



ABSTRACT

Universities - Announcement made by Hon'ble Chief Minister in the Tamil Nadu Legislative Assembly under 110 Statement – Creation of Networked Digital Library System in Universities – Orders – Issued.

HIGHER EDUCATION (K1) DEPARTMENT

G.O.(Ms).No. 226

Dated : 27.12.2014.

ஐய, மார்கழி 12

திருவள்ளூர் ஆண்டு 2045.

Read :

1. Announcement made by the Hon'ble Chief Minister on the floor of the Assembly on 01.08.2014 under 110 Statement.
2. From the Commissioner of Technical Education Letter No. 42549/H3/2014, dated 24.10.2014

ORDER :-

During the Assembly Session on the Floor of the Assembly on 01.08.2014, Hon'ble Chief Minister made the following announcement under 110 Statement.

“இந்தியாவின் அறிவுத் - தலைநகரமாகவும், —புதுமைத் தளமாகவும் தமிழகத்தை மாற்றுவதுதான் அரசின் குறிக்கோளாகும். தற்போதுள்ள எண்ணியல் தொழில்நுட்ப யுகத்தில், உயர்கல்வித் துறையின் 13 பல்கலைக்கழகங்களில், நூலகம் சார்ந்த தகவல்கள், ஆராய்ச்சி மற்றும் பாடப் பொருள்களை இணையதளம் மூலம் இணைத்து, அண்ணா பல்கலைக்கழகத்திலும், தமிழ்நாடு திறந்தநிலை பல்கலைக்கழகத்திலும் மின்தொடர்பு நூலக களஞ்சியங்களை இணையதள வசதியுடன் அமைக்க திட்டமிடப்பட்டுள்ளது. மின்-நூல்கள், மின்-இதழ்கள், ஒளிப்படங்கள் மற்றும் அனைத்து பல்கலைக்கழகங்களின் ஆராய்ச்சிக் கட்டுரைகள் ஆகியவற்றை மாணவ, மாணவியர் மற்றும் ஆசிரியர்கள் பதிவிறக்கம் செய்து எளிதில் பெற இத்திட்டம் வழிவகை செய்யும். அனைத்து பல்கலைக்கழகங்களும், அவற்றில் இணைவு பெற்ற கல்லூரிகளும் இந்த களஞ்சியத்துடன் இணைக்கப்படும். உலகளாவிய அறிவு வளங்களை எளிதில் பரிமாறிக் கொள்ள வகை செய்யும் இத்திட்டம் 1 கோடியே 86 லட்சம் ரூபாய் செலவில் உருவாக்கப்படும்.”

2. In this Connection, the Commissioner of Technical Education has sent the proposal for establishment of Networked Digital Library System in Universities which is as follows:-

(i) RATIONALE OF THE PROJECT

It is highly a challenging task for colleges and Universities to cater to the academic and research information needs of the students and faculty members through the existing printed books and reference collections in their traditional libraries and there is wider gap between library budget requirement and actual procurement of books and other knowledge resources.

It is very much imminent and relevant to make use of e-books and e-resources, which enable the cost effective, convenient, any time anywhere and equal access of books, scholarly journals and other resources for the students and faculty members of various disciplines from across the Institutions in the State.

There are few initiatives of e-journals and e-books at public domain, which need to be augmented and leveraged after careful evaluation on the relevance of the resources. A customized Library network and institutional repository with a powerful interface both for uploading and retrieval of the content will be of right solution at this juncture, particularly for the colleges where awareness and use of knowledge resources has limitations.

Hence, it is proposed to set up a web portal to manage effectively these resources and provide digital content to any student / faculty through the respective Institutions through Internet connectivity.

(ii) SCOPE AND OBJECTIVES:

The Networked Digital Library System enables the students to encourage the use of e-books and share the resources available in all Colleges and Universities of Tamil Nadu round the clock. It also helps to establish digital repositories and provides possibilities for the students to have round the clock remote accessing through login and IP enabled internet facility.

It enables the faculty and students to have interdisciplinary and multidisciplinary approach of teaching learning by having integrated access to the content with national and international standards. After implementation of the Scheme, all University libraries and affiliated Institutions in Tamil Nadu can be brought under a network, called Tamil Nadu Library Access Network. With the distribution of laptop without cost to the students, the benefits of issue of laptop to the students will also be multiplied with creation of Networked Digital Library System.

(iii) PLAN OF ACTION:

To establish the above physical infrastructure facilities in Anna University, Chennai and Tamil Nadu Open University, Chennai a Core Committee will play a major role in exploring and evaluating the useful resources. Library environment is to be established with sophisticated Hardware with Networking facilities from the sanctioned grant. Each University may be assigned the responsibility of mining and archiving the resources in one or two favourite subject disciplines of their choices.

(iv) CORE COMMITTEE:

A Core Committee is to be constituted for exploring and evaluating the useful resources.

(v) OUTCOME OF THE PROJECT:

—This project will provide improved and equal access of high quality subject content at international level to the students, research scholars and faculty members of all the Colleges and Universities in Tamil Nadu, irrespective of whether it is rural or urban, large or small institution. The detailed outcome of the project are listed as follows:

- Resource sharing and networking of libraries
- Co-operative Purchasing and metadata management.
- Technology Management Services
- Online Document Delivery Services

- Access to Digital Repositories
- Increase of Research Productivity
- Training to the Librarians and Patrons.

(vi) DETAILS OF PROPOSED EXPENDITURE:

HI END WI-FI CONNECTIVITY TO WEB PORTAL (For 100 students to access Wi-Fi)			
S. No	Description	Qty (Nos)	Approximate Cost (Rs.)
1	Network Switch (Non PoE)	5	250000
2	Wireless Controller (128 Nos. of access point licensing)	1	525000
3	Indoor Wireless access point (a/b/g/n/ac) including power injector	10	250000
4	Outdoor Wireless access point (a/b/g/n/ac) including power injector	5	325000
5	UTP cable and its accessories & Fibre Cables and its accessories	On actual	800000
	TOTAL		2150000
WEB PORTAL RELATED TO LINKING TO LIBRARY RESOURCES			
SERVERS & STORAGE SYSTEMS			
6	Web Server (Rack Mountable Standalone Server)	25	2620000
7	Streaming Server (Rack Mountable Blade Servers with maximum 16 Nos. of blade servers to be populated eight (8) each)	2	4500000
8	SAN Storage with the capacity of 20 TB	2	3200000
9	UTM Firewall	1	220000
	TOTAL		10540000
UPS & GENERATOR			
10	20 KVA UPS with 2 hrs Back Up including Electrical	2	950000
11	Generator with the capacity of 82 KVA including Electrical	2	900000
	TOTAL		1850000
AIR CONDITIONERS & FURNITURE			
12	Precision Air Conditioners with the capacity of 2.5 Ton including Electrical and Installation	2 sets	500000
13	Fittings and Office Furniture	---	200000
	TOTAL		700000
MANPOWER (24x7) AT 4 MEMBERS EACH FOR ONE YEAR PERIOD			
14	(i) Library Professionals – 4 x 20000 x 12	4	960000
	(ii) IT Professionals – 4 x 20000 x 12	4	960000
	(iii) Web Designer /Programmer- 4 x 20000 x 12	4	960000
	(iv) Office Assistants – 4 x 10000 x 12	4	480000
	TOTAL		Rs.3360000
		GRAND TOTAL	18600000
		GRAND TOTAL	1.86 Crore

3. The Government after careful examination appoint the Tamil Nadu State Council for Higher Education as the Co-ordinating Agency for the establishment of Networked Digital Library System in Anna University, Chennai and Tamil Nadu Open University, Chennai. The Government accord administrative sanction for Rs.186.00 Lakh (Rupees One crore and eighty six lakh only) as proposed by the Commissioner of Technical Education at para 2 above.

4. The Government also accord financial sanction for (a) Rs.105.40 Lakh (Rupees One crore five lakh and forty thousand only) to meet out an expenditure as related to servers and storage system and (b) Rs.33.60 Lakh (Rupees thirty three lakh and sixty thousand only) to meet out the man power requirements for a period of one year alone as detailed below:

WEB PORTAL RELATED TO LINKING TO LIBRARY RESOURCES			
SERVERS & STORAGE SYSTEMS			
S. No	Description	Qty (Nos)	Approximate Cost (Rs.)
1	Web Server (Rack Mountable Standalone Server)	25	2620000
2	Streaming Server (Rack Mountable Blade Servers with maximum 16 Nos. of blade servers to be populated eight (8) each)	2	4500000
3	SAN Storage with the capacity of 20 TB	2	3200000
4	UTM Firewall	1	220000
	TOTAL		1,05,40,000 (i.e) 105.40 Lakh
MANPOWER (24x7) AT 4 MEMBERS EACH FOR ONE YEAR PERIOD			
S. No	Description	Qty (Nos)	Approximate Cost (Rs.)
1	(i) Library Professionals –4 x 20000x 12	4	960000
	(ii) IT Professionals – 4 x 20000 x 12	4	960000
	(iii) Web Designer /Programmer - 4 x 20000 x 12	4	960000
	(iv) Office Assistants – 4 x 10000 x 12	4	480000
	TOTAL		33,60,000 (i.e) 33.60 Lakh

It is also ordered that,

- (i) The expenditure related to maintenance of servers and storage systems and manpower requirements for Networked Digital Library System for subsequent years shall be met from the University funds.
- (ii) The Tamil Nadu Open University and Anna University shall meet out the initial expenditure from their fund for an infrastructure related to Hi-End Wi-Fi connectivity to WEB PORTAL, UPS and Generator and Air Conditioners and furniture and the remaining expenditure will be met out from collecting fund from other 11 Universities.

- (iii) Detailed specifications for each of the hardware has to be arrived at by a Technical Committee in consultation with ELCOT.
- (iv) In future, the digital contents created by Government Colleges / Universities shall be compulsorily made available through this platform.

5. The Government hereby constitute a Committee under the Chairmanship of Commissioner of Technical Education with the following Members and the Committee shall submit its report as mentioned in the Annexure.

S. No.	Designation	Convener / Member
1	The Director, University Library Anna University, Chennai	Convener
2	The Director, Knowledge Data Centre Anna University, Chennai	Member
3	Librarian, Tamil Nadu Open University, Chennai.	Member
4	Librarian, Anna University, Chennai.	Member
5	Librarian, Mother Teresa Women's University, Kodaikanal.	Member
6	Librarian, University of Madras, Chennai.	Member
7	Librarian, Bharathidasan University, Tiruchirappalli.	Member
8	Librarian, Madurai Kamaraj University, Madurai.	Member
9	Librarian, Periyar University, Salem	Member
10	Librarian, Bharathiar University, Coimbatore	Member
11	Librarian, Manonmaniam Sundaranar University, Tirunelveli	Member
12	Librarian, Thiruvalluvar University, Vellore	Member

13	Librarian, Alagappa University, Karaikudi	Member
14	Librarian, Annamalai University, Chidambaram.	Member
15	Librarian, Tamil Nadu Teachers Education University, Chennai.	Member

6. The expenditure sanctioned in para 3-4 above shall be debited to the following new head of account opened under Demand No.20 HOD:04

2202 General Education – 03 University and Higher Education – 102 Assistance to Universities – I Non Plan – BR Networked Digital Library System – 09 Grants-in-Aid -03 Grants for Specific Schemes
(DPC : 2202 03 102 BR 09 37)

7. The Director of Collegiate Education, Chennai is the Estimating, Reconciling and Controlling authority for the above said head of account. The Pay and Accounts Officers / Treasury Officers are requested to open the above said new head of account in their books.

8. The expenditure sanctioned in para 3-4 above constitute an item of "New Service" and the approval of the Legislature shall be obtained in due course. Pending approval of the Legislature, the expenditure shall initially be met by drawal of an advance from the Contingency Fund. Orders regarding this will be issued by the Finance (BG.I) Department separately. The Director of Collegiate Education shall apply in prescribed format along with a copy of this order for sanction of an advance from the Contingency Fund to the Government in Finance (BG.I) Department. The Director of Collegiate Education shall also send necessary draft explanatory notes for inclusion of the expenditure in the Supplementary Estimates for the year 2014-2015, without fail.

9. This order issues with the concurrence of Finance Department vide its U.O.No. 69753/Edn.I/14, dated 26.12.2014 and ASL No. 1962 (One Thousand Nine Hundred and Sixty Two)

(BY ORDER OF THE GOVERNOR)

APOORVA
SECRETARY TO GOVERNMENT

To

The Vice-Chancellor / The Registrar / The Finance Officer,
Anna University, Chennai / Tamil Nadu Open University, Chennai
The Vice-Chairman, Tamil Nadu State Council for Technical Education, Chennai
All Registrars of the Universities under the aegis of Higher Education Department.
The Commissioner of Technical Education, Chennai-25.
The Director of Collegiate Education, Chennai-6.
The Director of Local Fund Audit, Chennai-108.
The Accountant General, Chennai-18.
The Pay and Accounts Officer, Chennai-35.


ANNEXURE TO G.O.(MS) NO. 226, HIGHER EDUCATION(K1) DEPARTMENT,
DATED 27.12.2014

The Report to be submitted by the Committee on the following

- (1) Creating library environment with sophisticated hardware depending on the other costs involved.
- (2) Mining and archiving of resources to be done after having discussions with faculty members. The faculty members should understand the digitization, with a maximum number of 4-5 members for the Committee for various disciplines. The distribution of different disciplines to the Universities is to be done.
- (3) Identify, catalogue, have filters to avoid duplication before embarking on the actual uploading into the superstructure (Grand Tamil Nadu Library Project)
- (4) Segregation subject-wise and category-wise (Graded like General, Graduate level, PG level, Research level for easy access)
- (5) To identify manpower to be used to manage. The next step is to establish linkages (using a html link)
- (6) Only open access e-books were to be used and to select e-books and journals with optimal cross referencing and logical linkages.
- (7) Co-ordinating access to use paid resources.
- (8) To collect data of libraries on the content that is available as of how and avoid those that involve copyright issues (link can be given for such resources)
- (9) Digital mining and archiving is a process and hence needs to be reorganized from time to time.
- (10) Story books, English language videos, animated science videos, National Geographic Channel videos and links to be used.
- (11) For Journals that need subscription, links may be used instead of the actual journal.

APOORVA
SECRETARY TO GOVERNMENT

//True Copy//


29/12/14
Section Officer.
08

Copy to:

The Finance (Edn-I/BG I/ BG II) Department, Chennai-9

The Chief Minister's Office, Chennai-9

The Special P.A. to Minister (Higher Education), Secretariat, Chennai-9

The PS to Secretary to Government, Higher Education Department, Chennai - 9.

The PS to Principal Secretary to Government,

Personnel and Administrative Reforms Department, Chennai-9

The PS to Principal Secretary to Government, Finance Department, Chennai-9

SF/SC

//Forwarded / By order//

T. Narayanan
29/12/14

Section Officer.

[Signature]
29/12/14