

SUPPLEMENTAL/BID BULLETIN NO. 1
For LBP-HOBAC-ITB-GS-20190724-01(2)

PROJECT : **One (1) Lot Supply, Delivery and Installation of Three (3) Units Earthquake Recording Instrument at LANDBANK Plaza Building**

IMPLEMENTOR : **Procurement Department**

DATE : **December 2, 2019**

This Supplemental/Bid Bulletin is issued to modify, amend and/or clarify certain items in the Bid Documents. This shall form an integral part of the Bid Documents.

Modifications, amendments and/or clarifications:

- 1) The site inspection is scheduled on **December 6, 2019, 10:00 A.M.** at 25th Floor, Facilities Management Department (FMD), LANDBANK Plaza Building, Malate, Manila. Prospective bidders shall coordinate with Mr. Jerick Perez of FMD at telephone number (02) 8522-0000 local 2323 as regards the conduct of site inspection.
- 2) The Terms of Reference (Annex A), Section VII (Specifications) and Checklist of the Bidding Documents (Item No. 8 of the Eligibility and Technical Components) have been revised. Please see attached revised Annexes A-1 to A-6 and the specified sections of the Bidding Documents.



ROSEMARIE S.J. MIRANDO
Officer-In-Charge
Procurement Department

Specifications

Specification	Statement of Compliance
	<p>Bidders must state below either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered.</p> <p>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 Bidders 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 provisions of ITB Clause 3.1(a)(ii) and/or GCC Clause 2.1(a)(ii)</p>
<p>One (1) Lot Supply, Delivery and Installation of Three (3) Units Earthquake Recording Instrument at LANDBANK Plaza Building</p> <ul style="list-style-type: none"> • Scope of the project and other requirements per attached Revised Terms of Reference– Annexes A-1 to A-6 & B-1 to B-9. • For current and past suppliers of earthquake recording instrument for LANDBANK, they must have no delay in the implementation of their ongoing contracts as of the date of opening of bids and must have satisfactory performance in their completed contracts starting November 2014 onwards. • The following documents shall be submitted inside the First Envelope: 	<p>Please state here either “Comply” or “Not Comply”</p>

a) Copy of purchase orders, contracts or other equivalent documents covering a two (2) year period prior to bidding schedule as proof that the bidder has a minimum active experience of two (2) years in the field of earthquake recording instrumentation for buildings.

b) Certificate of Satisfactory Performance/No Delayed Projects issued by the Head, Facilities Management Department not earlier than 30 calendar days prior to the deadline of submission of bid (applicable only for current and past suppliers of earthquake instrument for LANDBANK). The Certificate shall still be subject to verification during the post-qualification bid.

Note: Certificate of Satisfactory Performance/No Delayed Projects shall be requested in writing to Mr. Ramil P. Remillano of FMD at 25th Floor, LANDBANK Plaza Building (Contact No. : 8522-0000 loc. 7360) at least five (5) working days prior to the submission of bid.

c) List of at least two (2) various clients (with contact persons, numbers and addresses) with whom the bidder has previously completed projects/contracts for the last two (2) years supported with Certificates of Satisfactory Performance issued by the said clients.

d) Certificate of Inspection issued by the Head, Facilities Management Department.

e) Certificate of Employment and Valid Professional Regulation Commission (PRC) license for Registered Electrical Engineer, Certificate of Construction Safety and Health (COSH) Training for Safety Officer, National Certificate (NC) II TESDA Certificate for the Technicians, and Certificate of accreditation issued by PRC or Association of Structural Engineers of the Philippines for Structural Engineer.

Conforme:

Name of Bidder

Signature Over Printed Name of
Authorized Representative

Position

Checklist of Bidding Documents for Procurement of Goods and Services

Documents should be arranged as per this Checklist. Kindly provide folders or guides, dividers and ear tags with appropriate labels.

First Envelope - Eligibility and Technical Components

- **The First Envelope shall contain the following:**

- **Eligibility Documents – Class “A”**

Legal Eligibility Documents

1. PhilGEPS Certificate of Registration under Platinum Membership (all documents enumerated in its Annex A must be updated); or all of the following:
 - Registration Certificate from SEC, Department of Trade and Industry (DTI) for sole proprietorship, or CDA for cooperatives, or any proof of such registration as stated in the Bidding Documents;
 - Valid and current mayor's/business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or equivalent document for Exclusive Economic Zones or Areas; and
 - Tax Clearance per Executive Order 398, Series of 2005, as finally reviewed and approved by the BIR.

Technical Eligibility Documents

2. Duly notarized Omnibus Sworn Statement (sample form - Form No.6)
3. Duly notarized Secretary's Certificate attesting that the signatory is the duly authorized representative of the prospective bidder, and granted full power and authority to do, execute and perform any and all acts necessary and/or to represent the prospective bidder in the bidding, if the prospective bidder is a corporation, partnership, cooperative, or joint venture (sample form - Form No. 7).
4. 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, within the last five (5) years from the date of submission and receipt of bids. The statement shall include all information required in the sample form (Form No. 3).
5. Statement of the prospective bidder identifying its single largest completed contract similar to the contract to be bid, equivalent to at

least fifty percent (50%) of the ABC supported with contract/purchase order, end-user's acceptance or official receipt(s) issued for the contract, within the relevant period as provided in the Bidding Documents. The statement shall include all information required in the sample form (Form No. 4).

6. Bid security in the prescribed form, amount and validity period (ITB Clause 18.1 of the Bid Data Sheet).
7. Section VI - Schedule of Requirements with signature of bidder's authorized representative.
8. **Revised Section VII - Specifications with response on compliance and signature of bidder's authorized representative.**

Financial Eligibility Documents

9. The prospective bidder's audited financial statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission.
10. The prospective bidder's computation for its Net Financial Contracting Capacity (NFCC) following the sample form (Form No. 5), or in the case of Procurement of Goods, a committed Line of Credit from a Universal or Commercial Bank.

o **Eligibility Documents – Class "B"**

11. Valid joint venture agreement (JVA), in case the joint venture is already in existence. In the absence of a JVA, 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 shall be included in the bid. Failure to enter into a joint venture in the event of a contract award shall be ground for the forfeiture of the bid security. Each partner of the joint venture shall submit its legal eligibility documents. The submission of technical and financial eligibility documents by any of the joint venture partners constitutes compliance, provided, that the partner responsible to submit the NFCC shall likewise submit the statement of all its ongoing contracts and Audited Financial Statements.

o **Technical Documents**

12. Copy of purchase orders, contracts or other equivalent documents covering a two (2) year period prior to bidding schedule as proof that the bidder has a minimum active experience of two (2) years in the field of earthquake recording instrumentation for buildings.
13. Certificate of Satisfactory Performance/No Delayed Projects issued by the Head, Facilities Management Department not earlier than 30 calendar days prior to the deadline of submission of bid (applicable

only for current and past suppliers of earthquake instrument for LANDBANK). The Certificate shall still be subject to verification during the post-qualification bid.

Note: Certificate of Satisfactory Performance/No Delayed Projects shall be requested in writing to Mr. Ramil P. Remillano of FMD at 25th Floor, LANDBANK Plaza Building (Contact No. : 8522-0000 loc. 7360) at least five (5) working days prior to the submission of bid.

14. List of at least two (2) various clients (with contact persons, numbers and addresses) with whom the bidder has previously completed projects/contracts for the last two (2) years supported with Certificates of Satisfactory Performance issued by the said clients.
 15. Certificate of Inspection issued by the Head, Facilities Management Department.
 16. Certificate of Employment and Valid Professional Regulation Commission (PRC) license for Registered Electrical Engineer, Certificate of Construction Safety and Health (COSH) Training for Safety Officer, National Certificate (NC) II TESDA Certificate for the Technicians and Certificate of accreditation issued by PRC or Association of Structural Engineers of the Philippines for Structural Engineer.
- **Post-Qualification Documents – [The bidder may submit the following documents within five (5) calendar days after receipt of Notice of Post-Qualification]:**
17. Business Tax Returns per Revenue Regulations 3-2005 (BIR No.2550 Q) VAT or Percentage Tax Returns for the last two (2) quarters filed manually or through EFPS.
 18. Income Tax Return for 2018 filed manually or through EFPS.

Second Envelope – Financial Component

- **The Second Envelope shall contain the following:**
 1. Duly filled out Bid Form signed by the bidder's authorized representative (sample form - Form No.1)
 2. Duly filled out Schedule of Prices signed by the bidder's authorized representative (sample form - Form No.2)
 3. Duly filled out Annex C.

TERMS OF REFERENCE**I. Project Description :**

One (1) lot – Supply, Delivery and Installation (SDI), with transfer of technology, testing and commissioning, of **THREE (3) UNITS EARTHQUAKE RECORDING INSTRUMENT (ERI)** for the LANDBANK Plaza building, including the provision of technical supervision, labor, materials, tools and equipment.

II. Objectives :

1. To serve as additional safety monitoring device for LANDBANK Plaza building.
2. To comply with the requirements of Office of the Building Official (OBO) – Manila prior to issuance of Certificate of Annual Building Inspection as mandated in the National Building Code Development Office (NBCDO) Memorandum Circular No. 1, series of 2015 of the Department of Public Works and Highways (DPWH).

III. Project Details :**1. Equipment and Ancillary Device :**

Description	Quantity
Accelerograph with Accelerometer	3
<u>32GB Memory Card (Minimum)</u>	3
Time Server : Network Time Protocol (NTP) Server	1
12V DC Power Supply with Back-up battery (48 hours capacity)	3
Earthquake Monitoring Station – PC equipped with basic software and UPS	1
Alarm Announcement System	1
Ethernet and Cabling	1 lot
Alarm Cabling to BMS Room	1 lot
Cabinets and Conduits (as deemed necessary)	1 lot

2. Equipment Standard Specifications :

Must conform to the minimum standard specifications stated in the GUIDELINES AND IMPLEMENTING RULES ON EARTHQUAKE RECORDING INSTRUMENTATIONS FOR BUILDINGS as mandated by NBCDO Memorandum Circular 01, Series of 2015 of DPWH (copy attached)

- a. The following are the minimum specifications for Earthquake Recording Instrument (ERI) to be used for buildings:
 - a.1 Accelerograph
 - Seismic qualified as tested by recognized international testing laboratory
 - Stores seismic activity information as gathered by the attached accelerometer
 - Equipped with fault detection
 - Provides real-time alarm information (either audio, visual or both) during an earthquake event

- Equipped with internal battery back-up power to ensure continuous operation during power fluctuation
 - Where applicable, it may include:
 - Minimum design life: 10 years and should be demonstrated and certified to have a 40,000-hour (minimum) mean time between failures
 - Minimum of three components (vertical, longitudinal and transverse)
 - Natural Frequency: Above 50Hz
 - Damping: Approximately 60 – 70 percent critical
 - Sensitivity: 2g up to 6g
 - Bandwidth: DC to 100Hz
 - Environment: IP67
- a.2 Recording
- Sampling Frequency: Minimum of 100 samples per second
 - Time: From at least 20 seconds before the ground shaking begins until 30 seconds after the last triggering level motion
 - RMS Noise: System noise shall be less than 40ug measured over 0-30Hz
 - Media: Memory Card
 - Continuous Recording: Capable of continuous recording
 - AD Converter: 16' bits
- a.3 Timing
- Interval: Half a second or less
 - Accuracy: Plus or minus 0.2 second per 100 seconds
 - Type: GPS or NTP server
- a.4 Triggering (As applicable)
- Method: Pendulum or other device using earthquake motion as an exciting force
 - Level: Accelerograph, 0.5 to 100 gals nominal velocitimeter: 5um/s to 1mm/s
 - Time: Full operation of accelerograph/Velocity in not over 0.1 second after activation
- a.5 Power
- Battery maintained by charger
- a.6 Communication
- Ethernet: 10 base-T or 100 base-TX
 - Protocol: TCP/IP FTP/SFTP
- b. Records. To maintain continuous recording of data, a media for recording must be used at all times
- c. Battery Inspection. The accelerograph shall be tested with any charge device disconnected from an electric power source

3. System Description :

- a. The system must be 100% compliant to the minimum requirements stated in National Structural Code of the Philippines (NSCP) particularly Section 105.2 and to Guidelines and Implementing Rules on Earthquake Recording Instrumentations for Buildings as mandated by NBCDO Memorandum Circular 01, series of 2015 of DPWH.
- b. The Accelerograph shall provide the following minimum data/features :
- Peak Ground Acceleration
 - Peak Ground Velocity

- PHIVOLCS Earthquake Intensity Scale (PEIS) or Modified Mercalli Scale (MMS)
- Earthquake Sensitivity of 2g up to 6g
- Continuous Recording
- Real-Time Alarms
- Automated upload of earthquake data to server
- Data for direct processing of Structural Software
- Time based on Global Positioning System (GPS) or Network Time Protocol (NTP)
- Instrument Design Life - 10 years (minimum)

4. Scope of the Project:

- a. Conduct survey/ocular inspection to verify actual site condition for the needed details required in the implementation of the project.
- b. Mobilization and Board-up/security of every work area for safety.
- c. Installations:
 - c.1 Three (3) units ERI / Accelerographs per manufacturer's standard complete with cabinet/enclosure and mounting frames for XYZ Grid - one set each for the Basement, 17th and 34th Floors of the LANDBANK Plaza Building.
 - c.2 Dedicated Electrical Power Supply – Basement, 17th and 34th Floors.
 - c.3 Ethernet and Alarm Cables including required standard conduits from Basement, 17th and 34th Floor to 3rd Floor BMS Room
 - c.4 The proposed location for the actual installation of ERI shall be prepared, recommended and supervised by the supplier's Structural Engineer and to be verified and confirmed by OBO-Manila.
- d. Marking and tagging of all installations
- e. Installation and set-up of Earthquake Recording Instrumentation (ERI) Station at BMS Room
- f. Complete ERI System interface to LANDBANK Plaza BMS
- g. Alarm Programming
- h. Comprehensive Testing
- i. Conduct on-site training/transfer of technology to authorized FMD Personnel/Technicians, including but not limited to the following:
 - i.1 System Operation
 - i.2 Data transmission
 - i.3 Instrument calibration
 - i.4 Alarm Programming
- j. Final Joint Inspection and Acceptance Testing including calibration and commissioning of fully integrated "Earthquake Recording Instrumentation System" to ensure that the system are properly in operational condition and comply with the requirements of the Guidelines and Implementing Rules on ERI.
- k. As-built plan for the actual lay-out/location of newly installed ERI.
- l. Full assistance in the processing/securing of Certificate of Installation of Earthquake Recording Instrumentation/Certificate of Annual Building Inspection from the Office of the Building Official – Manila for LANDBANK Plaza Building.
- m. To coordinate with DPWH Central Office or Data Center designated by DPWH for the Data Storage
- n. Demobilization.

5. Warranty:

- a. Two (2) years **Warranty** on installed instruments and devices, workmanship and supplied materials.

6. Support and Maintenance to be performed by the Supplier:

- a. Provide **Guarantee** that the system shall have a maintenance period of at least **ten (10) years** with a maximum service interval of **one (1) year** including calibration and testing to ensure that the integrated system of ERI are in proper operational efficiency.
- b. The supplied ERIs' shall be equipped with fault detection and alarm system and be integrated together to function in unison that any failure of operation shall not hinder the progress of the entire building seismic monitoring system.
- c. The supplied ERI equipment obsolescence shall not hinder the proper continuous operation throughout the ten (10) year guaranteed duration.
- d. A service unit as temporary replacement to continue the collection of data must be supplied in the event when the supplier finds that any or all of the equipment must be removed from the building for repair.

e. Contract Period :

Sixty (60) calendar days to commence upon issuance of Notice to Proceed.

f. Submittals :

Particulars	Description	Submission Date
Contractor's All Risk Insurance (CARI) policy certificate	Full CARI coverage for the entire duration of the project.	Upon issuance of Notice to Proceed and before actual implementation of project.
Detailed working plans and layout / diagram	Copies of plans and layout must be in blue print – subject to final approval of FMD.	Prior to actual implementation of the project.
Clearances/Permits	Clearances/permits as may be required by Government Agencies relative to the project	- do -
Personnel and Equipment List	List of personnel assigned for the project implementation and electrically-operated tools/equipment with corresponding power rating	- do -
Comprehensive Test Result	Report on the result of the comprehensive testing conducted on the fully integrated "Earthquake Recording Instrumentation System"	Upon completion of the project
As-Built Plan / layout diagram	Duly signed and sealed as-built plan/layout diagram of the entire system	- do -
Warranty Certificate	Two (2) years warranty certification to commence upon turn-over and acceptance of the project	Upon project turn-over and acceptance

Operation and Maintenance Manual	System Operation and Maintenance Manual	- do -
Comprehensive Preventive Maintenance Program	Pro-forma template for the conduct and implementation of Comprehensive Preventive Maintenance Program	- do -
Support and Maintenance	Guarantee Certificate that the supplier shall provide maintenance service for the period of ten (10) years	- do -

g. Estimated Project Cost:

Particulars	Quantity	Unit Cost	Amount
Complete scope/package for the supply, delivery and installation (SDI) of earthquake recording instruments	1 lot		
Contractor's All Risk Insurance (CARI)	1 lot		
Sub Total			
12% VAT			
Total Project Cost			

IV. Supplier Qualification Requirements:

Qualification	Documentary Requirements
1. Must be a duly registered supplier/ service contractor of Earthquake Recording Instrumentation for buildings with a minimum active experience of two (2) years prior to bidding schedule.	<ul style="list-style-type: none"> • Certificate of Business Registration (SEC or DTI, etc.) • Purchase Orders, Contracts or equivalent documents covering a two-year period prior to bidding schedule (with at least 1-completed project per year).
2. Must be satisfactorily rated by at least two (2) previous clients/customers.	<ul style="list-style-type: none"> • Two (2) Certificates of Satisfactory Performance
3. Must conduct pre-inspection, verification and overall project assessment.	<ul style="list-style-type: none"> • Certificate of Inspection issued by LANDBANK-FMD.
4. Must be employing the following personnel for the undertaking and implementation of the project: <ul style="list-style-type: none"> • Certified Structural Engineer 	Certificates of employment and : <ul style="list-style-type: none"> • Certificate of accreditation issued by PRC as Structural Engineer or Association of Structural Engineers of the Philippines

<ul style="list-style-type: none">• Registered Electrical Engineer• Safety Officer• Technicians	<ul style="list-style-type: none">• PRC License• COSH Training Certificate• NC II TESDA Certificate
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V. Manner of Payment:

1. All payments shall be subject to LANDBANK's standard accounting and auditing rules and regulations.
2. All payments shall be processed after the project is turned-over to and accepted by FMD.

VI. Other Terms and Conditions:

1. The contractor/supplier/service provider shall:
 - a. Coordinate with FMD for schedules and project briefing. Work authorization permit must be secured from FMD prior to any mobilization. Work schedule is from 8:00 AM to 5:00PM daily from Monday to Sunday, provided it will not cause any disruption in the operation of the Bank.
 - b. Provide its workers with the required personal protective equipment (PPE) and appropriate tools in the implementation of the project in compliance with the Environmental Management System (EMS) Program of the Bank in accordance with the requirement of ISO 14000.
 - c. Be liable and solely responsible for any harm, damage and injury that may be incurred or suffered by its own crew/workers or any other person in the implementation of the project and to any damage to the Bank's property arising from the acts whether partial, contributory or due entirely to the fault, negligence and/or dishonesty of its workers in the course of their duties.
 - d. Maintain cleanliness at all times. It shall be responsible for the collection and proper disposal - outside of the Bank premises, of all waste materials resulting from any activity related to the implementation of the project, in compliance with the Bank's Environmental Management System (EMS) Program and the requirements of the covering policies, rules and regulations of the Department of Environment and Natural Resources (DENR) and the Environmental Management Bureau (EMB).
 - e. Be bounded by and shall strictly observe the Bank's existing rules and regulations with regards to the standard security policies and procedures while in the premises.

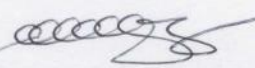
VI. Contacts Persons:

For further information, you may get in touch with any of the undersigned at Tel Nos.(02) 522-000 locals 2323, 2196 and 8442.

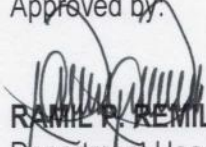
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