Manual for Installing Digital Signature Certificate

Electronic Building Permit System (e-BPS) Kirtipur Municipality Office

Step 1: Configure Trusted Sites in Internet Options

- > Open the Internet Options panel from your system's Control Panel or browser settings
- > Navigate to the Security tab and select Trusted Sites
- Click on Sites and add the following URLs:
 - https://127.0.0.1
 - https://localhost
- Click Close to exit the dialog box.



Step 2: Install Required Software and Configure e-Signer

- Obtain the Digital Signature Setup Folder:
- Copy the folder provided by the Municipality Office to your desktop or laptop, or download it from the municipal website.

📙 1. emSigner-Windows	4/22/2021 4:30 PM	File folder	
🛃 2. jdk-15.0.2_windows-x64_bin	1/20/2021 11:58 AM	Application	163,540 KB
🖲 3. emsigner	3/22/2021 12:04 PM	Windows Batch File	1 KB

- Install Required Applications:
 - Open the folder named *1. emSigner-windows* and install emSigner.
 - Then install *2. jdk_15.0.2_windows-x64_bin*.
- Configure emSigner Location:
 - Copy the folder named *3. emsigner* to the following directory: C:\emSigner\emSigner
- Create Desktop Shortcut:
 - Right-click the emsigner.bat file within the copied folder and send a shortcut to the desktop.
 - **Note:** You must **always launch this file from the desktop shortcut** before logging in to https://www.ebps.kirtipurmun.gov.np

👷 emSigner Setup	🗙 🛃 Java(TM) SE Development Kit 15.0.2 (64-bit) - Progress 🛛 — 🛛 🗙
Installing emSigner	java [*]
Please wait while the Setup Wizard installs emSigner. This may take several minutes.	Status: Updating component registration
Status:	
Advanced Installer	
< Back Next > Can	ncel



3. emsigner.bat - Shortcut

C:\emSigner\emSigner>java -jar emSigner.exe Server started on port: 8080 creating directory: eMweb java.lang.NullPointerException: Cannot invoke "java.io.OutputStream.close()" because "os" is null at server.ServerUI.writeEmweb(ServerUI.java:411) at server.ServerUI.initr(ServerUI.java:72) at server.ServerUI.initr(ServerUI.java:72) emSignerIndex 31 tempPath C:/emSigner/emSigner/ path---- cmd /c start C:/emSigner/emSigner/certificate.bat executing command

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Step 3: Access via Browser

- > Open any browser (preferably **Google Chrome** or **Mozilla Firefox**).
- > In the browser, type either of the following and press Enter:
 - o <u>https://127.0.0.1:8080</u>
 - o <u>https://127.0.0.1:1645</u>
- Click Advanced and then Proceed to unsafe (this is required for local certificate validation).

Step 4: Access e-BPS with Digital Signature

- Insert your Digital Signature Certificate (USB or software-based; soft token) into the system.
- Visit: <u>http://ebps.kirtipurmun.gov.np/Account/SelectLogOn</u>

← → C 😂 ebps.kirtipurmun.gov.np/Account/SelectLogOn		\$ 🕹 🕹 i
🥺 🧶 कीर्तिपुर नगरपालिका कार्यालय E-Building Permit System		
	Sign In Sign in to start your session	
	Log On with Credentials	
	Log On with Signature	

> Click on Log On with Signature.

e ×	Windows Security X
emSigner	Smart Card
Content to Sign:	Please enter your authentication PIN.
Certificate store	
Common Name Issuer Name Serial No Expiry Date	Click here for more information
Suraj Ojha Radiant Into I ec 130516552479 18-10-2022	
Powered by	OK Cancel
View Certificate	

Select your name, click **Sign**, and enter your **PIN**.

You are now successfully logged into your **e-BPS Designer Dashboard**.

Note: If any error occurs during the signing process, please repeat Step 3 or restart emsigner.

Frequently Asked Questions (FAQs)

Q1: How to Verify a Digital Signature in a PDF (Adobe Reader)?

- > Open the PDF file in **Adobe Acrobat Reader**.
- > Click on the **Signature Panel** or the visible signature.

Signature Not	Verified
Digitally signed by	Suraj Ojha
NPT	3.57.36 ने
Location: Kirtipur n	unicipality

> Select Signature Properties.

Signature	Validation Status		
<u>₿</u> ∧	Signature validity is UNKNOWN. - The document has not been modified : - The signer's identity is unknown becaus certificates and none of its parent certific	since this signature was appl se it has not been included ir cates are trusted certificates.	ied. h your list of trusted
		Signature Properties	Close

> Click on Show Signer's Certificate \rightarrow Trust \rightarrow Add to Trusted Certificates \rightarrow OK.

Signature Properties	× Certificate Viewer	×
Signature validity is UNKNOWN. Signing Time: 2021/02/20 22:16:24 +05'45'	This dialog allows you to view correspond to the selected er were issued by a trust anchor	v the details of a certificate and its entire issuance chain. The details try. Multiple issuance chains are being displayed because none of the chains
Validity Summary Validity Summary The document has not been modified since this signature was appl The certifier has specified that Form Fill-in, Signing and Commentin for this document. No other changes are permitted. The signer's identity is unknown because it has not been included in trusted certificates and none of its parent certificates are trusted cert Signing time is from the clock on the signer's computer. Signature was validated as of the signing time: 2021/02/20 22:31:24 +05'45' Signer Info The path from the signer's certificate to an issuer's certificate was su built. Revocation checking was not performed. Advanced Properties Validate Signature	ied. g are allowed n your list of tificates. Close	Summary Details Revocation Tust Policies Legal Notice This certificate is not trusted. Trust Settings Sign documents or data Certify documents Execute dynamic content that is embedded in a certified document Execute high privilege JavaScripts that are embedded in a certified document Perform privileged system operations (networking, printing, file access, etc.) Add to Trusted Certificates
Summary This cert Trust Su This c certifit truste	Details Revocation Trust Policies Legal Notice ficate is directly trusted in your trusted certificates list. ettings ertificate is set as a trust anchor, the result being that this cate and all certificates issued beneath this certificate are d to: Sign documents or data Sign documents or data Certify documents Execute dynamic content that is embedded in a certified document execute high privilege JavaScripts that are embedded in a certified document Perform privileged system operations (networking, priving, file access, etc.) ation checking is not performed for this certificate set is directly trusted as a trust anchor. Add to Trusted Certificates.	

> Click on Validate Signature.



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> In the Signature Panel, click Validate All.



> Your digital signature has been successfully verified and is now displayed as valid



Q2. How to Append a Digital Signature in AutoCAD?

- 1. Open the AutoCAD file.
- 2. Navigate to **Options** \rightarrow **Open and Save** tab.



3. Click on Security Options → Digital Signature tab.

Security Options				?	\times
Password Digital Signatu	re				
Attach digital signatum Select a digital ID (certific	e after saving drawing ate):				
Issued To	Issued By		Expiration Date	e	
Suraj Ojha	Radiant InfoTech Nepal CA	2020	10/18/2022		
Signature information Get time stamp from:		Comment:			
(No time stamp)	~	<enter description=""></enter>		1	~
(No time stamp)					1
		ОК	Cancel	He	p

- 4. Check the box for "Attach Digital Signature after Saving Drawing".
- 5. Save the drawing file.
- 6. Enter your token PIN when prompted.

Your digital signature has now been successfully appended to the AutoCAD drawing.