



SUPPLEMENTAL/BID BULLETIN NO. 2
For LBP-HOBAC-ITB-GS-20200605-03

PROJECT : **Data Center Infrastructure Management System with Three (3) Years Support and Maintenance**

IMPLEMENTOR : **Procurement Department**

DATE : **November 27, 2020**

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 prospective bidder/s who will participate in the bidding for the above project are encouraged to use the Bid Securing Declaration as Bid Security.
- 2) Terms of Reference (Annex C), Item Nos. 5, 6, 7, 8 & 9 of the Invitation to Bid, ITB Clauses 9.1, 20, 21, 23, 24 & 29.2 of the Bid Data Sheet (Section III), Specifications (Section VII), and Checklist of the Bidding Documents (Item Nos. 8 & 12 of the Eligibility and Technical Components) have been revised. Please see attached revised Annexes B-1 to B-8, C-1 to C-13, and specific sections of the Bidding Documents.
- 3) The deadline for the submission of electronic bids for the above project is re-scheduled on **December 4, 2020** at **10:00 A.M.** Submission of physical bids (hard copy) shall **not** be accepted.


ALWIN I. REYES
Assistant Vice President
Head, Procurement Department and
HOBAC Secretariat



Land Bank of the Philippines

Invitation to Bid For

Data Center Infrastructure Management System with Three (3) Years Support and Maintenance

1. The LAND BANK OF THE PHILIPPINES (LANDBANK), through its Corporate Budget for the contract approved by the Board of Directors for 2019 intends to apply the total sum of Eight Million Nine Hundred Thousand Pesos Only (P8,900,000.00) being the Approved Budget for the Contract to payments under the contract for the Data Center Infrastructure Management System with Three (3) Years Support and Maintenance/ITB No. LBP-HOBAC-ITB-GS-20200605-03. Bids received in excess of the above ABC shall be automatically rejected at bid opening.
2. The LANDBANK now invites bids for the Data Center Infrastructure Management System with Three (3) Years Support and Maintenance. Delivery period is indicated in Section VI, Schedule of Requirements. Bidders should have completed, within the last five (5) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act".

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to R.A. 5183.

4. Interested bidders may obtain further information from LANDBANK and inspect the Bidding Documents at the address given below during banking days from 8:00 A.M. to 5:00 P.M.:

Procurement Department
Land Bank of the Philippines
25th Floor LANDBANK Plaza Building
1598 M.H. Del Pilar cor. Dr. J. Quintos Sts.
1004 Malate, Manila
lbphobac@mail.landbank.com

5. A complete set of Bidding Documents may be acquired by interested Bidders on **October 6 to December 4, 2020** from the address indicated above and upon payment of the cost of Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Four Thousand Five Hundred Pesos Only (P4,500.00).

To obtain a PAO, interested Bidders shall send a request email to lbphobac@mail.landbank.com with subject "PAO - LBP-HOBAC-ITB-GS-20200605-03" as its subject. The specific instructions on how to pay the Bidding Documents Fee and receive the Bidding Documents shall be provided in the reply email of LANDBANK to the interested Bidders.

The Bidding Documents may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the LANDBANK website provided that Bidders shall pay the corresponding cost of Bidding Documents not later than the submission of their bids.

6. The LANDBANK will hold a Pre-Bid Conference on **November 6, 2020 – 10:20 A.M.** through videoconferencing using Microsoft (MS) Teams Application.

Bidders who would like to participate in the said conference must send a duly filled-up Pre-Bid Conference Registration (PBCR) Form (attached as Annex A) to lbphobac@mail.landbank.com on or before **12:00 P.M. of November 5, 2020**. The PBCR Form can also be downloaded at the PhilGEPS website, LANDBANK website (<https://landbank.com/forms>), or requested from Ms. JERAMAE T. FABELLA at JFABELLA@mail.landbank.com and jamfabella@gmail.com. Bidders shall quote "PBCR-ITB-GS-20200605-03" as the email's subject.

Bidders who have registered for the videoconferencing shall be provided with an e-mail invitation containing a link that would enable them to access the designated Microsoft Teams channel for the detailed procedures in the conduct of Pre-Bid Conference through videoconferencing, post messages therein and join the online meeting.

For new bidders, a briefing through video conferencing on salient provisions of the 2016 Revised Implementing Rules and Regulations of R.A. 9184 and pointers in the preparation of bid proposals will be conducted on **November 5, 2020 – 2:00 P.M.** through video conferencing using MS Teams application.

7. All bids shall be submitted electronically on or before the 10:00 A.M. deadline on **December 4, 2020**. Only electronic bids that are successfully uploaded to the Secure File Transfer Facility of LANDBANK on or before the deadline shall be accepted. Submission of physical bid (hard copy) shall not be accepted. The procedures that will be followed in the submission and opening of electronic bids are described in the Detailed Procedures in Submission and Opening of Electronic Bids per attached **Revised Annexes B-1 to B-8**.

8. **All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 18.1**
9. **Bid opening shall be on December 4, 2020 through videoconferencing using Microsoft (MS) Teams application. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.**
10. The LANDBANK reserves the right to (a) reject any and all bids at any time prior to the award of the contract; (b) waive any minor formal requirements in the bid documents; (c) accept such bids it may consider to be advantageous and beneficial to the Bank, without thereby incurring any liability to the affected bidder or bidders.
11. For further information, please refer to:

Mr. Alwin I. Reyes
Assistant Vice President
Head, Procurement Department
1598 M.H. Del Pilar cor. Dr. J. Quintos Sts.
1004 Malate, Manila
Tel. (+632) 8522-0000 or 8551-2200 local 7370
Fax (+632) 8528-8587
Email lbphobac@mail.landbank.com

(original signed)

ALEX A. LORAYES
Senior Vice President
Chairman, Bids and Awards Committee

Bid Data Sheet

ITB Clause	
1.1	<p>The Procuring Entity is LAND BANK OF THE PHILIPPINES (LANDBANK).</p> <p>The name of the Contract is Data Center Infrastructure Management System with Three (3) Years Support and Maintenance.</p> <p>The identification number of the Contract is LBP-HOBAC-ITB-GS-20200605-03.</p>
1.2	<p>The lot and references is:</p> <p>Data Center Infrastructure Management System with Three (3) Years Support and Maintenance.</p>
2	<p>The Funding Source is:</p> <p>The Government of the Philippines (GOP) through the Corporate Budget for the contract approved by the LANDBANK Board of Directors for 2019 in the total amount of Eight Million Nine Hundred Thousand Pesos Only (P8,900,000.00).</p> <p>The name of the Project is Data Center Infrastructure Management System with Three (3) Years Support and Maintenance.</p>
3.1	No further instructions.
5.1	Bidders should have no negative dealings with LANDBANK or its subsidiaries.
5.2	Foreign bidders, falling under ITB Clause 5.2 (b) and/or doing business in the Philippines may participate in this Project provided they meet the requirements under Section 23.4.1.2 of the Revised IRR of RA 9184.
5.4	<p>The Bidder must have completed, within the last five (5) years from the date of submission and receipt of bids, a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.</p> <p>For this purpose, similar contracts shall refer to contracts involving Information Technology hardware/software/maintenance services.</p> <p>Bidders must submit proof of their respective Single Largest Completed Contract. Proofs shall be:</p> <ul style="list-style-type: none"> • Copy of the contract or purchase order; or • Copy of official receipt/collection receipt or Certificate of Satisfactory Performance from bidder's client.
7	No further instructions.

8.1	Subcontracting is not allowed.
8.2	Not applicable.
9.1	<p>The LANDBANK will hold a Pre-Bid Conference on <u>November 6, 2020 – 10:20 A.M.</u> through videoconferencing using Microsoft (MS) Teams Application.</p> <p>Bidders who would like to participate in the said conference must send a duly filled-up Pre-Bid Conference Registration (PBCR) Form (attached as Annex A) to lbphobac@mail.landbank.com on or before <u>12:00 P.M.</u> of <u>November 5, 2020.</u> The PBCR Form can also be downloaded at the PhilGEPS website, LANDBANK website (https://landbank.com/forms), or requested from Ms. JERAMAE T. FABELLA at JFABELLA@mail.landbank.com and jamfabella@gmail.com. Bidders shall quote “PBCR-ITB-GS-20200605-03” as the email’s subject.</p> <p>Bidders who have registered for the videoconferencing shall be provided with an e-mail invitation containing a link that would enable them to access the designated Microsoft Teams channel for the detailed procedures in the conduct of Pre-Bid Conference through videoconferencing, post messages therein and join the online meeting.</p> <p>For new bidders, a briefing through video conferencing on salient provisions of the 2016 Revised Implementing Rules and Regulations of R.A. 9184 and pointers in the preparation of bid proposals will be conducted on <u>November 5, 2020 – 2:00 P.M.</u> through video conferencing using MS Teams application.</p>
10.1	<p>The Procuring Entity’s address is:</p> <p>Land Bank of the Philippines 25th Floor, LANDBANK Plaza Building 1598 M.H. Del Pilar corner Dr. J. Quintos Streets 1004 Malate, Manila www.landbank.com</p> <p>Contact person :</p> <p>Mr. Alwin I. Reyes Assistant Vice President Head, Procurement Department 1598 M.H. Del Pilar cor. Dr. J. Quintos Sts. 1004 Malate, Manila Tel. (+632) 8522-0000 or 8551-2200 local 7370 Fax (+632) 8528-8587 lbphobac@mail.landbank.com</p>
12.1(a)	Bidders may still submit their Class “A” Eligibility Documents required to be uploaded and maintained current and updated in the PhilGEPS pursuant to Section 8.5.2 of the same IRR, or if already registered in the PhilGEPS under Platinum category, their Certificate of Registration

	and Membership in lieu of their uploaded file of Class "A" Documents, or a combination thereof. In case the bidder opted to submit their Class "A" Documents, the Certificate of PhilGEPS Registration (Platinum Membership) shall remain as a post-qualification requirement to be submitted in accordance with Section 34.2 of the 2016 Revised IRR of RA 9184.				
12.1(a)(ii)	The statement of all ongoing government and private contracts (use Form No. 3) and Single Largest Completed Contract (use Form No. 4) similar to the contract to be bid shall include all such contracts within five (5) years prior to the deadline for the submission and receipt of bids.				
13.1	Bidders are required to use the Bid Form provided in Section VIII. Bid Form (use Form Nos.1 and 2).				
13.1(b)	No further instructions.				
13.1(c)	No further instructions.				
13.2	The Approved Budget for the Contract (ABC) is Eight Million Nine Hundred Thousand Pesos Only (P8,900,000.00). Any bid with a financial component exceeding this amount shall not be accepted.				
15.4(a)(iv)	Please refer to Clause 6.2 of the Special Conditions of the Contract for the incidental services required.				
15.4(b)	Please refer to Clause 6.2 of the Special Conditions of the Contract for the incidental services required. The price of the Goods shall be quoted DDP specified delivery site/s.				
16.1(b)	The Bid Prices for the Goods supplied from outside of the Philippines shall be quoted in Philippine Pesos.				
16.3	Not applicable.				
17.1	Bids will be valid until 120 calendar days from date of opening of bids.				
18.1	The bid security shall be limited to Bid Securing Declaration or any other form in accordance with the following minimum amount: <table border="1" data-bbox="497 1603 1394 1843"> <thead> <tr> <th>Form of Bid Security</th> <th>Minimum Amount of Bid Security</th> </tr> </thead> <tbody> <tr> <td>(a) Cash or cashier's/ manager's check issued by a Universal or Commercial Bank</td> <td>P178,000.00</td> </tr> </tbody> </table>	Form of Bid Security	Minimum Amount of Bid Security	(a) Cash or cashier's/ manager's check issued by a Universal or Commercial Bank	P178,000.00
Form of Bid Security	Minimum Amount of Bid Security				
(a) Cash or cashier's/ manager's check issued by a Universal or Commercial Bank	P178,000.00				

(b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank; Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank; and	
(c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	P445,000.00
<p>1. If bid security is in the form of cash, a bidder is required to secure an electronic Payment Acceptance Order (PAO) from LANDBANK Procurement Department. The electronic PAO shall then be printed and presented to the Teller at any of the LANDBANK Branches together with the corresponding cash. The LANDBANK Teller shall issue a machine validated Official Receipt (OR) evidencing payment of the bid security. A scanned copy of the Official Receipt shall be included in the Eligibility and Technical Proposal/Documents.</p> <p>2. If bid security is in the form of cashier's/manager's check, the check should be payable to LAND BANK OF THE PHILIPPINES. The physical check must be delivered to and received by LANDBANK-Procurement Department not later than the following banking day after the opening of bids.</p> <p>3. If in the form of bank draft/guarantee, the bidder may use the standard format of the issuing Bank, provided the ITB No. and Name of the Project are indicated.</p> <p>4. If in the form of Standby Letter of Credit, it may be secured through LANDBANK Corporate Banking Department 2 (CBD 2) and Small and Medium Enterprises – Market Lending Department 2 (SME-MLD 2) with the following contact details:</p> <p>(a) CBD 2 – 18th Floor, LANDBANK Plaza Building Telephone No. 8405-7345 local 2117 (For Assets 1 Billion and up)</p> <p>(b) SME-MLD 2 - 18th Floor, LANDBANK Plaza Building Telephone No. 8405-7431 local 7431 (For Assets below 1 Billion)</p> <p>5. If in the form of surety bond, it should be issued by a surety or insurance company duly accredited by the Insurance Commission (IC) and has not been issued a cease and desist order by the IC or is currently not included in the list of blacklisted firms.</p> <p>The surety bond may be secured through LANDBANK Insurance Brokerage, Inc. (LIBI) with the following contact details:</p>	

	<p>(a) LIBI-Forex 14th Floor, LANDBANK Plaza Building Telephone 8710-7114 (Every Tuesday and Thursday)</p> <p>(b) 12th Floor, SSHG Law Center Bldg. 105 Paseo de Roxas, Legaspi Village Makati City Telephones 8812-4911 and 8867-1064</p> <p>Surety bonds with the following or similar conditions/phrases shall not be accepted:</p> <p>(a) "In case of default by the Principal, this bond shall only answer for the difference in the bid price of the winning bidder and that of the next lowest complying bidder or that of the new winning bidder in case of re-bidding plus necessary expenses incurred by the Obligee in the re-bidding which liability shall in no case exceed the amount of the bond"; or</p> <p>(b) "That the amount of liability of the Surety under this bond is limited to the actual loss or damage sustained and duly proven by the Obligee."</p> <p>6. If in the form of Bid Securing Declaration, the attached form (Form No. 8) must be used.</p>
<p>18.2</p>	<p>The bid security shall be valid until 120 calendar days from date of opening bids.</p>
<p>20</p>	<p>The electronic bid shall consist of two identical copies of archived/compressed files (Copy 1 and Copy 2). The archived/compressed files shall be labelled with bidder's assigned short name, last seven (7) digits of the bidding reference number including the parenthesis if there are any, and bid copy number, each separated with a dash sign. Thus, for a project with bidding reference number LBPHOBAC-ITB-GS-20200819-01(2) that XYZ Company wants to bid on, the archived/compressed files shall be labelled as XYZ-081901(2)-C1 (for Copy 1) and XYZ-081901(2)-C2 (for Copy 2). Copy 1 shall serve as the primary file while Copy 2 shall be the backup file. The archived/compressed files shall be generated using either WinZip, 7-zip or WinRAR and password-protected.</p> <p>The above mentioned archived/compressed files shall contain the Technical Component and Financial Component files in PDF format. These PDF files shall be labelled with bidder's assigned short name, last seven (7) digits of the bidding reference number including the parenthesis if there are any, and the word "Tech" or "Fin" in the case of the Technical Component and Financial Component, respectively, each separated with a dash sign. Thus, using the above example, the archived/compressed files XYZ-</p>

	<p>081901(2)-C1 and XYZ-081901(2)-C2 shall both contain the PDF files labelled XYZ-081901(2)-Tech and XYZ-081901(2)-Fin.</p> <p><u>All the required documents for each component of the bid shall be in one (1) PDF file and sequentially arranged as indicated in the Checklist of Bidding Documents.</u> The documents must be signed by the authorized signatory/ies when required in the form.</p> <p><u>The archived file and the PDF files shall be assigned with a different password</u> and these passwords shall be disclosed by the bidder only upon the instruction of HOBAC during the actual bid opening. The passwords for Copy 1 and Copy 2 shall be the same.</p> <p>Electronic bids that are not assembled, labelled and password-protected in accordance with these procedures shall not be rejected/disqualified but the Bidder or its duly authorized representative shall acknowledge such condition of the bid as submitted. The HOBAC/LANDBANK shall assume no responsibility for the non-opening or premature opening of the contents of the improperly assembled, labelled and password-protected electronic bid.</p>
21	<p>All bids shall be submitted electronically on or before the 10:00 A.M. deadline on <u>December 4, 2020</u>. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 18.1. Only electronic bids that are successfully uploaded to the Secure File Transfer Facility of LANDBANK on or before the deadline shall be accepted. The procedures that will be followed in the submission and opening of electronic bids are described in the Detailed Procedures in Submission and Opening of Electronic Bids per attached <u>Revised Annexes B-1 to B-7</u>. The electronic bid shall be submitted by uploading the same in the LBP SFTF (please refer to the Guide in Accessing LBP Secure File Transfer Facility per attached <u>Revised Annexes B-4 to B-7</u>).</p> <p><u>Electronic bids received after the set deadline basing on the date and time on the electronic folders of bidders shall not be accepted by the HOBAC.</u> Thus, bidders are requested to upload their electronic bids at least two (2) hours before the set deadline.</p> <p>The prospective bidder shall receive an acknowledgement receipt via email after successful uploading of its/his/her electronic bid. If no email is received within one (1) hour after successful uploading, the bidder shall call the HOBAC Secretariat at (02) 8522-0000 local 2609 to confirm whether the submission has been received, and if so, request for the acknowledgment of receipt of the electronic bid.</p>
23	<p>In case of modification of bid, a modified version of Copy 1 and Copy 2 of the bid (archived/compressed) files shall be uploaded to the SFTF. The qualifier "Mod" and a numeric counter indicating</p>

	<p>the number of times that the bid had been modified shall be added at the end of the filenames of both the archived and PDF files. Using again the earlier example, the sample labels and contents of the modified bid shall be as follows: a) First Modification: XYZ-081901(2)-C1-Mod1 and XYZ-081901(2)-C2-Mod1 containing XYZ-081901(2)-Tech-Mod1 and XYZ-081901(2)-Fin-Mod1, and b) Second Modification: XYZ-081901(2)-C1-Mod2 and XYZ-081901(2)-C2-Mod2, containing XYZ-081901(2)-Tech-Mod2 and XYZ-081901(2)-Fin-Mod2]. Only the latest modified bid shall be opened while the rest of the superseded bids will be rejected.</p>
24	<p>On the bid opening date, the bidder shall confirm its/his/her participation in the online meeting with the HOBAC Secretariat at least one (1) hour before the scheduled meeting. The bidder shall be able to log in into MS Teams and join the Waiting Room of the HOBAC meeting. A maximum of two (2) accounts/connections per participating interested bidder shall be allowed to join the meeting.</p> <p>Projects with participating bidders in attendance shall be given priority in the queuing.</p> <p>Upon the instruction of the HOBAC Chairperson to start the bid opening activity, the HOBAC Secretariat connects the participating bidder/s to the videoconferencing/group calling session. The HOBAC Secretariat shall record the session and act as Moderator of the meeting all throughout.</p> <p>In case a bidder cannot connect to the videoconferencing via MS Teams application, the HOBAC Secretariat shall contact the bidder concerned through its registered mobile phone/landline telephone up to a maximum of three (3) call attempts with five (5) minutes interval after each call attempt. A text message advising the bidder that the public bidding has already started will also be sent by the HOBAC Secretariat. If the HOBAC Secretariat still cannot contact the bidder after the said allowable call attempts or the bidder is unable to contact the HOBAC Secretariat to provide the passwords needed to open its electronic bids when required by the HOBAC, the bidder concerned shall be disqualified from further participating in the bidding process.</p> <p>Once the connections are in place, the HOBAC, with the assistance of the HOBAC Secretariat, retrieves the archived file from the LBP SFTF and opens the same. The Technical Proposal shall be opened first. Upon instruction from the HOBAC, the bidder concerned shall disclose the passwords for the archived file and the PDF file of the Technical Component.</p> <p>The HOBAC then determines the eligibility and compliance with the technical requirements of the specific bidder using a</p>

	<p>nondiscretionary “pass/fail” criterion. Only bidders that have been rated “Passed” shall be allowed to participate in the succeeding stages of the bidding process.</p> <p>The HOBAC, with the assistance of the HOBAC Secretariat, shall then open the Financial Components of those bidders that have been rated “Passed”. Upon instruction from the HOBAC, the bidder concerned shall disclose the password for its/his Financial Component.</p> <p>In case an archived/PDF file fails to open due to a wrong password, the specific bidder shall be allowed to provide the HOBAC with passwords up to five (5) times only. The same number of attempts shall apply to Copy 2 of the bid, in case there is a need to open it. If the archived/PDF file still could not be opened after the maximum allowable attempts or due to technical issues, the bidder concerned shall be disqualified from further participating in the bidding process. Thus, the bidders are encouraged to test their electronic bids and ensure that they are free from technical errors prior to uploading of the same to the SFTF.</p> <p>The HOBAC, with the assistance of the HOBAC Secretariat, conducts bid evaluation and ranking of the bids. The results of bid evaluation and ranking shall be recorded in the Abstract of Bids, which shall be signed by the HOBAC Members and Observers. The result of evaluation and ranking shall also be announced to the participants.</p> <p>The retrieval and opening of the electronic bids, page-by-page review of documents and the results of the bid evaluation and ranking shall be shown to the participants through the screen sharing feature of MS Teams.</p> <p>The access of the bidders to the videoconferencing/calling session shall be terminated once the Chairperson has declared that the bid opening activity for a specific project has been finished.</p>
24.2	No further instructions.
24.3	No further instructions.
27.1	No further instructions.
28.3(a)	The goods are grouped in a single lot and the lot shall not be divided further into sub-lots for the purpose of bidding, evaluation and contract award
28.4	No further instructions.

29.2	A certified true copy of Value Added Tax (VAT) or Percentage Tax (PT) Returns for the last two (2) quarters filed manually or through the BIR Electronic Filing and Payment System (EFPS) shall also be submitted. Only tax returns filed manually or through EFPS and taxes paid shall be accepted.
32.4(f)	No additional requirement.
33.2	If in the form of Standby Letter of Credit, it may be secured through LANDBANK Corporate Banking Department 2 (CBD 2) and Small and Medium Enterprises – Market Lending Department 2 (SME-MLD 2) with the following contact details: (a) CBD 2 – 18 th Floor, LANDBANK Plaza Building Telephone No. 405-7345 local 2117 (For Assets 1 Billion and up) (b) SME-MLD 2 - 18 th Floor, LANDBANK Plaza Building Telephone No. 405-7431 local 7431 (For Assets below 1 Billion)

Specifications

Specification	Statement of Compliance
<p>Data Center Infrastructure Management System with Three (3) Years Support and Maintenance</p> <p>For current and past suppliers of Data Center Infrastructure Management System for LANDBANK, they must have satisfactory performance in their dealings with LANDBANK for the past twelve (12) months (reckoned from the date of issuance of the Certificate of Satisfactory Performance).</p> <p>Minimum specifications and other requirements per attached Terms of Reference (Revised Annexes C-1 and C-13).</p>	<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>Please state here either “Comply” or “Not Comply”</p>

A. Documentary Requirements

The following documents/requirements shall be included in the Eligibility and Technical Component (PDF File):

- 1. Duly filled-out revised Terms of Reference signed in all pages by the authorized representative/s of the bidder.**
2. Curriculum vitae of at least two (2) local engineers with accomplished DCIM implementation [at least one (1) local or four (4) regional DCIM projects other than LANDBANK].
3. Letter of accreditation from the principal.
4. Certificate of Satisfactory Performance issued by the Head, Data Center Management Department (DCMD) not earlier than thirty (30) calendar days prior to the deadline of submission of bid (applicable only for current and past suppliers of Data Center Infrastructure Management System for LANDBANK). The Certificate shall still be subject to verification during post-qualification of bid.

Note: Certificate of Satisfactory Performance shall be requested in writing from Ms. Josie M. Castro of DCMD at 16th Floor, LANDBANK Plaza Building (Tel. No.: 8405-7027), at least five (5) working days prior to the submission of bid.

Non-submission of the above mentioned documents/requirements may result in bidder's disqualification.

Conforme:

Name of Bidder

Signature Over Printed Name of
Authorized Representative

Position

Checklist of Bidding Documents for Procurement of Goods and Services

The documents for each component should be arranged as per this Checklist. Kindly provide guides or dividers with appropriate labels:

Eligibility and Technical Component (PDF File)

- **The Eligibility and Technical Component shall contain documents sequentially arranged as follows:**
 - **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 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).
3. Duly notarized Omnibus Sworn Statement (sample form - Form No.6)
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.

○ **Technical Documents**

12. Duly filled-out revised Terms of Reference signed in all pages by the authorized representative/s of the bidder.

13. Curriculum vitae with accomplished DCIM implementation [at least one (1) local or four (4) regional DCIM projects other than LANDBANK] of at least two (2) local engineers.

14. Letter of accreditation from the principal.

15. Certificate of Satisfactory Performance issued by the Head, Data Center Management Department (DCMD) not earlier than thirty (30) calendar days prior to the deadline of submission of bid (applicable only for current and past suppliers of Data Center Infrastructure Management System for LANDBANK). The Certificate shall still be subject to verification during post-qualification of bid.

○ **Post-Qualification Documents – [The bidder may submit the following documents within five (5) calendar days after receipt of Notice of Post-Qualification]:**

16. 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.

17. Latest Income Tax Return filed manually or through EFPS.

Financial Component (PDF File)

• **The Financial Component shall contain documents sequentially arranged as follows:**

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 Bill of Quantities Form signed by the bidder's authorized representative (Annexes D-1 and D-2)

Procedures in Submission and Opening of Electronic Bid

1. Upon submission of a duly filled-up LBP Secure File Transfer Facility (LBP SFTF) User Registration Form together with copies of LANDBANK Official Receipt and Payment Acceptance Order for non-refundable bidding fee to the HOBAC Secretariat, the prospective bidder shall receive an email with log-in credentials to access the LBP SFTF.
2. The electronic bid shall consist of two identical copies of archived/compressed files (Copy 1 and Copy 2). The archived/compressed files shall be labelled with bidder's assigned short name, last seven (7) digits of the bidding reference number including the parenthesis if there are any, and bid copy number, each separated with a dash sign. Thus, for a project with bidding reference number LBPHOBAC-ITB-GS-20200819-01(2) that XYZ Company wants to bid on, the archived/compressed files shall be labelled as XYZ-081901(2)-C1 (for Copy 1) and XYZ-081901(2)-C2 (for Copy 2). Copy 1 shall serve as the primary file while Copy 2 shall be the backup file. The archived/compressed files shall be generated using either WinZip, 7-zip or WinRAR and password-protected.

The above mentioned archived/compressed files shall contain the Technical Component and Financial Component files in PDF format. These PDF files shall be labelled with bidder's assigned short name, last seven (7) digits of the bidding reference number including the parenthesis if there are any, and the word "Tech" or "Fin" in the case of the Technical Component and Financial Component, respectively, each separated with a dash sign. Thus, using the above example, the archived/compressed files XYZ-081901(2)-C1 and XYZ-081901(2)-C2 shall both contain the PDF files labelled XYZ-081901(2)-Tech and XYZ-081901(2)-Fin.

All the required documents for each component of the bid shall be in one (1) PDF file and sequentially arranged as indicated in the Checklist of Bidding Documents. The documents must be signed by the authorized signatory/ies when required in the form.

The archived file and the PDF files shall be assigned with a different password and these passwords shall be disclosed by the bidder only upon the instruction of HOBAC during the actual bid opening. The passwords for Copy 1 and Copy 2 shall be the same.

Electronic bids that are not assembled, labelled and password-protected in accordance with these procedures shall not be rejected/disqualified but the Bidder or its duly authorized representative shall acknowledge such condition of the bid as submitted. The HOBAC/LANDBANK shall assume no responsibility for the non-opening or premature opening of the contents of the improperly assembled, labelled and password-protected electronic bid.

In case of modification of bid, a modified version of Copy 1 and Copy 2 of the bid (archived/compressed) files shall be uploaded to the SFTF. The qualifier "Mod" and a numeric counter indicating the number of times that the bid had been modified shall be added at the end of the filenames of both the archived and PDF files. Using again the earlier example, the sample labels and contents of the modified bid shall be as follows: a) First Modification: XYZ-081901(2)-C1-Mod1 and XYZ-081901(2)-C2-Mod1 containing XYZ-

081901(2)-Tech-Mod1 and XYZ-081901(2)-Fin-Mod1, and b) Second Modification: XYZ-081901(2)-C1-Mod2 and XYZ-081901(2)-C2-Mod2, containing XYZ-081901(2)-Tech-Mod2 and XYZ-081901(2)-Fin-Mod2]. Only the latest modified bid shall be opened while the rest of the superseded bids will be rejected.

3. All bids shall be submitted electronically on or before the 10:00 A.M. deadline. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 14.1. Only electronic bids that are successfully uploaded to the Secure File Transfer Facility of LANDBANK on or before the deadline shall be accepted. The electronic bid shall be submitted by uploading the same in the LBP SFTF (please refer to the Guide in Accessing LBP Secure File Transfer Facility below).

Electronic bids received after the set deadline basing on the date and time on the electronic folders of bidders shall not be accepted by the HOBAC. Thus, bidders are requested to upload their electronic bids at least two (2) hours before the set deadline.

The prospective bidder shall receive an acknowledgement receipt via email after successful uploading of its/his/her electronic bid. If no email is received within one (1) hour after successful uploading, the bidder shall call the HOBAC Secretariat at (02) 8522-0000 local 2609 to confirm whether the submission has been received, and if so, request for the acknowledgment of receipt of the electronic bid.

4. On the bid opening date, the bidder shall confirm its/his/her participation in the online meeting with the HOBAC Secretariat at least one (1) hour before the scheduled meeting. The bidder shall be able to log in into MS Teams and join the Waiting Room of the HOBAC meeting. A maximum of two (2) accounts/connections per participating interested bidder shall be allowed to join the meetings.
5. Projects with participating bidders in attendance shall be given priority in the queuing.
6. Upon the instruction of the HOBAC Chairperson to start the bid opening activity, the HOBAC Secretariat connects the participating bidder/s to the videoconferencing/group calling session. The HOBAC Secretariat shall record the session and act as Moderator of the meeting all throughout.

In case a bidder cannot connect to the videoconferencing via MS Teams application, the HOBAC Secretariat shall contact the bidder concerned through its registered mobile phone/landline telephone up to a maximum of three (3) call attempts with five (5) minutes interval after each call attempt. A text message advising the bidder that the public bidding has already started will also be sent by the HOBAC Secretariat. If the HOBAC Secretariat still cannot contact the bidder after the said allowable call attempts or the bidder is unable to contact the HOBAC Secretariat to provide the passwords needed to open its electronic bids when required by the HOBAC, the bidder concerned shall be disqualified from further participating in the bidding process.

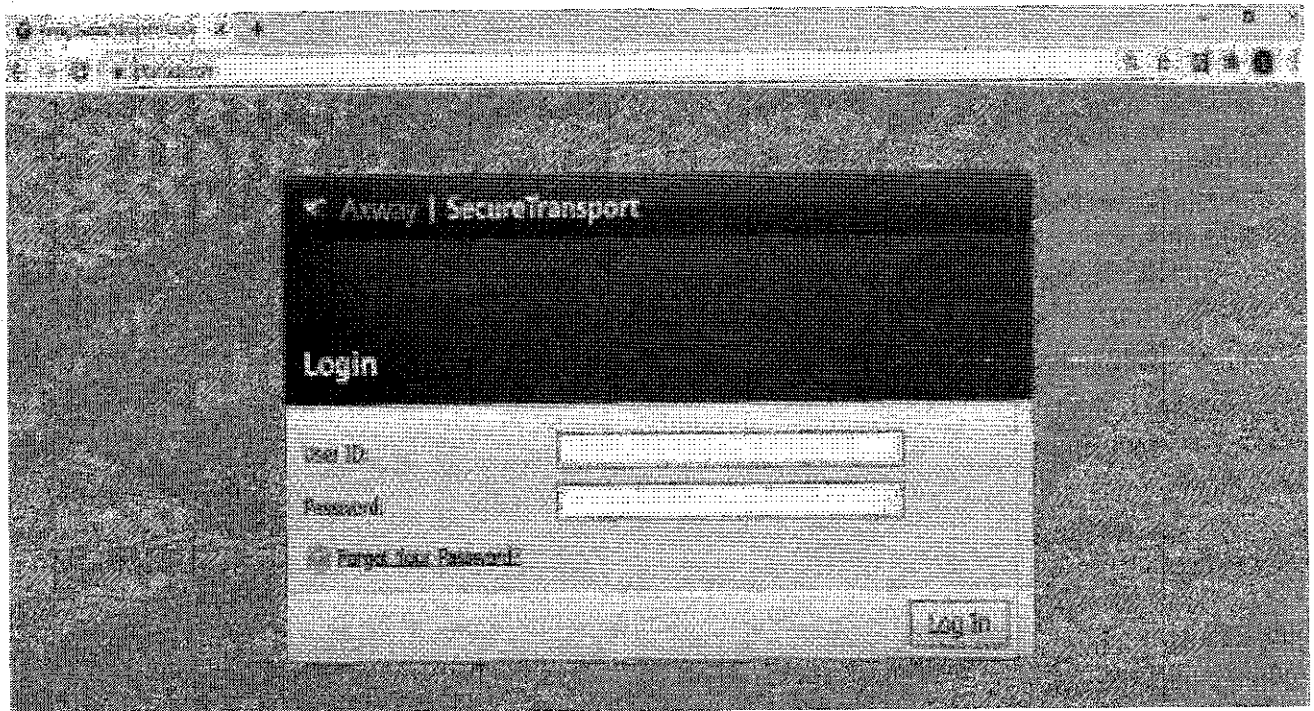
7. Once the connections are in place, the HOBAC, with the assistance of the HOBAC Secretariat, retrieves the archived file from the LBP SFTF and opens the same. The Technical Proposal shall be opened first. Upon instruction from the HOBAC, the bidder concerned shall disclose the passwords for the archived file and the PDF file of the Technical Component.
8. The HOBAC then determines the eligibility and compliance with the technical requirements of the specific bidder using a nondiscretionary "pass/fail" criterion. Only bidders that have been rated "Passed" shall be allowed to participate in the succeeding stages of the bidding process.
9. The HOBAC, with the assistance of the HOBAC Secretariat, shall then open the Financial Components of those bidders that have been rated "Passed". Upon instruction from the HOBAC, the bidder concerned shall disclose the password for its/his/her Financial Component.

In case an archived/PDF file fails to open due to a wrong password, the specific bidder shall be allowed to provide the HOBAC with passwords up to five (5) times only. The same number of attempts shall apply to Copy 2 of the bid, in case there is a need to open it. If the archived/PDF file still could not be opened after the maximum allowable attempts or due to technical issues, the bidder concerned shall be disqualified from further participating in the bidding process. Thus, the bidders are encouraged to test their electronic bids and ensure that they are free from technical errors prior to uploading of the same to the SFTF.

10. The HOBAC, with the assistance of the HOBAC Secretariat, conducts bid evaluation and ranking of the bids. The results of bid evaluation and ranking shall be recorded in the Abstract of Bids, which shall be signed by the HOBAC Members and Observers. The result of evaluation and ranking shall also be announced to the participants.
11. The retrieval and opening of the electronic bids, page-by-page review of documents and the results of the bid evaluation and ranking shall be shown to the participants through the screen sharing feature of MS Teams.
12. The access of the bidders to the videoconferencing/calling session shall be terminated once the Chairperson has declared that the bid opening activity for a specific project has been finished.
13. MS Teams Application shall be used in the conduct of online bidding through videoconferencing. In the event that it is not available, other videoconferencing/group calling applications may be used as an alternative in conducting the meeting.

Guide in Accessing LBP Secure File Transfer Facility

1. Open browser and type the url: <https://www.sftaccess.com>



2. Log-in with the credentials provided via email. (Note: Log-in credentials will be received upon submission of a duly filled-up LBP SFTF User Registration Form together with copies of LANDBANK Official Receipt and Payment Acceptance Order for non-refundable bidding fee)

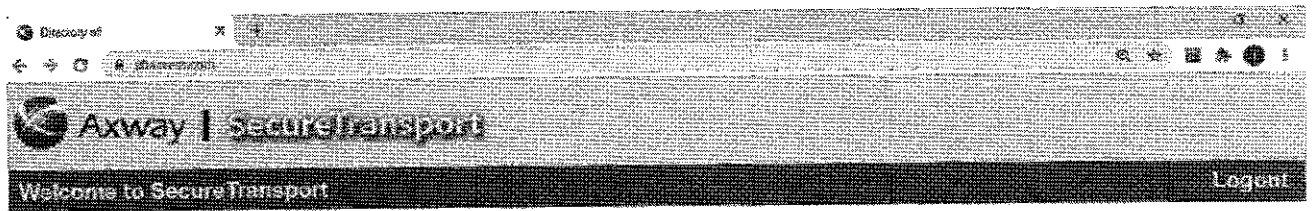
Username: [E-mail Address] e.g. bidder1@bidder.com

Password: [Landbank-provided password]

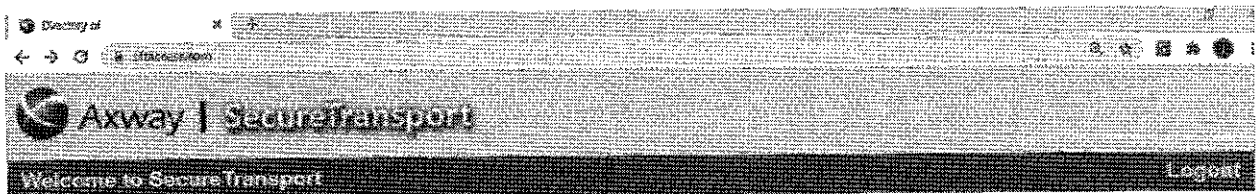
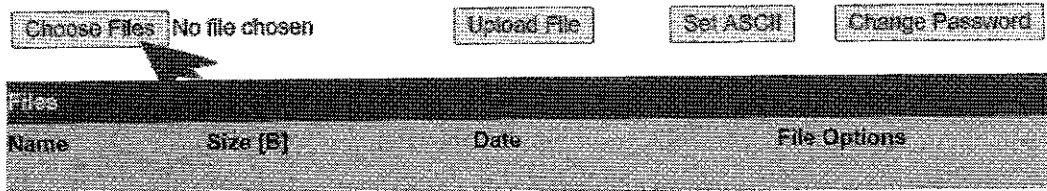
3. Upon successful login, click 'Choose Files' to upload file/s.

Notes:

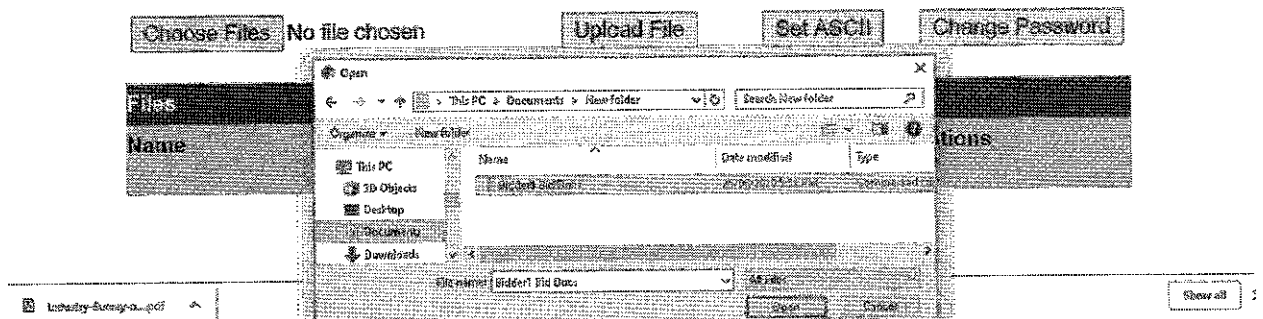
1. Files should be encrypted/password-protected.
2. Please follow the instructions in Item 2 of the above Procedures in Submission and Opening of Electronic Bids.



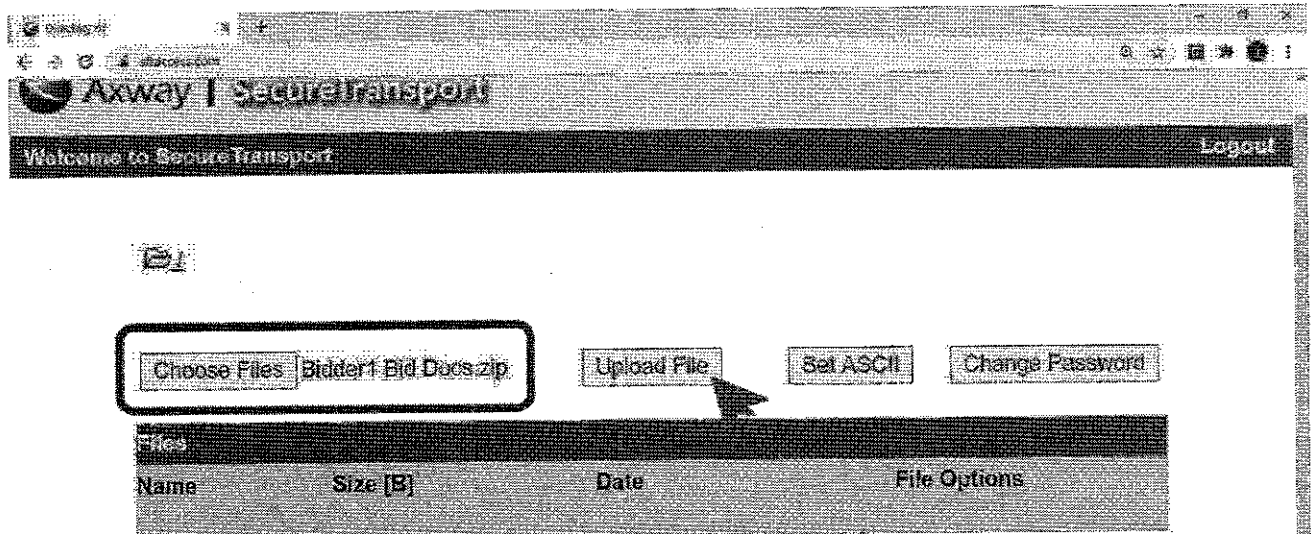
B1



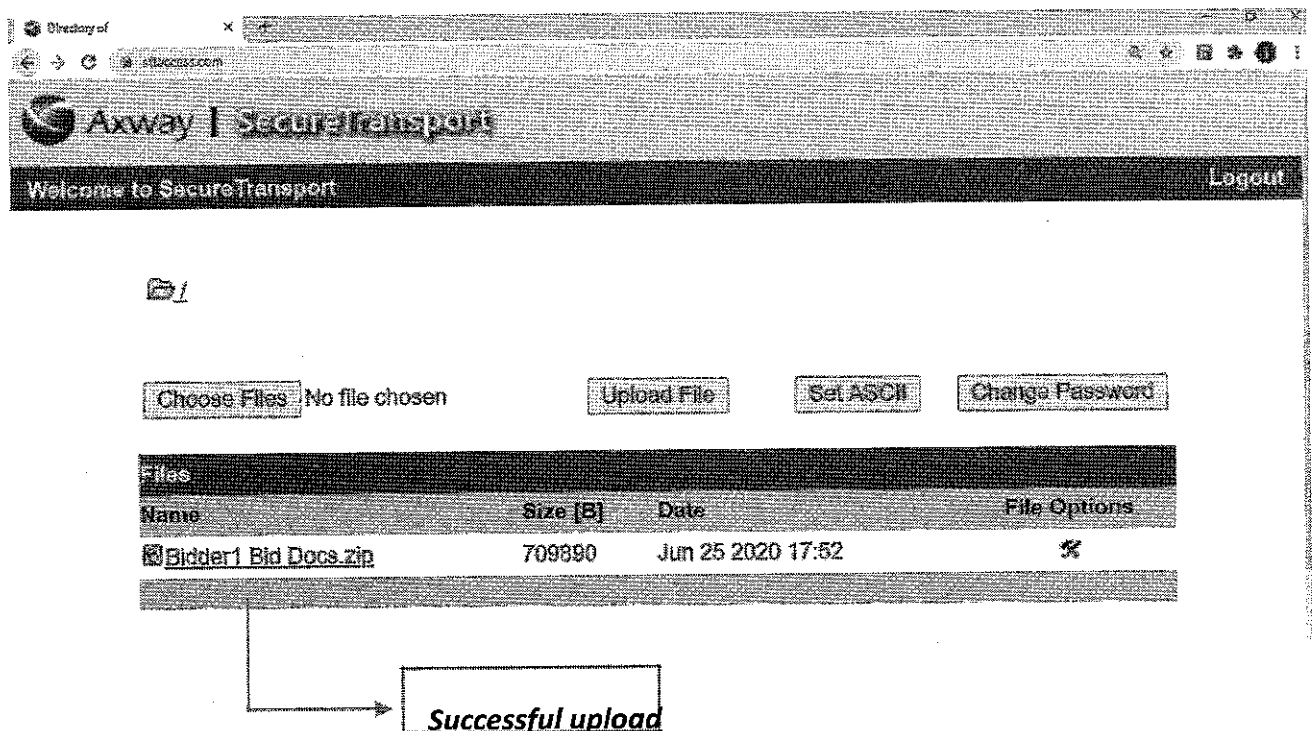
B1



4. Click 'Upload File' to upload the selected file/s.



5. Once a successful upload is completed, the files cannot be deleted anymore. The bidder will also receive a system-generated acknowledgement receipt in its registered e-mail address. A screenshot of the uploaded Bid/s should be taken by the bidder for record purposes.



Revised Annex B-6

No revisions as of November 5, 2020

File Repository of Bid Documents

All uploaded bid documents will be stored in the dedicated SFTF directory of a particular bidder and will be accessible by the assigned ProcD personnel.

Revised Annex B-7

No revisions as of November 5, 2020

LBP SECURE FILE TRANSFER FACILITY REGISTRATION FORM

Name of Participating Bidder/"Company"		
Complete Address of the Company:	Contact Number/s:	
AUTHORIZED LBP SECURE FILE TRANSFER USER/S:		
Name of Authorized Representative:	Official Email Address:	Contact Number/s:
TERMS AND CONDITIONS:		
The Company, through its Authorized User/s, shall:		
<ol style="list-style-type: none"> 1. Use LBP's Secure File Transfer Facility to securely transmit files to LBP Procurement Department only for the purpose of online submission of bidding documents. 2. Be responsible for the confidentiality of its assigned log-in credentials. (i.e. assigned user ID) 3. Only upload agreed upon file formats and shall not upload any file/s containing inappropriate content, material that violates or infringes in any manner on the intellectual or proprietary rights of others, and any malwares, software virus, "Trojan Horse" program, "worm" or other harmful or damaging software or software component. 4. Agree and ensure that the computing devices to be used for LBP's Secure File Transfer Facility have the updated anti-virus software and operating system security patches, as minimum requirements in order to establish connectivity, to maintain and ensure the security, integrity and availability of the LBP Secure File Transfer Facility. 5. Agree not to use a public wi-fi/hotspot such as but not limited to those offered in coffee shops, malls, restaurant or hotels to access into the LBP Secure File Transfer Facility. 6. Agree that LANDBANK may revoke, block, or permanently disallow the use of this facility without prior notice due to reasons that may compromise the Bank's security. 		
AGREEMENT:		
As an Authorized User, I hereby agree:		
<p>To the above terms and conditions Not to disclose any confidential information regarding the LBP Secure File Transfer Facility. To avoid using unauthorized users/computers to input credentials; and That unauthorized dissemination of information about the LBP Secure File transfer Facility shall be considered a security breach and is ground for the immediate termination of the account.</p>		
<hr style="width: 30%; margin-left: 0;"/> Authorized User (Signature over Printed Name)		

Please print N/A in blank spaces

Revised **Annex B-8**

LANDBANK <Data Center Infrastructure Management>

Instructions on responding to this Terms Of Reference (TOR) Document

- a. The vendor/bidder understands and agrees that the requirements specified in this document are deliverables for the proposed Data Center Infrastructure Management System.
- b. All deliverables, its specifications and functionalities, must be satisfied including its necessary prerequisites without additional cost to the Bank.
- c. The vendor/bidder must answer at the third column whether the proposed DCIM complies or not—answer must be **YES** or **NO**.
- d. The REMARKS column in the table is to be filled out according to the response in the third column:
 - d.1. If answer to the third column is YES: REMARKS column is to be filled out with the complete and specific reference to the supporting document included in the bidding document to support answer/claim.
 - d.2. If the answer to the third column is NO: REMARKS column is to be filled out with the justifications why the proposed DCIM cannot meet the specified requirement; include the complete and specific reference to the supporting document included in the bidding document to support answer/claim.
- e. The supporting documents, cited references to the TOR should be indexed or labeled accordingly for easy identification and validation.

CATEGORY	QTY	REQUIREMENT	WILL COMPLY? YES/NO	REMARKS
1. Requirement Summary				
1.1	3	The Data Center Infrastructure Management (DCIM) solution must be full license (all DCIM modules license are enabled) DCIM including asset management, capacity planning management, change management, workflow management, power monitoring, and environmental monitoring with three (3) years software upgrade license maintenance.		
1.2	150	The licensing scheme should accommodate one hundred fifty (150) floor mounted assets.		
1.3		Provides data center monitoring and alarming for facilities with visualization of power, space and cooling data for insight, analysis and control		

CLASS D

1.4		The solution must include professional service Installation, knowledge transfer (Training), import of asset database and floor plans, and integration of IT and utility equipment in LBP Data Center/s. (Refer to Annex C-13)		
1.5		The solution must utilize a web interface, client application software via PC access, mobile access and support hundreds of role-based users.		
1.6		The solution should be capable to integrate to existing Environmental Monitoring devices, Precision Air Conditioning Unit (PACU), Uninterruptible Power Supply (UPS), Power Distribution Unit (PDU), and other IT and M&E equipment that have IP based controllers.		

2. Asset Management				
2.1		The solution must support a model library of pre-built models to include a 3D graphical representation of the device front, rear and top-down where relevant. Can also remodel upcoming equipment.		
2.2		The model must contain details such as: Make, Model number, Asset class type, Mounting type, Physical dimensions, RU height, Weight, Front image, Rear image, Data and power port specification, Power supply specification, Power, heat, space and weight capacity data of the device, Serial number, Purchase date. Can also add additional attributes for property.		
2.3		The solution library models (IT and non IT devices) shall have at least 25,000+ vendor neutral models. Available models base on the actual DC environment can be added		
2.4		Data export can be done through Excel and Portable Document Format (PDF) file format and should have company logo		
2.5		The solution must provide an ability to compile an inventory catalogue of all devices in use in the DCIM model, critical Infrastructure devices, sensing devices or devices inside other devices.		
2.6		The solution must allow 3D view devices to be placed on a floor plan, row, and rack or inside another device with capability to track the number of ports deployed and trace network		

		and/or power cables.		
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3. Capacity Planning				
3.1		Asset Placement - The solution will track/reserve power, cooling, network, physical and rack space.		
3.2		Planned state records – The solution will automatically reserve or release resources, including power, space, and/or cabling when an asset is moved from one state to another.		
3.3		Works Order Generation - For any capacity move/add/change request, the solution will generate actionable work orders automatically providing a visual installation guide for installation teams to move equipment in and out of the data center.		
3.4		Impact analysis – The solution will provide the relationships between assets and the implications of possible events showing dependences between devices and the knock-on-effects of device failures.		
3.5		Resource Status Reporting – The solution will provide capacity planning giving immediate insight into the status of resources, such as network connections, usage, cooling and space within rooms, cages, and cabinets; showing what is in use and what is immediately available 2D view of the Data Center.		

4. Work Flow Management				
4.1		The solution must, by default, provide standard data center processes for: Installation, Move, and Decommission.		
4.2		The solution must allow the user to trigger any of these processes and provide a set of standard input data to the process.		
4.3		The solution shall route any instance of a process through a standard set of notifications,		

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		approvals and decision points as outlined in the process		
4.4		The solution shall provide a view of all work orders recorded by the tool, showing: Status, Owner, Planned completion date and History		

5. Discovery				
5.1		Discovery of any/all hardware, software, and IoT devices across the organization with standard protocols: Simple Network Management Protocol (SNMP), Modbus TCP/IP, Building Automation and Control Network (BACnet), Intelligent Platform Management Interface (IPMI) etc.		
5.4		Monitoring key assets and noncompliant hardware, software, and firmware.		
5.5		Comprehensive Application Programming Interface (APIs) to integrate into multiple IT and Business systems.		
5.6		Ability to Auto Discover Data Center Equipment and all other SNMP Enabled devices by just entering the IP Address/es		

6. Report and Analysis				
6.1		The solution must collect data for alarms using SNMP, Modbus-IP, BACnet protocols through the deployment of remote data/alarm collection devices		
6.2		Analytical Reporting – The solution must provide detailed analytical reporting to support daily operations, ongoing management and strategic planning.		
6.3		The solution shall allow thresholds to be applied to any measured data point and send email and alarms whenever a threshold is breached		

7. Platform				
7.1		The solution should be of a tier III architecture design which is installed on a single server cluster of one back-end (for database) and one front dashboard end server (for application) or can be installed on a single server for both		

		back-end and front dashboard.		
7.2		Scalability – The solution must scale to support operations on and off-site, and support as many racks as necessary. The solution must provide a rack-based pricing model or equivalent, and the solution must enable the user to purchase and add additional rack count at user discretion. The solution must not be licensed based on processor count or system user count.		
7.3		Navigation – The solution must be highly intuitive and easy to use. Navigation should allow the user to traverse the entire data center model and all of its knowledge without the need to change or invoke other applications. Ability to navigate visually. Ability to navigate by icons. Ability to navigate by search criteria. The solution must appear as a single pane of glass to the user for all DCIM functionality.		
7.4		User Access – The solution must provide role-based access control with permissions mapped to specific functions (i.e. Network only available to Network personnel). Ability to group users and apply rights to a group of users and make groups members of other groups.		
7.5		The solution must have a robust permission and authorization engine on board the platform enabling the creation of custom groups and user permissions.		
7.6		The solution must integrate with Lightweight Directory Access Protocol (LDAP) and Active Director.		
7.7		Mobile Accessible –The mobile solution must be able to capture and transmit real-time changes.		
7.8		The solution must log user access and date of all changes made to the DCIM tool.		
7.9		The solution must install on either physical or virtual infrastructure.		
7.10		The solution must provide perpetual software licensing, meaning that the customer will own the license which is not contingent upon support renewals.		
7.11		The solution must enable an unlimited number		

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		of locations to be created.		
7.12		The solution must enable the user to purchase and add additional floor mounted asset license at user discretion.		
7.13		The solution must provide free patches, software, security updates and asset updates for all purchased software under a current maintenance agreement.		

8. Environmental Management				
8.1		The solution shall provide an ability to visualize a top down view and 3D view of the floor with racks colorized to show the various levels of temperature and humidity threshold breach		
8.2		The solution shall provide an ability to display temperature and humidity values and alarms via hover over on any temperature and humidity sensors that is placed on the floor plan		
8.3		The solution should generate/display a thermal and humidity view of the entire data center.		

9. Documentation				
9.1		Solution Requirements		
9.1.1		The solution must be a comprehensive and all-inclusive monitoring tool with asset management, capacity planning management, change management, workflow management, power monitoring, and environmental monitoring.		
9.1.4		The solution must include a professional installation services to include knowledge transfer, product installation, training, import of asset database and monitoring communication with various devices.		
9.1.5		The solution must utilize the DCIM PC application software, web interface and support hundreds of role-based users.		
9.2		Technical Requirements		
9.2.1		Application must provide real time branch circuit monitoring, circuit alarm notification, cabinet asset management, and DCIM infrastructure monitoring for data centers.		
9.2.2		System will have a standard dashboard at the global and site levels that can be customized.		

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		The standard dashboard shall display data center efficiency Power Usage Effectiveness/Data Center Infrastructure Efficiency (PUE/DCIE), kW utilization, capacity (power, cooling, space), environmental trend (temperature & humidity), energy consumption and alarms.		
9.2.3		System will have an alarms dashboard at the global and site levels that includes communication uptime.		
9.2.4		System will have a cabinet details dashboard that includes power history and usage, alarm history, teamed loads and capacity status.		
9.2.5		Solution must actively measure power consumption in real time or near real time (seconds apart or more), using such data collection techniques as sensors and intelligent PDUs, or via integration with other data sources, via SNMP, Modbus TCP/IP, BACnet.		
9.2.6		Solution must be able to pull Real-time power data, pulled directly from certain intelligent devices, such as intelligent PDUs, servers, etc. Meters, which can be stand-alone or integrated into power strips, monitor the aggregate power consumption of equipment that is connected to the meter.		
9.2.7		The ability to understand how much power is being used down to the rack level is a minimum requirement of a DCIM solution.		
9.2.8		Must be able to measure and monitor power usage at the discrete unit level such as: Switch, Computer Room Air Conditioning (CRAC), Chiller, PDU, UPS, Generator etc., to provide further information.		
9.2.9		Must have the ability to balance energy, temperature, humidity consumption with equipment requirements means that constant monitoring of data is key.		
9.2.10		Must have capabilities for industry standard analog and digital input points i.e. Temperature, Humidity, Leak Detector utilizing an "off the shelf" Modbus I/O modules available to any purchaser. A system requiring proprietary hardware or proprietary communication protocols is not permissible.		
9.2.11		Solution must show historical Trending with the		

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		ability to view how your data center, a specific rack or even a particular device is performing over time relative to power usage and/or environmental metrics is useful in understanding the current state of your data center, and as part of your space and capacity planning efforts.		
9.2.12		System will provide at a minimum cabinet alarms, cabinet loads, circuit alarms, PDU alarms, UPS alarms, etc. Drill down features shall display Cabinet, PDUs, PDU panels, UPS, electrical distribution and Heating Ventilation Air Conditioning (HVAC) equipment graphically indicating detailed circuit status, real time load information and environmental conditions.		
9.2.13		System will have a dynamic power chain analysis tool that enables users to simulate power chain failures at any level and know their impact, gain insight into power capacity, availability and view the power chain end to end.		
9.2.14		The DCIM system must be running on linux machine atleast 7.4 version or up to latest.		

10. Security				
10.1		Must have ability to integrate with Active Directory and LDAP up to the OS level.		
10.2		Must support integration with third party solutions for single sign on. Refer to ANNEX C-13		

11. Environmental Monitoring System Gateway Specification				
11.1.1		Ethernet: RJ45 (10/100 BASE -T)		
11.1.2		WEB: Built- in web sever		
11.1.3		Data logger: data logger for more than 250,000 records		
11.1.4		Can measure: humidity, temperature and etc.		
11.1.5		RS-485 support: YES		
11.1.6		Can be mounted on a wall, on a Din rail, or as a 1U device into a 19" cabinet		

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11.1.7	1	Global System for Mobile (GSM) modem: An external GSM modem for sending text messages (sms)		
11.1.8		Text messages (SMS): Alerts can be sent as SMS (text messages) with up to 5 recipients (phone numbers).		
11.2	2	Environmental Monitoring System – Central Control Unit		
11.2.1		No. of Digital Inputs Supported: 12		
11.2.2		No. of Digital outputs supported: 4		
11.2.3		Number of environmental sensors supported : total of 40 sensors (16-1 wire protocol and 24 RS485 protocol)		
11.2.4		Type of sensors supported: Analog and digital sensor (1 wire and RS485 protocol) temperature humidity, leak sensor, smoke sensor, motion sensor, door sensor, vibration sensor		
11.2.5		Interface: Web based Graphical User Interface (GUI)		
11.2.6		Supported communication protocol: SNMP, SNMP V3, XML, Modbus TCP/IP, TCP/IP		
11.2.7		Network Interface: RJ – 45 10/100 Base- T		
11.2.8		GSM Modem for SMS Alert: (optional) Support		
11.2.9		Operating Environment: -30°C to +85°C (-22°F to +185°F)		
11.2.10		Email Notifications Alerts supported		
11.2.11		Input power: 9-30V		
11.2.12		Physical dimension: metal housing 100x213x35 [mm] – can be mounted on a wall, on a DIN rail, or as a 1U device into a 19" cabinet.		
11.2.13		Warranty: 3 year repair and/or unit or replacement		
11.3		Environmental Monitoring System Specification requirement		
11.3.1	16	Temperature and humidity combo sensor 2 in 1 sensor		
11.3.2		Measurement range: -10°C to +80°C (14°F to +176°F)		
11.3.3		Temperature measurement accuracy: ± 0.8°C in range from +20°C to +40°C ±1.3°C (-10°C to +70°C)		

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11.3.4		Measurement Range Relative Humidity: between 0% to 100%		
11.3.5		Measurement Accuracy Relative Humidity: ±5%RH, 20 -80%RH non-condensing, 25 °C		
11.3.6		Communication: 1 wire, RS-485/IP		
11.3.7		Network Interface Connections: RJ11 and RJ-45		
11.3.8	8	Airflow Sensor		
11.3.9	4	Expansion Hub		

12. TECHNICAL SUPPORT				
12.1		Support: 24X7 telephone, email, remote, and on-site support for three (3) years		
12.2		Support: Ability to request solution enhancements		
12.3		Support: Availability of software updates, maintenance patches and upgrades		
12.4		Vendor must provide a Quarterly health check softcopy Service Report emailed to DCMD for three (3) years.		
12.5		Vendor should have a local engineer for on-site support and implementation. Provide DCIM certification. Vendor engineer should have implemented at least 1 local and 4 regional DCIM Projects. Vendor engineer has been able to implement a DCIM project to other companies. Provide CV with accomplished DCIM implementation.		
12.6		Vendor must submit letter of accreditation from the Principal to ensure guaranteed support.		

13. Documentation				
13.1		The vendor must provide documentation on the system configuration, which includes but not limited to capacity and performance base lining, zoning and connectivity diagrams of attached FMAs —these documentations will serve as additional inputs during health checks, problem determination and issue resolution.		
13.2		The vendor must provide documentation on every deliverable specified in this document to		

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		record completion. Must submit 5 working days after project completion, also Softcopy must be placed in a USB		
13.3		<p>The vendor must provide documentation on system operations and must be written in English of durable construction with concise and high quality presentation to include but not limited to the following:</p> <ol style="list-style-type: none"> 1. User Manuals 2. Technical / Reference Manuals 3. System / Operation Manuals 4. Troubleshooting and Installation Guides <p>Must submit 5 working days after project completion, also Softcopy must be placed in a USB and given to LBP</p>		
13.4		All documentation must be in hard and soft copies; Soft copies must be stored either on a compact disk or USB drive; Soft copy documentation must be in a non-editable format.		
13.5		All software used for the implementation of the system must be provided with installation media.		
13.6		All documentation shall be the property of the Land Bank of the Philippines and shall reserve the right to reproduce at no additional cost.		

14. OTHER REQUIREMENTS				
14.1		The proposed DCIM solution must provide training and knowledge transfer to the end user. Training must be for at 20 LBP personnel and provide training certificates		
14.2 (Regulatory Compliance)		The Winning bidder must comply with the requirements in relation to Third Party Service Provider/Vendor Assessment and Audit conducted by the Bank; must submit the following documents among others (e.g. Latest copy of Financial Statements (FS), Business Continuity Plan (as to services to the Bank); Updated List of Technical Support Staff (include name, contact numbers and email address):		

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14.3		The winning bidder should provide a certified engineer that is capable to integrate the DCIM to the landbank's existing Privilege Identity Manager.		
14.4	2	The proposed DCIM solution must also provide two (2) units industrial grade monitor at 55" Stand Alone LCD, 4K 3840x2160, 400cd/m2, LED Backlight, C-1400:1 size and includes ergonomic, adjustable, and movable stand.		
14.5	6	The proposed DCIM solution must also include six (6) units smart Power Distribution Unit (PDU), strip level metering with 24 ports NEMA outlet with 32-A rating.		

15. Delivery Schedule and Payment terms				
15.1 (Delivery)		The vendor must be able to deliver the products within forty five (45) calendar upon receipt of the Notice to Proceed (NTP) by the Supplier.		
15.2 (Payment Milestones)		50% upon delivery of products, and 50% upon completion of installation.		



Noted/Approved by:

Josie M. Castro
JOSIE M. CASTRO
 Assistant Vice President, DCMD

ANNEX C-13

Landbank Equipment for Environmental Monitoring:

Head Office:

Temperature and Humidity Sensor

- Poseidon2 4002
- Emerson Liebert RDU-S

Fire Suppression:

- KIDDE Fire Suppression – FMS 200

Leak Detection:

- Emerson Liqui-tect Leak Detection

Uninterruptible Power Supply

- Emerson UPS NXA 200

Precision Air Cooling Unit

- Libert PACU 1 MN: CM80AF
- Libert PACU 2 MN: CM80AF
- Libert PACU 3 MN: CM80AF
- Libert PACU 4 MN: VS070ASA0E1686A

Disaster Recovery Site:

Temperature and Humidity Sensor

- Poseidon2 4002

Fire Suppression:

- KIDDE Fire Suppression – FMS 200

Leak Detection:

- Emerson Liqui-tect Leak Detection

Uninterruptible Power Supply

- Emerson UPS NXA 60
- Emerson UPS NXA 40

Precision Air Cooling Unit

- Libert PACU 1 MN: VS070ASA0E1686A
- Libert PACU 2 MN: VS070ASA0E1686A