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1. **Purpose**
   This document is prepared for the users of e-procurement solution used at IIT-B. This document details the system requirements/-settings needed for transactions in the SAP SRM e-procurement system in general and particularly for bidding activities involving digital signing, decryption and encryption. E-procurement application for IIT-B is accessed from URL “https://ep.iitb.ac.in/irj/portal”

2. **Operating System**
   It is recommended to use a system which is running on Windows 7 and above from Microsoft Corporation and is capable to run internet explorer of a version of at least 8

3. **Web Browser**
   The supported browser is Internet Explorer provided my Microsoft Corporation©™ (Other browsers Safari, Firefox, Mozilla, Chrome etc. are not supported).

   **3.1 Version**
   The browser should be of at least version IE 8 and should be run in administrator mode.

   ![Internet Explorer version screenshot](image1.png)

   ![Internet Explorer screenshot](image2.png)

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3.2 Run in administrator Mode
Set the browser to run in administrator mode as per the steps given below.

- Go to properties of Internet explorer by right clicking the Internet explorer icon as shown below.

- Click Advanced button from the shortcut tab as shown below.
- Check the box as shown below

3.3 Compatibility View
Higher versions of IE should have the e-procurement URL set to run in compatibility mode.

If Internet explorer version is higher than IE 8/9, follow this process to access the e-procurement site in compatibility mode.

Go to Tools > Compatibility view setting
In the Add this Web site: text box, type: iitb.ac.in and click on “Add” button.

Website will be added as shown below and then choose OK or Close button.

3.4 Browser Security Settings
Add the e-procurement website URL to Trusted Site as below from internet options of Internet Explorer. In the tab for security after selecting trusted sites, click the button ‘Sites’ as shown below.
Maintain URL “https://ep.iitb.ac.in/irj/portal” and add as shown below
Further security setting of explorer to be adjusted as below

Click on “Custom Level” button, Security settings window opens up, maintain following values for below.

<table>
<thead>
<tr>
<th>Allow Scriplets</th>
<th>Enable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic prompting for ActiveX controls</td>
<td>Enable</td>
</tr>
<tr>
<td>Binary and script behaviors</td>
<td>Enable</td>
</tr>
<tr>
<td>Download signed ActiveX controls</td>
<td>Enable</td>
</tr>
<tr>
<td>Download unsigned ActiveX controls</td>
<td>Enable</td>
</tr>
<tr>
<td>Initialize and script ActiveX controls not marked as safe</td>
<td>Enable</td>
</tr>
<tr>
<td>Run ActiveX controls and plug-in</td>
<td>Enable</td>
</tr>
<tr>
<td>Script ActiveX controls marked safe for scripting</td>
<td>Enable</td>
</tr>
<tr>
<td>Display mixed content</td>
<td>Enable</td>
</tr>
<tr>
<td>Use Pop-up Blocker</td>
<td>Disable</td>
</tr>
</tbody>
</table>

4. Adobe Reader

Adobe Reader should be installed on your computer for digital signing. You can update this from the link given as below.

http://get.adobe.com/uk/reader/

5. Java

5.1 Java Version

Java version should be at least 7. For Java download please go to URL

5.2 Java in control panel
Check whether Java is installed in your system by going to control panel as shown below.

If installed you shall find an icon as shown below

![Java (32-bit)](image)

Click on the icon to see details like version, set security etc.

You can check version using the option as below
5.3 Security Settings
If the version is less than 7 update the same from the above URL and then have the below security setting done in control panel
6. Installation of Digital Certificates
Please follow the instructions from your digital certificate vendor to install the digital certificate and associated drivers on your computer. The Class-III digital certificate should be brought from a CA (Certifying Authority) licensed by the CCA (Controller of Certifying Authorities) in India.

The current CAs licensed by CCA can be seen at http://cca.gov.in/cca/index.php?q=faq-page#n41

7. Microsoft Visual C++ 2010 Redistributable Package (x86)
This package is required for document signing using digital signature. To check that this package is installed correctly on your computer, please go to control panel > Programs and Features as per the steps shown below
Programs and features

If this is not installed on your computer, the same can be downloaded and installed from:

http://support.Microsoft.com/kb/2019667

(Note: Service pack / Security update may vary in future releases provided by Microsoft.)

8. References/Resources
Download Internet Explorer Browser

Microsoft Visual C++ 2010 Redistributable Package (x86)
http://support.Microsoft.com/kb/2019667

Java Download

Adobe Reader
http://get.adobe.com/uk/reader/

Certified Authorities Licensed by CCA of India
http://cca.gov.in/cca/index.php?q=faq-page#n41

Frequent issues in digital signatures
http://scn.sap.com/community/srm/blog/2014/03/05/frequently-faced-issues-in-digital-signature-srm