

A SOCIOLOGICAL STUDY OF CONSEQUENCES ON HUMAN HEALTH OF VEHICLE POLLUTION

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Abstract

Air pollution is primitive or ancient problem, which we have been facing. When man had invented world, from that movement we facing it. And man is great accountable for that at the beginning it had normal and now has become very detrimental and serious problem, because the participation of man in the world and nature. This research paper depends upon primary and secondary data primary data consist of information from ten vehicle owner, ten pediatric doctors, ten experts in the field of automobile and traffic police. The secondary data were obtained through books, traffic vehicle statistics of regional transport office Kolhapur. The total numbers of two, three, and four wheeler vehicles in Kolhapur, Sangli, Satara&Karad are 32,94,589. From these 25,57,330 are the two wheeler. In two wheelers Kolhapur have 11,76,516 followed by Sangli as 6,29,526 and Satara 6,48,001, Karad 1,032,87. In the total two wheeler motor cycle Kolhapur have achieve first rank in Three District. For Impact of Vehicle pollution on Human Health, I have taken interview of 10 Doctor's, according to them Carbon Monoxide, Sulfur Die Oxide, Nitrous Oxide, Hydrogen sulfide, are deter mental Gases, which have been blending in air, Because of vehicle pollution. Carbon monoxide have integrated with Hemoglobin of human blood, Cause to obstacle in breathing. Sulfur Die oxide, Nytrus oxide, Hydrogen sulfide Injured Breathing branches and organ's of human body. Carbon monoxide, caused to reaction, heart attack, blood pressure, Neumonia, Allergy, paralysis, which very hazardous to the health of human body. Particularly it affected Childs rapidly. To control the impact of polluted air on individual person of society, needs to aware people about pollution. Awareness of people cab become conscious by arranging small assemblies in village, cities etc. From it people can acquaint with the effects of Vehicle pollution and endeavor to control it. To have health from air pollution, informs people about masks and compulsion to use it. To invent optional fuel, which pollute air very limited, gives motivate to persons or Branches. Instead of using petrol vehicle, caused pollution, use without petrol cycle which control pollution and same money. It is justified by china and Europe countries. To reduce pollution societies. Social clubs, self serve clubs, and youngster Groups etc. works sincerely and disciplinal. Voluntarily is beneficial for society. Televisions, News papers, Magazines, films Theatre can play important role to aware people about vehicle pollution.

Introduction: Air pollution occurs due to the presence of undesirable solid or gaseous particles in the air, in quantities that are harmful to human health and the environment. The air may become polluted by natural causes such as volcanoes, which release ash, dust, sulphur and other gases, or by forest fires that are occasionally naturally caused by lightning. However, unlike pollutants from human activity, naturally occurring pollutants tend to remain in the atmosphere for a short time and do not lead to permanent atmospheric change.

Air pollution is primitive or ancient problem, which we have been facing. When man had invented world, from that movement we facing it. And man is great accountable for that at the beginning it had normal and now has become very detrimental and serious problem, because the participation of man in the world and nature.

AIR POLLUTERS: Commonly, believed that naturally and artificially. The exiting factors which inters in the Air are call Air polluter. Same air polluters have created by man and some created by naturally. The pollution, which caused by industries and pollution which cause by climate, Creating carbon oxide. There environment which have

become hazardous, detrimental and dangerous for all Human being, animal and trees called pollution.

Objective:

- 1) To study of what does the impact persists on the human health of vehicle pollution.
- 2) To study of how does ones take care of vehicle to avoid, the vehicle pollution.
- 3) Suggestion on the remedies of vehicle pollution.

Methodology:

This research paper depends upon primary and secondary data primary data consist of information from ten vehicle owner, ten pediatric doctors, ten experts in the field of automobile and traffic police. The secondary data were obtained through books, traffic vehicle statistics of regional transport office Kolhapur.

NEW VEHICLE ENROLLMENT 31.01.2020

Name of the Office-Regional Transport Office, Kolhapur

Sr. No.	Category	Kolhapur	Sangli	Satara	Karad	Total
1	2	3	4	5	6	7
1.	Motor Cycles	987464	506495	504883	98490	2097332
2.	Scooters	127778	70813	71161	2538	272290
3.	Mopeds	61274	52218	71957	2259	187708
	Total two Wheelers	1176516	629526	648001	103287	2557330
4.	Motor Car	134531	59989	61301	11237	267058
5.	Jeeps/Omni Bus	21267	18013	20395	1349	61024
6.	Stn. Wagons	107	352	109	0	568
7.	Taxies A) Meter fitted	122	1321	4052	186	5681
	B) Luxury &Tulist Cabs	1396	615	2816	741	5568
8.	Autorickshaws	18531	10485	13001	1702	43719
9.	Stage Carriage	1067	883	645	2	2597
10.	Contract Carriage mini bus	1897	121	477	84	2579
11.	School Buses	632	487	586	196	1901
12.	Pvt.Ser.Vehicle	252	63	84	31	430
13.	Ambulance	402	214	278	116	1010
14.	Multi & Articulated Veh.	885	83	13	15	996
15.	Trucks & Lorries	18003	10854	13649	2034	44540
16.	Tankar	967	557	333	2	1859
17.	Del. Van (4 Wheeler)	23122	20320	23220	3430	70092
18.	Del. Van (3 Wheeler)	11381	7644	8456	818	28299
19.	Tractors	41883	34494	35791	3300	115468
20.	Trailers	32012	17914	24972	2108	77006
21.	Other	3363	1519	1716	266	6864
Total		1488336	815454	859895	130904	3294589

(Source: State Transport Authority, Kolhapur Vibhag Kolhapur)

The above chart of Vehicles statistic have taken from state transport authority, Kolhapur.

The total numbers of two, three, and four wheeler vehicles in Kolhapur, Sangli, Satara&Karad are 32,94,589. From these 25,57,330 are the two wheeler. In two wheelers Kolhapur have 11,76,516 followed by Sangli as 6,29,526 and Satara 6,48,001, Karad 1,032,87. In the total two wheeler motor cycle Kolhapur have achieve first rank in Three District. The total numbers of Three wheeler Vehicles in these districts are 43,719, Kolhapur have 18,531 below that Satara as 13,001, Karad 1702 and Sangli 10,485, Sangli 1702 Kolhapur District Place at first place in the number of Autoriksha.

These large number of Vehicle caused tremendous pollution in air. According to healthlogy, man every day Breaths 23,000 time. (Commonly 2000 ltr. air take inside of body.) From this the importance of air is understood for human being, animal, trees.

Pollution Under Control. (P. U.C.) :

Ratio of Petrol Vehicles Carbon Monoxide			Diesel Vehicle Hortize Unit	Duration
Two Wheeler	Three Wheeler	Four Wheeler		
Below 3%	Below 1.5%	Below 1.5%	Below 50	6 months
3-4%	1.5-2.5%	1.5-2.5%	50-60	4 months
4-4.5%	2.5-3%	2.5-3%	60-65	2 months

At the time of Vehicle Checking, If the pollution find more than determined limit, action will take against it, though have primitive certificate of duration.

The Impact Vehicle Pollution on Human Health.

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• **Vehicle Pollution – Policy Implication :**

1) Take care of vehicle regularly -

To Control vehicle pollution, must need to implicate, the Remedies/source as follows:

- a. Render exact and regular Engine tuning.
- b. By time table repair vehicle
- c. do servicing and handle it according to company.
- d. after particular period, check’s the part of engine.

These factors helps us to control vehicle pollution.

2) Fit Catalytic Converter to vehicles –

It fit at the front part of petrol vehicle. In this instrument part platinum, palladium & Radium are used and formed Filtration structure. It controls carbon monoxide, hydro carbon, Hydrogen oxide by chemical reaction and converts it into carbon dioxide, water and Nitrogen, which helps to control petroleum vehicle pollution. To control pollution fits catalytic convertor.

3) Use C. N. G. –

In Vehicle Instead of using petrol and diesel, which are hazardous for pollution, use C.N.G. (Compressed Natural Gas) as fuel. It is useful to control vehicle pollution. Because, carbon monoxide, which deter mental to human life burns as whole or fully, caused to reduce pollution. Now at Mumbai utilise of C.N.G. is growing for taxi, car etc.

4) Use of Green Fuel –

Use of Diesel or Petrol in which Grass let is blended, it caused to throwed out more smoke, carbon from the silencer of vehicle. To control this pollution Green fuel mist use of vehicle. Unleaded petrol is called Green fuel controls the vehicle pollution.

5) Use of Four-Stroke Vehicle –

In two wheelers instead of two stroke use of four stroke, burns Gases Clearly or fully or whole. It is beneficial to control pollution.

6) Use Vehicle only when it is necessary –

Today, Vehicle has become prestigious thing for people. The parents can’t fully concentrate on their child, caused in their absence secretly vehicles are being used

irresponsibly vehicles are Driving for trivial and lower type of where vehicle is not necessary. Using it as a fashion. Therefore pollution is also growing rampantly. Terrorely to control by controlling extra use of vehicle.

Conclusion –

To control the impact of polluted air on individual person of society, needs to aware people about pollution. Awareness of people cab become conscious by arranging small assemblies in village, cities etc. From it people can acquaint with the effects of Vehicle pollution and endeavor to control it. To have health from air pollution, informs people about masks and compulsion to use it. To invent optional fuel, which pollute air very limited, gives motivate to persons or Branches.

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