

Chapter – III

METHODOLOGY

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INTRODUCTION :

Research methodology involves the systematic procedure by which the researcher starts from initial identification of the problem to its final conclusion. The role of methodology is to carry on the research work in a scientific and valid manner.

School experiences have an important bearing on the lives of students concerned. A major precondition effecting changes in the environment is increasing knowledge of people. School has a major contribution in helping students understand the nature and process behind the biophysical structure of the environment. If the environmental attitude of tribal students is assessed along grade and age levels, it would give an idea of the developmental trend. This would have implications for curriculum planners to structure learning materials accordingly. However since there is no formal environmental instruction or programmes in tribal schools it is presumed that tribal students acquire environmental knowledge through channels like mass media and other school subjects. It is further presumed that the cultural background and life style of these students play a significant role in getting them acquainted with the environment.

Sample

Data Collection is essentially an important part of the research process, so that the inferences, hypothesis or generalization tentatively held, may be identified as valid and verified as correct or rejected. In order to collect the requisite data for any research problem. The researcher has to sample the population concerned. Since it is not

possible to encompass the entire population it is required to devise appropriate tools for measuring the attribute concerned and to administer these tools.

Records on tribal education were examined so as to identify the area from which the sample for this could be drawn. Four tribal zones were found to exist in the state of Madhya Pradesh, namely the Central Zone, Eastern Zone, Western Zone, and the Southern Zone, Lakhnadawn and Chapara Block in the district of Seoni in the Eastern Zone was selected.

This study was however limited to grade VI Standard Students. There are one Girls and one Boys higher secondary school in Chapara Block and also in Laknnadawn Block one Govt. Girls Higher Secondary School and Boys Higher Secondary School. I have selected four school 2 Girls and 2 Boys Higher Secondary School from Chapara and Laknnadawn Block. There are various tribes included in this samples from the School namely were Dahariya and Gonds, Korku, Mehra, Zharia and Katiya. The life style and cultural background of the tribal people was discussed in chapter one.

A preliminary sample of 100 students was obtained to which the Survey instrument was administered. But due to inadequacy in responding on the part of certain individuals data obtained from 2 students were rejected and result of only 98 students were analyzed. For the final results of 98 taken, majority were males 60 percent and only 40 percent were female. They all fell in the age group of distribution 11 to 14 years. The distribution of these students in each school is shown in table below.

Block	Name of school	No. of students (who appear in environmental attitude inventory which is taken by researcher)
Chapara	(1) Excellence Boys Higher Secondary School	30
	(2) Govt. Girls High School	20
Lakhnadawn	(1) Excellence Boys Higher secondary School.	24
	(2) Govt. Girls Higher Secondary School	24

Instrumentation

In order to know the environmental attitude and school achievement test of VI standard students, the data reported in this study came from two sources namely: Environmental attitude inventory prepared by the researcher and Teacher made achievement test.

School records from which information was obtained regarding age, sex and background of the tribal people, Reference to this has already been made in chapter I regarding background and the forgoing discussion in this chapter.

RESEARCH INSTRUMENTS

Environment Attitude Test Scale :-

This was the self constructed 3 points scale. The test consisted of 17 items on a 3 point scale Agree, Disagree and Undecided. The environment attitude inventory was record as follows :-

If positive statement 2 marks, negative statement 0 marks and undecided statement 1 marks. The final value for Awareness measure was obtained by summing the response value obtained by a student on each statement for 17 items.

The test was administered to a total of 98 students in four schools VI standard. Students were motivated and rapport established. Co-operation of the class teachers was also sought. A single stream was handled at a time and only one test was administered to each school per day.

Date Collection:-

First of all visiting the School which is present in tribal blocks. After that the schools from which the data would be collected were finalized. The researcher got acquainted with the school administration, teachers and establish rapport with the students. The School records were examined during these days to get the necessary data as already indicated. Other details like the number of students in each stream were also noted. The situation under which the data would be collected was also noted. This included things like lack of facilities, percentage of absentees was high and deficiency of proper desk and black board. In such situations wherever it was possible, arrangements were made to shift the students to better class rooms. Before administration of test, students were motivated and psychologically prepared by the researcher to do their allmost to sincerely respond to the test items. Students were assured that the test were not measure of their intelligence and that the whole process had nothing to do with their school achievement.

The instruction for test were given on test sheets but they were further reinforced by having them read out to the students before

they were told to start answering to make sure students understood, what they had to do. At the end of test an introspection report of a few of the students in each school was taken. The researcher expressed gratitude to the students for their co-operation.

Another data of school achievement test which has made by the school teacher was also collected by the researcher with the help of class teacher from school records. The cooperation of the teacher's were remarkable and the researcher expressed gratitude to the teacher for their co-operations.

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