

The Study of Pollution under Control Certificate – Sources of Generating Income or the Instrument of Protecting Environment

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ABSTRACT

Environment is one of the sensitive issue at global level. Every nation is having their own policy to protect environment. Environment is getting disturbed due to various factors of which pollution accounts as the major part. Increasing population is greatly linked with the increase in vehicle number, contributing to heavy air pollution problem. There is an immense need to draw attention towards this consequence as it is one of the serious problems. The objective of doing research on the topic “The Study of Pollution Under Control Certificate – Sources of Generating Income or the Instrument of Protecting Environment” is to find out whether the certificate of PUC (Pollution Under Control) is really a work on the issue of protecting the environment by reducing the air pollution or is it the source of generating the income?

Keywords: - Environment, Air pollution, PUC.

INTRODUCTION

To protect environment is the need of today’s world. Environment is getting affected mainly because of different types of pollution such as air pollution, water pollution, noise pollution and soil pollution. Among all these, air pollution can directly or indirectly affect human health, causing physical discomfort and leading to disease or even death. The research paper is mainly focused on the disturbing of environment i.e. creation of air pollution. Increasing population is greatly linked with the increase in vehicle number, contributing to heavy air pollution problem. There is an immense need to draw attention towards this consequence as it is one of the serious problems.

To reduce the percentage of air pollution it is necessary to check the condition of vehicle at regular interval. To control the air pollution, it is essential that vehicle owner should obtain the PUC certificate. The document PUC certificate is mandatory as per the central motor vehicle rules 1989. Maintenance and inspection center of PUC certificate is at Nashik. The main objective of issuing PUC certificate is to protect environment. In Mumbai 87 agencies are available, issuing PUC certificate.

Rationale of the study: - The basic reason behind doing this research is to find out whether the document PUC certificate is an instrument to protect environment or it is one of the source of generating income. Therefore I have decided to do research on the topic “**The Study of Pollution under Control Certificate – Sources of Generating Income or the Instrument of Protecting Environment**”.

TESTING PROCEDURE

In the case of **Diesel vehicles**:

- The accelerator is fully pressed and the readings of pollution levels are observed.
- This is repeated five times and the average constitutes the final reading.

For **Petrol vehicles**:

- The car is kept idle without pressing the accelerator.

Pollution Under Control (PUC) Norms:

Year of Manufacturing of Bike	% of Carbon Monoxide	Hydrocarbon (measured in PPM)
2 Wheeler (2/4 stroke) manufactured before 31 st March 2000	4.5	9000
2 Wheeler 2 stroke manufactured after 31 st March 2000	3.5	6000
2 Wheeler 4 Stroke manufactured after 31 st March 2000	3.5	4500
4 Wheeler manufactured according to Pre Bharat Stage II Norms	3	1500
4 Wheeler manufactured according to Pre Bharat Stage II and Subsequent Norms	0.5	750

OBJECTIVES OF THE STUDY

1. To study the system of issuing Pollution under Control Certificate.
2. To study the involvement of vehicle owner while taking Pollution under Control Certificate.
3. To study awareness among the people about Pollution under Control Certificate.
4. To find out the role of authorized person or agent, issuing Pollution under Control Certificate.
5. To Provide Suggestions & Measures to Control Pollution & Issue Of PUC.

HYPOTHESIS

H0 – There is no significance relationship between PUC certificate and protection of environment.

H1 – There is significance relationship between PUC certificate and protection of environment.

H0 – Existing PUC center system is working efficiently.

H1 –Existing PUC center system is not working efficiently.

METHODOLOGY OF THE STUDY

Sample and sample size – The sample size of my research study was 100 respondents selected on the basis of convenience sampling method. The research study is mainly based on the primary data.

Sources of data: With the help of structured questionnaire, the data has been collected i.e. personal interview with 100 respondents.

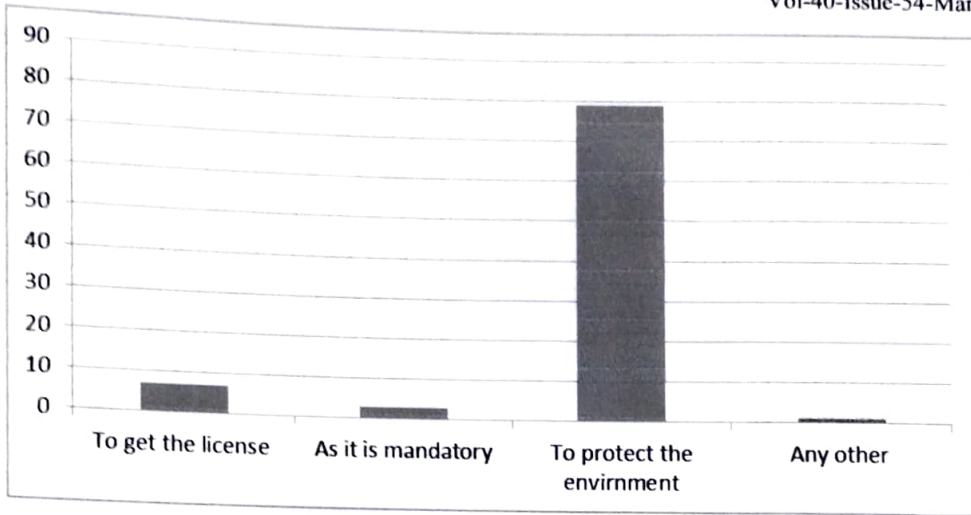
Analysis of the study: Tabular and graphical analysis has been done.

Limitations of the study: - Due to time constraints, sample size is restricted to 10 respondents with the help of convenience sampling method.

Table No. 1: Table showing the reason behind taking the PUC certificate

Reasons behind taking the PUC certificate	No. of Respondents
To get the license to the drive the vehicle	17
As it is mandatory	03
To protect the environment	79
Any other specify	01

Source- Field work)

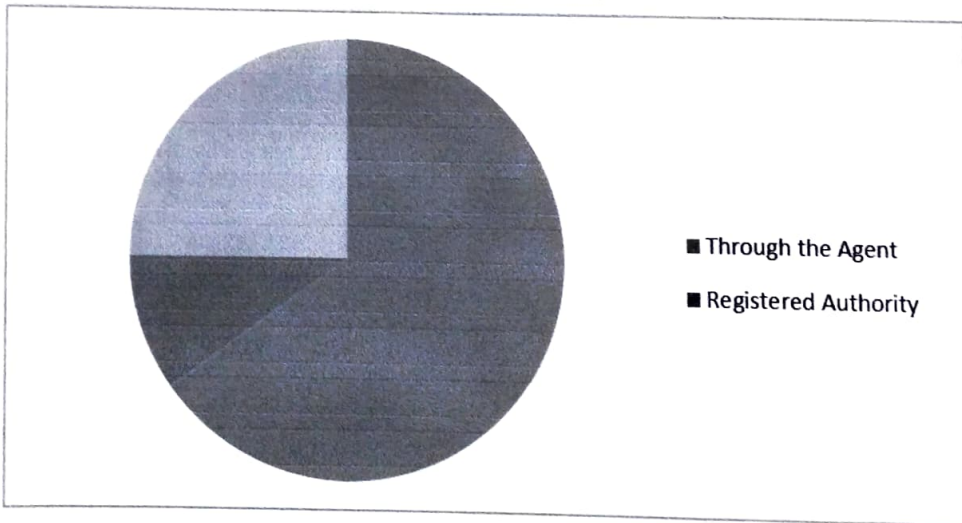


Interpretation :- Out of 100 respondents, 79 respondents said that PUC certificate is useful to protect the environment. This shows that environment awareness is there among the people.

Table No. 2 : Table showing sources of obtaining PUC certificate

Procedure of getting the PUC certificate	No. of Respondents
Through the Agent	65
Through the registered authority	10
Without doing proper checking	25

(Source – Field Work)

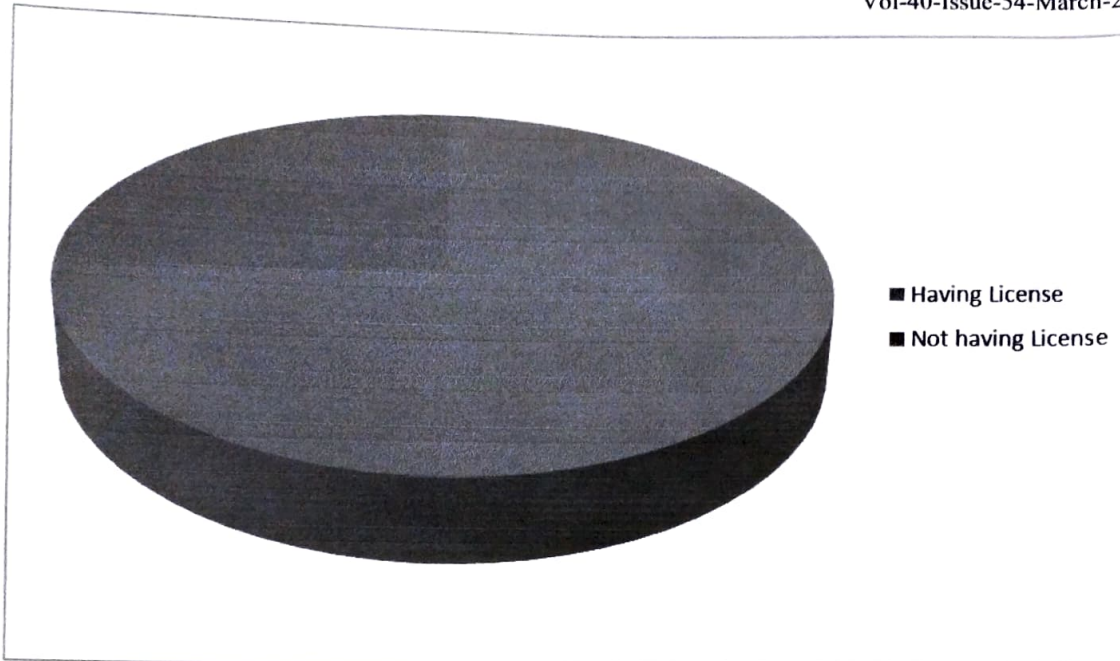


Interpretation :- Out of 100 respondents, 65 respondents got PUC certificate through the agent. 10 respondents, through proper registered authority. @5 respondents obtain the same certificate without doing proper checking.

Table No. 3 : Table showing having License of issuing PUC certificate with the agent

License of issuing PUC certificate	No. of Respondents
Having License	74
Not having License	26

(Source- Field Work)

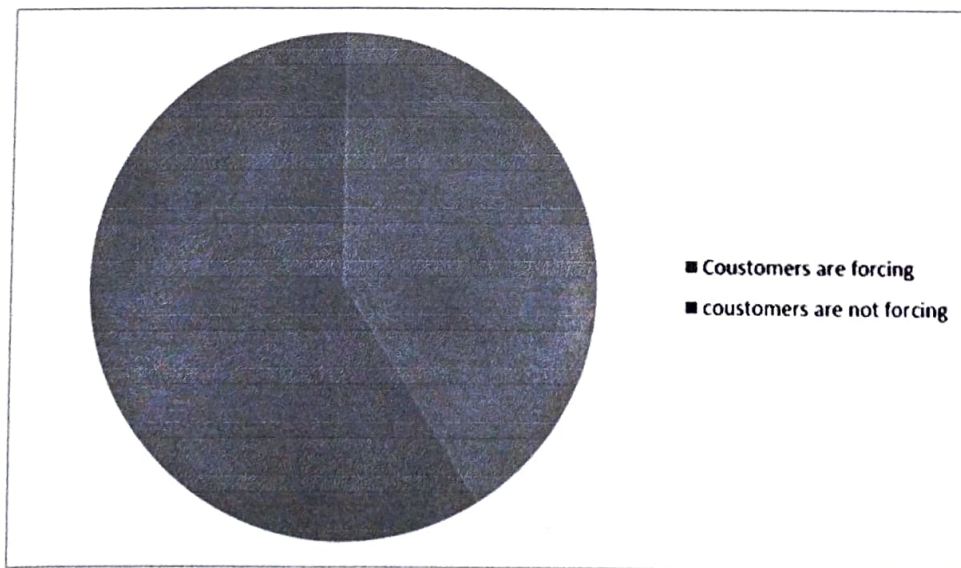


Interpretation :- Out of 100 respondents, 74 respondents said that agents are having proper license to issue PUC certificate. 26 respondents said that agents are not having proper license to issue PUC certificate.

Table No. 4 :Table showing customers are asking for implementing the procedure of issuing PUC certificate

Implementing the procedure	No. of Respondents
Customers are forcing	41
Customers are not forcing	59

(Source-Field Work)

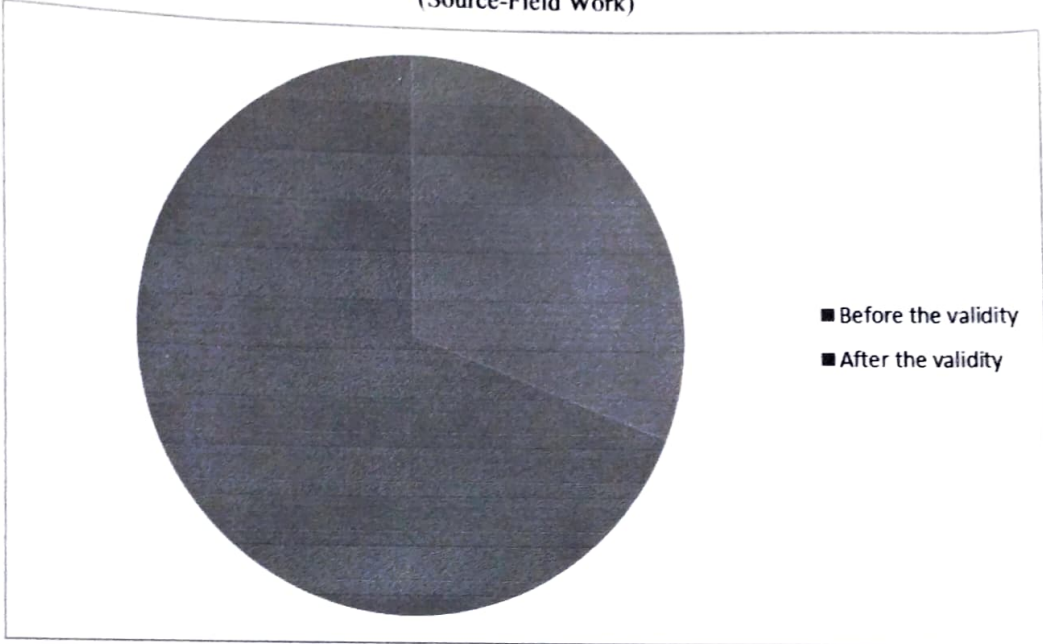


Interpretation :- Out of 100 respondents, 41 respondents said that we are forcing agent to implement the procedure before issuing PUC certificate. 59 respondents are reluctant or not forcing the agent to implement the procedure before issuing PUC certificate.

Table No-5: Table showing renewing the PUC certificate after the validity period

Renewal of PUC certificate	No. of Respondents
Before the validity	39
After the validity	61

(Source-Field Work)



Interpretation: - Out of 100 respondents, 39 respondents said that we are renewing the PUC certificate before the validity where as 61 respondents are renewing the PUC certificate after the validity period.

Testing of Hypothesis:-

H0 – There is no significance relationship between PUC certificate and protection of environment.

H1 – There is significance relationship between PUC certificate and protection of environment

Comments: - Out of 100 respondents, 79 respondents said that PUC certificate is useful to protect the environment. This shows that environment awareness is there among the people. So there is a significant relationship between issuing of PUC certificate and developing healthy environment.

Therefore, **Alternative Hypothesis is accepted** i.e. there is significance relationship between PUC certificate and healthy environment.

H0 – Existing PUC center system is working efficiently.

H1 –Existing PUC center system is not working efficiently.

Comments: - As per Table NO. 4 it is cleared that customers are responsible behind not using issuing of PUC certificate procedure. Out of 100 respondents, 59 respondents are not forcing for implementing the procedure of issuing PUC certificate. The mentality of customers should be changed. Similarly, PUC center agent should take initiative for using proper procedure of issuing PUC certificate.

Therefore, **Alternative Hypothesis is accepted** i.e. Existing PUC center system is not working efficiently.

FINDINGS OF THE STUDY

1. Positive sign of the research study is that people are aware that issuing of PUC certificate is useful to protect the environment.
2. Government should make it compulsory agent to do the registration.
3. Out of 100 respondents, 26 respondents said that agents are not having proper license.
4. Out of 100 respondents, 59 respondents are not forcing the agent to implement the procedure of issuing PUC certificate.
5. Out of 100 respondents, 61 respondents are taking PUC certificate after the expiry of validity period.

RECOMMENDATIONS

- Before issuing driving license, create awareness about PUC certificate.
- The awareness campaign should be conducted at all level i.e. at customer level as well as at agent level.
- Board offices should be set up in each area who can monitor the working of PUC agent in their respective area.
- Enforcement of punishment against those who are not having PUC certificate
- After expiry date if customers are taking PUC certificate, heavy penalty should be charged.
- The agent, must have license of Pollution control board.
- Renewal period should be thrice in a year
- There should be cash prizes or certificate of merit who follow the rules and procedure.
- Need to create awareness about online procedure of obtaining PUC certificate
- Need to increased the number of agencies. At present only 87 agencies in Mumbai.
- Need to publish the record of Green fund.
- Maximum use of public transport.

CONCLUSION

With the help of research study, it is concluded that the purpose of issuing of PUC certificate is not fulfilling the requirement of protection of environment. In fact it is an income generating source for agents in the present scenario.

This situation may change in the near future by creating awareness among the agent as well as among the customers. Similarly, Government has to take necessary initiative for implementing the procedure of issuing PUC certificate.

REFERENCES

- Mahanagar Palika – Ms. Vidya Sawant(Secretary, pollution control officer
- Maharashtra pollution control Board- Mr. Vikrant Bhalerao(DY. Regional officer chairman section)
- RTO office,Thane
- RTO Head Inspector,Thane – Mr. Sachin Gawade
- PUC Agent,Thane
- RTO agent,Thane