Procedure

for

Backup & Restoration of Data

of

Waqf Estate & Waqf Property Archived Documents Management System

[WAMSI-DMS]

Minorities Affairs Informatics Division
National Informatics Centre (HQ), Government of India
New Delhi
Procedure
For
Backup & Restoration of Data
of
Waqf Estate & Waqf Property Archived
Documents Management System
[WAMSI-DMS]

NIC-MoMA-WAMSI-DMS-SW-BRP-DOCv1.0

Prepared by:
Project Management Unit (Waqf), NIC (HQ), New Delhi

Reviewed by:
Mr. Naeem Ahmed, Technical Director, NIC (HQ), New Delhi

Approved by:
Mr. Sanjay S. Gahlout, DDG (NIC) &
Chairman (Project Management Committee) of WAMSI

All right reserved. No part of this document, including interior design,
cover design and icons, may be reproduced or transmitted in any form, by
any means (i.e., electronic, photocopying, recording, or otherwise) without
the prior written permission of the
Director General, National Informatics Centre, New Delhi
## Amendment Log

<table>
<thead>
<tr>
<th>Version No.</th>
<th>Date</th>
<th>Change Number</th>
<th>Brief Description</th>
<th>Section Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>01-May-2011</td>
<td></td>
<td>Backup &amp; Restoration of Data of WAMSI-DMS</td>
<td></td>
</tr>
<tr>
<td>Table of Contents</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Executive Summary</td>
<td>-----------------------------</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Procedure 1: Exporting Records of WAMSI-DMS</td>
<td>-------------------</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Procedure 2: Backup of Whole Database, Installation folder and WAMSI-DMS Source code</td>
<td>----------------</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Restoration of Backup of WAMSI-DMS (Proc. 1)</td>
<td>----------------</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Restoration of Backup of WAMSI-DMS (Proc. 2)</td>
<td>----------------</td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
How to take WAMSI-DMS Back Up

User may take the backup in two ways, first by exporting all the records to a new safe destination Directory and secondly by taking the backup of whole Database, installation folder and WAMSI-DMS source code

Procedure 1: Exporting Records from the Existing WAMSI-DMS to a new Destination Directory

- Create a New Folder in D Drive on the name of SWB & the current date i.e. if back up is being taken by Haryana WB on 15th April 2011 then folder should be named as exported_data_hr_15april2011

- Go to the Installation directory of WAMSI DMS, which is D:\haryana\bin
Run the following command

drsun org.dspace.app.itemexport.ItemExport --type=COLLECTION --id=123456789/2 --dest=D:\exported_data_hr_15april2011 --number=1
Once finished, the Data in Destination Directory will be displayed as below.

**Procedure 2: Taking the backup of whole Database, installation folder and WAMSI-DMS source code**

- Open **pgAdmin III** & then click on the PostgreSQL Database Server to select connect option:

- Enter the Password "postgres123" & click “OK” Button
Right click on the Database hr and click the Backup option
Select the path of the backup file where user want to save this and also give the name of the backup file as haryna_dms_backup_15april2011 and click ok.
‘Process returned exit code 0’ denotes back up taken successfully

- Copy backup file, installation directory (i.e. **haryana**) and wamsi-dms source code (i.e., **wamsi-dms-v1.x-hr**) in another directory to be named as **complete_backup_of_haryana**
Restoration of the Backup

Steps for the Restoration from the First Backup Procedure

(Procedure 1: Exporting Records from the Existing WAMSI-DMS to a new Destination Directory)

- **Step 1:** Reinstall the WAMSI-DMS along with all the necessary software. For complete Installations please refer the Document WAMSI-DMS-Docs-v1.x.x.pdf already provided by NIC-PMU(Waqf).
- **Step 2:** Import Exported Records (Dublin Core Structures) from the backup folder *exported_data_hr_15april2011* into freshly installed WAMSI-DMS with the following steps:
  
  - Run Command prompt
  - Type *D:\*
  - Type *cd haryana*

  *(Note: *haryana* folder is already created by the process of "ant fresh_install" for Haryana SWB, for other SWBs contact NIC-PMU or see it through *Windows Explorer* for sub-directories in *D:\* resembling your SWB Name)*

  - Type *cd bin*

  - Run the following command

    `dsrun org.dspace.app.itemimport.ItemImport --add --eperson=dspace@localhost.localdomain --collection=123456789/2 --source=D:\exported_data_hr_15april2011 --mapfile=D:\Exported_mapfile\exported_mapfile15april2011`

  Where:
  - **source** is the path of the Exported Output folder i.e. *Exported_data_hr_15april2011*
mapfile “Exported_mapfile” sub-folder to be created in D:\.

User can cross check the successful import by login into the WAMSI-DMS and Browse/Search the imported Documents through Metadata Fields.
* Sets of Username & Password with different privileges for logging into WAMSI-DMS System are already sent to SWBs over email.
Steps for the Restoration from the Second Backup Procedure
(Procedure 2: Taking the backup of whole Database, installation folder and WAMSI-DMS source code)

- Copy the installation folder i.e., haryana from the Final Directory i.e. complete_backup_of_haryana having the Database backup file, installation folder and WAMSI-DMS source folder and paste it into D drive.

- Restore the Database Backup: Open pgAdmin III & then click on the PostgreSQL Database Server to select connect option:
- Enter the Password "postgres123" & click “OK” Button

- Create New Login: Right click on the Login Role for creating a New Login Role for DMS database

- Create Role name *dspace* then enter and re-enter Password *dspace*
Login Role for DMS database created

- Create Database: Right click on the Database and select New Database option

- Create a database (e.g., hr for haryana SWB) owned by the user “dspace”, with UTF-8 encoding
Database “hr” successfully created

- Right click of the Database hr and click the Restore option
Select path of the backup file which is to be restored (i.e., `haryna_dms_backup_15april2011`) and click open button then click ok.
➢ It should return exit code 1. After that click Cancel.

➢ Database for wamsi-dms is restored.
- Copy the source code of the WAMSI-DMS (e.g., wamsi-dmsv1.x-hr for Haryana WB) provided by NIC-PMU into D drive.
- Open Command Prompt & Go to WAMSI-DMS Source code using command D: \ and then cd wamsi-dms-v1.x-hr

- Run `ant update`

The Command Prompt should return **BUILD SUCCESSFUL**
Go to build folder using `cd build` command

- User to run the following command

  ```
  Copy dspace.war “C:\Program Files\Apache Software Foundation\Tomcat5.5\webapps\”hr.war
  ```

- Restart the Tomcat Services.
On Restarting, User may now browse through WAMSI-DMS

* Sets of Username & Password with different privileges for logging into WAMSI-DMS System are already sent to SWB over email.

For any suggestion to improve the content of this Document, please write to:
Project Management Unit (Waqf)
National Informatics Centre (HQRS),
A3B4 Bay, 3rd Floor, A-Block, CGO Complex,
Lodhi Road, New Delhi-110003 (India)
Email: nicpmu@wakf.gov.in, Telephone: 91-11-24305348