

Lib sc. 1; 1964; Paper T.

Capital Expenditure on Buildings and Equipment.

(Library organisation. 6).

R SUGRA BEGUM, B Sc, Dip Lib Sc, *Assistant Lecturer, Polytechnic for Women, Bangalore 1* and M A GOPINATH, *Documentation Research and Training Centre, Bangalore 3.*

Gives the capital expenditure on librachines and different categories of library buildings in each of the States and for India. Estimates the total capital expenditure to be about Rs 134 crores. Points out that this sum would be spent in a phased programme spread over a fifteen-year period.

0 Introduction

11 ENSURING ECONOMY AND EFFICIENT SERVICE

The implementation of the Library Development Plan will involve the construction of a large number of new library buildings, and, probably, also the remodelling of certain of the existing library buildings. In Sec 132 of Paper N in this issue, the general policy to be adopted in regard to the capital expenditure on library buildings and equipment has been outlined. The functional design of library buildings, fittings, and furniture ensures efficient service and economy in expenditure. The experience gained in the design of library buildings and equipment by librarians and architects during the last fifty years in India and in foreign countries should be utilised. The subject of building engineering has also made remarkable strides. There is also now available research data with regard to the habits of the reading public, the facilities necessary to create awareness of libraries, and to increase their usefulness and the attractions necessary to make the non-library-minded library-minded.

12 STANDARDS

Based on such experience and the available data, the Library Buildings, Fittings and Furniture Sectional Committee of the

Indian Standards Institution has brought out the following standards which are of considerable value in the planning of library buildings in the Library Development Plan.

- 1 IS: 1553-1960 Code of Practice Relating to Primary Elements in the Design of Library Buildings.
- 2 IS: 1829 (Part 1) Library Furniture and Fittings. Part 1. —1961 Timber

The other Indian Standards relevant to our purpose are:

- 1 IS: 1172-1957 Code of Basic Requirements for Water-Supply, Drainage and Sanitation.
- 2 IS: 1233-1958 Recommendations for Modular Co-ordination of Dimensions in the Building Industry.

2 Data Required for Estimating the Cost

For the design of library buildings, fittings, and furniture and for estimating the capital expenditure the following basic data are required about each of the different types of libraries.

- 1 The different departments based on their respective functions;
 - 2 The approximate size of the collection—that is the number of volumes and the number of current periodicals for display;
 - 3 The approximate number of reader's seats to be provided;
 - 4 The different types of rooms required;
 - 5 The strength of the staff;
 - 6 Other general controls and conveniences to be provided;
- and
- 7 Basic dimensions for each of the rooms, fittings, and furniture.

3 Available Data**31 FUNCTION**

The function of each of the different types of libraries in the Public Library System is given in Paper N in this issue. Based on that information, the various functional departments necessary in each type of library can be worked out.

32 SIZE OF COLLECTION AND READER'S SEATS

The approximate size of the collection and the number of reader's seats to be provided for in each of the different types of libraries are as follows (IS: 1553-1960):

SN	Type of Library	N of Volumes	N of Periodicals for Display	N of Reader's Seats
1	National Central Library (NCL)	200,000 to 600,000	500 to 2,000	500 to 2,000
2	State Central Library (SCL)	100,000 to 500,000	100 to 1,000	500 to 1,500
3	City Central Library (CCL)	50,000 to 300,000	50 to 1,000	100 to 1,000
4	Rural Central Library (RCL)	50,000 to 300,000	Nil	50
5	Branch Library (BL)	50,000 to 25,000	20 to 50	50 to 200
6	Librachine	2,000	Nil	Nil

33 ROOMS

The rooms required for the different library buildings are as follows (IS: 1553-1960).

SN	Room Normally, Separate	Public Library					
		NCL	SCL	CCL	RCL	BL	
1	Stack Room	..	R	R	R	R	R
2	Catalogue Room	..	R	R	R	R	R
3	General Reading Room	..	R	R	R	R	R
4	Periodicals Reading Room	..	R	R	R	—	—
5	Special Reading Room	..	R	R	R	—	—
6	Research Cubicles	..	R	R	R	—	—
7	Group Study Room	..	R	R	R	—	—
8	Seminar Room	..	R	R	R	—	—
9	Conference Room	..	R	R	R	—	—
10	Exhibition Room	..	R	R	R	R	—
11	Librarian's Room	..	R	R	R	R	R
12	Deputy Librarian's Room	..	R	R	R	R	—
13	Technical Staff Room	..	R	R	R	R	—
14	Administrative Staff Room	..	R	R	R	R	—
15	Committee Room	..	R	R	R	R	—
16	Display Space at Entrance	..	R	R	R	R	—
17	Night Watchman's Room	..	R	R	R	R	R
18	Microfilm Reading Room	..	R	R	R	—	—
19	Document Reproduction Room	..	R	R	—	—	—
20	Audio-Visual Room	..	R	R	R	R	—

R = Required

— = Not Required

34 CONTROLS AND CONVENIENCES

The other general controls and conveniences to be provided for in each of the different types of libraries are given in the Indian Standard IS: 1553-1960.

35 BASIC DIMENSIONS FOR BUILDING

The basic dimensions for each of the rooms, and fittings are also given in the Indian Standard IS: 1553-1960.

36 BASIC DIMENSIONS FOR FURNITURE

The dimensions for each unit of furniture are given in the Indian Standard IS: 1553-1960 and IS: 1829 (Part 1)-1961 Library Furniture and Fittings, Part 1, Timber.

4 Cost per Unit

Based on the present cost of building, fittings and furniture, the approximate cost per unit for each of the different types of library buildings is estimated as follows:

SN	Type of Library	Cost per Unit Rs in Thousands
1	Librachine ..	30
2	Branch Library—	
2 A	A ..	20
2 B	B ..	40
3	City Central Library	
3 A	A ..	500
3 B	B ..	700
3 C	C ..	1,000
3 D	D ..	1,500
3 E	E ..	2,000
4	Rural Central Library ..	2,000
5	State Central Library ..	4,000
6	National Central Library ..	5,000

5 Capital Expenditure

A summary of the capital expenditure on buildings, fittings and furniture for each of the different types of libraries, is given in Table 1 in Sec 71. The estimated outlay on the buildings in the Public Library System in India is Rs 134 crores.

The capital expenditure on buildings for each of the States is given in Table 2 of Sec 72. Among the Constituent States, Uttar Pradesh will have the highest capital expenditure of Rs 22 crores, with Madhya Pradesh coming next with about Rs 14 crores. Nagaland will have the least expenditure of about Rs 1 crore. The centrally administered Delhi State will have a capital outlay of Rs 60 lakhs only.

On Librachines Uttar Pradesh will spend the largest amount (Rs 7 crores) and Nagaland the smallest amount (Rs 5 lakhs). On Branch Library Buildings Kerala will spend the largest amount (over Rs 2.5 crores) and Nagaland the smallest amount

(Rs 60,000). On City Central Library buildings, Uttar Pradesh will spend the largest amount (Rs 1 crore), while Nagaland will have no City Central Library. On Rural Central Library buildings Uttar Pradesh will spend the largest amount (Rs 10 crores) and Nagaland the smallest amount (Rs 60 lakhs).

6 Phased Programme

The sum of Rs 134 crores arrived at in Sec 71 cannot obviously be found or even if found be carefully spent within the 5-year period. The construction work will have to be spread over about fifteen years. The pace of expenditure may not be equal in all the fifteen years. Factors such as the existence of well designed public library buildings, changes in the cost of materials and labour, and advances in building engineering should be taken into account at the various stages in the 15-year construction programme. In general, the pace of expenditure may have to be small in the first three years. It may not have much to cover

71 TABLE 1. SUMMARY OF THE COST DATA FOR LIBRARY BUILDINGS

SN	Kind of Building	N of Libraries	Cost per Unit Rs in Thousands	Approximate Total Cost in Round Hundred Thousands
1	Librachine	12,067	30	3,620
2	Branch Library—			
2A	A	6,048	20	1,210
2B	B	2,041	40	820
3	City Central Library—			
3A	A	76	500	380
3B	B	23	700	160
3C	C	6	1,000	60
3D	D	4	1,500	60
3E	E	3	2,000	60
4	Rural Central Library	315	2,000	6,300
5	State Central Library	16	4,000	640
6	National Central Library	1	5,000	50
Total .. In Round figures Rs 134 Crores.				13,360

in the last five years. The pace may be the longest from the fifth to the tenth year as the libraries in the Public Library System would have grown into sizeable units during that period.

72 TABLE 2. DETAILS OF COST OF LIBRARY BUILDINGS FOR EACH STATE

Note.—Cost per Unit (Rs in thousands): Librachine 30; Branch Library—A Type 20, B Type 40; City Central Library—A Type 500, B Type 700, C Type 1,000, D Type 1,500, E Type 2,000; Rural Central Library 2,000; State Central Library 4,000; and National Central Library 5,000.

SN	Kind of Building	N of Units	Total Cost Rs in Thousands	Total Cost in Round Figures Rs in Thousands
1 Andhra Pradesh				
1	Librachine	776	23,280	
2	Branch Library—			
2A	A	679	13,850	
2B	B	142	5,680	
3	City Central Library—			
3A	A	10	5,000	
3D	D	1	1,500	
4	Rural Central Library	20	40,000	
5	State Central Librray	1	4,000	
				93,000
2 Assam				
1	Librachine	507	15,210	
2	Branch Library—			
2A	A	52	1,040	
2B	B	14	560	
3	City Central Library—			
3A	A	2	1,000	
4	Rural Central Library	11	22,000	
5	State Central Library			
5B	B	1	4,000	
				44,000

CAPITAL EXPENDITURE

T72

SN	Kind of Building	N of Units	Total Cost Rs in Thousands	Total Cost in Round figures Rs in Thousands
3 Bihar				
1	Librachine	1,485	44,550	
2	Branch Library—			
2A	A	587	11,740	
2B	B	95	3,800	
3	City Central Library—			
3A	A	7	3,500	
3B	B	2	1,400	
4	Rural Central Library	17	34,000	
5	State Central Library	1	4,000	
			102,990	103,000
4 Gujarat				
1	Librachine	462	13,860	
2	Branch Library—			
2A	A	294	5,880	
2B	B	129	5,160	
3	City Central Library—			
3A	A	3	1,500	
3B	B	2	1,400	
3D	D	1	1,500	
4	Rural Central Library	17	34,000	
5	State Central Library	1	4,000	
			67,300	67,000
5 Jammu and Kashmir				
1	Librachine	131	3,930	
2	Branch Library—			
2A	A	15	300	
2B	B	16	640	
3	City Central Library—			
3A	A	1	500	
3B	B	1	700	
4	Rural Central Library	9	18,000	
5	State Central Library	1	4,000	
			28,070	28,000

SN	Kind of Building	N of Units	Total Cost Rs in Thousands	Total Cost in Round Figures Rs in Thousands
6 Kerala				
1	Librachine	23	690	
2	Branch Library—			
2A	A	1,163	23,260	
2B	B	60	2,400	
3	City Central Library—			
3A	A	2	1,000	
3B	B	2	1,400	
4	Rural Central Library	9	18,000	
5	State Central Library	1	4,000	
			50,750	51,000
7 Madhya Pradesh				
1	Librachine	1,326	39,780	
2	Branch Library—			
2A	A	203	4,060	
2B	B	99	3,960	
3	City Central Library—			
3A	A	5	2,500	
3B	B	3	2,100	
4	Rural Central Library	43	86,000	
5	State Central Library	1	4,000	
			142,400	142,000
8 Madras				
1	Librachine	503	15,090	
2	Branch Library—			
2A	A	768	15,360	
2B	B	226	9,040	
3	City Central Library—			
3A	A	7	3,500	
3B	B	3	2,100	
3D	D	1	1,500	
4	Rural Central Library	13	26,000	
5	State Central Library	1	4,000	
			76,590	77,000

CAPITAL EXPENDITURE

T72

SN	Kind of Building	N of Units	Total Cost Rs in Thousands	Total Cost in Round Figures Rs in Thousands
9 Maharashtra				
1	Librachine	864	25,920	
2	Branch Library—			
2A	A	526	10,520	
2B	B	342	13,680	
3	City Central Library—			
3A	A	9	4,500	
3B	B	1	700	
3C	C	2	2,000	
3E	E	1	2,000	
4	Rural Central Library	26	52,000	
5	State Central Library	1	4,000	
			<hr/>	
			115,320	115,000
10 Mysore				
1	Librachine	609	18,270	
2	Branch Library—			
2A	A	333	6,660	
2B	B	112	4,480	
3	City Central Library—			
3A	A	3	1,500	
3B	B	1	700	
3D	D	1	1,500	
4	Rural Central Library	19	38,000	
5	State Central Library	1	4,000	
			<hr/>	
			75,110	75,000
11 Nagaland				
1	Librachine	17	510	
2	Branch Library—			
2A	A	3	60	
3	Rural Central Library	3	6,000	
4	State Central Library	1	4,000	
			<hr/>	
			10,570	11,000

SN	Kind of Building	N of Units	Total Cost Rs in Thousands	Total Cost in Round Figures Rs in Thousands
12 Orissa				
1	Librachine	871	26,130	
2	Branch Library—			
2A	A	69	1,380	
2B	B	18	720	
3	City Central Library—			
3A	A	1	500	
4	Rural Central Library	13	26,000	
5	State Central Library	1	4,000	
			58,730	59,000
13 Punjab				
1	Librachine	516	15,480	
2	Branch Library—			
2A	A	255	5,100	
2B	B	93	3,720	
3	City Central Library—			
3A	A	3	1,500	
3B	B	2	1,400	
4	Rural Central Library	19	38,000	
5	State Central Library	1	4,000	
			69,200	69,000
14 Rajasthan				
1	Librachine	667	20,100	
2	Branch Library—			
2A	A	216	4,320	
2B	B	67	2,680	
3	City Central Library—			
3A	A	5	2,500	
B	B	1	700	
	Rural Central Library	26	52,000	
	State Central Library	1	4,000	
			86,210	86,000

SN	Kind of Building	N of Units	Total Cost Rs in Thousands	Total Cost in Round Figures Rs in Thousands
15 Uttar Pradesh				
1	Librachine	2,425	72,750	
2	Branch Library—			
2A	A	521	10,420	
2B	B	253	10,120	
3	City Central Library—			
3A	A	10	5,000	
3B	B	4	2,800	
3C	C	3	3,000	
4	Rural Central Library	54	108,000	
5	State Central Library	1	4,000	
			216,090	216,000
16 West Bengal				
1	Librachine	885	26,550	
2	Branch Library—			
2A	A	364	7,280	
2B	B	281	11,240	
3	City Central Library—			
3A	A	8	4,000	
3B	B	1	700	
3C	C	1	1,000	
3E	E	1	2,000	
4	Rural Central Library	16	32,000	
5	State Central Library	1	4,000	
			88,770	89,000
17 Delhi				
2	Branch Library—			
2B	B	94	3,760	
5	City Central Library	1	2,000	
			5,760	6,000
	Total for India			1,331,000

8 Acknowledgement

We are indebted to Dr S R Ranganathan for having suggested the subject of this paper, and to him and to Shri A Neelameghan for having helped us in developing the paper.