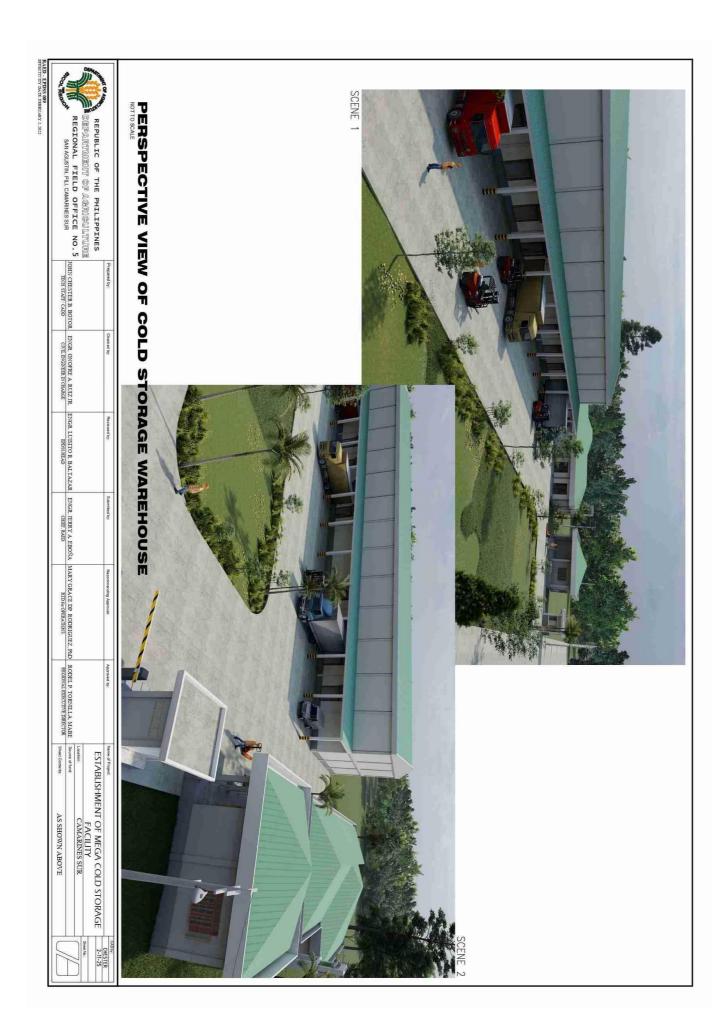
11.28 m² hr ºC/k cal	8	7	(n	_	2		Panel Therm
	8.51 m ² hr ⁹ C/k cal	7.12 m² hr ºC/k cal	5.73 m² hr ºC/k cal	4.34 m² hr ºC/k cal	2.95 m² hr ºC/k cal	(R-Value)	Thermal Resistance Value
		Effective Width	Thermal Conductivity Fire retardant class	S S S S S S S S S S S S S S S S S S S	Plain or Corrugated	Skin ;	Blowing Agent

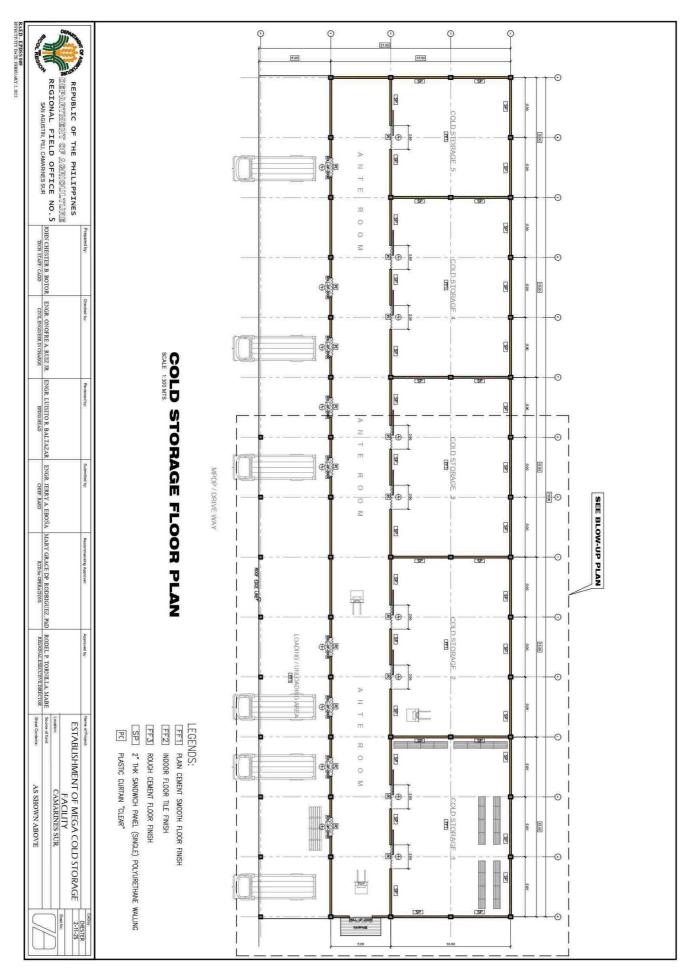
Core	: Polyurethane (PUR) Foam	
Density	: 40 + 5 to 8 kg/m³	
Blowing Agent	: Cyclo-Pentane	
skin ;	Polyester Resin Coated G.L.(PVDF	Polyester Resin Coated G.L.(Galvalume) and G.I.(Galvanized Iron) PVDF
Plain or Corrugated	4) ABS sheets with 1.5 mm and 2.0mm Thickness	2.0mm Thickness
type	 Stainless steel 304, Aluminu Kraft Paper / Alukraft 	Stainless steel 304, Aluminum, Cement boards by requirement Kraft Paper / Alukraft
Thermal Conductivity	: 0.018 k Cal / m h ºC	
Fire retardant class	: Class B, mixing a self-extinguishing catalyst	ning catalyst
Effective Width	: 1200 mm W	
Length	: Small Bed =	1200 mm W x 4,200 mm L
	: Medium Bed =	1200 mm W x 6,600 mm L
	: Large Bed =	1200 mm W x 11,400 mm L
	: Large Bed =	1200 mm W x 12,400 mm L
End Connection	: Tongue and groove / plain	

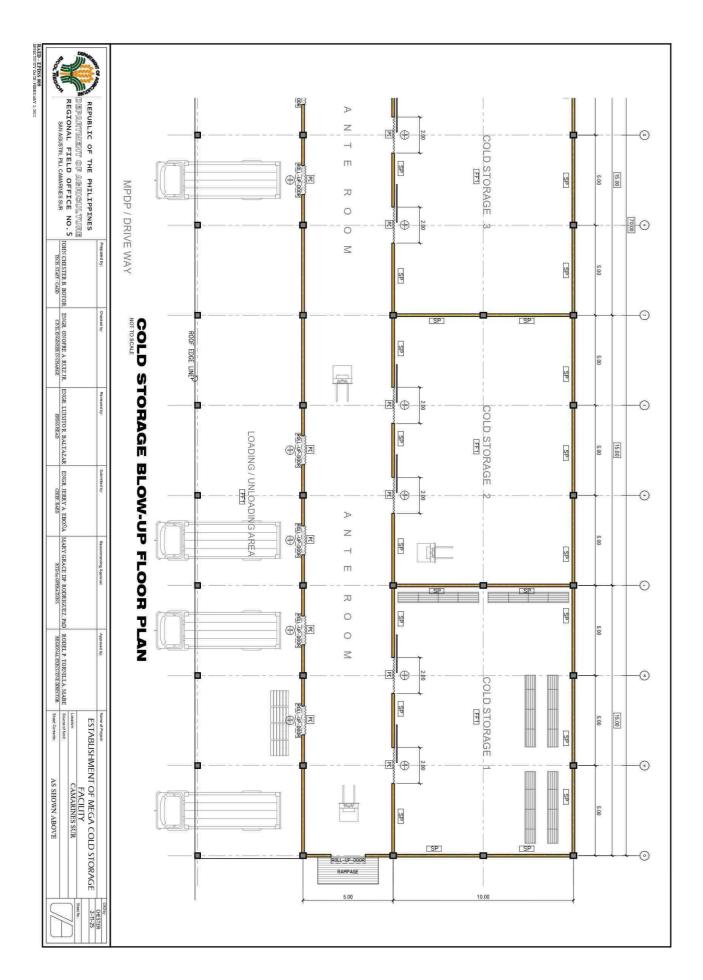












ANNEX B-Bill of Quantities (BOQ) For the DESIGN, BUILD AND SUPPLY OF MEGA COLD STORAGE FACILITY



Republic of the Philippines DEPARTMENT OF AGRICULTURE Regional Field Office No. 5 San Agustin, Pili, Camarines Sur

BILL OF QUANTITIES AND COST PROPOSAL (AGRI INFRA & OTHER INFRASTRUCTURE)

NAME/LOCATION OF PROJECT: ESTABLISHMENT OF MEGA COLD STORAGE FACILITY Location:				ation (Php) Funds Digated Aut mplementa Days to Con	hority tion	By Contract 270 C.D.		
Location:		024m	- Liocassianini				270	C.D.
	CAMARINES S	UR	Starting I	Date				
PROJECT CATEGORY:							Upon Rece	ipt of NTP
	GOODS							
PROJECT DESCRIPTION		COLUMN ENTRE A RESTRUCTION AND A						
Proposed Establishmer					W. C.			
MINI Description		NT REQUIREMENT	No	De	cription		REQUIREMENT	No.
Minor Tools	No. enough	Description	No.	Des	cription	No.	Description	No.
Bar Cutter Backhoe Excavator	1							
Compactor Bulldozer	1 1					NICAL PERSONN		
Concrete Mixer	2				cription	No.	Description	
Concrete Vibrator	1			Civil Eng		1	Sanitary Enginee	
Mobile Crane	1				cal Engineer	1	General Foreman	10-15
Power Tools	enough			Materials		1	Skilled Laborer	15.35
	Description GENERAL REQUIREMENTS			Electrica	Engineer Unit	1 Quantity	Unskilled Labore	
Item		Description			Unit	Quantity	Unit Cost (PhP)	Total Amount (PhP)
PART A	GENERAL RE	QUIREMENTS					10,000	(Constant
V11-70007								
A.1.1(6)	Provision of C	ombined Field Office, Labora	atory		ls	1.00		
PART B	OTHER GENE	RAL REQUIREMENTS						
B.3(1)	Permits and C	learances			ls	1.00		
B.5(1)	Project Billbo	ard/Signboard			each	1.00		
B.7(1)	Occupational	Safety and Health			ls	1.00		
B.9	Mobilization/	Demobilization			ls	1.00		
PART C	EARTHWORK	•						
803(1)a	111900000000000000000000000000000000000	avation (Common Soil)			cu.m	983.00		9
804(2)a	Embankment from Borrow (Common Soil)				cu.m	2,160.00		
804(7)	Gravel Fill				cu.m	480.00		
PART D	REINFORCET	DEINEODCED CONCRETE						
900(1)c	REINFORCED CONCRETE Structural Concrete, 3000 psi (Class A. 28 da				cum	753.24		
902(1)a1	Reinforcing St	eel (Deformed, Grade 40)			kg	34,317.00		
903(2)	Formworks as	nd Falseworks			sq.m	1.270.00		
15010 1000	FINISHING A	ND OTHER CIVIL WORKS						
PARTE								

1001(9)	Storm Drainage and Downspout	L.S.	1.00	
1013(2)a	Fabricated Metal Roofing Accessor (Gauge 26.	LM.	120.00	Í
1013(2)b	Fabricated Metal Roofing Accessory (Gauge 26.	LM.	161.00	
1013(2)c	Fabricated Metal Roofing Accessory (gauge 24,	L.M.	230.00	
1014(1)a2	Pre-painted Metal Sheets (above 0.427 mm.	sq.m.	2,668.00	
1021(1)a	Cement Floor Finish (Plain)	sq.m.	3,141.00	
1032(1)a	Painting Works (Masonry/Concrete)	sq.m.	308.00	
1032(1)c	Painting Works (Steel)	sq.m.	3,141.00	
1003(2)f	Wall (Aluminum Metal Cladding)	sq.m.	165.00	
1021(12)	Floor Finishes	L.S.	1.00	
1004(2)	Finishing Hardware	L.S.	1.00	
1046(2)a1	CHB Non-Load Bearing (including Reinforcing	sq.m.	186.00	
1047(3)	Metal Structure Accessories	L.S.	1.00	
1047(6)	Structural Steel	kgs.	142,853.02	
PART F	ELECTRICAL		Į.	
1100(10)	Conduits, Boxes & Fittings (Conduit	L.S.	1.00	
1101(33)	Wires and Wiring Devices	L.S.	1.00	
1102(1)	Panelboard with Main & Branch Breakers	L.S.	1.00	
1102(8)	Pad Mounted Distribution Transformer (OISC) with Complete	L.S.	1.00	
1103(1)	Lighting Fixtures and Lamps	L.S.	1.00	41
	TOTAL PROJECT COST			

Note: All taxes, contractor's profit and hauling cost are included in unit cost per item.

NAME AND SIGNATURE OF BIDDER

RAED-EPDSS-011-1 Effectivity Date: August 01, 2023

ANNEX C

Terms of Reference for the MEGA COLD STORAGE FACILITY (UNDER THE COLD STORAGE EXPANSION PROJECT)

FRUIT AND VEGETABLE STORAGE BUILDING MINIMUM STANDARDS

1. LOCATION

- 1.1 The location shall conform to the land use plan of the area.
- 1.2 There shall be provision for parking area.
- 1.3 The area immediately surrounding the building shall be concreted, covered with asphalt or with similar material. The access road, walkways and parking areas shall be similarly treated.
- 1.4 The site shall be accessible to service roads, water supply and electric lines.
- 1.5 The site shall be well drained.

2. SPACE REQUIREMENT

- 2.1. For palletized storage, floor area shall be determined by calculating volume of the boxes or pallet bins and dividing the volume by the maximum stacking height and adding area for aisles, room for forklift maneuvering, and staging areas
- 2.2. For bulk storage, floor area shall be determined by knowing the weight of the produce and by dividing by the bulk density and pile depth (Table 1).

3. STRUCTURAL REQUIREMENTS

3.1 **ROOF**

- 3.1.1 The roof structure shall be treated timber or steel with anti-rust paint.
- 3.1.2 Roofing materials shall be made of G.I. sheet and other steel sheeting with corrosion resistant coatings.
- 3.1.3 Roof vents, when provided, shall be properly screened.
- 3.1.4 For bulk storage, forces on roof system caused by wall pressure shall be considered in designing roof structure.

3.2 **CEILINGS**

- 3.2.1 Ceilings shall be at least 2.4 m from the finished floor line for manual handling and 6m for mechanical handling.
- 3.2.2 Ceilings shall be constructed to prevent the collection of dirt or dust that might sift through from the areas above or fall from overhead collecting surfaces onto equipment or exposed products.
- 3.2.3 Ceilings shall be painted with white emulsion or latex paint.

3.3 WALL

- 3.3.1 The wall shall be concreted, smooth finished and properly painted. Internal surface of the walls should be painted with white emulsion or latex paint.
- 3.3.2 For pallet storage, wall shall be designed to withstand the pressure of piled fruit and vegetable.
- 3.3.3 All wall tops and ledges shall slope at 45° (Refer to Figure 1).
- 3.3.4 It should be coved to the floor-wall and at wall-to-wall junctions with a radius of 50 mm 60 mm.

3.4 DOORS AND ACCESS

- 3.4.1 Door shall be fitted with screens, air flaps or provided with air curtain. The width shall be at least 2.5m.
- 3.4.2 Access door shall be provided for checking the commodity without opening the main door. It shall be constructed with a glass (reinforced) panel at eye level. The width shall be 600 mm750 mm.
- 3.4.3 Main entrances and exits shall be arranged so that the product generally moves in one direction through the facility.

3.5 **FLOOR**

- 3.5.1 Floor shall be concreted or tiled and properly reinforced to prevent cracks. It shall be designed to withstand concentrated loads.
- 3.5.2 Floor height should be leveled with the height of the vehicle being used in transporting the commodity.
- 3.5.3 Intersection with the wall shall be coved with 50 mm 60 mm radius.
- 3.5.4 The floor slope should be 2% 4% towards the drain.
- 3.5.5 All other matters concerning structural design of the building not provided in this Standard shall conform with the provisions of the National Structural Code of Building.

4. FUNCTIONAL REQUIREMENT

4.1. **REFRIGERATED STORAGE AREA**

- 4.1.1. There shall be provision for pre-cooling facilities
- 4.1.2. Refrigeration system should be designed to maintain the appropriate storage temperature and relative humidity of the commodity.
 - 4.1.3. Ceiling, wall and floor shall be provided with vapor barriers and shall be insulated with minimum R-values as shown in Table 3. Annex A shows the thermal properties of selected insulating materials and refer to Annex B for the sample calculations of R-value.

Table 1 – Recommended insulation for refrigerated room

	Minimum R-Value
Ceiling	5 (R-30)
Wall	3.5 (R-20)
Floor	1.76 (R- 10)

- 4.1.4. An 80 mm air plenum should be provided between the floor and stack.
- 4.1.5. Door should be sliding type and should be made of heavy gauge metal.

4.2. PILING SYSTEM

- 4.2.1. Stack should be about 80 mm away from outer walls and 100 mm 120 mm away from the wall that is exposed to the sun.
- 4.2.2. Space between the ceiling and the stack shall be 300 mm.
- 4.2.3. Within a stack, a minimum of 10 mm vertical air path shall be provided between each box.
- 4.2.4. Space between stack and sides and floor shall be 150 mm 200 mm.
- 4.2.5. Stacking height shall be up to 12 units for the cell pack and 8 units high for telescopic tray pack cartons.

4.3. FACILITIES AND EQUIPMENT

4.3.1. Lighting

- 4.3.1.1. Artificial lighting shall always be available for use during the night or darkened periods of the day.
- 4.3.1.2. Table 4 shows the recommended lighting intensity for fruit and vegetable storage.

Table 2 - Recommended lighting intensity for fruit and vegetable storage

Area	Lighting intensity*		
Area	lux (lumen/m²)		
Outside the building	100		
General	200		
Working table	500		
Refrigerated storage room	50		

^{*} Refer to Annex D

4.3.1.3. All electrical design and installation shall conform to Philippine Electrical Code.

4.3.2. Water supply and Plumbing facilities

- 4.3.2.1. The water supply shall be ample and potable with adequate pressure and with facilities for distribution.
- 4.3.2.2. Drainage and plumbing system for the fruit and vegetable storage shall be in accordance with the National Plumbing Code.

4.3.3. Toilet and hand-washing facilities

- 4.3.3.1. Toilets and hand-washing facilities shall be provided inside the building.
- 4.3.3.2. Toilet rooms shall not open directly into areas where the product is exposed unless steps have been taken to prevent airborne contamination (example: double doors, positive airflow).
- 4.3.3.3. Toilet rooms must have self-closing doors.
- 4.3.3.4. Adequate and convenient hand-washing and, if necessary, hand-sanitizing facilities should be provided anywhere in the building where the nature of employees jobs requires that they wash, sanitize and dry their hands.

4.3.4. Fire extinguishing system

Construction of fire extinguishing system shall conform with the provision of the National Building Code of the Philippines.

ANNEX D

TERMS OF REFERENCE Design & Build

Project Title: **DESIGN, BUILD AND SUPPLY of the project MEGA COLD STORAGE FACILITY (UNDER THE COLD STORAGE EXPANSION PROJECT)**

Location: San Jose, Pili, Camarines Sur

MINIMUM REQUIREMENTS FOR CONSTRUCTION OF FACILITIES/BUILDINGS in tandem with PHILIPPINE AGRICULTURAL ENGINEERING STANDARDS (PAES 417:2002 for Cold Storage Facility)

D-1:

MINIMUM REQUIREMENTS FOR CONSTRUCTION SAFETY AND HEALTH

A. General Requirements

No Contractor or subcontractor shall require any employee to work in surroundings or under working conditions that are unsanitary, hazardous, or dangerous to his health or safety.

In order to meet this general requirement, the contractor must:

- 1. Initiate and maintain programs to comply with this general requirement.
- 2. Provide frequent and regular inspections of the job sites by competent persons
 - Competent person means one who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to prompt corrective measures to eliminate them.
- 3. Prohibit the use of any machinery, tool, material, or equipment that is not in compliance with applicable requirements.
- 4. Permit only those employees adequately trained to operate machinery or equipment.
- 5. Provide training for all employees in:
 - Recognition and avoidance of unsafe conditions
 - Workplace safety and health requirements
 - Applicable hazards, safe handling, and personal protective equipment necessary for handling poisons, caustics, flammables, and other harmful substances relevant to their job duties.
 - Specific hazards and procedures for entering confined spaces if applicable

- 6. Provide provisions for medical care and first aid.
- 7. Develop an effective fire protection and prevention plan.
- 8. Ensure appropriate housekeeping measures including clear walkways and removal of combustible scrap and debris.
- 9. Require the wearing of appropriate personal protective equipment such as hard hats, safety glasses, steel toe shoes, or other appropriate protective equipment in all operations where there is an exposure to hazardous conditions.
- 10. Develop an emergency action plan covering designated actions employers and employees must take to ensure employees safety from fire and other emergencies.
 - Plan must be in writing for employers with greater than 10 employees
 - All employees must be trained upon initial assignment on the parts of the plan the employee needs to know in the event of an emergency.
- 11. Provide access to hand washing facilities, toilets, and an adequate supply of drinking water.
- 12. Provide safety and health signs that are clearly visible to construction workers and public.
- 13. Conduct regular safety meetings.

1. Codes and Standards

The Architectural Works shall be in accordance with the following Laws, Codes and Standards.

· Laws and Codes:

- 1. National Building Code of the Philippines and its Latest and Amended IRR
- 2. RA 9266 or Architecture Law and its Latest and Amended IRR
- 3. BP 344 or Accessibility Law and its Latest and Amended IRR
- 4. RA 9514 Fire Code of the Philippines
- 5. Existing Local Codes and Ordinances.
- 6. And other Laws that apply to the project

• Standards:

- 1. Bureau of Product Standards (BPS)
- 2. Bureau of National Standards

2. General Drawing Guidelines

1. General

- All drawings shall be computer-drafted. Drawings shall be submitted both in printed and electronic copies.
- Keep the same orientation for all plans.
- Detailed plans shall have a scale not smaller than 1: 50 meters.
- Spot detailed plans, elevations, and sections shall have a scale not smaller than 1: 10 meters.
- Avoid notes such as 'see architectural detail' or 'see structural'. Always refer with a callout to the specific detail drawing and sheet number.

2. Site Plans

• The site plans shall have a scale not smaller than 1: 400 meters.

3. Floor Plans

- All plans shall be 1: 100 meters. The same scale shall be used for the rest of the architectural, structural, sanitary, plumbing, electrical and mechanical plans, except for each trade's site plan, detailed plans and spot details.
- Elevation callouts shall be indicated on the floor plans and shall be consistent with the elevation drawing.
- Section line callouts on the floor plans shall be consistent with the section drawing.
- Floor plans shall be indicated with boxed room callout numbers, including the callout for floor finishes and wall finishes.
- Floor elevations shall be indicated in the floor plans. This shall be in reference to the natural grade line or the established finished floor lines of the adjoining existing buildings.
- The location of mechanical equipment, e.g. air conditioning shall be indicated in the floor plans. This shall be consistent with the mechanical and electrical plans.
- Door callouts shall be circles with the proper numbering, e.g. D-01.
- Window callouts shall be hexagons with the proper numbering, e.g. W-01.

4. Elevations and Sections

• Finish floor lines and top of truss lines shall be consistent in all the elevations, sections and structural plans and details.

5. Reflected Ceiling Plans

• Reflected ceiling plans shall be indicated with boxed room callout numbers, including the callout for ceiling finishes and lighting fixtures.

- Ceiling height relative and in reference to the finish floor line shall be indicated in the reflected ceiling plans in each room with boxed dimensions. This is to ensure that the ceiling heights of all rooms are established whether or not reflected in the sections.
- The description and location of the fixtures, e.g. lighting, smoke detectors, air condition vents, and exhaust fans, in the reflected ceiling plans shall be consistent with the electrical and mechanical plans.

6. Roof Plans

• Location of all downspouts shall be indicated in the roof plans

7. Doors and Windows

Door and window schedules shall indicate the type of door or window, the number of sets, the location/s of the door or window, the materials and accessories included and other special specifications, e.g. color or finish.

8. Details

- Provide spot detail plans, elevations and sections of a scale not smaller than 1:10 meters for special designs with aesthetic treatment and ornamentation.
- Provide detail plans of a scale not smaller than 1 : 50 for all areas needing tile pattern, e.g. lobby, corridor, entrance walk, showing the position and pattern of tiles.
- Centerline location of plumbing fixtures shall be indicated in detailed plans with lines of reference and their corresponding dimensions. This is to indicate the exact locations of the plumbing/sanitary roughing-ins.

3. Site Works

• The Master Site Development Plan for the project shall include the following:

- a. Contour and survey of the lot, including bearing and distance of the property line
- b. Road network and curbs and sidewalks
- c. Parking spaces
- d. Reference location of existing trees
- e. Reference location of utilities, e.g. water reservoirs, septic tank, wastewater treatment plant, powerhouse, transformers, waste storage area, security outposts
- Covered walkways shall be provided for access and connection to the building.
- Ramps shall be provided in the main entrance of the building.

4. Building Architectural Works

1. Floor Plans

- The structural, sanitary, plumbing, electrical and mechanical designs are required to refer to the architectural plans and specifications in case of discrepancies. If an engineering design will have any possible conflict or interference on the architectural design, the latter may be adjusted provided that the aesthetic value will not be compromised.
- The architectural and engineering plans shall be consistent all throughout in terms of dimensions and locations of columns, beams, walls, roof line, conduits, ducts, pipes, and fixtures, among others. Column and beam grid lines shall also be consistent in all the architectural and engineering plans.

2. Walls

- Exterior walls shall be 200mm. thick, while interior walls shall be 150mm. thick. This is indicative of the finished wall thickness including the plastering and tile works.
- Toilet wall tiles shall be 200mm. X 250mm. for areas of six (6) square meters or below. Toilet wall tiles shall be 300mm. X 300mm. for areas above six (6) square meters.
- Layout and work on wall and floor tiles must be aligned, plumb, level, and square.
- All toilets wall tiles shall be from floor to ceiling.

- All edges, corners and intersections of tiles, including the topmost tile not reaching the ceiling shall be provided with polyvinyl chloride tile trims.
- Tile color and design shall be approved first before installation.

3. Floors

- If floor tiles in two adjacent rooms with different material, color or design meet at the door opening, the cut shall be located middle of the door thickness when in a closed position. Provide details in the floor pattern design.
- Floors at the openings of toilets for persons with disability shall be sloping. Indicate in the plans and sections.

The size of the toilet floor tiles shall be 200mm. X 200mm. for areas of six (6) square meters or below. Toilet floor tiles shall be 300mm. X 300mm.

- The size of the pantry floor tiles shall be 300mm. X 300mm. Indicate the tile pattern.
- The size of the floor tiles of all rooms shall be 600mm. X 600mm, or bigger depending on the proportion to the size of the room. Indicate the tile pattern.
- The size of the floor tiles of the lobby and corridor shall not be less than 600mm. X 600mm. Indicate the tile pattern.
- Layout and work on wall and floor tiles must be aligned, plumb, level, and square.
- All edges, corners and intersections of toilet tiles, shall be provided with polyvinyl 1 chloride tile trims.
- Tile color and design shall be approved first before installation.

4. *Ceiling Works*

The following rooms shall have a minimum ceiling height:

- a. Pantry 3000mm. or no ceiling if below a concrete slab
- b. Rooms 3000mm., to provide better natural ventilation
- Ceiling height for areas with special aesthetic treatment, e.g. lobby, major conference room, executive office, shall be

proportional to the area or room or as required by the designer. However, this shall not be lower than 3000mm. Provide details.

- If acoustic boards on aluminum T-runners would be used for the ceiling, layout should be on center and avoiding cut pieces. If the remaining perimeter of the ceiling is less than 600mm. wide, it shall be designed complimentary with fiber cement boards on light gauge metal furring. Likewise with acoustic boards in big areas, e.g. offices, and wards, shall be designed in a way to break the redundancy. Provide details.
- Soffit of exterior beams and slabs shall have drip moulds to prevent damage due to water sipping into the eaves or ceiling. Section details shall be required to show the drip mould.

5. Doors and Windows

- Major rooms that require security shall have sturdy doors e.g. wood panel, and metal.
- Minor rooms that do not require security shall be wood panel.
- Toilets and other wet areas shall have sturdy PVC Doors.
- Fire escape doors, should be provided with panic hardware and door closers, and shall conform with the requirements of the Fire Code of the Philippines.
- Aluminum frames of glass doors shall be powder-coated.
- Door finish and color shall be approved first before application.
- Window sills shall be slightly sloped outwards to prevent damage to windows and paint due to water sippage. Section details shall be required to show this slope.
- Door jambs with no moulding/casing installed on concrete walls shall have construction grooves all around. Provide details.
- All doors and windows shall have reinforced concrete lintel beams. Provide details.

6. Fixtures and Accessories

• Three-way electrical light switches shall be provided at both ends of a long corridor.

• Electrical light switches shall be located by the knob side of the door.

Electrical switches and outlets shall be installed plumb and level.

- Toilets shall always be provided with heavy-duty soap dispensers and electric hand dryers.
- Toilets shall always be provided with stainless steel handrails in conformity with the requirements of BP 344 (Accessbility Law).
- A drainage line shall be provided for window-type airconditioners. Likewise, split-type airconditioners located in the interior part of the building shall be so located adjacent to areas with drainage lines, e.g. toilets, downspouts, and balconies (if applicable).

7. Roofing Works

- 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.
- Avoid valley or inside gutters in roof design. But in cases required in aesthetic design, valley or inside gutters shall be in stainless steel or concrete gutters with membrane-type waterproofing, and the section shall be designed with a capacity for big volume to prevent any damage due to overflow. Provide details.
- Parapets, designed as roof protection from the winds, must be designed to satisfy the preceding parameters. Provide details.
- The slope of the roof shall not be less than 30 degrees (if applicable).

8. Painting

- Painted ceiling shall be in flat latex finish, while cornices and mouldings shall be in gloss enamel finish.
- Painted interior wall shall be at least in semi-gloss anti-bac latex paint finish for ordinary rooms, e.g. offices, unless specified to a higher type of paint.
- Painted exterior wall shall be at least in moistureresistant/water-repellant solvent-based paint finish, textured or smooth, unless otherwise specified.

• Paint color and shade shall be approved first before application.

5. Specific Requirements

• Provide spot detail plans and sections of the following:

- 1. Gutter, eaves, and parapet
- 2. Ceiling covelight, special connections and design, mouldings, valances
- 3. Doors, windows and gates grille works,
- 4. Special Architectural Treatment and Design, e.g. façade design, special window and door,
- 5. Special Carpentry Works, e.g. partitions, cabinetry
- 6. Other details as may be required
- 7. Water proofing of all wet areas.

6. Summary of Materials

- Materials to be used shall be fire-resistant, non-toxic, moistureresistant and termite resistant, e.g. fiber cement board, light-gauge steel frame, polyvinyl chloride ceiling panels.
- Wet areas, e.g. toilets, and kitchen shall use non-skid/non-slip vitrified ceramic floor tiles.
- Heavy traffic areas, e.g. lobby, and corridor shall use heavy-duty seamless granite floor tiles or a higher type of floor material.
- Ramps and stairs shall use non-skid/non-slip floor tiles, materials as specified.
- Aluminum T-runners shall be powder coated.
- Metal rod hangers with adjustable clips, and not galvanized iron wires, shall be used to support and suspend the aluminum Trunners and light gauge metal furrings.
- Roofing sheets shall be Ga.# 24 aluminum-coated, pre-painted, longspan, and preformed.

Others:

• Provision of pantries in locations specified by the end-users

- Provision of plant boxes at the exterior face of the building
- Provision of ramp in the front door. (for PWD clients)
- Provision of slop sink in all common toilet and janitor's closet
- Provision of towel holder, cloth holder and single face mirror for office toilet and wide face mirror for common toilets
- Provision of PWD Toilet based on the approved design/layout
- Provision of cabinets and counters in locations specified by the end-users
- Provision of one (1) ceiling manhole for every 25 sq. m. of ceiling (If applicable)
- Provision of waterproofing for all wet areas and any concrete slab that is exposed to weather. Such slab shall be sloped to floor drain

D-3

DESIGN PARAMETERS (STRUCTURAL/CIVIL WORKS)

I. Codes and Standards

The Civil/Structural Design shall be in accordance with the following Codes and Standards

• Codes

- 1. National Structural Code of the Philippines (NSCP) 2010
- 2. National Building Code of the Philippines and its revised IRR
- 3. Accessibility Law (BP 344)
- 4. Local Codes and Ordinances

• Standards

- 1. Bureau of Product Standards (BPS)
- 2. Philippine National Standards (PNS)
- 3. DPWH Blue Book
- 4. American Concrete Institute (ACI)
- 5. American Society for Testing Materials (ASTM)
- 6. American Welding Society (AWS)

||. Site Works

- 1. The main entrance of the road shall be capable of two way traffic (at least 6.10mts.
 - width) with a minimum thickness of 200mm (10 inches). Concrete strength should be at least 3000psi. Interior road shall be so designed to accommodate delivery vehicles like dump trucks, and fire trucks in case of emergency.
- 2. Walkway should be at least 100mm thk with concrete strength of 2500psi. Ramps should be provided, instead of steps, for any change in elevations.
- 3. Parking area slabs should be at least 150mm thk with concrete strength of 3000psi.

III. Buildings

- 1. The office building shall have a minimum dimension of 30mx17mx12m.
- 2. The building should be designed using seismic importance factor of 1.25 for immediate occupancy category. Building should be designed in accordance with NSCP 2010 Requirements up to Magnitude 7 for those near seismic source Type A.
- 3. The structural designer should verify with Philippine Volcanology and Seismology (PHIVOLCS) the distance of the proposed building facility to nearest active fault lines and with the DENR for geo-hazard mapping.
- 4. The structural designer is encouraged to use fire-resistive and non-toxic materials.
- 5. All structural analysis should be submitted in five (5) printed copies and one (1) electronic copy.

D-4

SANITARY/PLUMBING DESIGN PARAMETERS

I. Codes and Standards

The Sanitary/Plumbing Design shall be in accordance with the following Codes and Standards.

• Codes:

- National Building Code of the Philippines and Its New IRR
- 2. Fire Code of the Philippines
- 3. National Plumbing Code of the Philippines (NPCP)
- 4. Sanitation Code of the Philippines
- 5. Existing Local Codes and Ordinances.

• Standards:

- 1. Bureau of Product Standards (BPS)
- 2. Philippine National Standards for Drinking-Water
- 3. National Water Resources Board (NWRB)
- 4. National Plumbers Association of the Philippines (NAMPAP)
- 5. Philippine Society of Sanitary Engineers, Inc. (PSSE)

II. Site Works

- Based on the Master Site Development of the facility, the Site Works shall provide complete layout of the following:
 - 1. Storm Drainage Network, indicating Drainage Manholes and Pipe Culvert;
 - 2. Sewerage Pipe Network, indicating Sewage Manholes, Sewage pipes and the location of the proposed Sewage Treatment Plant; and

- The Storm Drainage Network shall accommodate the magnitude of peak rates of surface run-off including drainage coming from the buildings. The system shall be capable of handling the design flows routing to the designated outfall; For rainfall calculation and sizing of drainage pipes, refer to the data from PAG ASA. (couldnot find an updated one)
- The Sewerage Pipe Network design shall accommodate all sewage coming from the facility. (Use as basis the waste water per capita/day)
- The Water Supply Network shall include the provision of Fire Hydrants, accessible drinking fountain that will serve as testing point for safe and potable water supply;

III. Building Facilities Sanitary/Plumbing System

- 1. Sewerline and Vent System
 - Provide complete Sewerline and Vent System.
- 2. Wastewater line and Vent System
 - For all Wash Areas dealing and generating with oil/grease at the Pantries/Kitchen and Canteen, provide separate Wasteline and Vent System and solely tap to the proposed Grease Trap.
- 3. Waterline System
 - Provide complete water supply pipes to all plumbing fixtures. From the main water source.
 - Water line for collected rainwater towards water closets and urinals
- 4. Storm Drainage System
 - Complete Storm Drainage System shall be provided for all roofs, canopies, concrete ledges and balconies including condensate drains laid for gravity flow connected to a leader/pipe line leading to the natural ground level storm drainage network.
- 5. Provision of Rain Harvester Tank (if needed)

IV. Specific Requirements

- Provide details of the following:
 - 1. Grease Trap (for Canteen and Pantries/Kitchen)
 - 2. Rain Harvester tank

V. Summary of Materials

- Sewer and Vent pipes; Unplasticized Polyvinyl Chloride (uPVC) extra series 1000 (Conforming to ISO 3633 ASTM D2729 including Trims and Fittings)
- Storm Drainage pipes; Downspouts, Unplasticized Polyvinyl Chloride (uPVC) extra series 1000(Conforming to ISO 3633 ASTM D2729 including Trims and Fittings, BPS Certified)
- Drainage Pipes; 250mm dia. and below, Non-Reinforced Concrete Pipe (NRCDP) 300mm dia. and above, Reinforced Concrete Pipe (RCDP)
- Drainage Manholes; Street Inlet, Curb Inlet, Traffic Type Reinforced Concrete Area drain/Catch Basin, Reinforced Load Bearing CHB
- Sewage Manholes; Traffic Type Reinforced Concrete with Standard Steel Brass Cover
- Wastewater pipeline; Extra Heavy (XH) Single Hub, Hubless Cast Iron Pipes and Fittings (CIP) conforming to ASTM Standard 888
- Cleanouts; Cast Iron Brass with counter sunk plug (BPS Certified)
- Floor Drains/Deck Drains; Cast Iron Brass (BPS Certified)
- Gutter Drains; Cast Iron Dome Type Brass (BPS Certified)
- Trench Grating; Galvanized/Stainless Steel Iron grates

- Plumbing Fixtures including Trims, Fittings and accessories; (BPS Certified)
 - a) Water Closet-Tank Type push button flush
 - b) Lavatory-(Pedestal/Counter Type) with C-spout spray faucet
 - c) Pantry Sink-Ga#16 Stainless Steel seamless bowl with gooseneck faucet
 - d) Urinal-Wall hung Flush valve type

Others:

• Construction of Septic Vault

VI. Drawing Requirements: based on Revised IRR of the National Building Code of the Philippines (PD 1096)

I. Codes and Standards

The Mechanical Design shall be in accordance with the following Codes and Standards.

Codes:

- 1. National Building Code of the Philippines and Its New IRR
- 2. Fire Code of the Philippines
- 3. Mechanical Engineering Code of the Philippines (ME Code) 4. Existing Local Government Codes and Ordinances.

• Standards:

- 1. Bureau of Product Standards (BPS)
- 2. Philippine National Standards (PNS)

II. Automatic Fire Sprinkler System

The automatic fire sprinkler system shall be composed of complete plans and drawings of the following:

- 1. Site Development Plan and Vicinity Map, indicating the location of the buildings, firewater reserve tank, firewater line, yard loop, and private fire hydrant.
- 2. General Notes, Legends and Symbols including Schematic Diagram of the Fire Sprinkler System and Schematic Diagram of Alarm Monitoring System.
- 3. Floor Layout and Isometric Layout of the Automatic Fire Sprinkler System indicating pipe sizes and the location of the pipes, valves, sprinkler heads, riser nipples, fire hose cabinets, sprinkler main riser, drain pipes, cross mains, branchlines, inspector's test connections, hangers and sway braces.
 - An automatic fire sprinkler shall be provided in all rooms
 - Hazard Classification shall be Light Hazard Occupancy.
 - All control valves shall be equipped with supervisory switch, water flow detector and drain system.

III. Ventilation and Air Conditioning System

The ventilation and air conditioning system shall be composed of complete plans and drawings of the following:

- 1. General Notes, Legends and Symbols including Schematic Diagram of the Ventilation and Air Conditioning System.
- 2. Floor Layout of the Ventilation and Air Conditioning System indicating the capacity and location of the air conditioners and fans.
- 3. Duct layout indicating duct sizes, route and location of the dampers, diffusers, return air register, hangers and sway braces.
- 4. Refrigerant piping layout indicating pipe sizes, location of valves, hangers and sway braces.
- 5. Equipment Schedule and Details drawings of Air Conditioners and Ventilating System.
 - Air conditioning system shall be provided in __rooms/offices.
 - Cooling Load calculations report shall be manual or computer generated.
 - Split type air conditioners will be used at areas with larger capacities.
 - Window type air conditioners shall be used in areas with exterior wall exposure.
 - Centralized air conditioning will be used only if feasible.
 - Design of all critical areas shall be laminar or positive pressure, wherein the supply air is 10% more than exhaust air.
 - Maintain an air change rate greater than or equal to 12 air changes per hour or 145 liters per second per patient.
 - Ceiling cassette type exhaust fans with integral air diffuser shall be provided in all toilets.

D-6

ELECTRICAL DESIGN PARAMETERS

I. Codes and Standards

The Electrical System Design Parameters shall be in accordance with the following Codes and Standards.

• Codes:

- 1. Philippine Electrical Code
- 2. National Electrical Code
- 3. Fire Code of the Philippines
- 4. National Building Code of the Philippines and Its New IRR
- 5. Existing Local Codes and Ordinances

• Standards:

- 1. Bureau of Product Standards (BPS)
- 2. DA Guidelines/ Standards for Agricultural Infrastructure

II. Site Works

- 1. Panelboard Layout
- 2. Electrical Metering Devices
- 3. Service Conductors and Conduit Layout
- 4. Grounding System
- 5. Street and Perimeter Lighting System

III. Building Facilities Electrical System

1. Lighting System

 Provide and install adequate normal branch circuits for Lighting System to all areas using the standard Lighting Design Analysis. Utilize the standard Illumination requirements per area of concern using the preferred particular type of luminaires.

2. Power System

• Provide and install adequate normal branch circuits for the Power System. Three (3) phase system with ground.

3. Auxiliary System

- Provide and install the following Auxiliary System:
 - a) Communication System
 - Telephone System
 - Local Area Network System
 - Master or Cable Antenna Television
 - b) Fire Detection and Alarm System (FDAS)
 - c) Security System.
 - d) Close Circuit Television System (CCTV)

4. Lightning Protection System

• The building lightning protection system shall include roof-mounted air terminals grounding conductors, ground rods, conduits, clamps, and auxiliary equipment as required for a complete and operational lightning protection system.

5. Emergency System

- ☐ Provide and install adequate emergency lights in all areas which provide sufficient illumination in case of power outages.
- ☐ Provide and install directional exit lights, and emergency exits.

6. Electrical Room

 Provide electrical room which houses panel board for every room with enough space for storage cabinet for electrical supplies

7. Maintenance Access Duct

• Provide and install an access hanger duct with a minimum vertical clearance of .

V. Provide Details of the following:

- 1. Lighting Fixtures/Luminares
- 2. Panelboard and Circuit Breakers
- 3. Switchgear and other Metering Devices
- 4. Installation and Termination of Auxiliary and other Special Devices and Equipment 6. Power and Telephone Handholes (as may be required)
- 7. Pedestal and Service Entrance to Bldg.
- 8. Grounding System Layout
- 9. Others as may be required.

I. Codes and Standards

The Electrical System Design Parameters shall be in accordance with the following Codes and Standards.

• Codes:

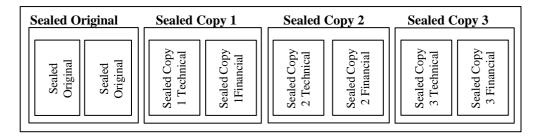
National Building Code of the Philippines and Its New IRR

Section VIII. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

Each Bidder shall submit one (1) Original copy of the first and second component of its Bid. The Procuring entity is requesting an additional three (3) hard copies of the bid.

Sealed Original, Copy 1, Copy 2& 3 in one (1) Single Envelope



All copies shall be marked Certified True Copy & signed by the bidder or its duly authorized representative.

Additional instructions: All copies must be marked with index/ear tabs or side-end tabs to identify the page components and shall be properly addressed to the **BAC Chairperson.**

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

	Cuis II Documents
Legal De	ocuments
(a)	Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages)
	in accordance with Section 8.5.2 of the IRR;
<i></i>	1.0
	al Documents
(b)	Statement of the prospective bidder of all its ongoing government and
	private contracts, including contracts awarded but not yet started, if any,
	whether similar or not similar in nature and complexity to the contract to be
	bid; <u>and</u>
(c)	Statement of the bidder's Single Largest Completed Contract (SLCC)
_	similar to the contract to be bid, except under conditions provided for in
	Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184,
	within the relevant period as provided in the Bidding Documents; and
(d)	Original copy of Bid Security. If in the form of a Surety Bond, submit also a
	certification issued by the Insurance Commission;
	or
	Original copy of Notarized Bid Securing Declaration; and
(e)	Conformity with the Technical Specifications, which may include
	production/delivery schedule, manpower requirements, and/or after-
	sales/parts, if applicable; and
(f)	Original duly signed Omnibus Sworn Statement (OSS);
L (1)	and if applicable, Original Notarized Secretary's Certificate in case of a
	corporation, partnership, or cooperative; or Original Special Power of
	Attorney of all members of the joint venture giving full power and authority
	ALLOTHER OF AN INCHIDERS OF THE FORM VEHICLE STRING THE DOWEL AND AUTHORITY

to its officer to sign the OSS and do acts to represent the Bidder.

<u>Financial</u>	l Documents
(g)	The prospective bidder's computation of Net Financial Contracting
_	Capacity (NFCC);
	<u>or</u>
	A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.
	Class "B" Documents
(h)	If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence;
	or duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.
	instance that the old is successful.
Other doc	cumentary requirements under RA No. 9184 (as applicable)
(i)	[For foreign bidders claiming by reason of their country's extension of
<u> </u>	reciprocal rights to Filipinos] Certification from the relevant government
	office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
☐ (j)	Certification from the DTI if the Bidder claims preference as a Domestic
☐ 0 <i>/</i>	Bidder or Domestic Entity.
FINANC	TAL COMPONENT ENVELOPE
	Original of duly signed and accomplished Financial Bid Form; and
(a) (b)	Original of duly signed and accomplished Price Schedule(s).
(U)	Original of duty signed and accomplished Price Schedule(s).

Section IX. BIDDING FORMS

BID FORM

Date :	
Project Id	dentification No.:

To: [name and address of Procuring Entity]

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers [insert numbers], the receipt of which is hereby duly acknowledged, we, the undersigned, offer to [supply/deliver/perform] [description of theGoods] in conformity with the said PBDs for the sum of [total Bid amount in words and figures] or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. The total bid price includes the cost of all taxes, such as, but not limited to: [specifythe applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties], which are itemized herein or in the Price Schedules,

If our Bid is accepted, we undertake:

- a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);
- b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;
- c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

[Insert this paragraph if Foreign-Assisted Project with the Development Partner: Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid.

and to contract execution if we are awarded the contract, are listed below:

Name and address Amount and Purpose of of agentCurrencyCommission or gratuity				
(if none, state "None")]				

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

The undersigned is authorized to submit the bid on behalf of [name of the bidder] as evidenced by the attached [state the written authority].

GPPB Resolution No. 16-2020, dated 16 September 2020

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.
Name:
Legal capacity:
Signature:
Duly authorized to sign the Bid for and behalf of:
Date:

GPPB Resolution No. 16-2020, dated 16 September 2020

Price Schedule for Goods Offered from Abroad [shall be submitted with the Bid if bidder is offering goods from Abroad]

For Goods Offered from Abroad Name of Bidder _____ Project ID No.____ Page ___of ___ 1 2 3 5 7 8 9 4 6 Unit price CIF Total CIF Unit Price Total Price Country Unit price Item Description Quantity of origin or CIP Delivered Delivered delivered port of entry (specify port) or **Duty Unpaid** Duty Paid DDP price per (DDU) (DDP) (col 4 x 8) CIP named item place (col. 4 x (specify border 5) point or place of destination) Name: Legal Capacity: Signature:

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Duly authorized to sign the Bid for and behalf of:

Price Schedule for Goods Offered from Within the Philippines [shall be submitted with the Bid if bidder is offering goods from within the Philippines]

	—
For Goods Offered from Within the Philippines	

Name of Bidder ______Project ID No._____ Page ___of___ 1 2 3 4 7 5 6 8 9 10 Country Unit Sales and Total Total Price Item Description Quantity Transportation Cost of of origin and all other other Incidental Price, delivered price . EXW taxes Services, if per unit Final costs incidental to payable if per applicable, Destination delivery, per Contract per item item (col item is 5+6+7+ (col 9) x awarded. 8) (col 4) per item Design, Build and Supply of Mega Cold Storage Facility 1 lot 1 lot **Polyurethane Insulation** For 6 cold storages (10x34x12mhc) **Using 8 inches** thick for CS & 3 inches for other partitions **Accessories for** 1 lot cold rooms Delivery (Manila 49 truck load toBicol) P U Installation 1 lot Sliding Doors (Cold 6 units Storage) **Section doors** 6 units (Loading bays) 6 units **Dock Levelers** 15 units **Cooling System** Electrical for the 1 lot **Cooling System** 1 lot **Installation for the Cooling System GRAND TOTAL**

Name: ______

Legal Capacity: ______

Signature: _____

Duly authorized to sign the Bid for and behalf of: ______

Bid Securing Declaration Form

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

REPUBLIC OF THE PHILIPPINES)			
CITY OF	_) S.S.		

BID SECURING DECLARATION Project Identification No.: [Insert number]

To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

- 1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
- 2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f),of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
- 3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
 - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this _____day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Contract Agreement Form for the Procurement of Goods (Revised) [Not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

(10) days after receiving the Notice of Award]					
	CONTRA	ACT AGREEME	ENT		
PROCURIN	S AGREEMENT made the NG ENTITY] of the Philippines upplier] of [city and country of	(hereinafter calle	ed "the Entity")	of the one part and	
particularly for the supp	EREAS, the Entity invited Bids [brief description of goods and bly of those goods and services [dcurrency] (hereinafter called "t	d services] and h s in the sum of [c	as accepted a	Bid by the Supplier	
NO	W THIS AGREEMENT WITNE	ESSETH AS FOL	LOWS:		
1.	In this Agreement words and respectively assigned to the				

Philippine Bidding Documents (PBDs);

2.

- i. Schedule of Requirements:
- ii. Technical Specifications;
- iii. General and Special Conditions of Contract; and
- iv. Supplemental or Bid Bulletins, if any

and construed as integral part of this Agreement, viz.:

ii. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- iii. Performance Security;
- iv. Notice of Award of Contract; and the Bidder's conforme thereto; and
- v. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. Winning bidder agrees thatadditional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.
- 3. In consideration for the sum of [total contract price in words and figures] or such other sums as may be ascertained, [Named of the bidder] agrees to [state theobject of the contract] in accordance with his/her/its Bid.

4. The [Name of the procuring entity] agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.

[Insert Name and Signature] [Insert Name and Signature]

[Insert Signatory's Legal Capacity] [Insert Signatory's Legal Capacity]

for: for:

[Insert Name of Supplier]

Acknowledgment

[Format shall be based on the latest Rules on Notarial Practice]

Omnibus Sworn Statement (Revised) [shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPIN	NES)
CITY/MUNICIPALITY OF) S.S

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. [Select one, delete the other:]

[If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name ofBidder] with office address at [address of Bidder];

[If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized anddesignated representative of [Name of Bidder] with office address at [address of Bidder];

2. [Select one, delete the other:]

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of[Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

- 3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation,membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
- 4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
- 5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
- 6. [Select one, delete the rest:]

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical

Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a partnership or cooperative:] None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controllingstockholders of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

- 7. [Name of Bidder] complies with existing labor laws and standards; and
- 8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder incompliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
- 9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, orany form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
- 10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereun	to set my	hand this	day of	, 20	_ at
, Philippines.					

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

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