

Instruction for TLSv1.2 Setup

Contents

A. Browser Setup	. 1
a. Browser Compatibility Setting	. 1
b. Add to Trusted Site:	. 2
c. TLS – Setup for IE	. 3
d. TLS – Browser Compatibility Check	. 6
e. EDGE browser set up	.8
B. JAVA Set up and compatible JAVA Versions	12
a. Install Java Runtime Environment (JRE) 1.8	12
b. Compatible JAVA Versions	10
C. JAVA Console and URL Compatibility	12
a. Add to Java Site List	12
b. Security Medium	12
c. TLS – Set up	13
D. Checking JAVA Installation	20
E. Dos AND Don'ts	25

A. Browser Setup

a. Browser Compatibility Setting:

This site is best viewed in Internet Explorer 9.0. Internet Explorer 8 and Windows XP are no more compatible due to vulnerabilities – Please visit below link for more details <u>https://www.microsoft.com/en-us/WindowsForBusiness/end-of-xp-support</u>



If you are using Internet Explorer 10 or above then enable compatibility view available under Tools menu as:

For Internet Explorer 10 – Open the Website – Press F12 on your keyboard – Change the Browser mode to IE9 – Apply - OK

For Internet Explorer 11 -Open an Internet Explorer page – Tools - Compatibility View Settings – URL of following web sites needed to key-in in the 'Add this website' edit box one by one and click "ADD" button.

For GAS BIDDING: <u>https://eps.buyjunction.in/gasbidding</u>

b. Add to Trusted Site:

Open an Internet Explorer page - Tools - Internet Options - Security tab – Select Trusted Sites – click Sites

URL of following web sites needed to be key-in to the edit box under 'Add this website to the zone:' and click 'Add' button one by one

For GAS BIDDING: <u>https://eps.buyjunction.in/gasbidding</u>



Confidential



c. TLS – Setup for IE

Follow (i) - (iv) as described below with screen shots

(i) Internet Explorer → Tools → Internet Options

about: I abs		7 🔼 🔯 Welcome to 🔯 Wel	come to 🔯 Welcome to	Welcome to	Welcome to O buyjunction.in	😂 New Tab 🗙 🕠
e Edit View Favorites Tools Help Delete brows InPrivate Bro	ing history Ctrl+Shi wsing Ctrl+Shi	ift+Del				
Tracking Prot ActiveX Filter Diagnose cor Reopen last. Add site to 5	tection ing mection problems browsing session tert menu	es			122	
View downloa Pop-up Block SmartScreen Manage add	ads Ctrl+J er Filter •ons	ERIFY DIGITAL ERTIFICATE	Welcome to mjunction Enterprise Procurem	https://myportal.mju	Welcome to mjunction Enterprise Procurem	
Compatibility Compatibility	View View settings		<u>10</u>			
Subscribe to Feed discove Windows Up	this feed rry date	•				
F12 develop	er tools		LES .			
	ons	elcome to mjunction	Welcome to mjunction Enterprise Procurem	503 Service Unavailable	503 Service Unavailable	
	-	-	-	-	-	
	Discover other sites	you might like			Hide sites	

🎊 Start 🕼 🚱 Ma... 📙 F. \... 🕲 Ne... 🧶 Re... 💿 St... 🗰 DB... 🔯 DB... 🔯 M... 🧖 Ed... 🖏 17... 🧞 17... 🧞 Co... 🚿 SQ...]υh... 🔯 Br... 🔯 TL... 🔯 Co... 🛃 Ja... 🐼 Uh... Desktop » 🎗 눧 🛱 🖗 🔥 12:29 PM 🜉



(ii) Click on Advance

Internet Options ? General Security Privacy Content Connections Programs Advanced					
Settings Accolerated graphics Use software rendering instead of GPU rendering*		53		5	
Accessionity Always expand ALT text for images Enable Caret Browsing for new windows and tabs Move system caret with focus/selection changes Play system sounds	AL	Welcome to mjunction Enterprise Procurem	https://myportal.mju	Welcome to mjunction Enterprise Procurem	
Reset text size to medium for new windows and tabs Reset zoom level for new windows and tabs Browsing Mutumatically recover from page layout errors with Compa Crease merical follows in bitary and Exercises					
Disable script debugging (Internet Explorer) Disable script debugging (Other) Takes effect after you restart Internet Explorer	mjunction ocurem	Welcome to mjunction Enterprise Procurem	503 Service Unavailable	503 Service Unavailable	
Reset Internet Explorer settings Resets Internet Explorer's settings to their default Condition. Reset			-	-	
You should only use this if your browser is in an unusable state.				Hide sites	

🌋 Start 📀 😡 Ma... 📔 Film. 🥘 Re... 🔮 Re... 🖗 Re... 💿 58... 🗰 58... 🗰 58... 🚺 M... 🕐 Ed... 🍕 17... 🗞 17... 🧞 50... 🥬 50... 🚺 D.n... 🔯 Br... 👰 T.... 👰 Co... 🛃 30... 🖉 U.N.. Dekktop » 🎗 🗁 🕃 🖗 🔥 12:33 PM 🗮

(iii) Pull down scroll bar to end



Confidential ©



(iv) Check the check box against Use TLS 1.2 as shown picture bellow & click Apply

	1 10 Store 10 Store	d Windows A	uthentication*	-
	Enable memory p Enable native XM	rotection to h	nelp mitigate online rt	attacks*
	Enable SmartScre	en Filter		
	Use SSL 2.0			
	Use SSL 3.0			
	Use TLS 1.0			
	Use TLS 1.1	-		
	Warn about certi	ficate addres	s mismatch*	
	Warn if changing	between sec	ure and not secure	mode
	Warn if POST sub	omittal is redir	ected to a zone tha	at does n
•				•
*Takes e	effect after you re	estart Interne	et Explorer	
			Restore advance	ed settings
			1 <u></u>	10.00
wat Tatar	pot Explorer cotti			
eset Inter	net Explorer setti	ngs	acir dofault	
eset Inter Resets Ir condition	net Explorer setti Iternet Explorer's	ngs settings to th	neir default	Reset



d. TLS – Browser Compatibility Check

NOT all browser version (Internet Explorer) will support TLSv1.2 protocol. You may check TLSv1.2 enable browser by visiting the below url.

https://en.wikipedia.org/wiki/Template:TLS/SSL support history of web browsers

Please note that in older browsers, you may not find **Use TLS 1.2** option as per below dialogue box and hence this browser is NOT compatible. You need to upgrade your browser to Internet Explorer 9 or above

	Security	Privacy	Content	Connections	Programs	Advanced
Setting	s —					2
	Do not Empty Enable Enable Enable Enable Enable Use S: Use S:	t save end Tempora DOM Sto Integrat memory native XI SmartSci SL 2.0 SL 3.0 SL 3.0	crypted pa ry Internel orage ed Window protection MLHTTP su reen Filter	ges to disk t Files folder wi vs Authenticatio to help mitigat pport	nen browser on* e online atta	is clc
	Warn Warn Warn Warn	about cer if changin if POST su	tificate ado g between ubmittal is r	dress mismatch secure and no redirected to a	* t secure mo zone that d	de oes n
<	Warn Warn Warn Warn	about cer if changin if POST su	tificate add g between ubmittal is r	dress mismatch secure and no redirected to a	* t secure mo zone that de	de oes n v
×Tal	Warn Warn Warn Warn Kes effect a	about cer if changin if POST su after you	tificate add g between Jbmittal is r	dress mismatch secure and no redirected to a ernet Explorer	* t secure mo zone that de	de oes n
×Tal	Warn Warn	about cer if changin if POST su after you	tificate add g between ubmittal is r mu restart Int	dress mismatch secure and no redirected to a ernet Explorer Restore	* t secure mo zone that de advanced s	de oes n >
*Tal	Nernet Ex	about cer if changin if POST su after you	tificate add g between ubmittal is r nu restart Int tings	dress mismatch secure and no redirected to a ernet Explorer Restore	* t secure mo zone that d advanced s	de oes n >
*Tal Reset I Rese	Internet Ex Its Internet	about cer if changin if POST su after you plorer set	tificate add g between ubmittal is r restart Int tings	dress mismatch secure and no redirected to a ernet Explorer Restore to their default	* t secure mo zone that di advanced s	de oes n Settings



E. EDGE browser setting

Step:1

Open Internet Property by following :

Go to start menu>click Windows+Run>enter the command *inetcpl.cpl* and click Ok



Step 2:

Add the application URL to the Trusted Site List (Security> Trusted Sites)

Set the IE security levels as below (Security >Internet>Custom level):

- ✓ Internet: Medium-high (default)
- ✓Trusted sites: Medium (default)

✓ Select Enable or Prompt for the required ActiveX related options under 'Internet' and 'Trusted sites'





paymanti i 10	Ceneral Security Privacy Content Connections Programs Advanced		MDR-fund Represent	Report obs	AutoSciup	WEPHDEOD	Agreement	Updated_m	m	unction
	Select a zone to view or change security settings.				1			-		innovating for outcomes
	S 🔮 🔮 🗸 🛇		×		āi	<u>I</u>		10F		
Dockéloos a	Internet Local intranet Trusted sites Restricted sites	10) a	o template uno	CHIPS Rep.	GSK	WORLD BA	PAN MA	NURIANI		
Souther In Mention	Internet This zone is for Internet websites, experiment websites, restricted zones. Security level for this zone	11 <u>2</u> 40	Attechme	Anomely S		INCORREC		amarikan		
DEFLERROR (Allowed levels for this zone: Medium to High Hedium Prompts before downloading potentially unsafe constructions will not be downloaded	B	124126 <u>1</u> 950 <u>1</u> 1	ian a	HP ink Tank Wireless 4	a Secure	EDGE_CHR	DGH_BIDDE		
CapitelD Cardiferm	Enable Protected Mode (requires restarting Internet Explorer) Custom level Default level) 141.,	. 112035 <u>,</u> 1100	Murchant_an	Shep for Supplies	New Microsoft	edge			
	Reset al corres to deradit rever	-	×	à	1		A.	1		

Step 3: Open the Edge Browser











□ Image: Setting to e-Procurement System X Image: Setting	rgs x + - o x faultBrowser ♀ ♀ ♀ ⊕ ♥ … Settings and more (Alt+F)
Settings	Default browser
Q Search settings	Microsoft Edge is your default browser Max default
 Profiles Privacy, search, and services Appearance 	Internet Explorer compatibility
 Start, home, and new tabs Share, copy and paste Cookies and site permissions 	Let Internet Explorer open sites in Microsoft Edge ⑦ Incompatible sites only (Recommended) ✓ When browsing in Internet Explorer you can choose to automatically open sites in Microsoft Edge Incompatible sites only (Recommended) ✓
□ Default browser ↓ Downloads ※ Family safety	Allow sites to be reloaded in Internet Explorer mode Allow Allow Allow Allow Step: 7.2 Set as Allow Set as Allow
A(† Languages ☐ Printers ☐ System	Internet Explorer mode pages Add These pages will open in Internet Explorer mode for 30 days from the date you add the page. No pages have been added to the Internet Explorer mode list yet.
Reset settings Phone and other devices Accessibility About Microsoft Edge	

Settings	Default browser Step 8: Add the	
Q Search settings	Microsoft Edge is your default browser	
Profiles	Address	
Privacy, search, and services		
Appearance	Internet Explorer compatibility	
Start, home, and new tabs	Add a page	
🖻 Share, copy and paste	Let In Compatible sites only (Recommended)	
Cookies and site permissions	Micro:	
Default browser	https://eps.buyjunction.in/gasbidding	
↓ Downloads	Allow Add Cancel Default V	
😤 Family	When lity, you can choose to reload it in Internet	
At Languages		
Printers	Internet Explorer mode pages Add	
System and performance	Explorer mode list yet.	
O Reset settings		
Phone and other devices		
式 Accessibility		

Confidential

[©] mjunction services limited







B. JAVA Set up and compatible JAVA Versions

Open Control Panel – Double Click the Java Icon to open the Java control panel

9					All Control Panel Items	5			- 🗆 🗙
• •	↑ Provide the two tests of the test of the test of the test of tes	Control	Panel Items						✓ C Search Control Panel ₽
Adjus	t your computer's settings								View by: Large icons 🔻
p	Action Center	9	Add features to Windows 8.1	-	Administrative Tools		AutoPlay	R	BitLocker Drive Encryption
1	Color Management		Credential Manager	P	Date and Time		Default Programs	And	Dell Audio
₿ ⁴	Dell Command Power Manager	łø	Dell Command Update		Dell Touchpad	-	Device Manager	-	Devices and Printers
	Display	٢	Ease of Access Center	J.	File History	£	Flash Player (32-bit))E	Folder Options
A	Fonts	ଙ	Free Fall Data Protection	•	HomeGroup	R	Indexing Options	3	Intel® HD Graphics
•	Intel® Rapid Storage Technology	G	Internet Options	(Java (32-bit)	٩	Keyboard	F	Language
	Location Settings		Mail	Ì	Java (32-bit) Mou Java Control Panel	-	Network and Sharing Center		Notification Area Icons
2	Personalization	4	Phone and Modem	1	Power Options	ā	Programs and Features	R	Recovery
Ð	Region		RemoteApp and Desktop Connections	0	Sound	Ģ	Speech Recognition	Ŷ	Storage Spaces
۲	Sync Center		System	5	Taskbar and Navigation		Troubleshooting	88	User Accounts
盟	Windows Defender	1	Windows Firewall		Windows Mobility Center	4	Windows Update	h	Work Folders
	🧿 🙆 👸 🕯		t 🕂 🚺						▲ 隆 🛍ी ♦) ENG 1:40 PM INTL 1/13/2017

a. Install Java Runtime Environment (JRE) 1.8

1. Please install Java Runtime Environment (JRE) 1.8 from the link provided below

http://www.oracle.com/technetwork/java/javase/downloads/java-archive-javase8-2177648.html#jre-8u101-oth-JPR

2. Click Control panel 3. Click on Java icon in Control panel, following dialogue box will come



🕌 Java Control Panel			
General Update Java Security Advanced			
About			
View version information about Java Control Panel.			
			About
Network Settings		_	
Network settings are used when making Internet connections settings in your web browser. Only advanced users should m	s. By default, odify these se	Java will us ettings.	se the network
		<u>N</u> etwork	Settings
Temporary Internet Files			20
Files you use in Java applications are stored in a special folde advanced users should delete files or modify these settings.	er for quick ex	ecution late	er. Only
	Settings	i	<u>V</u> iew
Java in the browser is enabled.			
See the Security tab			
		ei -	1
	OK	Cancel	Apply



1			40.0 1 10 10	- 8 × 1
• •	🔹 🛧 國 🕨 Control Panel 🕨 All	Control Panel Items	Java Control Panel - ×	v 🖒 Search Control Panel 🔎
Adjus	t your computer's settings		Wew and manage Java Runtime versions and settings for Java applications and applets.	View by: Large icons 🔻
p	Action Center	Add features t 8.1	Java Runtime Environment Settings	RitLocker Drive Encryption
1	Color Management	Credential Ma	Pla Product Location Path Runtime Parameters Enabled Archite	Dell Audio
₿‡	Dell Command Power Manager	Dell Comman		Devices and Printers
	Display	Ease of Access		Folder Options
A	Fonts	Free Fall Data		Intel® HD Graphics
•	Intel® Rapid Storage Technology	Internet Optic	Find Add Remove OK Cancel	公子 Language
	Location Settings	Mail		Notification Area Icons
1	Personalization	Phone and Me	res	Recovery
P	Region	RemoteApp a Connections	OK Cancel Apply	Storage Spaces
۲	Sync Center	System	Taskbar and Navigation	User Accounts
鼺	Windows Defender	Windows Fire	vall 🛛 🗿 Windows Mobility Center 🛛 📑 Windows Update	Work Folders
	🧿 🏉 👸 🕻	🐮 😗 🌾	w] 🕼	▲ 🎼 ŤŨdl ♠》 ENG 1:45 PM INTL 1/13/2017

4. Click on Java ->View, following dialogue box will come

5. Enable JRE 1.8 (if not enabled already) and Disable all other JRE's (if not disabled already)



Platform	Product	Location	Path	Runtime Parameters	Enabled
.8	1.8.0_73	http://java.s	C:\Program Files\Jav		V
.7	1.7.0_25	http://java.s	C:\Program Files\Jav		100

6. Click OK

b. Compatible JAVA Versions

a) Platform – Windows 7/8/ IE 9/10/11/64 Bit

- 1. Please Install Java 1.8 Update 91/101 (Both 32 & 64 Bit).
- 2. Also Please Un-install all other versions of Java present in the system.
- 3. Open your Internet Explorer (9/10) Go to tools Internet Options Security -Trusted Sites- Add the "<u>https://eps.buyjunction.in/gasbidding</u>" URL.
- 4. Tools Internet Options Manage Add On's Enable all Java Plug INS.
- 5. Tools Internet Options Security Custom Level Reset to medium Low.
- 6. Control Panel Java Security Lower the status Bar to medium.
- 7. Control Panel Java Advanced Enable Logging in.

b) Platform-Windows 10/IE11/Edge/64 Bit:

- 1. Type the website address on Microsoft Edge
- 2. On the extreme Right Hand side, you will find 3 dots, please click on the same & choose 'Open with Internet Explorer'



- 3. Please Install Java 1.8 Update 91/101 (Both 32 & 64 Bit)
- 4. Then Follow the same settings as mentioned above.
 - c) For Windows 7, 8, 10 with 32 Bit Systems Only Install the 32 Bit Java.
 - d) All required Java downloads can be obtained from <u>java.com</u> / www.filehorse.com



C. JAVA Console and URL Compatibility

To allow the browser to launch the JAVA application, the designated/required sites need to be added to the JAVA site list. The steps are provided below:-

a. Add to Java Site List

Start - Control Panel - Java - Security tab - Click "EDIT SITE LIST" button - ADD – type url (as mention below) to use, -Click ADD button to save - OK. For Gas Bidding : <u>https://eps.buyjunction.in/gasbidding</u>

🛃 Java Control Panel	Exception Site List
General Update Java Security Advanced	
F Enable Java content in the browser	Applications launched from the sites listed below will be allowed to run after the appropriate security prompts.
	Location
Security level for applications not on the Exception Site list	https://epsdemo.buyjunction.in
C Variableb	https://iepsdemo.buyjunction.in
e very nign	https://pgcildemo.buyjunction.in
Only Java applications identified by a certificate from a trusted authority are allowed to ru	un, https://pgcileps.buyjunction.in
and only if the certificate can be verified as not revoked.	https://procurement.metaljunction.com
6 Hinh	https://geosdemo.buviunction.in
	https://www.example.com/dir/ or https://www.example.com/app.html
if the revocation status of the certificate cannot be verified.	FILE and HTTP protocols are considered a security risk.
	We recommend using HTTPS sites where available.
Exception Site List Applications launched from the sites listed below will be allowed to run after the appropriate security property.	
http://jocalhost http://jocalhost http://bheldemo.buyjunction.in	
Restore Security Prompts Manage Certificates	s
OK Cancel A	spply

b. Security Medium

Start - Control Panel - Java - Security tab - Select the security level scroll bar - Pull down [or select radio button] it to MEDIUM and click Apply





c. TLS – Set up:

Follow (i) – (iii) as describe below with screen shots

(i) Click on Advance tab, following dialogue box will come



Java Control Panel	
eneral Update Java Security Advanced	
Debugging	
Enable tracing	
Show applet lifecycle exceptions	
Java console	
Show console	
C Do not start console	
Default Java for browsers	
Microsoft Internet Explorer	
Mozilla family	
Java Plug-in	
Enable the next-generation Java Plug-in (requires brow	ser restart)
Shortcut Creation	
- C Always allow	
—C Always allow if hinted	
••• Prompt user if hinted	
C Never allow	
JNLP File/MIME Association	
C Always allow	
• • • Prompt user	
C Never allow	
Application Installation	
 Install if hinted 	
-C Install if shortcut created	
C Never install	
Source Execution Environment.	
	OK Cancel Apply

- (ii) Pull down scroll bar, Ensure the following settings are done as shown in below dialogue box:
 - a. Use SSL 2.0 is unchecked
 - b. Use TLS 1.0 is checked
 - c. Use TLS 1.1 is checked



d. Use TLS 1.2 is checked



(iii) Click Apply and then OK

D. Checking JAVA Installation

To access Digital certificate for Signing & Encryption/Decryption based solution, an appropriate java version must be installed into the system and also plugged-in with the browser. To ensure such installation along with plugged-in with browser, perform any one of the following options. On completion of any one of the option, it will display java version installed in your system ensuring that this version is plugged-in with the browser.



(a) **Option-1:** Conduct testing by using http://javatester.org/

STEP 1: Open IE

STEP 2: type javatester.org in address bar

Observation: Below page will display (look at the arrow)

C Java Tester - I	ome Page - Windows Internet Explorer		
C ⊂	ttp://javatester.org/ 🖉 🖓 🐇 🛐 Welcome 📓 Welcome 📓 Welcome 🦉 Welcome 🦉 Welcome 🤤 burylanct 🥥 mjunction 🥥 (i)Code 🥥 New Tab 🚺 Java 🗙 👘 🟠 🔅		
File Edit View	Favorites Tools Help		
Jar	va Tester Website by Michael Horowitz		
Home	See my Defensive Computing blog at Computerworld.com		
Java Version	Test the version of Java used in this browser		
Java News	Java security news		
Installing Java	February 8, 2016: Java installer flaw shows why you should clear your Downloads folder by Lucian Constantin for Computerworld.		
Other Testers	February 5, 2016: Java 8 Update 73 and Update 74 are released. The security baseline remains Update 71. Both versions will expire on April 19, 2016.		
JavaScript About	January 28, 2016: I have seen the future and it <u>does not include</u> Java running inside a web browser. Oracle blames web browsers for no longer supporting the quite-old NPAPI plug-in standard. Why Oracle can't move Java to a different plug-in interface is not discussed. As a substitute for Java applets, Oracle suggests Java Web Start apps. These are full blown apps, written in Java that are downloaded to a Java cache on your computer and run from there, outside of any web browser. Java Web Start apps can automatically self-update and the run in a sandbox by default. User action is required for them to break out of the sandbox. Different Java Web Start apps can run concurrently and use different versions of Java. The security issues with Java were always tied to the web browser interface, the language itself was never a security issue. <u>More</u> .		
	January 19, 2016: Java 8 <u>Update 71</u> is released. It fixes critical security flaws, as usual, and is now the Security Baseline. Update 71 is scheduled to expire on April 19, 2016. Also released was <u>Update 72</u> , described <u>by Oracle as</u> "a patch-set update, including all of 8u71 plus additional features". <u>Then too</u> , there is a BPR (Bundled Patch Release) and a public edition of Update 72.		
	November 16, 2015: Java 8 Update 66 is released. Although the Release Notes say "This release contains fixes for security vulnerabilities," the security baseline, however, remains at Update 65. Update 66 is scheduled to expire on January 19, 2016.		
	October 20, 2015: Java 8 Update 65 is released. It fixes a bunch of bugs and is the new security baseline. It is due to expire January 19,		
-	*,100% •		
Start 📀	🕡 Jav 🔰 D1.\ 👂 mm 🐞 Jav 🐌 SSL 🖉 Edit 🖉 Edit 👘 Svn 🇞 Re 🗞 17 🐚 17 🐚 Sys 🕎 JK 🕎 WL 👰 Co 🕥 Unt 🕵 Sni Desktop » 🎗 🙀 🛱 📶 🐚 12.5 PM 💻		

STEP 3(a): Click test the java version used in this browser (above screen shot).

Observation: Message in red-circle, which display java version, this ensures the presence of java along with version information. If the version is displayed correctly then it means that the Browser is recognising the java installed in your system. This also means that the Installed java is working properly



🙋 Java Tester - What Versio	on of Java Are You Running? - Windows Internet Explorer provided by Mjunction Services Limited	_ 5 ×		
🚱 🕞 🗢 🗾 http://javates	sster.org/version.html 🔎 👻 🎋 🐹 Java Tester - What Version 🗙	6 🛠 😳		
File Edit View Favorites	s Tools Help			
Java	Tester	Website by Michael Horowitz		
Home	See my Defensive Computing blog at Computerworld.com			
What Version of Java Are You Using?				
Version On a computer with multiple web browsers, be sure to check the Java version in every browser. I say this because multiple copies of Java can sometimes be installed with different browsers using different copies. Also, Java can be enabled in one browser and disabled in another. Note: The portion of Java that runs programs is referred to as either the Java Run-time Environment (JRE) or the Java Virtual Machine (JVM).				
Installing Java Me	thod 1: Ask Java			
Other Testers				
The version and vendor from the JRE				
	Java Version: 1.8.0_77 from Oracle Corporation			
	If Java is working, you will see a pink rectangle above with one line of text that says something like:			
	Java Version 1.8.0_25 from Oracle Corporation or Java Version 1.7.0_67 from Oracle Corporation or Java Version 1.6.0_45 from Sun Microsystems Inc. or			
	Java Version 1.6.0_33 from Apple Inc.			
	The initial "1" is ignored as is the third digit. Ask Oracle why.			
		* 100% *		
🎢 Start 👩 🥪 M 👔 Fr 👩 Ja 💿 Ja 🗊 St 🗃 D 🗊 M 🕐 E 🍖 1 🍖 1 🗞 C Ø S 🗊 U 🗊 Br 🗊 C Ø U 🕵 S E.J Desktop 🔌 🏝 😳 🛱 🐻 🕼 122519M 🗮				

STEP 3(b): If java is either **NOT** working properly or **NOT** installed in your machine, display page will looks like as below:

ava Tester - what version of Java A	Are You kunning? - windows internet explorer	21=
V Vijavatester.org/versi	rsion.html 🔎 🖌 🛃 Welcome 🛐 Welcome 📓 Welcome 📓 Welcome 🧔 Welcome 🎯 Welcome	🗾 Java 🗙 🚺 🛣
e Edit View Favorites Tools H	Help	
Java Te	ester	Website by Michael Horowit
Home	See my Defensive Computing blog at Computerworld.com	
	What Version of Java Are You Using?	
Java /ersion	ter with multiple web browcare, he sure to check the laws version in every browcar. I say this because multiple	onios of lava can
Java News Note: The portio	ter with indiciple web browsers, be subject to the start version in every howset if support the because indiciple of be installed with different browsers using different copies. Also, Java can be enabled in one browser and disabled ion of Java that runs programs is referred to as either the Java Run-time Environment (JRE) or the Java Virtual Machine (JVM).	l in another.
Java Method 1	1: Ask Java	
Other Testers This is my fav that authored in a pink rect	avorite - straight from the horse's mouth (so to speak). The Java Run-time Environment is aware of its version ar ad it. So I wrote a very simple applet (the source code is on the <u>About</u> page) that gets this information from the .tangle.	nd the company JRE and displays it
	The version and vender from the IRE	
	If Java is working, you will see a print rectangle above with one line of text that says something like: Java Version 1.8.0_25 from Oracle Corporation or Java Version 1.7.0_67 from Oracle Corporation or	
	Java Version 1.6.0_45 from Sun Microsystems Inc. or Java Version 1.6.0_33 from Apple Inc.	
	Version number translation: 1.6.0_34 is, in English, Java 6 Update 34 The initial *1* is ignored as is the third digit. Ask Oracle why.	
		÷ 100%
tart 👩 😡 Jav 🚺 D:\ 🖇	🔎 mm 🔯 Jav 🕘 SSL 📄 Stic 🥐 Edit 👷 svn 👫 Re 🔖 172 🖏 17 🗊 Sys 🗊 JDK 🗊 WI 🔯 Co 🗔 Unt 😪 Sni 🛛 Desktop	» * 🙀 🛱 📶 🕼 1:33 Pl
+hia a	and download latest version of jove from	
this to	ase download latest version of Java from	
n://www.orac	cle.com/technetwork/java/javase/downloads/index.html and insta	ll in vour
	the configuration of the second state of the s	ii iii youi
chine.		



(b) **Option-2:** Conduct testing by using Verify java link in java.com https://www.java.com/en/download/installed.jsp

STEP 1: Open IE

STEP 2: type <u>https://www.java.com/en/download/installed.jsp</u> address bar **Observation**: Following page will display with 'Agree and Continue' button



STEP 3: Click Agree and Continue

Observation: Below screen will appear which displaying message about the existing java version in your system along with latest available version.





STEP 4: If java version displayed in above screen is version 8 with update 91 or more, it will work.



E. Dos AND Don'ts

	Do's	Don'ts
JAVA	 Install JAVA 1.8 with latest updated o Keep only one JAVA 1.8 installed in system. 	 Installing incorrect versions of JAVA Keeping all of them installed in user system
	Set JAVA Security to High	• Setting JAVA Security to Very High
Browser	 Use Internet Explorer only Use I.E 9 or above. Set Compatibility mode properly for I.E 10 and I.E 11. 	 Using Mozilla Firefox, Chrome, Opera etc as browser Using I.E 8 and below. Setting Compatibility mode improperly for I.E 10 and I.E 11.
	Enable Include Local Directory Path when uploading files to a server option in I.E->Tools->Internet Options- >Security->Custom Level-> Miscellaneous-> Before attaching any document during bid submission	• NOT Enabling Include Local Directory Path when uploading files to a server option beforehand and started attaching documents
Regional & Language Settings	Set the Regional & Language Format in Control Panel to ENGLISH (UNITED STATES)	• Setting the Regional & Language Format in Control Panel to some options such as ENGLISH(INDIA) or ENGLISH(UNITED KINGDOM) etc
DSC	 The DSC requirement is CLASS 3- SHA 2- 2048 BIT SIGNING AND ENCRYPTION COMPONENT SEPARATELY. The DSC should not be expired The EToken Drivers must be installed properly Root Certificates must be installed 	 Using CLASS 1 or 2 DSC. Using only SIGNING certificate Or ENCRYPTION certificate Using Expired Certificate EToken Drivers Not installed or installed improperly Root Certificates Not installed
Registration in EPS / ID & Password / DSC Activation	 Register properly in EPS. The Bidder Name during registration in EPS must be same as the Bidder Name in DSC. Contact Helpdesk for DSC Activation 	 Incorrect / Incomplete Registration in EPS with Invalid PAN No. The Bidder Name during registration in EPS is different from Bidder Name in DSC.
Bid Submission	 Encrypt the attachments properly to generate files with .enc extension Check the size of the .enc files which must NOT be 0 KB. Upload the .enc files properly at proper place. Post submission of bid, download the attachments and decrypt to ensure that attachments has been uploaded properly and corrupted files were NOT attached Submit bid well before tender due date to avoid last minute issues and for peace of mind 	 Improperly encrypting documents generating corrupted files of 0 KB NOT Checking the size of the .enc files NOT Uploading the .enc files. Rather trying to upload .pdf, .xlsx etc. (unencrypted) files Post submission of bid, NOT checking the uploaded files by decrypting Submitting bid at last minute which is prone to errors and corrupted bid submission

