**For resolving the issue we have followed the below steps,**

1. Setup ulimit for files and other components for jenkins2 user
2. set full ownership to jenkins2 on /opt/TAFJ and /t24/app respective sub-folders
3. Copied the java 1.7 from dev area to Jenkins area for TAFJ reference.
4. Changed the properties file accordingly
5. Kept compiler trace for information purpose(After our initial POC , this setup needs to be switch off)
6. Setup .profile(setup env vars) for jenkins2 user , this was done for verification if not needed can be removed.
7. Executed the .profile manually and compiled and got the results.

bash-4.2$ tCompile -cf conf/tafj.properties LBG.BP/A1

--------------------------------------------------------------------------------

Temenos TAFJ Compiler/Runner

TAFJCompiler.jar version "R16\_SP5.0"

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--------------------------------------------------------------------------------

Java Version = pxa6470\_27sr3fp60ifx-20161110\_01 (SR3 FP60+IV90630+IV90578)

Java File Encoding = UTF-8

Java Home = /t24/java\_1.7.1\_64/jre

Java Classpath = Java(TM) SE Runtime Environment

--------------------------------------------------------------------------------

User Name = jenkins2

Current Dir = /opt/TAFJ

--------------------------------------------------------------------------------

OS Type = Linux

--------------------------------------------------------------------------------

TAFJ\_HOME   = /opt/TAFJ

bash-4.2$ tShow -cf /opt/TAFJ/conf/tafj.properties A1

Home : '/opt/TAFJ'

- Project : '/opt/TAFJ/conf/tafj'  [ FOUND ]

             BASIC source : '/opt/TAFJ/LBG.BP/A1'

            BASIC package : ''

          BASIC Import(s) : 'com.temenos.t24'

               JAVA class : '/opt/TAFJ/data/tafj/classes/com/temenos/t24/A1\_cl.class'

             Compiled the : 26 Oct 2017 21:52:23

                       on : appxuv04bf

       Compiled with TAFJ : R16\_SP5.0

                Timestamp : 1509051143865

                  Grammar : 3

Include Basic Replacement : false

Checking dependencies ...

Check completed

bash-4.2$ cd /t24/app

bash-4.2$ cd loclib

bash-4.2$ ls -ltr

total 16536

-rwxrwxrwx 1      777 jenkins2 16921973 Oct 25 12:15 T24\_NoPackage.jar.bak

-rw-r--r-- 1 jenkins2 jenkins2     5412 Oct 26 21:52 T24\_NoPackage.jar

From Jenkins application side , we have to inform them the following,

1.) Make all the necessary environmental variables set during execution.

2.) Make the loclib as mentioned above path shall have full rights as in build.sh it is tried to access this location and files

3) Use tafj.properties for compilation should be done at script level as we used above with –cf option

4) Stop Jenkins application

5) Restart the application and test.

Note: don’t remove the dot file from loclib

Hope the above solution shall work, if not necessary steps have to be taken from Jenkins side as from TAFJ level we are able to generate the jars without any issue.