



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF BUDGET AND MANAGEMENT
GENERAL SOLANO STREET, SAN MIGUEL, MANILA

SUPPLEMENTAL/BID BULLETIN (SBB) NO. 1

This SBB No. 1 dated October 1, 2024, for **Project ID No. DBM-2024-77, “Subscription to Dedicated Fiber-Optic High-Speed Internet,”** is issued pursuant to Section 22.5 of the 2016 Revised Implementing Rules and Regulations of Republic Act No. 9184, to clarify, modify or amend items in the Bidding Documents. Accordingly, this shall form an integral part of the Bidding Documents.

PARTICULAR(S)/QUERY(IES)	AMENDMENT(S)/CLARIFICATION(S)
<p>Section VII. Technical Specifications</p> <p style="text-align: right;">Annex A</p> <p style="text-align: center;">DETAILED TECHNICAL SPECIFICATIONS</p> <p style="text-align: center;">xxx</p> <p>6.4 The internet connectivity must be guaranteed with 99.95% uptime/availability per month, with a monthly downtime cap of not exceeding 21.6 minutes.</p> <p>Monthly Downtime = a * (1 - b) = 43,200 minutes * (1 - 0.9995) = 21.6 minutes</p> <p>Let: xxx b = Availability percentage (99.95% or 0.9995)</p> <p style="text-align: center;">xxx</p>	<p>Section VII. Technical Specifications</p> <p style="text-align: right;">Annex A</p> <p style="text-align: center;">DETAILED TECHNICAL SPECIFICATIONS (REVISED)</p> <p style="text-align: center;">xxx</p> <p>6.4 The internet connectivity must be guaranteed with 99.95% 99.6% uptime/availability per month, with a monthly downtime cap of not exceeding 21.6 172.8 minutes.</p> <p>Monthly Downtime = a * (1 - b) = 43,200 minutes * (1 - 0.9995 0.996) = 21.6 172.8 minutes</p> <p>Let: xxx b = Availability percentage (99.95% or 0.9995 99.6 % or 0.996)</p> <p style="text-align: center;">xxx</p>
<p>Queries:</p> <p>1. Is the router included in the requirements?</p>	<p>Clarifications:</p> <p>1. No, the router is not included in the requirements.</p>
<p>2. What is the routing protocol to be used for this installation?</p>	<p>2. The requirement for the project is limited to internet services only. Therefore, a routing protocol is not necessary.</p>

PARTICULAR(S)/QUERY(IES)	AMENDMENT(S)/CLARIFICATION(S)
3. On the uptime, can we request it to be relaxed from 99.995% to 99.8%?	3. The DBM relaxes the uptime/availability from 99.95% to 99.6%. Please see the Annex A Detailed Technical Specifications (<i>Revised</i>).
4. On the latency, can we request for it to be relaxed from ≤ 10 ms to ≤ 60 ms in accordance with the industry standard?	4. The DBM retains the old latency requirement of ≤ 10 ms. The requirements are based on the rule of thumb for calculating latency, considering the terminating equipment and the typical latency levels within the Metro Manila area. Maintaining the latency at this level ensures reliable overall network and application performance. This latency minimizes the number of hops between routers, thereby reducing potential Quality of Service (QoS) issues.
5. Kindly specify the exact installation address for proper serviceability checking.	5. The installation location is the Department of Budget and Management, General Solano St., San Miguel, Manila
6. May we request for an ocular inspection?	6. Yes, we will accommodate ocular inspections, subject to scheduling.
	<p>Note:</p> <p><u>Attached is the Annex “A” (Detailed Technical Specifications) (Revised) which shall form part of the Bidding Documents.</u></p>

Other matters:

- The “No Contact Rule” shall be strictly observed. Bidders are not allowed to communicate with any member of the Bids and Awards Committee, Technical Working Group or Secretariat effective October 8, 2024, right after the opening of bids.
- For guidance and information of all concerned.

GERARDO E. MAULA
Assistant Secretary
Chairperson, DBM-BAC

**DETAILED TECHNICAL SPECIFICATIONS
(REVISED)**

1.0 PROJECT TITLE

Subscription to Dedicated Fiber-Optic High-Speed Internet

2.0 OBJECTIVE

The objective of the additional Internet services is to ensure reliable, seamless, and high-quality internet connectivity solutions for the Budget and Treasury Management System (BTMS), as part of the Integrated Financial Management Information Systems (IFMIS).

3.0 GENERAL REQUIREMENTS

3.1. SERVICE OVERVIEW

- 3.1.1. Provide dedicated fiber-optic internet services with symmetrical bandwidth.
- 3.1.2. Ensure reliable, high-speed internet connectivity with minimal downtime.
- 3.1.3. Offer scalable bandwidth options to accommodate future growth.

3.2. COMPLIANCE

- 3.2.1. Compliance with all relevant local, national, and international regulations and standards.
- 3.2.2. Adherence to data privacy and security standards, such as GDPR, HIPAA, or relevant local regulations.

4.0 SUBSCRIPTION PERIOD

The subscription period for the project shall be for twelve (12) months from the issuance of the Certificate of Acceptance after the completion of delivery, installation, and configuration of internet services.

5.0 TECHNICAL REQUIREMENTS

5.1. NETWORK INFRASTRUCTURE

5.1.1. FIBER OPTIC CABLE

- 5.1.1.1. Type: Single-mode fiber (SMF)
- 5.1.1.2. Compliance: ITU-T G.652.D or equivalent
- 5.1.1.3. Minimum core diameter: 8.3 microns

- 5.1.1.4. Maximum attenuation: 0.35 dB/km at 1310 nm and 0.22 dB/km at 1550 nm

5.1.2. NETWORK EQUIPMENT

- 5.1.2.1. Optical Line Termination (OLT) equipment to be compliant with industry standards (ITU-T G.984/G.987).
- 5.1.2.2. Customer Premises Equipment (CPE) to include Optical Network Terminal (ONT) with Gigabit Ethernet ports.

5.2. BANDWIDTH AND PERFORMANCE

5.2.1. BANDWIDTH OPTIONS

- 5.2.1.1. Minimum bandwidth: 1 Gbps symmetrical
- 5.2.1.2. Scalable options: Up to 10 Gbps symmetrical or higher

5.2.2. PERFORMANCE METRICS

- 5.2.2.1. Latency: ≤ 10 ms round-trip time (RTT) within the local metro area
- 5.2.2.2. Packet loss: $\leq 0.1\%$
- 5.2.2.3. Jitter: ≤ 1 ms

6.0 SCOPE OF SERVICES

- 6.1. The Internet Service Provider (ISP) shall provide one (1) year reliable internet Fiber Optic connection with a dedicated internet bandwidth of one (1) Gbps.
- 6.2. The ISP shall deliver, install, and configure the necessary Internet services and provide the following within sixty (60) calendar days from receipt of the Notice to Proceed (NTP):
 - 6.2.1. Installation and configuration of ISP provided equipment at DBM Central Office Datacenter.
 - 6.2.2. Provide necessary updates to DBM on the progress of service delivery.
 - 6.2.3. Conduct standard testing of the service and provide service report.
 - 6.2.4. Provide a Multi-Router Traffic Grapher (MRTG) tool to monitor the DBM traffic link quality and bandwidth utilization.
 - 6.2.5. Provide 30 usable Static IP Addresses (/27 subnet mask).
- 6.3. The ISP shall provide branded and brand-new high-quality Fiber Optic Cable for the internet connectivity with at least of the following specifications such as but not limited to:
 - 6.3.1. Suitable for outdoor application

- 6.3.2. Can withstand any temperature.
 - 6.3.3. Pressure resistance, corrosion resistance, and tensile strength.
 - 6.3.4. Designed for 10 Gbps, 40 Gbps, and 100 Gbps transmission.
- 6.4. The internet connectivity must be guaranteed with 99.6% uptime/availability per month, with a monthly downtime cap of not exceeding 172.8 minutes.

$$\begin{aligned}
 \text{Monthly Downtime} &= a * (1 - b) \\
 &= 43,200 \text{ minutes} * (1 - 0.996) \\
 &= 172.8 \text{ minutes}
 \end{aligned}$$

$$\begin{aligned}
 \text{Let: } a &= \text{Total minutes in a month} \\
 &= 30 \text{ days/month} * 24 \text{ hours/day} * 60 \text{ minutes/hour} \\
 &= 43,200 \text{ minutes}
 \end{aligned}$$

$$b = \text{Availability percentage (99.6\% or 0.996)}$$

- 6.5. The ISP shall provide a different fiber-optic cable routing from the existing ISP of the DBM to ensure the purpose of this project.

- 6.6. The ISP shall utilize its own pure Fiber End to End, from Core Network to the last mile facility to deliver the service.

6.7. SCOPE OF WORK

- 6.7.1. The ISP shall conduct a pre-implementation meeting with DBM representatives within seven (7) calendar days from receipt of the NTP so that all the necessary preparations and other implementation matters are discussed and finalized.
- 6.7.2. The ISP shall provide a Technical Plan for the installation of fiber optic cable subject for approval of the Undersecretary of the Information and Communications Technology (ICT) Group.
- 6.7.3. The ISP shall install and terminate the fiber optic cable based on the approved Technical Plan. The ISP can use the existing conduit of the DBM and shall perform all related civil works that may be required.
- 6.7.4. At the end of the subscription period, the ISP shall be responsible for decommissioning the fiber-optic cable which includes the removal of installed components such as but not limited to fiber optic cables, additional conduits, and other related materials at no additional cost to the DBM. The ISP must ensure that this process is carefully planned and coordinated to minimize downtime and ensure the non-disruption and/or continuity of the DBM's network services.

6.8. SUPPORT AND MAINTENANCE

6.8.1. During the subscription period, the ISP shall provide/render twenty-four hours a day, seven days a week (24/7) technical support service, including incident management, problem management, and fulfilling service requests. Technical support can be delivered in the form of a telephone call, electronic mail, and/or on-site support as requested by the DBM-ICTSS authorized personnel.

Problems reported shall be resolved to the satisfaction of the DBM within four (4) hours from receipt of the report.

6.8.2. During the subscription period, the ISP shall provide monthly report to be submitted every first week of the succeeding month.

6.8.3. A Certificate of Acceptance shall be issued by the Undersecretary of the ICT Group after the completion of delivery, installation, and configuration of internet services.

7.0 QUALIFICATION REQUIREMENTS

7.1. The ISP must have a National Telecommunications Commission (NTC) Tier 1 Certification/Permit/License/Authority.

7.2. The ISP shall be a Congressionally Franchised Telecommunications Company. Must provide a certificate of Public Convenience or permit from NTC.

7.3. The contractor shall be peered with the Philippine Open Internet Exchange (PhOpenIX) advertising all its prefixes, must provide certification from PhOpenIX.

7.4. The ISP must have a diverse internet peer connection in Asia – Singapore, Hong Kong, Japan - or in the USA. Must provide network diagram of the peer connection that they have linkage in the mentioned countries.

7.5. The ISP must have a current valid ISO Certification, i.e., ISO 9001:2015

7.6. The ISP must be in the telecommunications business for at least five (5) years in service based on the Bureau of Internal Revenue (BIR) Certificate of Registration (COR) Form 2303. (BIR COR Form 2303 will be submitted during post-qualification).

8.0 SERVICE LEVEL AGREEMENT

The DBM shall maintain a Service Level Agreement with the ISP, with provisions for liquidated damages as indicated below for their non-compliance. Liquidated damages shall be charged against any money due, or which may become due to the ISP, or collected from any securities or warranties posted by the ISP.

Component	Description	Liquidated Damages
Delivery, installation, and configuration	As defined in item 6.2 of this Detailed Technical Specifications (DTS)	1/10th of 1% of the total subscription price shall be imposed per day of delay.
Support and Maintenance	As defined in item 6.8 of this DTS, covering the twelve (12) months subscription period.	1/10th of 1% of the monthly payment shall be imposed per hour of delay.

9.0 WARRANTIES OF THE INTERNET SERVICE PROVIDER

9.1. For the procurement of this project, the warranties shall include the following:

- 9.1.1. The ISP warrants that it shall strictly conform to the terms and conditions of this Detailed Technical Specifications.
- 9.1.2. The ISP warrants that the technical staff assigned are qualified to provide the deliverables required to the satisfaction of the DBM.
- 9.1.3. The ISP shall secure, and maintain at its own expense all registration, licenses, or permits required by national or local laws and shall comply with the rules, regulations, and directives of regulatory authorities and Commissions.
- 9.1.4. The ISP's technical staff assigned to support DBM shall take all necessary precautions for the safety of all persons and properties at or near their area of work and shall comply with all the standard and established safety regulations, rules, and practices.
- 9.1.5. The ISP's technical staff assigned to support DBM shall coordinate with the ICTSS in the implementation of this project.
- 9.1.6. The ISP shall be liable for loss, damage, or injury caused directly or indirectly through the fault or negligence of its technical staff assigned. It shall assume full responsibility therefore and the DBM shall be fully released from any liability arising therefrom.
- 9.1.7. The ISP shall neither assign, transfer, pledge, nor subscription any part of or interest on the subscription being bidden out.

9.1.8. The ISP shall identify the certified technical staff who will be given the authority to access information or data and/or operate the specified equipment. The DBM, through the ICTSS, shall be informed within five (5) calendar days, through a formal notice, of any change or replacement of technical staff assigned.

10.0 CONFIDENTIALITY OF DATA

- 10.1. All technical staff assigned by the ISP shall be required to sign a Non-Disclosure Agreement (NDA).
- 10.2. The DBM Enterprise Network System, its component, parts and all products, product samples and specifications, data, ideas, technology, and technical/non-technical materials, all or any which may be derived from any of the foregoing are strictly confidential.
- 10.3. The ISP agrees to hold all the foregoing information in strict confidence. The ISP further agrees not to reproduce or disclose any confidential information to third parties without the prior written approval of the DBM.

11.0 TERMS OF PAYMENT

- 11.1. Monthly payment shall be made, subject to the submission of the following documentary requirements, and in accordance with budgeting, accounting, and auditing laws, rules, and regulations:
 - 11.1.1. Sales Invoice/Billing Statement;
 - 11.1.2. Certificate of Acceptance issued by the Undersecretary of the ICT Group; and
 - 11.1.3. Non-Disclosure Agreement (NDA).

Note that the NDA shall be submitted once, upon receipt of the NTP