



## A STUDY OF THE EFFECT OF POLLUTION OF PITHAMPUR TOWN UPON I.Q. AND ADJUSTMENT OF THE STUDENTS OF CLASS 12TH

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### ABSTRACT:

### KEYWORDS:

### INTRODUCTION:

Near Indore, Pithampur is a town. It is an industrial city. There are many industries in Pithampur. It has got new **incineration unit** which could dispose of eight times more industrial waste. The unit owned by Ramky Enviro had hogged the limelight in 2010 after the State Government had decided to incinerate 347 tons of toxic waste of Union Carbide Plant in Bhopal to Pithampur. The gas tragedy survivors and activists from Pithampur and Indore vociferously opposed incineration of Bhopal, Union Carbide's waste in Pithampur.

Today Pollution is everywhere, and in this condition when population of Pithampur (about 1,50,000) is going to face toxic waste of Union Carbide Bhopal. **BHOPAL GAS KAAND** is well known. Are we going to face another **GAS KAAND**. The purpose of this research is to study effects of pollution upon I.Q., adjustment of children.

The industries from across the State have been sending 150 tons of waste per month for incineration to Pithampur. Possibility of incinerating toxic waste from Union Carbide at Pithampur is sub-judice and the Court would have the final say on the issue. Problem is : Environmental pollution effects, I.Q. and Adjustment of Children.

### PROBLEM:

Pithampur is an another name of Industry, Industrial area means Pithampur. Being local citizens so many persons live in an industrial atmosphere, Industrial Environment and thus pollution effects their health. Living in a polluted industrial town there may be so many problems with mental health of growing children.

### NEED, IMPORTANCE:

I.Q. and adjustment study is important in understanding childrens intellectual development and recognizing their adjustment problems. Need of this Research is to prove that Pollution effects, I.Q. and

Adjustment of children.

### DEFINING TECHNICAL TERMS:

#### POLLUTION:

The atmosphere is a complex natural gaseous system that is essential to support life on planet earth. Sound Pollution, Soil pollution, water pollution and air pollution are the causes of so many diseases. Mental and physical health depends upon living beings, atmosphere.

Air pollution is a worst toxic problem.

#### I.Q.

Intelligence quotient, i.q. scores are used as predictors of educational achievement, special needs with I.Q. test the median raw score of the norming sample is defined as IQ 100 and scores each standard deviation (SD) up or down or defined as 15 IQ points greater or less.

#### ADJUSTMENT:

A modification of behaviour and attitudes so as to achieve a balance between personal needs and interpersonal or societal demands. The act of adjusting, adaptation to a particular condition, position or purpose.

#### OBJECTIVES:

- 1 To test and identify children with greater and less I.Q. or intelligence quotient.
- 2 To compare I.Q. between rural area's children and children who lives in town Pithampur.
- 3 To analyse children's adjustment
- 4 To compare adjustment of children who belong healthy rural community and who lives in town's polluted area.

#### HYPOTHESIS:

- 1 Students who live in a pure and healthy rural environment will perform better I.Q. than students who live in an industrial town.
- 2 Children who experience and face pollution are in

an unhealthy environment, so, they feel difficulty in adjustment.

- 3 Environment effects children’s I.Q. positively and negatively.
- 4 Environment effects adjustment positively and negatively.
- 5 Children who live in healthy atmosphere will be more able in adjustment than those who live in a polluted atmosphere.
- 6 Atmosphere of Pithampur will be more polluted after incineration of Union Carbide, Bhopal’s waste.

**METHOD: A SURVEY METHOD**

**SAMPLE** For proper data collection an authorized permission by school authorities is under process. Sample will be, students of those Higher Secondary Schools which are situated in Pithampur. Pithampur is a town in the Dhar district of Madhya Pradesh, India. Because of Industrial connection and increasing pollution of Pithampur this sample is selected for this research study.

**SAMPLE MAY BE:**

- 100 students of St. Francis Higher Secondary School, Pithampur.
- 100 students of Pithampur Higher Secondary School.
- 100 students of Vaishnav Cambridge Higher Secondary School.
- 100 students of South Valley Public School.
- 100 students of Saraswati Vidya Mandir Higher Secondary School.
- 100 students of Government Higher Secondary School.

**DATA COLLECTION:**

By applying tests with children in six different schools.

**TOOLS:**

Standardized tests designed to assess human intelligence. I.Q. Test

**INTELLIGENCE QUOTIENT** – the abbreviation IQ was coined by the psychologist **William Stern** and tests greater or less I.Q.

**ADJUSTMENT INVENTORY:**

Is an assessment of an individual’s social emotional adjustment within the context of external constraints. Weinberger Adjustment Inventory WAI.

**ANALYSIS:**

Will be a comparative analysis.

**CALCULATION**

SPSS

**CONCLUSION:**

After quantitative statically analysis

**INFERENCE:**

Pithampur do not follow the rules properly hence polluting the area. It is affecting the physical health and mental health of the people, specially women & children residing there. The Government & the plants situated there are defending the main purpose of health issues. This is against humanity. Instead of punishing the units, the nonviable activities are being promoted which is a social offense. If the environment is polluted then it will be very difficult to deal up social & moral values in the society & developing a right environment

The educational societies play a very important role in the development. They are responsible for children’s overall development which is important for the Nation.

**SUGGESTIONS:**

- 1 A study to inculcate good physical and mental health of children who are living in industrial town Pithampur.
- 2 A study to understand relationship between health and environment of children who are living in a polluted area.
- 3 A study to acquire knowledge about the major health problems amongst children of an industrial town.
- 4 A study to seek environmental related information and negative effects of atmosphere on human health.
- 5 A study to identify the children’s mal adjustment causes in the context of industrial area.
- 6 A comparative study between rural and urban children about their adjustment, educational achievement and physical health.
- 7 A study of negative effects of Union Carbides waste concineration in Pithampur unit.

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