

National Mission on Libraries
Working Group on the Setting up of the National Virtual Library, Networking and
ICT Applications in Libraries

Minutes of the first meeting of the Working Group which was held on Wednesday, January 9, 2013 at DELNET.

The following attended:

1.	Dr. H. K. Kaul	<i>Chairman</i>
2.	Prof. A. R. D. Prasad	<i>Member</i>
3.	Mr. K. K. Banerjee	„
4.	Prof. Jagtar Singh	„
5.	Dr. E. Rama Reddy	„
6.	Ms. Neeta Verma	„
7.	Dr. Sangeeta Kaul	„
8.	Ms. Amrita Patwardhan	<i>Special Invitee</i>

Item 1 Confirmation of the Minutes of the Previous Meeting

Minutes of the first meeting of the Working Group held on Thursday, July 5, 2012 at DELNET were confirmed.

Item 2 Draft Report for EFC

Members discussed the draft report of the Working Group on modernization and networking of libraries and offered suggestions. The suggestions were incorporated in the report. The EFC report is given in Appendix I.

Item 3 NKN Connectivity to Public Libraries

The Group desired that the Secretary, Ministry of Culture may kindly write to the National Knowledge Network to offer network connectivity to all those libraries which are selected for modernization and networking by the Mission.

Item 4 Purchase of Hardware

The Group recommended that the Mission may purchase hardware through NICSII and the get the rate card to evaluate the budget to be submitted in the EFC report.

The Group recommended that:

1. The hardware be purchased from NICSII and be also distributed by NICSII to selected libraries;
2. The specifications of the hardware be kindly evaluated by Mrs. Verma. She was requested to send the revised specifications soon.
3. Mrs. Verma may also provide the rate card of NICSII for calculating the cost involved on hardware;
4. The use of Cloud servers be discussed at a later stage when the cloud technology in India gets fully tested and the staff in public libraries become capable of handling the cloud technology.
5. At this stage client-server hardware be used.
6. Ten to twenty clients be provided to a State Centre Library. The number of clients to be given to each State Centre Library be finalized by the Mission after evaluating the statistical profile of each library.
7. Two servers be offered to each State Centre Library.
8. Three to five clients be provided to a District Library. The number of clients to be given to each District Library be finalized by the Mission after evaluating the statistical profile of each District library.
9. Two servers be offered to each District Library.
10. The Mission may provide at least one to two stand alone computers to a village library selected for modernization and networking.

Item 5 National Virtual Library

Dr. A. R. D. Prasad gave a presentation on the National Virtual Library which included the introduction, overview, vision, objectives etc. The details are given in Appendix II & III. Mrs. Neeta Verma suggested that the established technologies be used and metadata standards be also finalized in advance. She added that NIC could provide the search engine facility for the National Virtual Library.

Dr. Prasad was requested to give a complete concept note for approval by the Mission. Dr. Prasad said that the report will be presented within a period of one month.

The meeting ended with a vote of thanks to the Chair.

National Mission on Libraries

Networking and ICT Application in Libraries

Project Proposal in EFC Format

1. Project identification

1.1 Title of the project/ scheme:

National Mission on Libraries - **Networking and ICT Applications in Libraries**

1.2 Name of the sponsoring agency (Ministry/ Department/ Autonomous Body/ Central PSE):

Ministry of Culture, Government of India

1.3 Proposed duration of the project

The project is proposed to be a continuous one. At this stage the budget is submitted for the current Plan Period.

1.4 Total cost of the project over the proposed duration

2. Project Status

2.1 Please indicate which category the project belongs to:

(a) Continuing scheme from past Plan periods and included in current Plan period.

Networking and ICT Applications in Libraries

(b) New Plan Scheme included in the current Plan period

(c) New Plan scheme not included in the current Plan period

(d) RCE proposal

2.2 If project pertains to category 2.1 (a), please summarise the benefits already accrued and expenditure already incurred along with an independent evaluation of the past performance of the project scheme.

2.3 If the project pertains to category 2.1 (c), please indicate steps initiated for obtaining approval of Full Planning Commission.

3. Justification for the project

In order to reduce unemployment, empower poor sections of society to use information and knowledge resources, facilitate access to information available in India and other parts of the world and lay the basic infrastructure for a knowledge society it is proposed to modernize libraries and network them. Libraries are the best places for accessing selected and appropriate information resources. There is no proper data available on the number of public libraries in India and the status of their infrastructure, staff, resources and services. According to the rough estimates published in reports there are about 54,000 public libraries in the country. This does not include the libraries in villages and panchayats established during the last two decades by some State Governments.

The condition of public libraries in the country is not satisfactory. In most of them there is the shortage of infrastructure, lack of modernization and networking, lack of funds to acquire latest print and online resources, lack of properly trained staff among other deficiencies. The Information and Communication Technologies have given rise to the growth of more information and knowledge resources but these resources do not reach public. While information technology can be used for effective collection, storage and dissemination of information, yet most of the public libraries are unable to make use of it. The public libraries therefore need to be modernized. Many publications are now becoming available only in electronic formats. Since public libraries are not modernized they can not access such information. A major gap has therefore emerged between the information needs of public and the resources available on such issues in libraries. This gap needs to be filled in. Proper information access for public in libraries will lay the foundations for a knowledge-based society in India.

3.1 The justification for taking up/ continuing the project or scheme may be provided.

As the population has crossed 121 crores and the number of villages are around 6,38,000 in number, the small number of libraries selected in this project is just the beginning to serve a large number of public. The project therefore has to be a continuous one.

3.2 The alternatives that have been considered before firming up the design of the project may be stated. (This should also include alternate modes of project delivery, e.g. outsourcing PPP etc. that have been considered).

No alternative have been considered so far. It is the first initiative launched by the Prime Minister of India.

3.3 Please state whether the project proposal has objectives and coverage which overlap with projects/ schemes being implemented by the same or another agency (Ministry/ Department/ State government). In cases of overlap, please state why the project scheme needs to be considered as a separate stand alone effort.

There is no overlap of this project with any other existing project.

4. Project Objectives and targets

4.1 The objectives of the project may be mentioned. These objectives should flow from the project justification.

The modernized and networked libraries will:

- i. offer information services to users in all disciplines in the Social Sciences, Humanities and Science and Technology;
- ii. to start with, empower libraries to get access immediately through DELNET to one crore and forty lakh records of books, journals, articles, etc.
- iii. be able to get photocopies of articles, chapter in books and borrow books on loan from different parts of the country;
- iv. get access to many online full text resources;
- v. provide Internet/Web and e-mail facilities to public;
- vi. be able to get staff trained in accessing online resources and other ICT applications in libraries;
- vii. be able to attract more and more public to each library;
- viii. be able to get cataloguing of books, journals and other resources done;
- ix. get reference service to help public in finding appropriate resources for them for study and research.

Modernisation and networking of libraries will gradually begin to transform library services and public will benefit from such services.

4.2 The expected date of project/ scheme completion may be stated. This should be realistic and supported with a chart indicating timelines for the important activities, with a critical path analysis, identifying the main constraints.

	<i>Modernization</i>	<i>Networking</i>
2013-14	2,500 libraries	2,500 libraries
2014-15	2,500 ,,	2,500 ,,

2015-16	2,500 ,,	2,500 ,,
2016-17	2,500 ,,	2,500 ,,
	10,000 ,,	10,000 ,,

This number could be increased significantly if financial resources become available.

4.3 The specific targets proposed to be achieved of the project/ scheme may be mentioned. These targets should be necessary measurable. These should also be monitor-able, against baseline data. The baseline may be indicated.

The National Mission on Libraries will make the selection of 10,000 libraries to be networked in a phased manner at the rate of 2,500 libraries per year starting from 2013. The details of execution are given in the next head under Project Design. The following are issues that will be taken care of in the project:

- i. Administrative Costs/Selection of Libraries
- ii. Infrastructure
 - a. Appropriate Space and Infrastructure
 - b. Hardware
 - c. Software
 - d. Internet Access
 - e. Consumables
- iii. Training
- iv. Networking
 - a. Login for accessing resources
 - b. Password for accessing resources; and
 - c. Password for accessing Inter-Library Loan Services
- v. Inter-Library Loan and Document Delivery Services
- vi. Cataloguing / Retro-conversion
 - a. Public Libraries with professional staff
 - b. Public libraries without professional staff
- vii. Reference Services
- viii. Methodology for Networking
- ix. Digitisation

5. Project design

5.1 Briefly explain the project Design. This should include all components of the project.

5.11 Administrative Costs/Selection of Libraries

The libraries to be modernized and networked will be identified by the National Mission on Libraries. The Mission will take into account the priorities of the State Governments and come out with the lists each year in advance. Since the scope of the

National Mission on Libraries includes all types of libraries, preference in the first few years will be given to all such libraries that offer library services to public. At least about 10,000 libraries will be selected during the first four years. These will include State Central Libraries, District Libraries, Village Libraries, Private Public Libraries, and other libraries that offer services to public.

5.12 Infrastructure

Each library that is selected for modernization and networking under the project should have the following infrastructure before getting networked:

Appropriate space and infrastructure in the library

Hardware

Software

Internet Access

Necessary stationary, ribbons, paper etc.

5.121 Appropriate Space and Infrastructure

The selection of libraries will be made in such a way that the libraries that have the space and infrastructure such as sufficient reading tables and chairs available at this stage and have important back-volumes of journals, newspapers and books available with them will be given preference to begin with. Thereafter other libraries will be included in the list.

5.122 Hardware

The hardware will be purchased from NICS I and it will also be distributed by NICS I to selected libraries; Ten to twenty clients will be provided to a State Centre Library. The exact number of clients to be given to each State Centre Library will be finalized by the Mission after evaluating the statistical profile of each library. Two servers be offered to each State Centre Library.

Three to five clients be provided to a District Library. The number of clients to be given to each District Library will be finalized by the Mission after evaluating the statistical profile of each District library. Two servers be offered to each District Library.

The Mission may provide at least one to two stand alone computers to a village library selected for modernization and networking.

A. State Central Library

Client System

Each client will be of the following specifications:

Low End Desktop-Windows)-
Desktop having Intel Core i3-2100 (3.1 GHz, dual core, 3MB Cache) /AMD Phenom II x4 955(3.20 Ghz, quad core, 8MB) or higher processor; Intel H61 Chipset / AMD 980G Chipset or higher; 2GB DDR-III 1333MHz or higher expandable upto 4 GB; Integrated sound and graphics controller, Gigabit Ethernet controller with IPv6 Compliant; 320GB or higher SATA II HDD 7200 rpm; DVD ROM drive; 104 Keys OEM Keyboard with rupee sign engraved and OEM Optical Scroll Mouse with Mouse pad; SFF chassis with volume less than 13.5 litres and with suitable power supply; TCO05 Certified 17" or higher TFT LCD Monitor with 5 ms or better response time; Antivirus software(latest version) with one year validity; preloaded with OEM Pack Windows 7 Professional, all necessary Plug-ns/utilities and driver software, bundled in CD/DVD Media
NICSI Price Rs. 33,251.00 all inclusive and 3 yr wrnty

Server System

Pedestal Server-One Processor
(Server having Intel Xeon E3-1220 (3.1GHz, 8MB Smart Cache) or higher, 16 GB DDRIII 1066 MHz or higher SDRAM Memory with ECC, Integrated Graphics controller, SATA Controller supporting RAID 0 & 1, Integrated Server Ethernet dual port Gigabit controller with full duplex, 2x500GB SATAII HDDs (7200 rpm or higher), Internal DVD ROM drive, TCO-05 certified 18.5 or higher TFT monitor, OEM keyboard & OEM optical mouse, remote management features over LAN & WAN, with Server Chassis having

Power Supply to sustain above configuration
with four internal hard disk drive bays,
Certification for Windows & Linux and with
five years on-site Comprehensive warranty Support.
NICS Price 73,140.00 all inclusive and 5 yr wrnty

LAN Setup

16 Port 10/100 Mbps 19 Rack mountable Switch - 2 K MAC Address 16 10/100 Mbps Ports Full Duplex, Auto MDI/MDI-X, IEEE 802.3, IEEE 802.3u, IEEE 802.3x--3000

3.24 Port 10/100/1000 Mbps (Gigabit) 19 Rack mountable Switch-8 K MAC Address 24 10/100/1000 Mbps Ports Full Duplex, Auto MDI/MDI-X, IEEE 802.3, IEEE 802.3u, IEEE 802.3x—Rs. 13500

B District Libraries

Each client will be of the following specifications:

Low End Desktop-Windows)-
Desktop having Intel Core i3-2100 (3.1 GHz, dual core, 3MB Cache) /AMD Phenom II x4 955(3.20 Ghz, quad core, 8MB) or higher processor; Intel H61 Chipset / AMD 980G Chipset or higher; 2GB DDR-III 1333MHz or higher expandable upto 4 GB; Integrated sound and graphics controller, Gigabit Ethernet controller with IPv6 Compliant; 320GB or higher SATA II HDD 7200 rpm; DVD ROM drive; 104 Keys OEM Keyboard with rupee sign engraved and OEM Optical Scroll Mouse with Mouse pad; SFF chassis with volume less than 13.5 litres and with suitable power supply; TCO05 Certified 17" or higher TFT LCD Monitor with 5 ms or better response time; Antivirus software(latest version) with one year validity; preloaded with OEM Pack Windows 7 Professional, all necessary Plug-ns/utilities and driver software, bundled in CD/DVD Media
NICS Price Rs. 33,251.00 all inclusive and 3 yr wrnty

Server System

Pedestal Server-One Processor
(Server having Intel Xeon E3-1220 (3.1GHz, 8MB Smart Cache) or higher, 16 GB DDRIII 1066 MHz or higher SDRAM Memory with ECC, Integrated Graphics controller,

SATA Controller supporting RAID 0 & 1, Integrated Server Ethernet dual port Gigabit controller with full duplex, 2x500GB SATAII HDDs (7200 rpm or higher), Internal DVD ROM drive, TCO-05 certified 18.5 or higher TFT monitor, OEM keyboard & OEM optical mouse, remote management features over LAN & WAN, with Server Chassis having Power Supply to sustain above configuration with four internal hard disk drive bays, Certification for Windows & Linux and with five years on-site Comprehensive warranty Support. NICS Price 73,140.00 all inclusive and 5 yr wrnty

LAN Setup

8 Port 10/100 Mbps Switch - 1 K MAC Address 8 10/100 Mbps Ports Full Duplex, Auto MDI/MDI-X, IEEE 802.3, IEEE 802.3u, IEEE 802.3x Rs.1350

C Other Libraries

Each computer client will be of the following specifications:

Low End Desktop-Windows)-
Desktop having Intel Core i3-2100 (3.1 GHz, dual core, 3MB Cache) /AMD Phenom II x4 955(3.20 Ghz, quad core, 8MB) or higher processor; Intel H61 Chipset / AMD 980G Chipset or higher; 2GB DDR-III 1333MHz or higher expandable upto 4 GB; Integrated sound and graphics controller, Gigabit Ethernet controller with IPv6 Compliant; 320GB or higher SATA II HDD 7200 rpm; DVD ROM drive; 104 Keys OEM Keyboard with rupee sign engraved and OEM Optical Scroll Mouse with Mouse pad; SFF chassis with volume less than 13.5 litres and with suitable power supply; TCO05 Certified 17" or higher TFT LCD Monitor with 5 ms or better response time; Antivirus software(latest version) with one year validity; preloaded with OEM Pack Windows 7 Professional, all necessary Plug-ns/utilities and driver software, bundled in CD/DVD Media
NICS Price Rs. 33,251.00 all inclusive and 3 yr wrnty

5.123 Software

Customised version of the Open Source Library Management Software KOHA will be provided to each library. Annual maintenance support for Library Management Software KOHA will be offered for libraries. Training in the use of KOHA software, etc. will also be provided.

5.124 Internet Access

National Knowledge Network (NKN) will be requested to provide Internet connectivity to libraries selected by the National Mission on Libraries for modernization and networking. If there is any delay in getting Internet access through NKN, for the first year, each library will be asked to get the Internet connection locally and they will be paid for the service hired. NML will write to NKN in this connection immediately.

5.125 Consumables

A fixed amount will be offered to each library towards consumables per year.

5.13 Training

Training will be provided to all technical staff of libraries selected for modernization and networking purposes. A separate project on Training of Library and Information Science Professionals is being submitted.

5.14 Networking of Libraries

The Mission has resolved that DELNET resources from more than four thousand libraries amounting to one crore and forty lakh records of books, journals, articles, theses and dissertations, video-recordings, sound-recordings besides full text online resources should become available to libraries selected for modernization and networking right from the beginning. DELNET will offer to each library:

- a. Login for accessing resources
- b. Password for accessing resources; and
- c. Password for accessing Inter-Library Loan Services

5.15 Inter-Library Loan and Document Delivery Services

Inter-Library Loan facility from more than 4200 member-libraries of DELNET will become available to each library. Libraries can borrow books, request for photocopies of articles, chapters etc. Document Delivery Service through DELNET will be available on a daily basis.

5.16 Cataloguing / Retro-conversion

The public libraries that will be networked would be of two types :

- a. Public libraries with professional staff; and
- b. Public libraries without professional staff

a. **Public Libraries with professional staff**

Public libraries with professional staff could begin cataloguing publications in their libraries and start sending catalogued entries for merging into the Union Catalogues and Union Lists. The networking will become more effective when catalogued information about the resources available in libraries becomes available for use to users/libraries through the union catalogues. There is a greater hope that the Libraries with professional staff would be able to create catalogued records with training and guidance.

b. **Public libraries without professional staff**

Public libraries without professional staff will be given training in using online resources. Agencies will be identified to catalogue resources available in such libraries. A separate procedure will be adopted for such libraries.

5.17 Reference Services

It would be important to enthuse librarians working in libraries to provide reference services to public. In providing this service to public, DELNET will assist each library that needs information, guidance and help.

5.18 Methodology for Networking

The following procedure will be adopted:

- i. Libraries having proper infrastructure including computers, Internet access, reading room facilities will be identified in the first place;
- ii. Computer hardware, software, Internet etc. will be offered to selected libraries in consultation with the State Governments for modernization and networking;
- iii. DELNET will be given the lists of such libraries to be networked;
- iv. DELNET will send the necessary documents to the Heads of each selected library. This is done to identify staff that will be responsible for offering services, receiving and returning books and other documents and for identifying staff for training etc.

- v. On receipt of the documents from libraries duly filled in DELNET will allot a special Logins and Passwords to the libraries and send the necessary instruction, and advise them to begin using the services.
- vi. DELNET will also allot password for availing Inter-Library Loan (ILL) facility.
- vii. DELNET will send a customised version of KOHA Library Management Software to each library.
- viii. Training programmes for professional from selected libraries.
- ix. Proper back-up support for reference services, queries etc. be taken care of by DELNET.

5.19 Digitisation

The digitization work in selected libraries will be taken up in such libraries which are modernized and networked. It will be taken up after the selected titles for digitization are identified. The work will be outsourced to agencies specializing in the field.

5.2 In case the project or scheme is location specific, please state the basis for selection of such location.

5.3 if the project involves creation/ modification of structural and engineering assets or change in land use plans, disaster management concerns as brought out in OM no. 37(4)/PF-II/2003 dated 19-06-2009 should be assessed. A self-certification in this regard may be enclosed with the EFC memo.

5.4 In case of beneficiary oriented project/ scheme, the mechanism for identification of the beneficiary and the linkage of beneficiary identification with UID numbers may be indicated as advised in O.M. No. 1(3)/PF-II/2001 dated 09.08.2010.

5.5 Wherever possible, the mode of delivery should involve the Panchayati Raj Institutions and Urban Local Bodies. Where this is intended, the preparedness and the ability of the panchayats for executing the project may be indicated. If exceptions are to be made, the reasons may be explained.

[RRRLF to fill it in]

5.6 In case the project involves land acquisition or environmental clearances, the specific requirements and the status in this regard may be indicated.

5.7 The legacy arrangements after the scheduled project duration may be mentioned. In case the project creates assets, arrangements for their maintenance and upkeep may be stated. (For

example the project assets may be taken over and maintained by the State Government/ PRIs; ULBs).

5.8 Whether the guidelines of Bureau of Energy Efficiency and other related guidelines for energy efficient buildings etc. have been considered / complied with.

5.9 Whether the project is secured against natural/ man-made disasters like floods, cyclones, earthquakes, tsunamis etc.

6. Project/Scheme cost

The expenses will be incurred on the following heads:

i. Administrative Costs

The expenses to be incurred by the Mission

Administrative cost; Staff, Travel etc. for 4 years

2013-14	1,00,00,000
2014-15	1,00,00,000
2015-16	1,00,00,000
2016-17	1,00,00,000

ii. Infrastructure

a. Appropriate Space and Infrastructure

The Mission may offer support for infrastructure to selected libraries.

Rs. 10 crore per year for this purpose under this project are estimated

2013-14	10,00,00,000
2014-15	10,00,00,000
2015-16	10,00,00,000
2016-17	10,00,00,000

b. Hardware

2013-14

State Centre Libraries

Clients

29xRs. 33,251x15 nos. (average)= 1,44,64,185

Servers

29xRs. 73,140x2 nos = 42,42,120

LAN Switches

29 x Rs. 13,500 = 3,91,500

Cables

29 x Rs. 32,000 = 9,28,000

District Libraries

Clients

610 x Rs. 33,251 x 4 nos. (average)= 8,11,32,440

Servers

610 x Rs. 73,140 x 2 nos = 8,92,30,800

LAN Switches

610 x Rs. 1,350 = 8,23,500

Cables

610 x Rs. 12,000 = 73,20,000

Other Libraries

Stand-alone Systems

1861 x Rs. 33,251 = 6,00,19,111

Total on hardware for 2013-14 25,85,51,656

2014-15

Stand-alone Systems

2500 x Rs. 33,251 = 8,31,27,500

2015-16

Stand-alone Systems

2500 x Rs. 33,251 = 8,31,27,500

2016-17

Stand-alone Systems

2500 x Rs. 33,251 = 8,31,27,500

Total for Hardware: 50,79,34,156

c. **Software**
Maintenance costs for one year only for each library.

2013-14	Rs. 10,000 x 2,500 libraries	2,50,00,000
2014-15	Rs. 10,000 x 2,500 libraries	2,50,00,000
2015-16	Rs. 10,000 x 2,500 libraries	2,50,00,000
2016-17	Rs. 10,000 x 2,500 libraries	2,50,00,000

d. **Internet Access**

2013-14
2014-15
2015-16
2016-17

e. **Consumables**

It is proposed to provide Rs. 1,000 per year towards consumables

2013-14	Rs. 1,000 x 2,500	25,00,000
2014-15	Rs. 1,000 x 5,000	50,00,000
2015-16	Rs. 1,000 x 7,500	75,00,000
2016-17	Rs. 1,000 x 10,000	1,00,00,000

iii. Training

The cost is presented in the project on Training

iv. Networking by DELNET

2013-14	Rs. 16,500 per selected library	Rs.
	2,500 x Rs. 16,500	4,12,50,000
2014-15	Rs. 16,500 per selected library for the first time	
	2,500 x Rs. 16,500=4,12,50,000	
	Renewal charges at Rs 11,500 per year for already registered	
	2,500 x 11,500=2,87,50,000	Total: 7,00,00,000

2015-16	Rs. 16,500 per selected library for the first time 2,500 x 16,500=4,12,50,000		
	Renewal charges at Rs 11,500 per year for already registered 5,000 x 11,500=5,75,00,000	Total	9,87,50,000.

2016-17	Rs. 16,500 per selected library for the first time 2,500 x 16,500=4,12,50,000		
	Renewal charges at Rs 11,500 per year for already registered library 7,500 x 11,500=8,62,50,000	Total	12,75,00,000

v. Inter-Library Loan and Document Delivery Services

Rs. 1000 to be paid to each library per year to cover Interlibrary Loan charges including postal/courier charges and photocopying charges etc.

		Rs.
2013-14	Rs. 1,000 x 2,500	25,00,000
2014-15	Rs. 1,000 x 5,000	50,00,000
2015-16	Rs. 1,000 x 7,500	75,00,000
2016-17	Rs. 1,000 x 10,000	1,00,00,000

vi. Cataloguing / Retro-conversion

Cataloguing work will start from the Second year and as rates will vary From State to State, a fixed amount is Recommended for the last three years.

a. Public Libraries with professional staff

2014-15	1,00,00,000
2015-16	2,00,00,000
2016-17	4,00,00,000

b. Public libraries without professional staff

2014-15	4,00,00,000
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2015-16 6,00,00,000

2016-17 8,00,00,000

vii. Digitisation

From 2014 @ Rs. 2,00,00,000 per year

2014-16 2,00,00,000

2015-16 2,00,00,000

2016-17 2,00,00,000

Total: 174,,54,34,156

viii. Break-up of the Budget Year-wise

.		2013-14	2014-15	2015-16	2016-17	Total
i..	Administrative Costs	1,00,00,000	1,00,00,000	1,00,00,000	1,00,00,000	4,00,00,000
ii.	Infrastructure					
a	Appropriate Space, etc.	10,00,00,000	10,00,00,000	10,00,00,000	10,00,00,000	40,00,00,000
b	Hardware	25,85,51,656	8,31,27,500	8,31,27,500	8,31,27,500	50,79,34,156
c	Software Maintenance	2,50,00,000	2,50,00,000	2,50,00,000	2,50,00,000	10,00,00,000
d.	Internet Access					
e.	Consumables	25,00,000	50,00,000	75,00,000	1,00,00,000	2,50,00,000
iii.	Training Provided for in other project					
iv.	Networking by DELNET	4,12,50,000	7,00,00,000	9,87,50,000	12,75,00,000	33,75,00,000
v.	Inter-Library	25,00,000	50,00,000	75,00,000	1,00,00,000	2,50,00,000

	Loan					
vi.	Cataloguing / Retro- conversion					
a.	Public Libraries with professional staff		1,00,00,000	2,00,00,000	4,00,00,000	7,00,00,000
b.	Public libraries without professional staff		4,00,00,000	6,00,00,000	8,00,00,000	18,00,00,000
vii.	Digitisation		2,00,00,000	2,00,00,000	2,00,00,000	6,00,00,000
	Total	43,98,01,656	36,81,27,500	43,18,77,500	50,56,27,500	174,54,34,156