



Republic of the Philippines  
PROVINCE OF CAGAYAN  
Tuguegarao City

# **PHILIPPINE BIDDING DOCUMENTS**

(As Harmonized with Development Partners)

## **Establishment of Fully Functional/Operational State of the Art PDRRMO Command Center and Installation of Early Warning System (EWS) In Strategic Locations Including Accessions (Lot 2)**

Government of the Republic of the Philippines

November 26, 2024

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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  
**PROVINCE OF CAGAYAN**  
Tuguegarao City

## **PROVINCIAL BIDS AND AWARDS COMMITTEE GOODS AND SERVICES**

### **INVITATION TO BID FOR**

#### **Establishment of Fully Functional/Operational State of the Art PDRRMO Command Center and Installation of Early Warning System (EWS) In Strategic Locations Including Accessions (Lot 2)**

1. The Provincial Government of Cagayan, through the Annual Budget Appropriations intends to apply the sum of **₱9,900,400.00** being the ABC to payments under the contract for **Establishment of Fully Functional/Operational State of the Art PDRRMO Command Center and Installation of Early Warning System (EWS) In Strategic Locations Including Accessions (Lot 2) / [Goods 0113-2024]**. Bids received in excess of the ABC shall be automatically rejected at the bid opening.
2. The Provincial Government of Cagayan - Bids and Awards Committee now invites bids for the above Procurement Project. Delivery of the Goods is required by **238 days**. Bidders should have completed, within the last five 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 (R.A.) No. 9184.  
  
Bidding is open to all interested bidders, whether local or foreign, subject to the conditions for eligibility provided in the 2016 revised IRR of R.A. No. 9184.
4. Prospective Bidders may obtain further information from Bids and Awards Committee - Goods and Services (BAC-GS) of the Provincial Government of Cagayan and inspect the Bidding Documents at the address given below during Mondays to Fridays from 8:00 A.M. to 5:00 P.M.
5. A complete set of Bidding Documents may be acquired by interested Bidders on **November 26 - December 17, 2024**, from the given address and website below upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **₱10,000.00**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person.
6. The Provincial Government of Cagayan- Bids and Awards Committee (Goods and Services) will hold a Pre-Bid Conference<sup>1</sup> on **December 3, 2024, 9:30 a.m.** at 2<sup>nd</sup> Floor,

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<sup>1</sup> May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a Pre-Bid Conference.

GSO Building, BAC Conference Room, Capitol Compound, Capitol Hills, Tuguegarao City, Cagayan which shall be open to prospective bidders.

7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below, on or before **December 17, 2024, 8:00 a.m.** Late bids 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. Bid opening shall be on **December 17, 2024, 11:45 a.m.** at the given address below and bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The Provincial Government of Cagayan 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.
11. For further information, please refer to:

**ATTY. IAN LUIS C. AGUILA, CPA**  
Head, BAC Secretariat/General Services Officer  
Capitol Hills, Capitol Compound,  
Tuguegarao City, Cagayan  
pbac.gs.@cagayan.gov.ph

12. You may visit the following websites:

For downloading of Bidding Documents: [www.cagayan.gov.ph](http://www.cagayan.gov.ph)

***November 26, 2024.***

**ATTY. ROGELIO R. TALIPING JR.**  
Chairperson  
PBAC Goods and Services

## ***Section II. Instructions to Bidders***

### **1. Scope of Bid**

The Procuring Entity, Provincial Government of Cagayan wishes to receive Bids for the **Establishment of Fully Functional/Operational State of the Art PDRRMO Command Center and Installation of Early Warning System (EWS) In Strategic Locations Including Accessions (Lot 2)** with identification number **Goods 0113-2024**.

The Procurement Project (referred to herein as “Project”) is composed of **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 for F.Y 2024 in the amount of **₱9,900,400.00**.

**2.2.** The source of funding is:

a. Annual Budget, as approved by the Sanggunian.

### **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 limited to those allowed under the rules may participate in this Project.



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 equivalent to:

a. **The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.**

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.**

7.2. Subcontracting of any portion of the Project does not relieve the Supplier of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Supplier's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

## **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 **BAC Conference Room, 2<sup>nd</sup> Floor GSO Building, Capitol Hills, Tuguegarao City, Cagayan** 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 the last five 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<sup>2</sup> 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 for 120 days reckoning from the bid opening. 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 four copies of the first and second components of its Bid. **One (1) copy marked “ORIGINAL” and 3 photocopies, properly tabbed/labeled.**

The Procuring Entity may request additional hard copies and/or electronic 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.

### **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.

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<sup>2</sup> In the case of Framework Agreement, the undertaking shall refer to entering into contract with the Procuring Entity and furnishing of the performance security or the performance securing declaration within ten (10) calendar days from receipt of Notice to Execute Framework Agreement.

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 may be. 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 shall be awarded as follows:

**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**

## **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*

ITB Clause									
5.3	<p>For this purpose, contracts similar to the Project shall be:</p> <ol style="list-style-type: none"> <li>a. <b>Establishment of Fully Functional/Operational State of the Art PDRRMO Command Center and Installation of Early Warning System (EWS)</b></li> <li>b. Completed within the last 5 years prior to the deadline for the submission and receipt of bids.</li> </ol>								
7.1	Sub-contracting is not allowed.								
12	The price of the Goods shall be quoted DDP Provincial Government of Cagayan or the applicable International Commercial Terms (INCOTERMS) for this Project.								
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ol style="list-style-type: none"> <li>a. The amount of not less than two percent (2%) of the ABC if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</li> <li>b. The amount of not less than five percent (5%) of the ABC if bid security is in Surety Bond.</li> </ol>								
19.3	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Item Number</th> <th style="text-align: center;">Description</th> <th style="text-align: center;">Quantity</th> <th style="text-align: center;">Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td><b>Establishment of Fully Functional/Operational State of the Art PDRRMO Command Center and Installation of Early Warning System (EWS) In Strategic Locations Including Accessions (Lot 2)</b></td> <td style="text-align: center;">1 lot</td> <td style="text-align: right;"><b>₱9,900,400.00</b></td> </tr> </tbody> </table>	Item Number	Description	Quantity	Total	1	<b>Establishment of Fully Functional/Operational State of the Art PDRRMO Command Center and Installation of Early Warning System (EWS) In Strategic Locations Including Accessions (Lot 2)</b>	1 lot	<b>₱9,900,400.00</b>
Item Number	Description	Quantity	Total						
1	<b>Establishment of Fully Functional/Operational State of the Art PDRRMO Command Center and Installation of Early Warning System (EWS) In Strategic Locations Including Accessions (Lot 2)</b>	1 lot	<b>₱9,900,400.00</b>						
20.2	No further instructions.								
21.2	<p><b>ADDITIONAL DOCUMENTS REQUIRED:</b></p> <ol style="list-style-type: none"> <li>1. Statement of Manpower Requirement</li> <li>2. Aftersales Service/Parts Warranty Statement in compliance with Section VII</li> <li>3. Un-amended Sales Literature/Brochure</li> </ol>								

# ***Section IV. General Conditions of Contract***

## **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**.

## **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. Special Conditions of Contract*

GCC Clause	
	<p><b>Delivery and Documents –</b></p> <p>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:</p> <p><i>[For Goods supplied from abroad, state:]</i> “The delivery terms applicable to the Contract are DDP delivered Tuguegarao City Cagayan. In accordance with INCOTERMS.”</p> <p><i>[For Goods supplied from within the Philippines, state:]</i> “The delivery terms applicable to this Contract are delivered Tuguegarao City Cagayan. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is <i>[indicate name(s)]</i>.</p> <p><b>Incidental Services –</b></p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <ol style="list-style-type: none"> <li>a. performance or supervision of on-site assembly and/or start-up of the supplied Goods;</li> <li>b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;</li> <li>c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;</li> <li>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</li> </ol>
	<ol style="list-style-type: none"> <li>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.</li> <li>f. <b>ADDITIONAL INCIDENTAL SERVICES</b></li> </ol> <p>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.</p>



**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 **three (3) times the warranty period**.

Spare parts or components shall be supplied as promptly as possible, but in any case, within 15 working days 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

	<p>Any special handling instructions Any relevant HAZCHEM classifications</p>
	<p>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.</p> <p><b>Transportation –</b></p> <p>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.</p> <p>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.</p>
	<p>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.</p> <p>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.</p> <p><b>Intellectual Property Rights –</b></p> <p>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.</p>
2.2	Partial payment is not allowed.
4	The inspections and tests that will be conducted are: <b>Inspection and Testing of the items as per the specifications required.</b>

## ***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.

<b>Item Number</b>	<b>Description</b>	<b>Quantity</b>	<b>Total</b>	<b>Delivered, Weeks/Months</b>
<b>1</b>	<b>Establishment of Fully Functional/Operational State of the Art PDRRMO Command Center and Installation of Early Warning System (EWS) In Strategic Locations Including Accessions (Lot 2)</b>	<b>1 lot</b>	<b>P 9,900,400.00</b>	<b>238 days</b>

## *Section VII. Technical Specifications*

Item	Item Description	Qty.	Statement of Compliance																	
<b>1</b>	<b>Establishment of Fully Functional/Operational State of the Art PDRRMO Command Center and Installation of Early Warning System (EWS) In Strategic Locations Including Accessions (Lot 2)</b>	<b>1 lot</b>																		
	<p><b>Inclusions:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 5px;"><b>SOFTWARE:</b></td> </tr> <tr> <td style="width: 10px; text-align: center;">·</td> <td style="padding: 5px;">SOFTWARE SUBSCRIPTION <i>(see attached TOR)</i></td> </tr> <tr> <td style="text-align: center;">·</td> <td style="padding: 5px;">PUROK APPLICATION <i>(see attached TOR)</i></td> </tr> <tr> <td style="text-align: center;">·</td> <td style="padding: 5px;">RESPONDER APP <i>(see attached TOR)</i></td> </tr> <tr> <td style="text-align: center;">·</td> <td style="padding: 5px;">VIDEO MANAGEMENT <i>(see attached TOR)</i></td> </tr> <tr> <td style="text-align: center;">·</td> <td style="padding: 5px;">MS OFFICE <i>(see attached TOR)</i></td> </tr> <tr> <td colspan="2" style="padding: 5px;"><b>HARDWARE:</b></td> </tr> <tr> <td style="text-align: center;">·</td> <td style="padding: 5px;">TRAINING SCHOOL AND DRRM SCHOOL COMPONENTS <i>(see attached TOR)</i></td> </tr> <tr> <td style="text-align: center;">·</td> <td style="padding: 5px;">30 UNITS LAPTOP i7 <i>(see attached TOR)</i></td> </tr> </table>	<b>SOFTWARE:</b>		·	SOFTWARE SUBSCRIPTION <i>(see attached TOR)</i>	·	PUROK APPLICATION <i>(see attached TOR)</i>	·	RESPONDER APP <i>(see attached TOR)</i>	·	VIDEO MANAGEMENT <i>(see attached TOR)</i>	·	MS OFFICE <i>(see attached TOR)</i>	<b>HARDWARE:</b>		·	TRAINING SCHOOL AND DRRM SCHOOL COMPONENTS <i>(see attached TOR)</i>	·	30 UNITS LAPTOP i7 <i>(see attached TOR)</i>	<p>[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.]</p>
<b>SOFTWARE:</b>																				
·	SOFTWARE SUBSCRIPTION <i>(see attached TOR)</i>																			
·	PUROK APPLICATION <i>(see attached TOR)</i>																			
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·	30 UNITS LAPTOP i7 <i>(see attached TOR)</i>																			

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**Provincial Disaster Risk Reduction & Management Office  
Integrated Command Center**

**TERMS OF REFERENCE**

**SUPPLY, DELIVERY, INSTALLATION AND IMPLEMENTATION OF  
Provincial Disaster Risk Reduction & Management Office Command Center**

**I. PROJECT OVERVIEW AND OBJECTIVES**

The Provincial Disaster Risk Reduction and Management Office (PDRRMO) of the Province of Cagayan is committed to advancing comprehensive and effective disaster risk reduction and management (DRRM) strategies. This initiative aims to significantly enhance the province's ability to protect lives, property, and the environment through a robust and integrated Disaster and Emergency Resource Management System. The proposed system encompasses five critical components, each designed to strengthen the overall DRRM framework:

**1. Central Command Center with Integration of the 5,560 Purok Locale of the Province of Cagayan**

Objective: Establish a state-of-the-art Central Command Center to coordinate and streamline DRRM activities across the province, linking all 5,000 Purok Locale for enhanced real-time communication and resource allocation.

**2. Training Center and DRRM School**

Objective: Develop a dedicated Training Center and DRRM School to provide comprehensive education and training programs, fostering a well-prepared and knowledgeable DRRM workforce.

**3. Integrated Surveillance System**

Objective: Deploy an advanced surveillance network to enhance central monitoring and response capabilities across the province, focusing on critical locations such as entry and exit points, District Hospitals, Quick Response Stations and Cagayan River Critical Points.

**4. Mini-Weather Station**

Objective: Implement mini-weather stations to gather real-time meteorological data, supporting accurate weather forecasting and timely dissemination of information to enhance disaster preparedness.

**5. Installation of Localized Weather Forecasting Device**

Objective: Install localized Digital Visual Atmospheric Sensors (DIVAS) to improve localized weather forecasting accuracy, aiding in early warning systems and disaster response planning in 4 coastal towns (to be determined during implementation).

## **6. PRDDRMO Command Center (Interconnectivity to all Sites)**

Objective: Command centers function as a centralized hub where operations can be monitored, controlled, and executed. Due to the specialized requirements of specific applications, these centers are usually highly secured and meticulously designed to guarantee uninterrupted daily functioning in diverse situations. Connectivity of 12 entry and exit points, 12 District Hospitals, 7 Quick Response Stations and 3 critical points of the Cagayan River for water level monitoring.

Key Features:

- **Centralized Information:** Gathering, processing, and disseminating information from various sources such as emergency calls, and field personnel, sensors, and cameras, to provide a comprehensive situational awareness to decision-makers.
- **Technology Integration:** Incorporates advanced technologies such as Geographic Information Systems (GIS), data analytics, video surveillance systems, communication systems, and more to enhance its capabilities.
- **Real-time Monitoring:** The facility is equipped with technology to monitor ongoing incidents, events, or situations in real-time. This could involve tracking the movement of emergency responders, monitoring weather conditions, or observing the status of critical infrastructure.
- **Information Dissemination:** The Command Center can provide timely and accurate information to the public, media, and other stakeholders to keep them informed and safe.

**The PDRRMO aims to build a resilient and responsive disaster management infrastructure that effectively mitigates risks and enhances the safety and well-being of the Cagayan community.**

## **II. COMPONENTS AND SCOPE OF WORK**

**Central Command Center with capability of receiving, identifying and responding to any emergencies from the citizen of the 5,560 Purok locale of Cagayan Province, monitoring the 12 entry and exit points, 12 District Hospitals, 7 Quick Response Stations and the 3 critical points of Cagayan River water level and for future requirement allowing the integration the existing city and municipalities surveillance systems for monitoring.**

### **Objectives:**

Establish a state-of-the-art Central Command Center to effectively monitor, coordinate, and manage DRRM activities and resources during emergencies for all 5,560 Purok locale of the

province to enable real-time data sharing, communication, and collaborative decision-making.

**Deliverables:**

Hardware and Network Setup: Installation of servers, workstations, networking devices, and secure connections to ensure seamless communication between the central and local command centers.

Communication Systems: Implementation of robust communication channels, including landline phones, mobile phones, and high-speed internet connectivity.

Backup Power Systems: Provision of reliable backup power solutions for uninterruptible power supplies (UPS), to ensure uninterrupted operations.

**Training Center and DRRM School**

**Objectives:**

To help provide extensive training programs and capacity-building initiatives for

PDRRMO personnel and other stakeholders to enhance their skills and knowledge in disaster risk reduction and management.

To help to Establish a dedicated DRRM school to provide continuous education and professional development opportunities in disaster management.

**Deliverables:**

Conference and Training Rooms: To be with 75-inch smart interactive boards for dynamic and interactive learning experiences.

Training Materials and Resources: To assist in the Development of comprehensive training materials and resources that align with national and international DRRM standards and best practices.

System Documentation and User Manuals: Comprehensive documentation and user manuals for all project-related DRRM systems and equipment.

Hands-on Training Sessions: Practical training sessions, including technology transfer and hands-on exercises, to ensure proficiency in using DRRM tools and systems

**Integrated Surveillance System**

**Objectives:**

Strengthen surveillance and monitoring capabilities across the province to enhance situational awareness and response efficiency.

Install high-definition CCTV cameras at strategic locations, including 12 entry and exit points, 12 District Hospitals, 7 Quick Response Stations and 3 critical points of the Cagayan River for water level monitoring.

**Deliverables:**

High-Quality CCTV Cameras: Supply and installation of advanced CCTV cameras with high resolution and night vision capabilities.



Centralized Video Management System (VMS): Implementation of a centralized VMS at the Command Center for comprehensive video monitoring, recording, and analysis.

Infrastructure Integration: Seamless integration of surveillance systems to the command center to ensure effective monitoring and response coordination.

### **Mini-Weather Station**

#### **Objectives:**

Provide accurate, real-time weather data and information to support proactive disaster preparedness and timely response.

Install mini-weather stations in remote and critical areas to enhance localized weather monitoring capabilities.

#### **Deliverables:**

Wireless, Solar-Powered Mini-Weather Stations: Deployment of mini-weather stations equipped with sensors for temperature, humidity, air pressure, wind speed, and precipitation. These stations will be wireless and solar powered for sustainability and reliability.

Real-Time Data Transmission: Ensure real-time transmission of weather data to the Command Center for continuous monitoring and analysis.

Durable and Weather-Resistant Equipment: Supply of robust and weather-resistant equipment to withstand harsh environmental conditions.

### **Installation of Localized DIVAS (Weather Forecasting Device)**

#### **Objectives:**

Enhance localized DIVAS weather forecasting and early warning capabilities to improve community preparedness and reduce disaster risk.

Facilitate timely and accurate dissemination of weather information to the public and DRRM personnel.

#### **Deliverables:**

Localized Weather Station Devices: Installation of weather forecasting devices in strategically chosen locations across the province.

System Integration: Integration of weather station devices with the central monitoring system for seamless data flow and analysis.

Training and Maintenance: Comprehensive training for personnel on the operation and maintenance of weather station devices, ensuring sustained functionality and accuracy.

## **III. APPROVED BUDGET FOR THE CONTRACT**

The Province of Cagayan has allocated a comprehensive

budget of Fifty Million PESOS (**Php 53,900,400.00**) for the execution of the Disaster and Emergency Resource Management System project. This substantial investment underscores the province's commitment to enhancing its disaster preparedness and response capabilities. The budget is meticulously planned to cover the following aspects:

**Supply of Equipment and Technologies:**

Acquisition of state-of-the-art hardware for the Central Command Center and software for the province of Cagayan.

Purchase of advanced training tools and materials for the Training Center and DRRM School.

Procurement of high-quality CCTV cameras for the Integrated Surveillance System. Installation of durable and accurate mini-weather stations.

Deployment of localized Weather Forecasting Devices for precise weather monitoring.

**Delivery and Logistics:**

Transportation and delivery of all equipment and materials to the designated locations across the province.

Coordination of logistics to ensure timely and efficient delivery to even the most remote areas.

**Installation and Setup:**

Professional installation of hardware and software components at the Central Command Center and local command centers.

Setting up of surveillance systems at 12 entry and exit points, 12 District Hospitals, 7 Quick Response Stations and 3 critical points of the Cagayan River for water level monitoring.

Installation and calibration of mini-weather stations and DIVAS devices for optimal performance.

**Implementation of Systems:**

Integration of all systems into a cohesive Disaster and Emergency Resource Management System.

Configuration of a data platform for real-time data management and incident tracking.

Establishment of secure and reliable communication networks linking all command centers.

**Training and Capacity Building:**

Conducting comprehensive training programs for PDRRMO personnel and stakeholders.

Development and distribution of user manuals and system documentation.

Hands-on training sessions to ensure smooth technology transfer and effective use of the new systems.

**Project Management and Oversight:**

Rigorous project management to oversee the execution of the

project within the stipulated time frame and budget. Regular progress reports and updates to ensure transparency and accountability. Contingency planning to address any unforeseen challenges during the project implementation.

**Warranty and Support Services:**

Provision of warranty for hardware and software components. Ensuring technical support and maintenance services to uphold system performance and reliability.

This budget allocation reflects a strategic investment in the safety and resilience of the Province of Cagayan, ensuring that all necessary resources and systems are in place to effectively manage and respond to disasters and emergencies.

**IV. PROJECT SCOPE**

The project shall include the ff. Deliverables:

1. Central Command Center with Integration of the 5,560 Purok locale of the Province of Cagayan
  - Surveillance Monitoring System
    - LED Wall System
    - Video Management System
    - Server
  - Dispatch/Incident Management System
  - Network & Cyber Security (Interconnectivity of PDRRMO Command Center to all Sites)
  - PABX with SIP Trunk
  - Access Security Control
  - Mini-weather station Access
2. Installation of Localized Digital Weather Forecasting Device
3. Integrated Surveillance System (remotes sites)
  - a. Entry and Exit Points of the Province of Cagayan
  - b. Water Level Monitoring of Cagayan River.
  - c. District Hospitals
  - d. QRT Stations

Item	Description	Schedule
Project Kick-off	Project Meeting with the project stakeholders, managers, and testers for discussion of system requirements, implementation plan, user acceptance testing	Week 1

Procurement and Delivery of Hardware	Delivery of hardware to be set up on the command center and contact center	Week 2-17
Device Installation	Development and customization based on the client's requirement	Week 18-29
Testing, Commissioning and Acceptance	Testing of users for the acceptance criteria and signing off of the system	Week 30-33
Go Live	Turnover of documents and credentials to the admin of the project. Project roll-out.	Week 34

## V. General Scope of Work

The Province of Cagayan shall select an individual, sole proprietorship, partnership, corporation, or joint venture for the Supply, Delivery, Installation, and Implementation of an Incident Reporting and Emergency Response System. This project shall cover the following scope of work:

The system should have a smartphone application for reporting incidents. For non-smartphone users, there should be SMS hotlines where the reporter may call and send messages if the mobile app is not available.

All the reported incidents should go to a centralized platform where the data are organized, managed, and visualized in the geographical map, dashboard, and tabular reports.

The dispatching system should be able to track the turnaround time of the response and the completion time when the incident is resolved.

The system is compliant with the Data Privacy Act (RA 10173) and the Freedom of Information (FOI) Act.

## VI. Detailed Technical Specification:

### 1. Facility Requirements:

- a. The Command Center must be located in a secure and accessible area within the province.
- b. The facility should have adequate space for the different operational units, as well as a central command room for monitoring and coordination activities.
- c. The facility must be equipped with backup power supply systems, such as connection to uninterruptible power supply (UPS) devices, to ensure continuous operation during power outages.

### 2. Communication and Information Systems:

- a. The Command Center must be equipped with advanced

communication systems, including landline telephones, mobile phones and internet connectivity.

**b.** The information and communications systems must be capable of supporting real-time data sharing and collaboration among different stakeholders.

**c.** The Command Center must have access to hazard and risk monitoring systems, such as weather forecasting tools, that can be expanded to earthquake monitoring and flood forecasting systems.

**3. Emergency Response and Resource Management Systems:**

**a.** The Command Center must have a capacity to comprehensive resource management system to track and manage the deployment of personnel, equipment, and supplies during emergencies.

**b.** The system should support the rapid generation of reports, such as situation updates and resource deployment status, to facilitate decision-making and communication.

**4. Security and Access Control Systems:**

**a.** The Command Center facility must be equipped with security systems, such as CCTV cameras and access control mechanisms, to ensure the safety and security of personnel and resources.

**b.** The security and access control systems must comply with relevant national and provincial regulations and standards.

**5. Training and Capacity Building:**

**a.** Conference and Training rooms will utilize a 75-inch Smart interactive board to make learning and meetings collaborative, engaging, and interactive.

**6. Water Level Monitoring Device (Early Warning Device)**

Weather Station needs deliver reliable, accurate data year after-year. It reports real-time wind speeds, temperature and humidity, barometric pressure, rainfall and other information such as heat index and dew point. Must provide historical data, highs and lows, indexes, moon phase, forecasts and much more. It can be used to signal potential danger and evacuation to communities. The collected data may be seen through a visualization portal or retrieved through manual means such as USB retrieval.

**A. CENTRAL COMMAND CENTER COMPONENTS**

**1. SURVEILLANCE MONITORING**

Command Center	Description	Qty	UOM	Statement of Compliance
Surveillance Monitoring				

LED Wall System Actual Width 4, Height 3m	<p>LED Screen Monitoring Station - LED screen cabinet - Each cabinet consists of several modules</p> <p><b>Cabinet Size 600mmx675mm</b> Horizontal 5 cabinets Vertical 2 Cabinets Total LED Wall Size 4.05m<sup>2</sup></p> <p><b>Decoder</b></p> <ul style="list-style-type: none"> <li>• Provides Real-time Decoding</li> <li>• Smart H.265+, H.265, H.264, MPEG4, MJPEG Video Compression</li> <li>• Ultra-high Decoding Capability, up to 12 MP on Three (3) Channels</li> <li>• HDMI/VGA Output; HDMI Supports 4K Output</li> <li>• Supports 1/4/9/16/25/36/64 Split screen Display</li> <li>• Audio, Alarm, and Bi-directional Talk</li> </ul> <p><b>LED Sending Box</b></p> <p>1) Loading capacity up to 2300,000 pixels with a maximum width of 3840 pixels and a maximum height of 3840 pixels.</p> <p>2) 6x RJ45 Gigabit Ethernet ports: Redundancy between Ethernet ports supported Total Pixel 1,152,000 Horizontal Pixel 1600 Vertical Pixel 720</p>	1	lot	
Fabricated Metal Structure	Fabricated Metal Structure	1	lot	
Application Server (for DSS)	(R760-8452Y*2-64G*1-2T*3-480G*2)	1	pc	
i7 Workstation	Workstation i7	4	pcs	
23.8" W-LED Monitor 75Hz, 4Ms   IPS Panel   Full HD Resolution: 1920 x 1080   Built In Speakers 2Wx2	23.8" W-LED Monitor 75Hz, 4Ms   IPS Panel   Full HD Resolution: 1920 x 1080   Built In Speakers 2Wx2	8	pcs	
Mouse, keyboard & Headset	mouse, keyboard, Headset & Mouse/keyboard Pad	4	sets	
Video Management Base license	<ul style="list-style-type: none"> <li>• Integrates All Management Functions into One Client</li> <li>• Allows Device Initialization and Management</li> <li>• Live Video Playback from Edge Device</li> <li>• Supports Access Control and Video Intercom Integration</li> </ul>	1	pc	

	<ul style="list-style-type: none"> <li>• Configure Video Wall Layout and Scheme</li> <li>• Provides Fisheye Camera Dewarping in Live View or Playback</li> </ul>			
Additional VMS License	Additional VMS License	143	pcs	
<b>Dispatch/Incident Management System</b>				
Incident Management System	Incident Management System - IMS Software for 10 Users - IMS Application Server - Messaging Integration (Messenger, Viber and Email) - Responder Mobile App Integration	1	lot	
Mobile Responder Application for Quick Response Offices	Mobile Application for Responder (for 30 Responders)	1	lot	
Mobile App for Purok Level 5,560 Purok App Access	Mobile Application (Android & IOS)- Purok Level <ul style="list-style-type: none"> <li>• License for up to 5,560 users (BYOD)</li> <li>• Application Publication in Play store and App Store</li> <li>• Integration with IMS</li> <li>• One-year support / upgrades (publisher security releases)</li> </ul>	1	lot	
Smartphones for Responders	Smartphones for Responders	7	pcs	
<b>Network &amp; Cyber Security</b>				
Firewall Equipment / Gateway	Firewall Equipment / Gateway Network Interface: (2) 10 Gbps SFP+ WAN ports, (2) Auto media detect 1 Gbps (RJ45 Cooper / SFP fiber) combo ports <ul style="list-style-type: none"> <li>• (4) 2.5 Gbps RJ-45 "direct" (unstitched) ethernet (LAN)</li> <li>• Storage: 128 GB NVMe M.2 SSD (B+MKey)</li> <li>• Memory: 16 GB DDR4 w/o ECC, singlechannel</li> <li>• Capable of the ff. Software Features: Ad blocker, Captive Portal, CARP, DNS Server, DHCP Server, HTTP transparent / web / reverse proxy (Squid), IP</li> </ul>	1	lot	

	/ Country block, IDS / IPS, Packet capture / inspection, Port forwarding, QOS / rate limiters, Software load balancer (HA Proxy), Traffic monitoring, Traffic logging, statistics, and graphs, Traffic shaping, VLAN, SD-WAN, Wake-on-LAN, Website blocker			
Firewall Remote Access Equipment	Firewall Remote Access Equipment	31	pcs	
Core Switch	Core Switch 24-Port Gigabit Stackable L3 Managed PoE+ Switch with 4 10G Slots	1	Pc	
Access Switch	Access Switch 24-Port Gigabit L2+ Managed Switch with 4 10GE SFP+ Slots	1	pc	
<b>PABX</b>				
IP PABX	Users: 100 (up to 200) ▪ Max Concurrent Calls: 30 (up to 60) ▪ Max Analog Ports: 8 IP PABX ▪ Max BRI Ports: 8 ▪ Max Cellular Ports: 4 1 Pc ▪ Max E1/T1/J1 Ports: 1 ▪ Expansion Boards: 1*EX30/EX08+1*D30 ▪ External Storage: USB, HDD	1	pc	
2FXOS	FXO Cards	1	Pc	
GSM Gateway GSM 2 SIM Cards	GSM Module	1	pc	
SIP Phones	<ul style="list-style-type: none"> <li>• HD Voice</li> <li>• 2.3" 132x64-pixel graphical LCD with backlight</li> <li>• Dual-port Gigabit Ethernet</li> <li>• PoE support</li> <li>• Up to 2 SIP accounts</li> <li>• Local 5-way conferencing</li> <li>• Support EHS Wireless Headset</li> <li>• Unified Firmware</li> <li>• Support YDMP/YMCS</li> <li>• Stand with 2 adjustable angles</li> <li>• Wall mountable</li> </ul>	5	pcs	
HDD	2TB HDD	1	pc	
<b>Access Control</b>				
Face Recognition Access Controller, Biometric, PIN, and RFID	Face Recognition Access Controller > 7 inch IPS display, resolution 1024×600 > Support face unlock, fingerprint	1	pc	



	<p>unlock, IC card unlock, and password unlock; unlock by period &gt; With face detection box; the largest face among faces that appear at the same time is recognized first; the maximum face size can be configured on the web &gt; 2MP wide-angle WDR lens; with auto/manual fill light &gt; Face-camera distance: 0.3 m–2.0 m; human height: 0.9 m–2.4 m &gt; With face recognition algorithm, the access controller can recognize more than 360 positions on human face &gt; Face verification accuracy&gt;99.5%; face comparison speed 0.35s per person; low false recognition rate &gt; Support profile recognition; the profile angle is 0°–90° &gt; Holds 50, 000 users, 50, 000 faces, 10, 000 fingerprints, 50, 000 cards, 1 Pc Page 16   41 50, 000 passwords, and 50 administrators &gt; Support liveness detection &gt; Support duress alarm, tamper alarm, intrusion alarm, door contact timeout alarm, illegal card exceeding threshold alarm , and more &gt; Support general users, patrol users, VIP users, guest users, and the disabled users &gt; With 4 unlock status display modes</p>			
Magnetic Lock 500kg	Magnetic Lock 500kg	1	pc	
Magnetic z Bracket	Magnetic z Bracket	1	pc	
Exit Button	Exit Button	1	pc	
<b>Air Conditioning</b>				
2HP Inverter, Smart Cooling Aircon	2HP Inverter, Smart Cooling Aircon	2	pcs	
Electrical Materials and Consumables (Breakers, Cables, Tapes, Grounding, etc.)	Electrical Materials and Consumables (Breakers, Cables, Tapes, Grounding, etc.)	1	lot	
<b>Others</b>				

UPS 10KVA	UPS 10KVA	2	pc	
Tables & Chairs (for workstations)	Tables & Chairs (for workstations)	4	set	
Mobile Pedestal	Mobile Pedestal	3	pcs	
Office Table & Chair (for officer)	Office Table & Chair (for officer)	1	set	
Dome 4MP indoor cameras	<ul style="list-style-type: none"> <li>· 4MP, 1/3" CMOS image sensor, low illuminance, high image definition</li> <li>· Outputs 4MP (2560 × 1440) @ 25/30 fps, Max. supports 4MP (2688 × 1520) @ 20 fps</li> <li>· H.265 codec, high compression rate, ultra-low bit rate</li> <li>· Built-in warm lights, max. illumination 2 Pcs</li> <li>Page 17   41 distance: 30 m</li> <li>· ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments</li> <li>· Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes</li> <li>· Intelligent detection: Intrusion, tripwire</li> <li>· Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection</li> <li>· Supports max. 256 GB Micro SD card</li> <li>· 12V DC/PoE power supply</li> <li>· IP67 protection</li> </ul>	3	pcs	
42U Cabinet	42U Cabinet	1	pcs	
Server Room Flooring	Anti-Static Vinyl Flooring	1	lot	
PA system (Siren, Speaker & Amplifier)	PA system (Siren, Speaker & Amplifier)	1	set	

### For Application Server

Item No.	Components	Specification	Statement of Compliance
1.	Application Server	<p><b>Processor:</b> Intel® Xeon® Platinum 8452Y 2G, 36C/72 T, 16GT/s, 67.5M Cache, Turbo, HT (300W) DDR5-4800</p> <p><b>Memory:</b> (1) 64GB RDIMM, 4800MT/s Dual Rank</p> <p><b>Network Controller:</b> Broadcom 5720 Quad Port 1GbE BASE-T, OCP NIC 3.0</p> <p><b>Storage Controller:</b> PERC H755 SAS Front</p> <p><b>Hard Drive:</b> (Configuration RAID 1 and RAID 5) (3) 1.92TB SSD SAS, RI, up to 24Gbps 512e 2.5in Hot-Plug</p>	

		(2) 480GB SSD SATA Read Intensive 6Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD <b>Optical Drive:</b> 8X DVD-ROM, USB, EXTERNAL <b>Power Supply:</b> Dual, Hot-Plug, Fully Redundant Power Supply (1+1), 1400W, Mixed Mode <b>Management:</b> iDRAC <b>Form Factor:</b> 2U Rack Server, with Ready Rails Sliding Rails With Cable Management Arm	
2.	Operating System	Windows Server 2022 standard Operating System Must be transferable to another server if needed (Reassign)	
3.	Anti-Virus	* full product * one (1) year subscription	
4.	Monitor	23.5"	
5.	Mouse and Keyboard	USB	
6.	Support – One (1) Year	Unlimited 8x5 Helpdesk Support and Project Management <ul style="list-style-type: none"> <li>• Phone Support</li> <li>• Email Support</li> <li>• Remote Support</li> </ul>	
7.	Warranty	Three (3) years extended warranty both on parts & on-site services for all components and accessories	
8.	Licenses	All licenses should be registered to Provincial Government of Cagayan	

Item No.	Task Name	Specification	Estimated No. of Days
1.	Installation and Configuration	<ul style="list-style-type: none"> <li>• Installation and configuration of server and software</li> <li>• Testing of server</li> </ul>	2
Total			2

**A. Deliverables**

No.	Particulars	Unit	Qty
1	Application Server	Unit	1
2	Windows Operating Server	License	1
3	Anti-Virus	License	1
4	Monitor	Unit	1
5	Mouse and Keyboard	set	1

**2. INCIDENT MANAGEMENT SYSTEM FEATURES**

Project Components	Description	Qty	Statement of Compliance
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Incident Management System	<ul style="list-style-type: none"> <li>• Mobile submission of incident/events</li> <li>• Dynamic categories of incident/events</li> <li>• Multi-user role</li> <li>• Different touch points of ticket submission</li> <li>• Exportable real-time reports</li> <li>• Executive Information Dashboard</li> <li>• Computer Aided Dispatch <ul style="list-style-type: none"> <li>• Assignment of Responder</li> </ul> </li> </ul>	1	Lot	
Mobile Application	<ul style="list-style-type: none"> <li>• Submit incident/events</li> <li>• Add attachments</li> <li>• Reply to Dispatcher</li> <li>• Reply to Responder</li> <li>• View historical tickets</li> <li>• Location Tracker</li> <li>• Categories Selection</li> <li>• History</li> <li>• Announcement (dependent on messaging subscription)</li> <li>• View announcements from the command center</li> <li>• Registration</li> </ul>	1	Lot	
Incident Management System Content Management Modules	<ul style="list-style-type: none"> <li>• Incident and Event Management <ol style="list-style-type: none"> <li>1. New</li> <li>2. On-going</li> <li>3. Resolved</li> <li>4. Hold</li> <li>5. Junked</li> <li>6. Search Incident / Event</li> <li>7. Upload / Download Attachment</li> </ol> </li> </ul>	1	Lot	
	<ul style="list-style-type: none"> <li>• Heatmap</li> <li>• Incident Map</li> <li>• Reports</li> <li>• Dashboard</li> <li>• System Management</li> <li>• User Management <ol style="list-style-type: none"> <li>1. System Users</li> <li>2. Roles Assignment</li> <li>3. Mobiles Users</li> </ol> </li> <li>• Categories Management</li> <li>• Sub-Categories Management</li> <li>• Create dispatchers/ responders</li> </ul>			
Dispatcher Module	<ul style="list-style-type: none"> <li>• Dispatched Assets</li> <li>• Dispatcher Details</li> <li>Track Start Time and End Time</li> </ul>	1	Lot	

News and Announcement Module	<ul style="list-style-type: none"> <li>• Create News &amp; Announcement posting</li> <li>• View history of News</li> </ul>	1	Lot	
FAQ Modules	<ul style="list-style-type: none"> <li>• Create FAQ posting</li> <li>• View history of FAQs</li> </ul>	1	Lot	
Dashboard Module	<ul style="list-style-type: none"> <li>• Shows the Total Incident / Event</li> <li>• Summary of all Incident / Event's Status</li> <li>• Comparative Charts</li> <li>• Percentage Chart by Categories</li> <li>• Notifications of new /</li> <li>• Closed Incident / Event</li> </ul>	1	Lot	
Contact Center Module	<ul style="list-style-type: none"> <li>• Create new incidents</li> <li>• Assign responder</li> <li>• Submit the reported incident with the location and details</li> <li>• Update incidents</li> </ul>	1	Lot	
Reports	<ul style="list-style-type: none"> <li>• Reports</li> <li>• Filter by Categories, Department, Status and Date</li> <li>• Incident / Event Duration and/or Summary</li> <li>• Responder Report</li> <li>• Incident / Event by Categories</li> <li>• Export to Excel and/or PDF</li> <li>• Heatmap</li> <li>• Representation of Total Incident / Events submitted by status</li> <li>• Incident / Event Map</li> </ul>	1	Lot	
Incident Map	<ul style="list-style-type: none"> <li>• Allows plotting of addresses on the map based on the location of the reporter</li> </ul>	1	Lot	

**B. INSTALLATION MINI-WEATHER STATIONS TO 4 COASTAL MUNICIPALITIES**

Towns - Weather Stations - 4 Coastal towns				State of Compliance
Wireless Vantage Pro2 with Weatherlink Console a. WeatherLink Console b. PCBA ISS for Vantage Pro2 Sensor Suite c. 3-volt Lithium Battery CR123 d. Temperature/Humidity Digital Sensor Board e. Anemometer f. Tipping Spoon Replacement Kit g. Reed Switch for Tipping Spoon	Wireless Vantage Pro2 with Weatherlink Console a. WeatherLink Console b. PCBA ISS for Vantage Pro2 Sensor Suite c. 3-volt Lithium Battery CR123 d. Temperature/Humidity Digital Sensor Board e. Anemometer f. Tipping Spoon Replacement Kit g. Reed Switch for Tipping Spoon	4	set	
WeatherLink Pro License (1 yr subscription) covered up to 3 years	WeatherLink Pro License (1 yr subscription) 3 years	3	yrs	

**C. INTEGRATED SURVEILLANCE SYSTEM (SUPPLY & INSTALLATION OF CCTV CAMERAS TO ENTRY & EXIT POINTS, DISTRICT HOSPITALS, QUICK RESPONSE STATIONS AND WATER LEVEL MONITORING OF CAGAYAN RIVER)**

Entry/Exits 12 sites, 2 cameras each site				State of Compliance
ANPR Cameras (Plate recognition)	> High-performance CMOS image sensor and processor that supports continuously extracting metadata 24/7. > Adopts intelligent deep learning algorithms and supports recognition of unlicensed vehicles and the type, brand and color of vehicles. > Built-in signal port, data port, communication port and remote controllers assist in controlling external devices such as entry and exit barriers. > Built-in LED for simplified installation and commissioning. > All-in-one structure with junction box and bracket, and it is also low power consumption. > IP67 and IK10 rated. > Supports intrusion and loitering detection and triggers light and voice alarms when	24	pcs	

	perimeter events occur to actively deter 24 Pcs Page 21   41 targets. Custom audios can also be imported and edited. > Easily adapts to scenarios through its motorized vari-focal lens.			
White Strobe light	Support stroboflash · Adopt ATMEL AVR high capability MCU · Adopt advanced steady flowing technique, accuracy and steady current control · Adopt cree high capability white LED, energy saving and environmental protection · Support Illuming automatically according to environment brightness, configure the threshold · Support video synchronization · Support snapshot synchronization · Support adjusting frequency of stroboflash · Support adjusting brightness · Support RS485 · Support cascading of multi device · Support flash of exploding · Support configuring parameter by serial port · Support upgrade by serial port · Low response time	24	pcs	
Protective Enclosure & Bracket	Protective Enclosure & Bracket	24	pcs	
Pole Mount Bracket	Pole Mount Bracket	24	pcs	
Wall Mount Bracket	Wall Mount Bracket	24	pcs	
NVR 8 Channel	> Supports Smart H.265+, H.265, Smart H.264+, H.264 and MJPEG decoding formats. > Max. decoding capability: 32 × 1080p@30 fps or 8 × 8MP@30 fps. > Max. 384/384/384 Mbps incoming/recording/outgoing bandwidth. > Supports IP cameras with a resolution up to 32 MP. > Supports AcuPick with up to 8 channels. > Supports N+M cluster,iSCSI. > AI by Recorder supports 2 channel face detection and 3 pcs Page	12	pcs	

	22   41 recognition, up to 20 face databases and 20,000 face images; 4-channel perimeter protection; 8-channel SMD Plus. > AI by Camera supports face detection and recognition, perimeter protection, SMD Plus, metadata, ANPR, stereo analysis, heat map, and people counting. > Supports EPTZ, and one-click arming and disarming.			
CCTV Monitor	31" W-LED Monitor	12	pcs	
8TB HDD	8TB HDD	12	pcs	
UPS 1000VA	UPS 1000VA	12	pcs	
12 RU Cabinet	12 RU Cabinet	12	pcs	
Pole	Camera Pole	24	pcs	
<b>Quick Response Station 7 sites, 6 cameras each site</b>				
Dome Indoor Cameras 4MP	· 4MP, 1/3" CMOS image sensor, low illuminance, high image definition · Outputs 4MP (2560 × 1440) @ 25/30 fps, Max. supports 4MP (2688 × 1520) @ 20 fps · H.265 codec, high compression rate, ultra-low bit rate · Built-in warm lights, max. illumination distance: 30 m · ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments · Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes · Intelligent detection: Intrusion, tripwire · Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection · Supports max. 256 GB Micro SD card · 12V DC/PoE power supply · IP67 protection	42	pcs	
NVR 8 Channel	8 Channel 1U 2HDDs Network Video Recorder > New 4.0 user interface, Security baseline 2.1 > H.264, H.265, Smart H.264+, and Smart H.265+. H.265 auto switch > Max. decoding capability: 8 × 1080p@30 fps. Supports adaptive decoding > Supports mainstream cameras of	7	pcs	



	ONVIF and RTSP protocols > P2P remote surveillance, video play on mobile device > VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K > AI by Camera: Face detection, perimeter protection, IVS, people counting, heat map, and SMD > Supports remote configuration and management of IPC, such as setting parameters, getting information, and upgrading IPC of the same model in batches			
PoE Switch	8-Port Gigabit Industrial Switch with 4-Port Gigabit PoE (Managed) > All-gigabit port design. > Supports IEEE802.3af, IEEE802.3at, Hi-PoE and IEEE802.3bt (red port) standards. > 250 m long-distance PoE transmission (10 Mbps). > PoE Watchdog. > Supports STP, RSTP, and ERPS. > IEEE802.1Q-based VLAN configuration. > Manual link aggregation and static LACP. > Desktop mount and DIN-rail mount.	7	pcs	
CCTV Monitor	31" W-LED Monitor	7	pcs	
8TB HDD	8TB HDD	7	pcs	
UPS 1000VA	UPS 1000VA	7	pcs	
12 RU Cabinet	12 RU Cabinet	7	pcs	
Mouse	Mouse	7	pcs	
Wi-Fi Access Point	300Mbps Wireless N 4G LTE Router	7	pcs	
<b>Provincial Hospitals - 12 sites, 6 cameras each site</b>				
Dome Indoor Cameras 4MP	· 4MP, 1/3" CMOS image sensor, low illuminance, high image definition · Outputs 4MP (2560 × 1440) @ 25/30 fps, Max. supports 4MP (2688 × 1520) @ 20 fps · H.265 codec, high compression rate, ultra-low bit rate · Built-in warm lights, max. illumination distance: 30 m · ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments · Rotation mode, WDR, 3D NR, HLC, BLC, digital	72	pcs	

	<p>watermarking, applicable to various monitoring scenes · Intelligent detection: Intrusion, tripwire · Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection · Supports max. 256 GB Micro SD card · 12V DC/PoE power supply · IP67 protection</p>			
NVR 8 Channel	<p>8 Channel 1U 2HDDs Network Video Recorder</p> <ul style="list-style-type: none"> <li>&gt; New 4.0 user interface, Security baseline 2.1 &gt; H.264, H.265, Smart H.264+, and Smart H.265+. H.265 auto switch &gt; Max. decoding capability: 8 × 1080p@30 fps.</li> <li>Supports adaptive decoding &gt; Supports mainstream cameras of ONVIF and RTSP protocols &gt; P2P remote surveillance, video play on mobile device &gt; VGA/HDMI simultaneous video output, maximum resolution of HDMI is 4K</li> <li>&gt; AI by Camera: Face detection, perimeter protection, IVS, people counting, heat map, and SMD &gt; Supports remote configuration and management of IPC, such as setting parameters, getting information, and upgrading IPC of the same model in batches</li> </ul>	12	pcs	
PoE Switch	<p>8-Port Gigabit Industrial Switch with 4-Port Gigabit PoE (Managed) &gt; All-gigabit port design. &gt; Supports IEEE802.3af, IEEE802.3at, Hi-PoE and IEEE802.3bt (red port) standards.</p> <ul style="list-style-type: none"> <li>&gt; 250 m long-distance PoE transmission (10 Mbps).</li> <li>&gt; PoE Watchdog.</li> <li>&gt; Supports STP, RSTP, and ERPS.</li> <li>&gt; IEEE802.1Q-based VLAN configuration.</li> <li>&gt; Manual link aggregation and static LACP.</li> <li>&gt; Desktop mount and DIN-rail mount.</li> </ul>	12	pcs	

CCTV Monitor	31" W-LED Monitor	12	pcs	
8TB HDD	8TB HDD	12	pcs	
UPS 1000VA	UPS 1000VA	12	pcs	
12 RU Cabinet	12 RU Cabinet	12	pcs	
Mouse	Mouse	12	pcs	
Wi-Fi Access Point	300Mbps Wireless N 4G LTE Router	12	pcs	
<b>Water Level Monitoring of Cagayan River-3 Sites</b>				
Hydrological Monitoring Network Camera	8MP 40x Starlight WizMind Hydrological Monitoring Network Camera > 1/1.8" 8Megapixel STARVIS™ CMOS > Powerful 40x optical zoom > IR distance up to 250 m > Max. 25/30 fps@4K > Water level marker detection and calibration > Water level marker joining > Boat detection > IP67	3	pcs	
Pole mount bracket	>Material: SECC & SUS304 >Pole mount bracket >Aesthetic design	3	pcs	
NVR	8CH 2HDD 1U NETWORK VIDEO RECORDER > Supports Smart H.265+, H.265, Smart H.264+, H.264 and MJPEG decoding formats. > Max. decoding capability: 32 × 1080p@30 fps or 8 × 8MP@30 fps. > Max. 384/384/384 Mbps incoming/recording/outgoing bandwidth. > Supports IP cameras with a resolution up to 32 MP. > Supports AcuPick with up to 8 channels. > Supports N+M cluster, iSCSI. > AI by Recorder supports 2 channel face detection and recognition, up to 20 face databases and 20,000 face images; 4-channel perimeter protection; 8-channel SMD Plus. > AI by Camera supports face detection and recognition, perimeter protection, SMD Plus, metadata, ANPR, stereo analysis, heat map, and people counting. > Supports EPTZ, and one-click arming	3	pcs	

	and disarming.			
PoE Switch	8-Port Gigabit Industrial Switch with 4-Port Gigabit PoE (Managed) > All-gigabit port design. > Supports IEEE802.3af, IEEE802.3at, Hi-PoE and IEEE802.3bt (red port) standards. > 250 m long-distance PoE transmission (10 Mbps). > PoE Watchdog. > Supports STP, RSTP, and ERPS. > IEEE802.1Q-based VLAN configuration. > Manual link aggregation and static LACP. > Desktop mount and DIN-rail mount.	3	pcs	
31" W-LED Monitor	31" W-LED Monitor	3	pcs	
8TB HDD	8TB HDD	3	pcs	
UPS 1000VA	UPS 1000VA	3	pc	

**D. TRAINING CENTER AND DRRM SCHOOL**

Others				State of Compliance
Smart Interactive boards 75 Inches	Smart Interactive boards 75 Inches	5	pcs	
Slim Trolley Cart for 55" to 105" Display	Slim Trolley Cart for 55" to 105" Display	5	pcs	
Conference Table and 8 chairs	Conference Table and 8 chairs	5	sets	
Portable Speakers	Portable Speakers	3	pcs	
Wireless Microphone system	Wireless Microphone System with 2 channel UHF handheld dynamic microphone	3	sets	
System Unit	Laptop i7/512gb/8gb RAM	30	units	

**E. LABOR INSTALLATION MATERIALS (MANPOWER INSTALLATION, CABLING & PIPING)**

Labor and Manpower (Installation, Cabling, Piping)			
Roughing-ins, Materials and Consumables	Roughing-ins, Materials and Consumables	1	lot
Mobilization and Demobilization	Mobilization and Demobilization	1	lot

Safety and other PPE Requirements (Safety officer, ladder, Scaffold, etc.)	Safety and other PPE Requirements (Safety officer, ladder, Scaffold, etc.)	1	lot
Project Management and Documentation	Project Management and Documentation	1	lot
Labor and Manpower	Labor and Manpower (Installation, Cabling, Piping)	1	lot
System Configuration, Testing and Commissioning	System Installation, Configuration, Testing and Commissioning	1	lot
Training and Handover	Training and Handover	1	lot
Command Center Fit Out	Command Center Fit Out	1	lot

**F. OTHER SUPPORT SERVICES:**

**1. Training**

The project contractor must provide the necessary comprehensive training which shall cover the following

**2. Documentation**

The project contractor must provide complete documentation for every deliverable/milestone. The Province of Cagayan shall own all documents and shall reserve the right to reproduce at no additional cost.

Documentation must be written in English of durable construction with concise and high-quality presentation to include but not limited to the following:

- a. System Source codes and Associated Libraries
- b. User Manuals/Technical/Reference Manuals
- c. System/Operation Manual/Troubleshooting and Installation Guide

Project Components	Description	
Administrator Training	This training shall be conducted with the system administrator who will be the technical person managing the system. It aims to discuss the master settings of the system and the configuration of the environment. Level 1 Support including the functional flow of the system and access level of each actor of the system will also be discussed.	1

Dispatcher and Call Takers Training	This training shall be conducted to the other users of the system including the dispatchers and call takers. Steps on how to create and manage tickets will be discussed as well as the navigation on the system.	1
System Documentation	User Manuals/Technical/Reference Manuals System/Operation Manual/Troubleshooting	1

### G. COMMUNICAITON

Project Components	Description	Qty	UOM	State of Compliance
<b>Communication</b>				
Command Center - Internet Subscription	100Mbps dedicated Internet	12	Mos	
Installation Fee - Internet	Installation Fee – Internet	1	Lot	
Command Center - SIP Phone Subscription	10 SIP Trunk Subscription	12	Mos	
Installation Fee - SIP	Installation Fee - SIP	1	Lot	
SIM Card Subscription Smart & Globe (Command Center)	Prepaid/Post Paid SIM Card Smart & Globe	12	Mos	
Quick Response Internet Subscription	Business up to 300 Mbps – 7 sites	12	Mos	
Installation Fee Internet Subscription	Installation Fee Internet Subscription – 7 sites	1	Lot	
Hospitals Internet Subscription	Business up to 300 Mbps – 12 sites	12	Mos	
Installation Fee Internet Subscription	Installation Fee Internet Subscription – 12 sites	1	Lot	
Entry/Exits Internet Subscription	SIM Card Subscription – 12 sites	12	Mos	
LTE Modem - Exit/Entry	Business up to 300 Mbps 12 site	12	Mos	
Hydro/Water Level Monitoring Internet Subscription	Business up to 300 Mbps 3 site	12	Mos	

Installation Fee Internet Subscription	Installation Fee Internet Subscription	1	lot	
Weather Station	Prepaid/Post Paid SIM Card	12	Mos	
Quick Response SIM Cards	Prepaid/Post Paid SIM Card	12	Mos	

**VII. Project Duration**

- 238 calendar days

**VIII. Technology Transfer**

- Troubleshooting guidelines of the platform
- Hands-on training on the use of back-office administration; and report generation
- Training starts after user acceptance testing

**IX. Subscriptions**

- 1 Year internet subscription at least 100Mbps Unlimited
- SIP Trunk
- 1 Year Internet SIM Card subscription
- 1 Year Network Firewall License Subscription
- Incident Management System Subscription (One time/No expiration)

**X. Service Level Agreement**

- Technical support must be available from 8AM to 5PM; Monday to Friday excluding Holidays
- Request for support must be confirmed by the vendor within one hour
- Troubleshooting must be performed within three hours after vendor confirmation
- Updates and upgrades of the system
- On-site visit if the requested support cannot be resolved remotely

**XI. Vendor's Qualifications and Certification**

To ensure the successful implementation of the Disaster and Emergency Resource Management System, vendors must meet the following qualifications and possess relevant certifications:

1.The Contractor must be authorized and endorsed by the manufacturer/distributor/representative/reseller in the Philippines to participate in this bid, substantiated by certification demonstrating the given support and authorization for the following components of the Command Center:

- a. LED Wall
- b. CCTV Cameras
- c. Network Equipment
- d. Video Management System
- e. Incident Management System
- f. Weather Station

a. The Contractor should maintain a dedicated project management team for ensuring the smooth implementation of the project. This team must consist of at least

a. two (2) Project Managers with a minimum of five (5) years of project management experience. All Project Managers within the team should be full-time regular employees of the Contractor, with a tenure of at least five (5) years.

b. A designated Project Manager will serve as the single point of contact, overseeing the project and attending all relevant meetings during implementation.

c. The Contractor's project managers are required to submit a certificate of employment, CVs, and proof of employment.

d. The Contractor's project managers must be Licensed ECE and at least 1 PMP Certified.

2. The Contractor must employ a specified number of certified personnel to ensure effectiveness and capability:

a) At least two (2) Personnel Certified by the CCTV Manufacturer

b) At least one (1) Personnel Certified by Video Management System Manufacturer

c) At least one (1) Personnel Certified by Network Equipment Supplier

d) At least one (1) Personnel Certified in Construction Occupational Safety and Health (COSH)

e) At least two (2) Licensed Electronic Communication Engineers

f) At least one (1) Licensed Electrical Engineer

g) At least one (1) Certified Network Administrator

h) At least one (1) Network Professional

3. The Contractor must be duly established in the Philippines with a minimum of ten

(10) years' experience in the supply, delivery, installation, and commissioning of high-end and trusted brands of CCTV Surveillance Systems.

4. The Contractor should have successfully completed projects with the following scope:

a. At least one (1) project involving Installation and Commissioning of Command Centers exceeding the 50% of the required quantity for this bid within 2 years from this bid.

b. At least two (2) government CCTV/Surveillance or command center projects are completed within 2 years of this bid.

## **XII. OWNERSHIP AND CONFIDENTIALITY OF DATA**

**To protect sensitive information and ensure proper data management, the following conditions apply:**

### **Data Confidentiality:**

All data and information related to the system and operation are confidential and shall not be shared with third parties without prior written consent.



**Ownership:** All software and technology licenses must be registered under the Provincial Disaster Risk Reduction & Management Office (PDRRMO).

**Compliance:**

The contractor must adhere to the Data Privacy Act and all relevant regulations to ensure data security and privacy.

Regular audits and compliance checks to verify adherence to data protection standards.

**XIII. Warranty**

To ensure the longevity and reliability of the system, the vendor must provide the following warranties and support services:

**Software Warranty:**

year warranty covering bug fixes and minor adjustments.

**Hardware Warranty:**

Minimum of 1 year covering parts and labor.

**Support and After Sale Services:**

- Remote technical support available from 8 AM to 5 PM, Monday to Friday, including holidays.
- Confirmation of support requests within one hour.
- Troubleshooting and issue resolution within three hours of request confirmation.
- Availability of emergency support services outside regular hours.

**XIV. PAYMENT SCHEDULE/MILESTONES**

Payment, which shall be made in Philippine Currency, shall be per service delivered according to the following schedule:

<b>Deliverables</b>	<b>Percentage</b>
Preliminaries, Delivery of Hardware & Software (Progress billing) and Installation	60% of the contract price
Training, Testing, Commissioning & Project Acceptance	20% of the contract price
Retention and Support Fund	20% of the contract price



## PLATFORM USERS



**TELECOMMUNICATOR**  
Receives calls and logs pertinent details into the Incident Management System.



**DISPATCHER**  
Receives details from the Incident Management System and dispatches appropriate responders via mobile app, CAD or outbound call.



**RESPONDER**  
Receives the details of the incident via mobile app, Digital Mobile Radio, SMS or voice call. Updates status of the incident and automatically updated in the IMS.



**SUPERVISOR**  
Tracks status of incidents in dashboard charts and receives IMS scheduled automated summary reports.



**INCIDENT DATABASE**



**REAL-TIME DASHBOARD**



**AUTOMATED REPORTS**



**TELEPHONY INTEGRATION**

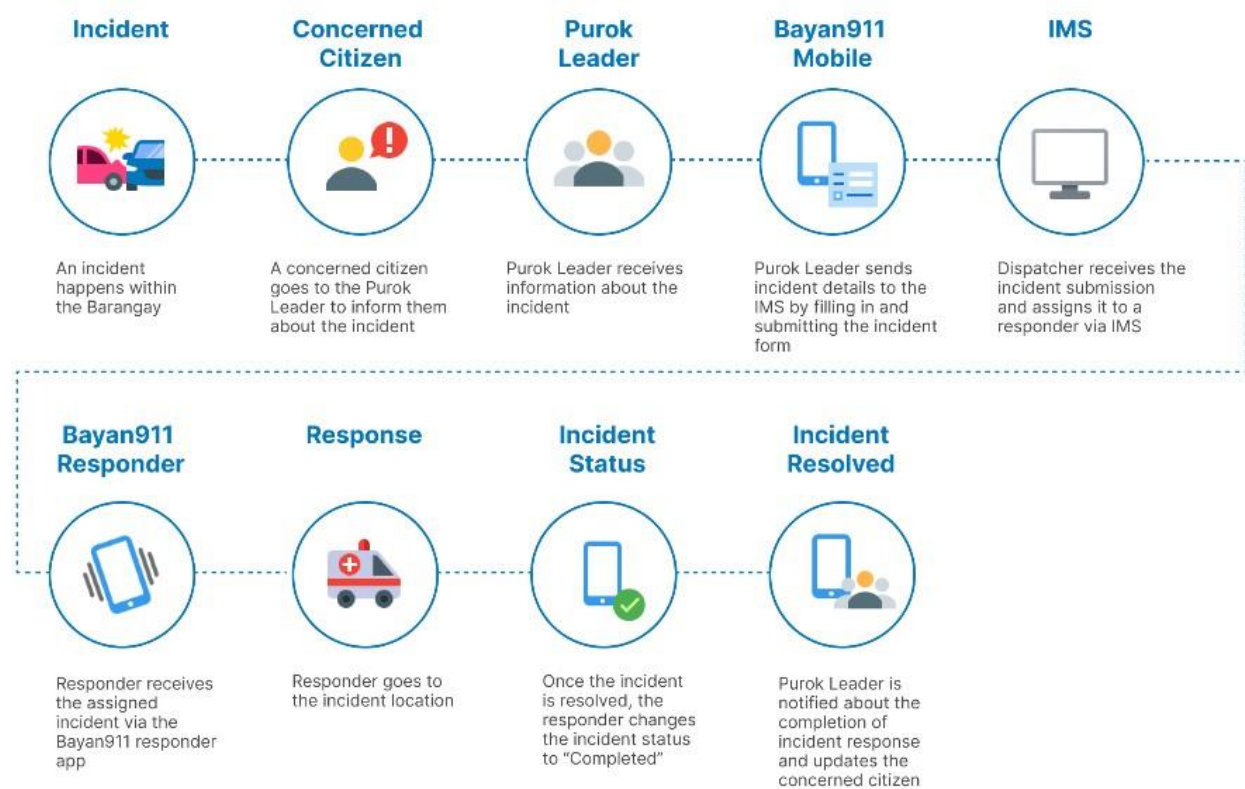


**with INTEGRATED RESPONDER MOBILE APP**



## DISPATCH/INCIDENT MANAGEMENT SYSTEM FLOW

## INCIDENT REPORTING AND RESPONSE CALL FLOW



### Prepared by:

Sgd.

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### Approved by:

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Provincial Administrator  
Concurrent Chief of Staff, Office of the Governor

# ***Section VIII. Checklist of Technical and Financial Documents***

## **I. TECHNICAL COMPONENT ENVELOPE**

### ***Class “A” Documents***

#### ***Legal Documents***

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);  
**And**
- (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document,  
**And**
- (c) Mayor’s or 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;  
**And**
- (d) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

#### ***Technical Documents***

- (f) 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; **and**
- (g) 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**
- (h) 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**
- (i) Conformity with the Technical Specifications,  
(j) Production/delivery schedule  
(k) Manpower requirements  
(l) After-sales/parts warranty  
(m) Unamended Sales Literature
- (n) Original duly signed Omnibus Sworn Statement (OSS);  
**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 to its officer to sign the OSS and do acts to represent the Bidder.

#### ***Financial Documents***

- (o) The Supplier’s audited financial statements, showing, among others, the Supplier’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; **and**
- (p) The prospective bidder’s computation of Net Financial Contracting Capacity (NFCC);  
**or**

A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

***Class "B" Documents***

- (q) 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.

***Other documentary requirements under RA No. 9184 (as applicable)***

- (r) *[For foreign bidders claiming by reason of their country's extension of 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.
- (s) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

**25 FINANCIAL COMPONENT ENVELOPE**

- (a) Original of duly signed and accomplished Financial Bid Form; **and**
- (b) Original of duly signed and accomplished Price Schedule(s).

