

CHAPTER-III

METHODOLOGY, SAMPLE, DESIGN, TOOLS AND PROCEDURE OF DATA COLLECTION AND STATISTICAL TECHNIQUES USED FOR THE ANALYSIS OF DATA

3.0.0 INTRODUCTION

The first chapter deals with the introduction, conceptual framework, rationale of the study, objectives, hypotheses and delimitations of the research. The second chapter deals with the review of related literature. The present chapter is devoted to the methodology, sample, design, tools and procedure of data collection and statistical techniques used for the analysis of data are presented below, under separate captions.

3.1.0 METHODOLOGY

Descriptive survey method has been used as a method study.

3.2.0 DESIGN

Design of the study: - Under a broad canvas of survey method of research a questionnaire is made for survey.

3.3.0 TOOLS USED

In order to know the Environmental Awareness to class IX students researcher used Environment Awareness Measurement tool by Dr. Mishra and Dr. Pandya named as:

“Environmental Awareness Measurement scale”

It contains 50 items.

3.3.1 Administration of Research tools:

Samples were taken from the three different schools from urban and rural areas of Bhadrak district and the total sample of 72 students.

3.3.2 Treatment of tools:

Out of the maximum marks student were given numbers according to their performance. The scoring was based on the question that belongs to positive and negative questions. The marking system for positive question was from 5 to 1 i.e. from strongly agreed response to strongly disagree response and for negative question that is vice versa.

3.4.0 PROCEDURE OF DATA COLLECTION

The data has been collected by visiting three different schools of Bhadrak district personally. By using the tool that named Environmental Awareness Measurement Scale made by Dr. Mishra and Dr. Pandya, the data collected on the basis of the students performances.

3.4.1 Study site

Bhadrak district is a district of ODISHA state in eastern India. Bhadrak city is the headquarters and the largest city of the district. Geographically Bhadrak district located in coordinates between 21.0667°N 86.5000°E of total area 2505square kilometers.

Three different schools have been taken randomly in the district that is one from urban area and another two are from rural area.

3.4.2 Sampling

Sampling may be defined as the selection of some part of an aggregate or totality on the basis of which a judgment or inference about the aggregate or totality is made.

In the present study a sample of 72 students has been taken out of which 31 boys and 41 girls of Urban and Rural School are randomly chosen. These students belong to IX class.

Here it has been covered three schools of Bhadrak District, the names of schools are-

Table No. 3.1: List of schools selected for sample

Sl. No.	School Name	Students	Boys	Girls
1	St. Xavier's High School, Bhadrak	21	14	7
2	Siddheswar Girls High School, Haladia, Bhadrak	29	00	29
3	Aparti Charan High School, Gopinathpur, Bhadrak	22	17	5

3.4.3 Variables

The study based on environmental awareness.

- Depended variables:
 1. Environmental Awareness
- Independent Variables:
 1. Gender - Boys and Girls.
 2. Area - Urban and Rural.

3.5.0 STATISTICS USED

- For comparing different groups to Urban and Rural Schools Students mean, standard deviation and t-test was applied.
- Statistical analysis was undertaken with the help of computer

3.6.0 SUMMARY

On the basis of above variations the data were collected statistically treated in the light of the hypothesis and are presented in tabular form in chapter IV.