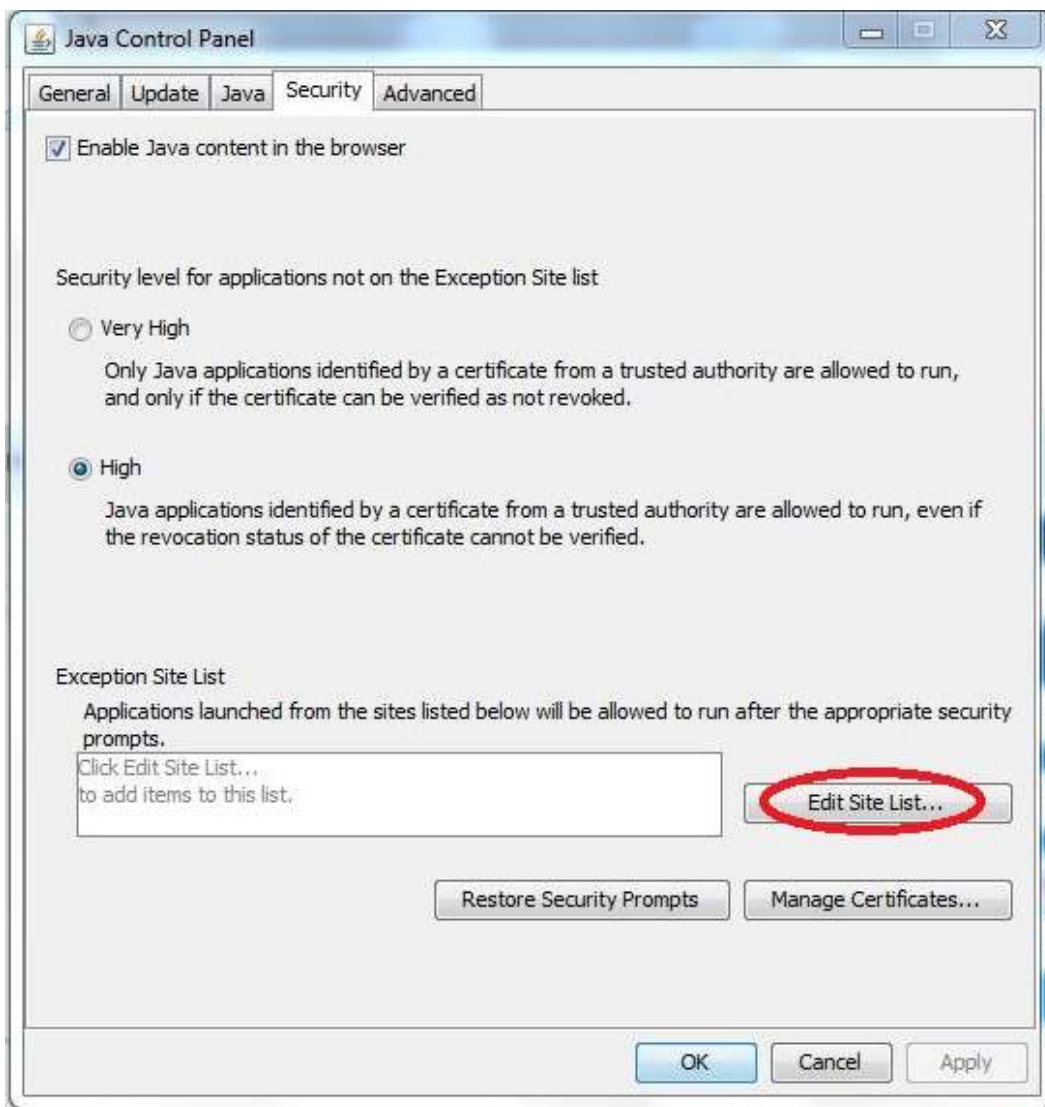
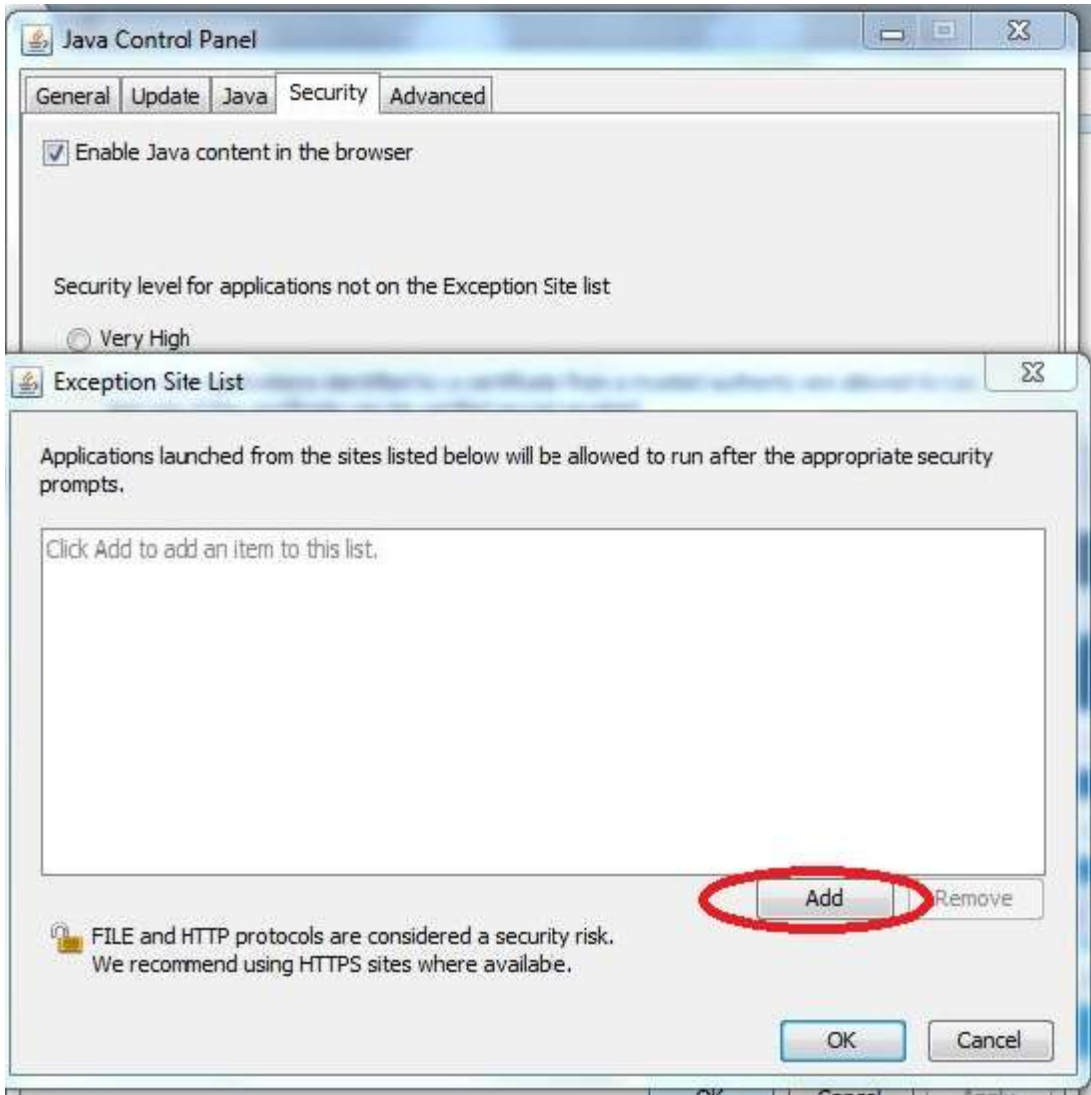


Steps for Applying Digital Signature

System Requirements:

1. Mozilla Firefox (**32 bit**) browser – [click here to download firefox 48.0.2](#)
2. JRE (32 bit) 1.6 update 29 or above, 1.7 or 1.8 – [click here to download jre 1.8 update 121](#)
3. Only Java/JRE 32 bit should be used even if operating system is 64 bit
4. DSC drivers must be already installed in the PC.
5. For Windows machine, After installing JRE, Add site url (http://rr.kerala.gov.in) in Exception Site List of Security Tab in Java Control Panel (Start -> Programs -> Java -> Configure Java)

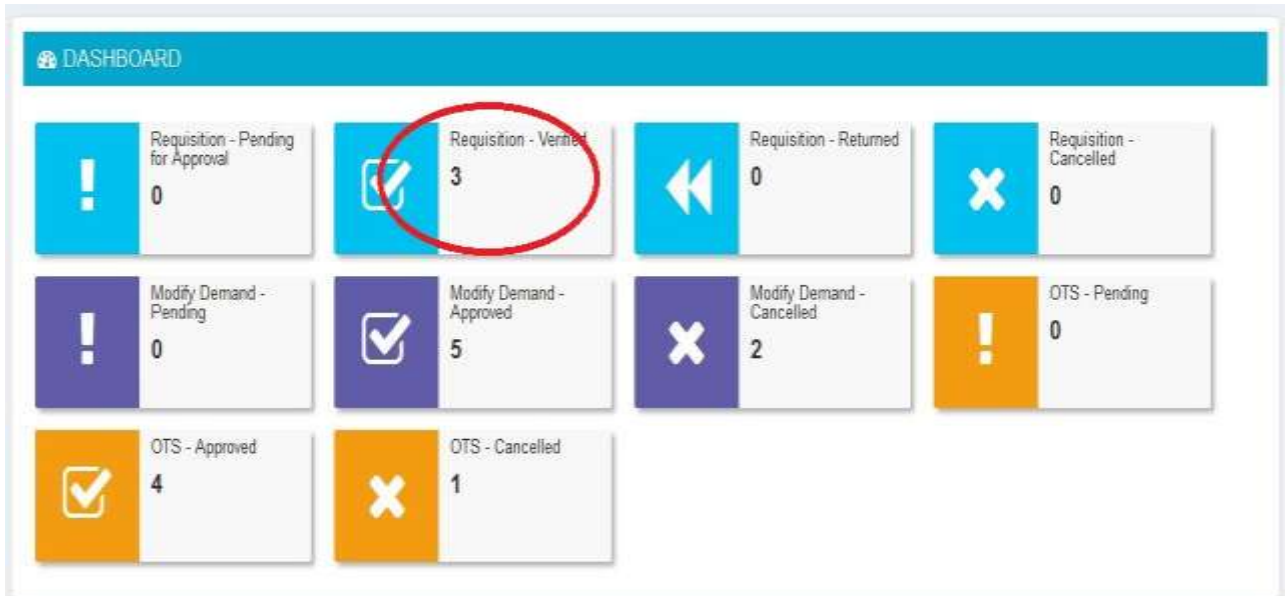






Steps for DSC registration and Form Signing:

1. Click **Verified list** from Dash board.



2. Click **view form / Apply Dsc** button from the list.

Requisition List

Pending Requisitions 0 | Verified Requisitions 5 | Returned Requisitions 0 | Cancelled Requisitions 0

Verified Requisitions

10 records per page

Sl No.	Year	Verified Date	RR No.	Ref. File No.	Ref. File Date	A/c No.	Principal Amount	Amount Due	Name of principal Defaulter	View Form24 Apply Dsc	Cancel Form 24
1	2017	11-04-2017	5	001	11-04-2017	123	25000	28000	Manju	Apply Dsc	Cancel
2	2017	10-04-2017	1	2017/klmv01	10-04-2017	2356	30000	31447	Anil	View form 24	
3	2017	10-04-2017	2	002356	10-04-2017	12345678	50000	62587	Dinil	View form 24	
4	2017	10-04-2017	3	002356	10-04-2017	12345678	25000	34168	Adarsh	View form 24	
5	2017	10-04-2017	4	11232	10-04-2017	123654	24000	25920	Paul	View form 24	

Showing 1 to 5 of 5 entries

Previous 1 Next

3. DSC needs to be registered once before using in RROnline Portal.
If your dsc is not registered then the following screen will appear.
Insert smartcard/USB key and click the **Register** button

RRC : 2017/5/02 Form 24

Unsigned Form 24 Apply Digital Signature Signed Form 24 Confirm & Forward

DSC needs to be registered once before using in RROnline Portal.

Insert Smartcard/USB Key for DSC registration..

- Click To Register -

4. If appropriate library files (.dll or .so) are available in the system, it will be automatically detected and system will prompt for dsc pin code.

RRC : 2017/5/02 Form 24

Unsigned Form 24 Apply Digital Signature Signed Form 24 Confirm & Forward

DSC needs to be registered once before using in RROnline Portal.

Insert Smartcard/USB Key for DSC registration..

Processing...

Digital Signature - RROnline

Please select your PKCS#11 implementation library file(.dll / .so) :

C:\Windows\System32\cryptsp1.dll Browse

Enter PIN Code:

Sign Cancel

5. Enter pin code to proceed. If the implementation library file path is not appearing, browse and provide the appropriate path of .dll / .so file.
- For Windows the file will be in Windows\SysWOW64" or "WINDOWS\system32" or "WINNT\system32”
 - For Linux machine the file will be in /usr/local/lib/ or /usr/lib/

Selection of appropriate driver path (.dll / .so file) needs to be done once only.

Listed below are few DSC dll's

DSC Type	Library file (Windows)	Library file (Linux)
SafeSign	aetpkss1.dll	aetpkss1.so
eMudhra	eMudhra\eMudhra CSP V1.0\wdpkcs.dll	WatchData/eMudhra_3.4.3/lib/libpkcs11wrapper.so WatchData/eMudhra_3.4.3/lib/libwdpkcs_eMudhra_343.so
TRUST KEY	TRUST KEY\TRUST KEY CSP V1.0\wdpkcs.dll	WatchData/TRUSTKEY/lib/libpkcs11wrapper.so WatchData/TRUSTKEY/lib/libwdpkcs_TRUSTKEY.so
Belgium eID MiddleWare	beidpkcs11.dll	beidpkcs11.so
Gemalto Cryptocard token	libgtop11dotnet.dll	libgtop11dotnet.so
EPass	eps2003csp11.dll	
Aladdin e token	eTPKCS11.dll	
Safe net I key	dkck201.dll	
Starkey	aetpkss1.dll	
Proxkey	wdpkcs.dll	libwdpkcs_TRUSTKEY.so

(Note : DSC supplier can be contacted for identifying the appropriate dll for your dsc)

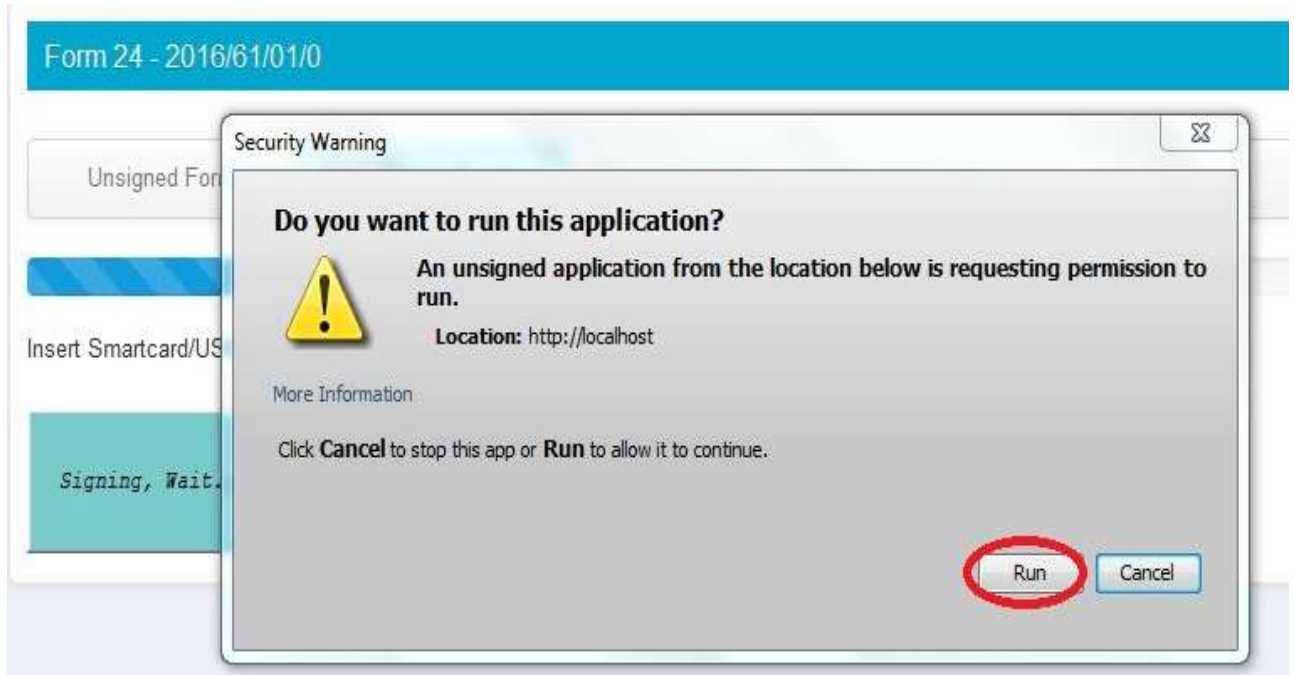
6. On completion the following screen will be displayed and you can continue with form signing

The screenshot shows the RRC Form 24 signing interface. At the top, a blue header bar contains the text "RRC : 2017/5/02 Form 24". Below this, a navigation bar contains four buttons: "Unsigned Form 24", "Apply Digital Signature" (which is highlighted), "Signed Form 24", and "Confirm & Forward". A progress bar is visible below the navigation bar. The main content area displays the text "DSC needs to registered once before using in RROnline Portal." followed by "Insert Smartcard/USB Key for DSC registration..". A teal box at the bottom of the main area contains the text "Successfully Registered". A "Message" dialog box is overlaid on the right side, containing an information icon, the text "Successfully Registered", and an "OK" button.

7. On selecting **Apply Digital Signature** tab, below screen will be displayed. Insert the smart card and click on **“Click To Sign”** button.

The screenshot shows the RRC Form 24 signing interface after selecting the "Apply Digital Signature" tab. The top blue header bar contains the text "Form 24 - 2016/61/01/0". Below this, a navigation bar contains four buttons: "Unsigned Form 24", "Apply Digital Signature" (which is highlighted), "Signed Form 24", and "Confirm & Forward". A progress bar is visible below the navigation bar. The main content area displays the text "Insert Smartcard/USB Key and Click Here to Apply Signature..". A teal box at the bottom of the main area contains the text "- Click To Sign -".

8. Applying digital signature may lead to some pop up messages containing security warnings as shown below. Please act according to the messages (**Allow, Run and Don't Block**) to continue signing process.





9. Enter pin code to proceed. If the implementation library file path is not appearing, browse and provide the appropriate path of .dll / .so file.
 - For Windows the file will be in Windows\SysWOW64" or "WINDOWS\system32" or "WINNT\system32"
 - For Linux machine the file will be in /usr/local/lib/ or /usr/lib/

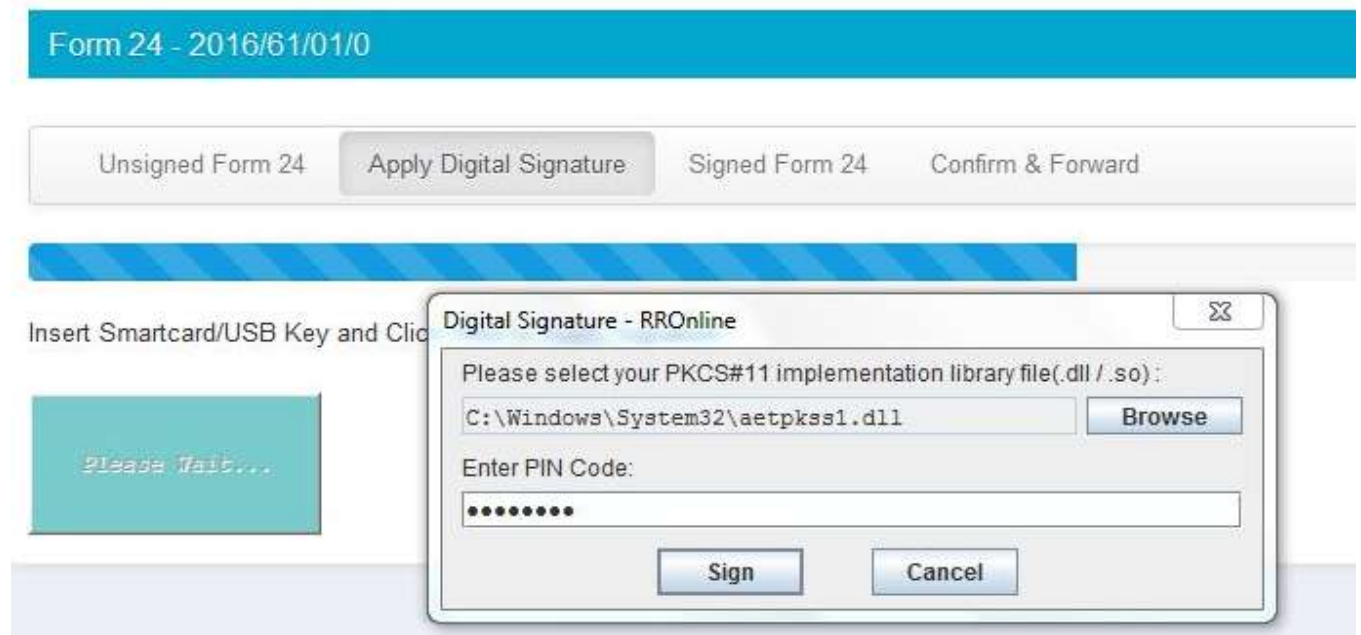
Selection of appropriate driver path (.dll / .so file) needs to be done once only.

Listed below are few DSC dll's

DSC Type	Library file (Windows)	Library file (Linux)
SafeSign	aetpkss1.dll	aetpkss1.so
eMudhra	eMudhra\emudhra CSP V1.0\wdpkcs.dll	WatchData/eMudhra_3.4.3/lib/libpkcs11 wrapper.so WatchData/eMudhra_3.4.3/lib/libwdpkcs_eMudhra_343.so
TRUST KEY	TRUST KEY\TRUST	WatchData/TRUSTKEY/lib/libpkcs11 wrapper.so WatchData/TRUSTKEY/lib/libwdpkcs_TRUSTKE

	KEY CSP V1.0\wdpkcs.dll	Y.so
Belgium eID MiddleWare	beidpkcs11.dll	beidpkcs11.so
Gemalto Cryptocard token	libgtop11dotnet. dll	libgtop11dotnet.so
EPass	eps2003csp11.d ll	
Aladdin e token	eTPKCS11.dll	
Safe net I key	dkck201.dll	
Starkey	aetpkss1.dll	
Proxkey	wdpkcs.dll	libwdpkcs_TRUSTKEY.so

(Note : DSC supplier can be contacted for identifying the appropriate dll for your dsc)



10. After verification of pin code, the certificate will be signed successfully.

The screenshot shows a web interface for Form 24. At the top, a blue header displays 'Form 24 - 2016/61/01/0'. Below this is a navigation bar with four buttons: 'Unsigned Form 24', 'Apply Digital Signature' (which is highlighted with a grey background), 'Signed Form 24', and 'Confirm & Forward'. A blue progress bar is partially filled. Below the progress bar, the text reads 'Insert Smartcard/USB Key and Click Here to Apply Signature...'. At the bottom, a green box contains the text 'Successfully Signed'.

11. Signed certificate can be viewed / downloaded on selecting “Signed form” tab.

The screenshot shows a digital document viewer displaying a signed Form 24. The top navigation bar has four buttons: 'Unsigned Form 24', 'Apply Digital Signature', 'Signed Form 24' (circled in red), and 'Confirm & Forward'. Below the navigation bar is a toolbar with various icons for document manipulation, including a 'Signature Panel' icon. A status bar at the top of the document area reads 'Signed and all signatures are valid.' The main content of the document is as follows:
Req No :2016/61/01 **Date: 17/10/2016**
FORM-24
[See Section 69 (2)]
Requisition for recovery of amount other than Public Revenue due on land which is recoverable under the act

Where as
1) ram,S/O raman,ram nivas,vanchiyur,vanchiyur-651232 (Type : Principal debtor)
[District :Thiruvananthapuram, Taluk :Thiruvananthapuram, Village :Vanchiyur]

**To view Digitally Signed Certificate in browser,
configure Firefox as shown below**

Select options → Applications → type “pdf” in search bar and select
“Use Adobe Acrobat (in Firefox)”

