

Policy > Standards > Infrastructure > Sustenance ...



Pune

Centre of Excellence for Digital Preservation

Human-Centred Design & Computing Group



Department of Information Technology, Government of India





4.8 cr pages from govt files untraced Sharad Vyas

SAVE AS

Sharad Vyas & Sandeep Ashar | TNN

day after the Mantralava inferno, the state government was struggling to track nearly 4.82 crore data pages stored in the 57-year-old building. The records were supposed to be digitised as part of a programme launched in 2010 but could not bebecause of "the slowness of the process".

Till March this year, officials said, 3.18 crore data pages-or40% of the total 8 crore leaves - had been scanned and backed up in electronic form. Forming 10 terabyte of data, the pages belonged to records of critical departments, including urban development (UD), housing, home, general administration and environment. Specifically 12.5 lakh pages from the UD department, 34 lakh from the home department and 37 lakh from the general administration department had been digitised. The process progressed slowly because there was not enough space in process," said an official. the secretariat.

	blaze. (Owing to a dig ars ago, many	e, not all was lost itisation project ti documents belon wed in electronic	hat began ging to vital
		Pages scann	ed until March 3	.18 cr
	be digitised BCC (approx)	Files scanned 2.27 lakh Cost incurred so far ₹4.5 CT	Work completed 40% Files stored at Centres in Navi Mumbai and Sion	Files relating to Urban Development, Home, General Administration, Environment, and Housing departments
		Pages yet	to be scanned 4	.82 cr
E. L	Work s	till unfinished 60%	Files relating to En Works, Industries, L Public Health depart	

rate place for scanning docu- many of the remaining 4.82 hindsight, we could say that the may be in. ments, we had to carry out the crore pages could probably process' pace could have been exercise in offices of the departments, which delayed the ments were stored in four re- equipped to deal with fire," said Had the digitisation pro-

"In the absence of a sepa- gressed at the right pace, adequately fireproofed. "In predict the state the documents to destroy crucial documents D'souza)

have been saved. The docufaster and storerooms better cord rooms and various de- another senior official. He addpartments, which were not ed that it would be difficult to

Conspiracy theories of sabotage abounded soon after a blaze broke out at Mantralaya on Thursday afternoon, Many wondered if the fire was started

relating to Adarsh and other high-profile cases. Officials. however, argued that no important data was lost since the major departments were covered in the digitisation programme. Only smaller departments such as transport and tourism were left.

The digitisation was started by the Directorate of Information Technology (DIT) in 2010. A second tender was issued this year and the contract awarded to Navi Mumbai-based Sifv Technologies on May 8. For the process, a data centre was created in the new administrative building opposite Mantralaya. But after the inferno, DIT mirrored all 10 terabytes of data on Thursday night and stored in two new centres at Navi Mumbai and Sion.

Chief minister Prithviraj Chavan said on Friday that the state will undertake a massive exercise to rescue files and documents not burnt in the fire and to recreate or restore those that got charred. Nearly 30% (about 1.55 lakh sq ft) of the total builtup area of Mantralaya was affected by the inferno.

(With inputs from Savio



Department of Information Technology, Government of India









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TECHNOLOGIES



Scope of CoE-DP Project







Clarity on what needs to be preserved Legacy data not in condition for preservation Process definition for new data



Pre-SIP Processing

Data alignment activity

- format conversion
- schema design
- Mapping of datatable with schemas

Creation of SIPs

- Digital object formation
- XML generation
- Resolve PKI issues

Batch processing of SIPs

Process alignment for e-records production



Pre-SIP Processing

Data alignment activity

- format conversion
- mapping with metadata standards
- assign object IDs
- XML generation

Complete the SIPs as per the template Quality assurance for SIPs Process alignment



SD4 Webportal for National Digital Preservation Programme www.ndpp.in



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YOUR SEARCH Q	UERY: Welcome Guest Logout
ELECT THE CATEGORY	FOR RETENTION RULES
etention rules	Substantive Functions Of Ministry Of Labour & Employment Directorate General Of Employment & Training
Section Name	ALL
Duration options	Select ^ ALL Advance Vocational Training Schemes/Technical Stores (AVTS) Section Apprenticeship Programme (AP) Section
Keyword	Central Employment Exchange (CEE) Section Central Project Implementation Unit (CPIU) Curricular Development (CD) Section Coordination Section Employment Exchange-I (EE-I) Section Employment Exchange-II(EE-II) Section
	Employment Marketing Information (EMI) Division. Evaluation And Implementation (E&I) Section Vigilance & Foreign Training Assignments (VFTA) Section Man Power (General) Section Planning Cell Training (PCT) Section
	Planning Cell (Employment) (PCE) Section Statistical Section Survey & Study Division Training Craftsmen (TC-I) Section Training Craftsmen - Desk (TC-II) Section

Digital Preservation Estimation Tool

Features:

- Select retention rules
- Search record types
- Select and quantify
- Define format specs
- Define AIP specs
- Produce storage estimate
- Produce cost estimate
- Produce time estimate

Designed and developed by HCDC, C-DAC



Designed & Developed By

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Digital Preservation Estimation tool Beta

YOUR SEARCH QUERY: Welcome Guest Logout RETENTION PERIOD All retention years SEARCH RESULT Sort by -DETAILED VIEW NO. OF RECORDS FOR ESTIMATION :1739 174 / 174 FIRST « PREV NEXT » LAST RECORDS NAME RETENTION PERIOD NO. Adaptation of general Aptitude Test Battery : Modification 1731 25 year 1 Preparation of software in respect of Educational and Vocational facilities available for the unemployed youth. 1732 25 year Training Programme: Vocational/Industrial Training in Rural Administration etc.: Schemes under various Training 1733 25 year Programmes Plan Schemes - National / International : Opening of Vocational Training Institutions/Model Training Institutions 1 1734 25 year Advance Vocational Training Schemes : Policy matters regarding the project.i.e. Project Agreements/ Expansion/Introduction of Projects/Assistance of ILO in formulation of the Projects/Development Programmes and their 1735 25 year implementations. 1 1736 Pay Bill register. 35 year Office copies of Establishment pay bills and related schedules (in respect of period for which pay bill register is not 1737 35 year maintained). Pay Bill Register 1738 35 year Office copies of establishment pay bills and related schedules (in respect of period for which Pay Bill Register is not 1739 35 year 1 maintained. BACK TO SEARCH VIEW ESTIMATION LIST



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Digital Preservation Estimation tool Beta

YOUR SEARCH QUERY: Welcome Guest Logout RETENTION PERIOD All retention years -SEARCH RESULT Sort by DETAILED VIEW NO. OF RECORDS FOR ESTIMATION :1739 40 / 174 NEXT » FIRST « PREV LAST NO. RECORDS NAME RETENTION PERIOD General staff welfare measures : Broad aspects 1 391 Permanent General staff welfare measures : CSS (Recognition of Service Association) Rules 392 Permanent General staff welfare measures : Recognition of Association (individual cases) 393 Permanent Departmental council / office council : General aspects/ instructions 394 1 Permanent Departmental council / office council : Staff Union/Association : Recognition 395 Permanent Grants-in-aid : General aspects 396 1 Permanent Creation and classification of posts : Revision of scales of pay 397 Permanent Co-operative Societies : Rules and bye-laws (general aspects) 398 Permanent Recruitment : Recruitment (general aspects) including provisions of the Constitution 399 Permanent Recruitment : UPSC (Exemption from Consultation) Regulations 400 Permanent BACK TO SEARCH VIEW ESTIMATION LIST

Designed and developed by HCDC, C-DAC



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ESTIMATION LIST:

Welcome Guest Logout

RETE	ENTION PERIOD WISE STORAGE : ALL	DE	TAILED VIEW	NO. OF RECORDS FOR ESTIM	ATION: 7	FIRST « PREV 1/1 NEXT	» LAST
	RECORDS NAME	SETTINGS	NO. OF FILES	PAGES (AVG/DOC)	SIZE(GB)	RETENTION PERIOD	REMOVE
	General staff welfare measures : Broad aspects		53	132	100.78 CALCULATE	Permanent	×
	Grants-in-aid : General aspects		40	145	83.55 CALCULATE	Permanent	×
	Office copies of establishment pay bills and related schedules (in respect of period for which Pay Bill Register is not maintained.		145	167	87.21 CALCULATE	35 year	×
	Adaptation of general Aptitude Test Battery : Modification		578	154	320.57 CALCULATE	25 year	×
	Plan Schemes - National/ International : Opening of Vocational Training Institutions/Model Training Institutions		445	200	320.53 CALCULATE	25 year	×
	Departmental council / office council : General aspects/ instructions	EX.	45	47	30.47 CALCULATE	Permanent	×
	Pay Bill register.		167	157	94.43 CALCULATE	35 year	×
				ADD MORE	E RECORDS AD		NEW LIST



Digital Preservation Estimation tool Beta

ESTIMATION LIST:

Welcome Guest Logout

RET	ENTION PERIOD WISE STORAGE : ALL	DE	TAILED VIEW	NO. OF RECORDS FOR ESTIN	MATION: 7	FIRST « PREV 1/1 NE	XT » LAST
	RECORDS NAME	SETTINGS	NO. OF FILES	PAGES (AVG/DOC)	SIZE(GB)	RETENTION PERIOD	REMOVE
	General staff welfare measures : Broad aspects		53	132	100.78 CALCULATE	Permanent	×
	Grants-in-aid : General aspects		40	145	83.55 CALCULATE	Permanent	×
	Office copies of establishment pay bills and related schedules (in respect of period for which Pay Bill Register is not		145	167	87.21 CALCULATE	35 year	×
STOR	AGE REQUIRED:			TOTAL SIZE OF CALCULATE	D RECORDS: 1.01 TB	SIZE IN	TB
MEDI	A					CAPACITY	NUMBER
CD						700 MB	1518
DVD	(SINGLE LAYER)					4.7 GB	221
DVD	(DOUBLE LAYER)					8.5 GB	123
BLU-I	RAY (SINGLE LAYER)					25 GB	42
BLU-I	RAY (DOUBLE LAYER)					50 GB	21
TAPE	(DAT 72)					36 GB	29
BA	ск						PRINT



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No.of Records for Archival 7					
Size of Records 1.01 TB / 1037.55 GB					
S.No	Record Name	Retention Period	Size (GB)		
1	General staff welfare measures : Broad aspects	Permanent	100.78		
2	Grants-in-aid : General aspects	Permanent	83.55		
3	Office copies of establishment pay bills and related schedules (in respect of period for which Pay Bill Register is not maintained.	35 year	87.21		
4	Adaptation of general Aptitude Test Battery : Modification	25 year	320.57		
5	Plan Schemes - National/ International : Opening of Vocational Training Institutions/Model Training Institutions	25 year	320.53		
6	Departmental council / office council : General aspects/ instructions	Permanent	30.47		
7	Pay Bill register.	35 year	94.43		

Storage media Required

MEDIA	CAPACITY	REQUIRED
CD	700 MB	1518
DVD (SINGLE LAYER)	4.7 GB	221
DVD (DOUBLE LAYER)	8.5 GB	123
BLU-RAY (SINGLE LAYER)	25 GB	42
BLU-RAY (DOUBLE LAYER)	50 GB	21









Types of Database Records

- Fixed information / values / content
 stored in the database represented as a
 document
- Calculated values derived from the database using the business logic – represented as a document
- Incrementally growing transactional records (transactions reach the end of life cycle but the record continues to evolve)



E-record Management Lifecycle: Indian e-Governance Scenario













Draft standards developed during 2011-2012

Production of Preservable e-Records (PROPeR: Best Practices & Guidelines)

Version 0.1

- Fixed digital object
- Consistent and logical name
- Archival format specification
- Logical and conceptual representation
- Authenticity
- Preservation information





Draft standards developed during 2011-2012

e-Governance Standard for Preservation Information Documentation of Electronic Records

Version 0.1

(e-Gov SPIDeR: Metadata Dictionary & Schema)

- Cataloging information
- Enclosure information
- Provenance information
- Fixity information
- Representation information
- Digital signature information
- Access rights information







Home
Partner Organizations

Tuesday, 05 April 2011 12:13

Our Partner Organizations

CENTRE OF EXCELLENCE FOR Sponsored by Department of Information Technology Preserving Our Digital Universe For Access

Pune

Organizations 011 12:13	:: Login
anizations	Username
Centre for Development of Advanced Computing (C-DAC), Pune Centre of Excellence for Digital Preservation	Password
National e-Governance Action Plan (NeGP), Department of Information Technology, New Delhi	RESET LOGIN
National Informatics Centre, Lucknow	Forgot password? Forgot username?
National Archives of India, New Delhi	: Polls



Indira Gandhi National Centre for Arts, New Delhi

Centre for Development of Advanced Computing (C-DAC), <u>Noida</u>



Delhi High Court, New Delhi

National Study Report

Centre of Excellence

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Events

ICLAM, 2011

National Meet, 2010

Indo-Us Workshop, 2009

National Workshop, 2008

Research Publications

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Resources

Photo Gallery



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search...

Do the government/ private organizations have a documented preservation policy for the archival of the records generated by them?

Yes, we follow the preservation policy. It is available but not practiced.



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Thank You 🙂



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