COMPARATIVE ANTHROPOMETRIC DATA

A-FOR USE IN INDIAN SCHOOLS 19712

المنام ا

Since 1954







A - FOR USE IN INDIAN SCHOOLS

MIL with Y7

المنافي المنافية

ву

D.J. Vickery, A.R.I.B.A.

Anian Regional Institute for School Building Research
Bandung

HBRC

الركز القومة ليحوث الاسكان والبناء Housing & Building National Research Center

Since 1954

OCCASIONAL PAPERS

School Building Series

- 1. Climate and School Building Design in Java
- 2. The Shading of School Buildings in South-East Asia
- 3. Comparative Anthropometric Data

A - For Use in Indian Schools

HBRC

Obtainable within limits of supply from: Unesco Regional Office

Housing & Building National Research Center

Since 1954

U.D.C. No. 572

PREFACE

The scale of a building, the heights of fittings, and the sizes of furniture should be closely related to the physical size of the users. Due to lack of information, school buildings and furniture have not always been related strictly to the size of the Indian schoolchild.* However, recent publications by the Indian Council of Medical Research enable this difficulty to be overcome. These publications give interim anthropometric data for the children of 6 regions of India. The Medical Research Council programme involved the measurement of 68,987 children from 186 towns and villages in Hyderabad, Nagpur, Lucknow, Delhi, Poona, Gwalior and Visakhapatnam.

Although the results of this survey are said to be interim in character, and although it will be some years before the data are fully analysed, the information currently available is quite sufficient for use in the design of school buildings and furniture. This paper does little more than to take the information provided by the Indian Medical Research Council and organize it in such a way as to be useful to architects. Most of the information is presented graphically. It should be noted that there is no attempt to advise on the design of furniture or buildings or on the distribution of furniture of different sizes in class-rooms: This is the function of the architect and is a subject which has been well described elsewhere (1), (2), (3), (4).

المركز القومي لبحوث الاسكان والبناء Housing & Building National Research Center Since 1954

^{*} Anthropometric data for American children have been used up to the present. There is a 10% difference in size.

		CONTENTS	
			Page
1.	Sour	ce Material	
	1.1	Indian Educational Systems	1
		Medical Research	1
2.	Anth	ropometric Data	
	2.1	General	1
	2.2	the Body	1
3.	Devi	ation	
	3.1	General	2
	3.2	Standard Deviation for 6-Year-Olds	2
	3.3	Deviation for Children other than 6-Year-Olds	3
4.	Examples		
	4.1	Example 1	3
	4.2	Example 2	3
	4.3	Example 3 & Building National Kesearch Genter	4
		Since 1954	

Bibliography