

Ref: EBL-HSM-2019 dated 15-Nov-2019

**REQUEST FOR PROPOSAL FOR THE SUPPLY / DELIVERY AND INSTALLATION OF
HARDWARE SECURITY MODULE (HSM) DEVICE**

Eligibility Criteria of the bidders

1. Bidder should be a Nepalese company
2. The bidders should be an authorized dealer or reseller of the HSM device
2. Company should have run at least three years
3. Past history of supply of such device in any one A class commercial Bank.

Documents to be submitted along with bid

1. Copy of Company registration certification
2. Copy of latest tax submission report
3. Copy of VAT /PAN certificate
4. Copy of latest balance sheet of the company
5. Copy of authorized dealership/reseller certificate issued by the OEM
6. List of organizations which purchased above device from the company
6. Reference letter from any organization where the company had supplied the device
7. Warranty / Guarantee and after sales service in signed letter head of the company

General Terms/conditions

1. Price should be in Nepalese Rupees
2. Price should be inclusive of all taxes and duties
2. Delivery of device – one month from the date of P/O
3. Penalty on non-delivery after one month: 0.5% of cost of device on daily basis
4. Successful bidder has to tender performance bond guarantee of 15% of the cost of device for a period of one year
5. Payment to the supplier shall be released after one month of successful run of the device

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Technical Specification HSM Device

S. No.	Parameter	Values
1	Cryptographic APIs	<ul style="list-style-type: none">• SafeNet Mark II Payment API including Card Issuance and Online Banking Module• Third Party Payment API• Custom Solutions
2	Security Certifications	<ul style="list-style-type: none">• FIPS 140-2 Level 3 validated• PCI-HSM compliant
3	Functionality and support	<ul style="list-style-type: none">• EMV• Contactless and NFC Payment• 3D-Secure• VISA Cloud• Remote key loading• Transaction processing• RSA signature processing minimum 600/second
4	Symmetric Keys	<ul style="list-style-type: none">• AES• DES• 3DS• SEED
5	Hash Message Digest	<ul style="list-style-type: none">• SHA-1, SHA-2 (SHA-224, SHA-256, SHA-384, SHA-512), MD5
	Random Number Generation	<ul style="list-style-type: none">• FIPS 140-2 approved DRBG (SP 800-90 CTR Mode)
6	Dimensions	<ul style="list-style-type: none">• Standard 1U 19" rack mount chassis
7	Temperature	<ul style="list-style-type: none">• Operating 0°C to 45 °C• Storage -20°C to 65 °C
8	Input voltage and power	<ul style="list-style-type: none">• 100V to 250V• Dual hot-plug redundant power supply
9	Regulatory Standards	<ul style="list-style-type: none">• UL, CSA, CE• FCC• RoHS compliant
10	Operating Systems Supported	<ul style="list-style-type: none">• Windows / Linux / Solaris

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