



বাংলাদেশ কমার্স ব্যাংক লিমিটেড BANGLADESH COMMERCE BANK LTD.

প্রধান কার্যালয় : ইউনুস ট্রেড সেন্টার, লেভেল-২২, ৫২-৫৩, দিলকুশা বাণিজ্যিক এলাকা, ঢাকা-১০০০, পিএবিএক্স : ০২২২৩৩৫৭৮২৬, ০২২২৩৩৫৬৭১৬
Corporate Office : Eunoos Trade Center, Level-22, 52-53, Dilkusha C/A, Dhaka-1000, PABX : 02223357826, 02223356716
Hot Line: 16270, Fax : 02223388218, E-mail : info@bcbl.com.bd, SWIFT : BCBLBDDH, G.P.O. Box No. 475

Establishment & General Services Division, BCBL, Head Office

Rrf no: BCBL/HO/Estb/Tender/2023/6946

Date: 25th September, 2023

Invitation for Tender

01.	Agency	Bangladesh Commerce Bank Limited
02.	Procuring Entity Name	Bangladesh Commerce Bank Limited, Establishment & General Services Division, Head Office.
03.	Procuring Entity District	Dhaka
04.	Invitation Ref. No.	BCBL/HO/Estb/Tender/2023/6946
05.	Date	25 th September, 2023
06.	Procurement Method	Open Tendering Method
07.	Budget and Source of Fund	Own Source of Bangladesh Commerce Bank Limited
08.	Tender Package Name	Procurement of Hardware & Software for the implementation of Bangladesh Bank project named "Nikash BEFTN System"
09.	Tender Security	Taka 7,00,000/- (Seven Lac) only [Refundable] as pay order in favor of Bangladesh Commerce Bank Ltd. should be deposited along with the tender.
10.	Tender Publication Date	26 th September, 2023
11.	Tender Last Selling Date	15 th October, 2023
12.	Tender Closing Date & Time	15 th October, 2023 Closing Time: 12:00 P.M.
13.	Tender Opening Date & Time	15 th October, 2023 Opening Time: 3:00 P.M.
14.	Name & Address of Selling Tender Documents	Senior Assistant Vice President & Head of Establishment & General Services Division, BCBL, Head Office, Eunoos Trade Center, Level-22, 52-53, Dilkusha, Dhaka-1000, Bangladesh
	Address of Receiving Tender Documents	Establishment & General Services Division, BCBL, Head Office, Eunoos Trade Center, Level-22, 52-53, Dilkusha, Dhaka-1000, Bangladesh
	Address of Opening Tender Documents	Mini Conference Room, BCBL, Head Office, Eunoos Trade Center, Level-22, 52-53, Dilkusha, Dhaka-1000, Bangladesh

Information for Tenderer

01.	Eligibility of Tenderer	As per Tender Documents																											
02.	Brief Description of Goods	<p>Procurement of Hardware & Software for the implementation of Bangladesh Bank project named "Nikash BEFTN System"</p> <p>Lot-1: MySQL, Redhat Linux & Hardware (SSD drive & RAM)</p> <table><tr><th>Sl.No.</th><th>Description of Items</th><th>Quantity</th></tr><tr><td>01.</td><td>MySQL Enterprise Edition Subscription (1-4 socket server) - Oracle 1-Click Ordering -05 Years</td><td>1</td></tr><tr><td>02.</td><td>Red Hat Enterprise Linux Server, Premium (Physical or Virtual Nodes) for 5 years</td><td>1</td></tr><tr><td>03.</td><td>Existing Server hardware resources up gradation: 10 x 1.9 TBSSD SAS Read Intensive 12Gbps 512n 2.5in Hot-plug Drive, minimum Performance 1 DWPD, 3504 TBW Hot-plug Hard Drive 2.5 inch drive bay supported. 768 GB (24 x 32 GB Module) 3200MT/s, Dual Rank, x8 Data Width DDR memory</td><td>10 Hard disks 24 no s 32 GB module</td></tr></table> <p>Lot-2: Luna HSM 7</p> <table><tr><th>Sl.No.</th><th>Name of Item</th><th>Technical Specification</th></tr><tr><td>01.</td><td>Brand</td><td>Network HSM</td></tr><tr><td>02.</td><td>Model</td><td>Luna A700</td></tr><tr><td>03.</td><td>No of HSM</td><td>02 no.s HSM (From Day one 5 partition for each HSM will be activated)</td></tr><tr><td>04.</td><td>Cryptographic Interfaces</td><td>Full Suite B support • Asymmetric: RSA, DSA, Diffie-Hellman, Elliptic Curve Cryptography (ECDSA, ECDH, Ed25519, ECIES) with named, user-defined and Brain pool curves, KCDSA, and more • Symmetric: AES, AES-GCM, Triple DES, DES, ARIA, SEED, RC2, RC4, RC5, CAST, and more • Hash/Message, Digest/HMAC: SHA-1, SHA-2, SHA-3, SM2, SM3, SM4 and more • Key Derivation: SP800-108 Counter Mode • Key Wrapping: SP800-38F • Random Number Generation: designed to comply with AIS 20/31 to DRG. using HW based true noise source alongside NIST 800-90A compliant CTR-DRBG • Digital Wallet, Encryption: BIP32 • 5G Cryptographic Mechanisms for Subscriber Authentication: Milenage, Tuak and COMP128</td></tr></table>	Sl.No.	Description of Items	Quantity	01.	MySQL Enterprise Edition Subscription (1-4 socket server) - Oracle 1-Click Ordering -05 Years	1	02.	Red Hat Enterprise Linux Server, Premium (Physical or Virtual Nodes) for 5 years	1	03.	Existing Server hardware resources up gradation: 10 x 1.9 TBSSD SAS Read Intensive 12Gbps 512n 2.5in Hot-plug Drive, minimum Performance 1 DWPD, 3504 TBW Hot-plug Hard Drive 2.5 inch drive bay supported. 768 GB (24 x 32 GB Module) 3200MT/s, Dual Rank, x8 Data Width DDR memory	10 Hard disks 24 no s 32 GB module	Sl.No.	Name of Item	Technical Specification	01.	Brand	Network HSM	02.	Model	Luna A700	03.	No of HSM	02 no.s HSM (From Day one 5 partition for each HSM will be activated)	04.	Cryptographic Interfaces	Full Suite B support • Asymmetric: RSA, DSA, Diffie-Hellman, Elliptic Curve Cryptography (ECDSA, ECDH, Ed25519, ECIES) with named, user-defined and Brain pool curves, KCDSA, and more • Symmetric: AES, AES-GCM, Triple DES, DES, ARIA, SEED, RC2, RC4, RC5, CAST, and more • Hash/Message, Digest/HMAC: SHA-1, SHA-2, SHA-3, SM2, SM3, SM4 and more • Key Derivation: SP800-108 Counter Mode • Key Wrapping: SP800-38F • Random Number Generation: designed to comply with AIS 20/31 to DRG. using HW based true noise source alongside NIST 800-90A compliant CTR-DRBG • Digital Wallet, Encryption: BIP32 • 5G Cryptographic Mechanisms for Subscriber Authentication: Milenage, Tuak and COMP128
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Establishment & General Services Division, BCBL, Head Office

05.	Application Support	HSM Should support BACH II (BACPS, BEFTN), Nikash Ghar, RTGS& IDTP Platform or any upcoming Bangladesh Bank BACH related project.
06.	Supported Operating Systems	Windows, Linux, Solaris, AIX Virtual: VMware, Hyper-V, Xen, KVM.
07.	API Support	PKCS#11, Java (JCA/JCE), Bouncy Castle APIs should be supported REST API for administration. Should support Customized and Validated Firmware and API for BACH II
08.	Partitions	Should support partitioning of FIPS 140-2 certified HSM memory into completely isolated divisions and not just logical partitioning in associated software with each partition managed by their own Security Officer and Crypto Officer Roles and having independent security policies that can be managed. From Day one 5 partition for each HSM will be activate.
09.	Security Certifications	FIPS 140-2 Level 3 – Password Common Criteria EAL4+ (AVA_VAN.5 and ALC_FLR.2) against the Protection Profile EN 419 221-5 Qualified Signature or Seal Creation Device (QSCD) listing for eIDAS compliance Singapore NITES Common Criteria Scheme.
10.	Host Interface	• 4 x 1G with Port Bonding • IPv4 and IPv6
11.	Physical Characteristics	Standard 1U 19in. rack mount appliance • Dimensions: 19" x 21" x 1.725" (482.6mm x 533.4mm x 43.815mm) • Weight: 28lb (12.7kg) • Input Voltage: 100-240V, 50-60Hz • Power Consumption: 100W maximum, 84W typical • Heat Dissipation: 376BTU/hr maximum, 287BTU/hr typical • Temperature: operating 0°C – 35°C, storage -20°C – 60°C • Relative Humidity: 5% to 95% (38°C) non-condensing
12.	Safety & Environmental Compliance	• UL, CSA, CE • FCC, CE, VCCI, C-TICK, KC Mark • RoHS2, WEEE • TAA • India BIS [IS 13252 (Part 1)/IEC 60950-1]
13.	Load balancing & High Availability	HSM must support load balancing & Auto Failover capability.
14.	Reliability	Dual hot-swap power supplies • Field-serviceable components • Mean Time Between Failure (MTBF) 171,308 hrs
15.	Management & Monitoring	• HA disaster recovery, • SNMP, Syslog • Backup and restore hardware to hardware on-premises or in the cloud
16.	Backup	HSM should be compatible with existing Backup HSM Devices available with the bank and should be usable with the provided HSM for backup and recovery
17.	Key Migration	Provided HSM should support Key Migration from existing HSM model in BACH.
18.	Warranty	3-years warranty 24x7 Telephonic and Email provided directly from OEM
19.	OEM Confirmation	Awardees vendor will have to submit Thales authorized MAF from OEM on the network HSM for BACH-II project
20.	Delivery	6 to 8 weeks.

Procuring Entity Details

01.	Name of Official Inviting Tender	Md. Touhidul Islam	Abdul Munim Chowdhury
02.	Designation of Official Inviting Tender	Senior Assistant Vice President & Head of Establishment & General Services Division	Assistant Vice President
03.	Address of Official Inviting Tender	Establishment & General Services Division, BCBL, Head Office, Dhaka-1000, Bangladesh	Establishment & General Services Division, BCBL, Head Office, Dhaka-1000, Bangladesh
04.	Contact Number of Official Inviting Tender	01720 109770	01894 806620

The procuring entity reserves & right to accept or reject any or all tenders (partly or fully) at any stage.

24/09/2023
Abdul Munim Chowdhury
Assistant Vice President

24/09/23
Md. Touhidul Islam
SAVP & Head of Estb & GSD