

Impact and Causes of Traffic Congestion and Solution: A Case Study of Domohani Bazaar

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Abstract – Diffusion of culture and for all round development of a nation for example improvement of education, health, economic development, and social and domestic purpose well connected transportation network system is necessary. But sometime we are facing so many different kinds of physical, economic, social and cultural problems when fall in a traffic congestion due to a lot of reason. Traffic jam is a common fact to the local people of domohani village. Lack of proper monitoring or due to violating norms they have to face ten to fifteen times traffic congestion daily from 9am to 6pm. This paper basically deals with the nature, impact ,causes and probable solution of that's kind of traffic congestion of domohani bazar in Baraboni C.D Block in Asansol sadar sub division of Paschimin Bardhaman district of West Bengal .. The paper also suggests a batter plan or alternative proposal to minimize frequent type of congestion to this area.

Key Word: Congestion, Opencast Coal Mine, Manmade Congestion, Traffic Load, Emission, Engine Roar, Special Police.

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INTRODUCTION

Domohani Bazaar the name is closely related with traffic congestion. From the long time the people are suffering by this kind of problems which is increasing day by day. There are fifteen to twenty time traffic jams daily which hamper daily lifestyle and cultural habitat of the local dwellers. Several important road are merged together on bazaar areas as Nazrul Sarani earlier known as Domohani road), Churulia road, Domohani - Jamuria road, Domohani Bazaar Laganj road. Due to narrowing of the road day by day for different reason and increasing vehicle pressure cause heavy congestion on the day time and evening also.

LOCATION:

Domohani which is also known as Domohani Bazaar is a census town in Baraboni C. D Block in Asansol sadar sub division.of Paschim Brahman district in the state of west Bengal (23°45'25.0"N 87°01'32.2"E).Domohani churulia road has highly socio - economic importance because it connect birthplace of great revolt poet kabi kazi Nazrul Islam on the other hand the road connect Goenka opencast coal mine .The Jamuria Domohaniroad also connect sponge iron industrial belt of Ikhra semi town also. As per 2011 census Domohani had a total population of 12480 of which 6423 (51%) were male and 6067 (49%) were female.



OBJECTIVE:

- ▶ To find out the reason behind this traffic congestion.
- ▶ Identify man made artificial congestion.
- ▶ How local economy is hampered due to this traffic.
- ▶ How education system and daily social livelihood is suffering.
- ▶ Culture is hampered by also sight pollution and other kind of pollution in bazaar area.
- ▶ Find out alternative suggestion that how to solve this problem.

METHODOLOGY:

- ▶ To collect data from Asansol mini bus association and from other sources.
- ▶ Talking to the local people suffering from traffic congestion.
- ▶ Graphically represent the traffic load on road by the help of flow chart for more easily to understanding.
- ▶ Observation on this road from 9am–6pm.
- ▶ Collect information from traffic police and market shop beside bazaar rode areas.

CAUSE OF CONGESTION:

- ▶ The road is much more narrow (14 ft.) in comparison to its traffic load.
- ▶ Twelve, ten wheeler and tractor vehicle are responsible for maximum number of congestion which carry most of the time sand from Amulia and Churulia ghat , coal and gul from Goyenka opencast coal mine and other illegal mine from Madanpur, Jamgram, Kapistha, Rasunpur, and Churulia also. There is also some Brick factory from where twelve wheeler carriers are causing jam in day time.
- ▶ Sometime twelve or ten wheeler is merging from both sides due to traffic legacy then it take time clear jam.
- ▶ There are no traffic signal in mid bazaar area where three important road meet together.
- ▶ Day by day increasing number of public vehicle or commercial vehicle is or their irresponsible driving.
- ▶ Very common case of Domohani bazaar area that lot of number of two wheelers is parking on road beside grocery or for other buying purpose and they create artificial traffic jam.
- ▶ Two years ago there are some special police to manage jam from Baraboni Ps. but they are terminated now.
- ▶ Sometime civic police are also missing or they are not sufficient to clear or prevent that's kind of congestion on the peak time.
- ▶ Few number of market shop extend their platform within the road half or one feet causes problem sometimes.
- ▶ It is also happened that that during one and half hrs. long material is unloaded during day

time for different kind of market shop beside road create man made traffic congestion.

Traffic load on road from 9.00 am -9.00pm

Origin	Destination	Bus	Tractors	Twelve Wheeler	Ten Wheeler	Auto/Toto	Bike
Asansol	Churulia	12					250
Asansol	Jamuria	03					300-500
Asansole	Haripur	14					100-200
Domohani	Different distination		150-250	500	350	100	1200-1500
Churulia	Domohani and others		50-100			100 and above	500
Asansol	Domohani	6				50-100	750-1000

Source - Asansol Municipal Corporation and Author Own Computation

Evidences of Congestion



Impact of congestion:

Impact is both negative and positive kind as follows.

• Negative impact:

- ▶ Frequent type of traffic jam everyday means waste of both time and energy for the daily office employees and school going children.
- ▶ Bazaar market is also suffered because local people can't easy access to the market for their daily purpose.
- ▶ Due to the high emission of various gases from vehicle during congestion make bazaar environment polluted.
- ▶ Noise pollution is another to the habitat area beside main road due to a lot of vehicle engine roar at a same time in jam area.
- ▶ Newly vehicle parts are quickly damaged due to frequent break and accelerator when traffic is not clear.
- ▶ Sometime local drivers or passengers are also involved in fight or other unsocial activities due to intolerance during congestion.

• Positive impact :

- ▶ There are some positive impact also as follows
- ▶ There is no accident in Domohani bazaar areas due to congestion vehicle speed is maximum time is in average or lower.
- ▶ Local bazaar market sometime benefited from this jam because they are getting flying customer who are prefer to spend their time in shopping rather make them statue in congestion.
- ▶ Local people and administration are aware about jam and trying to find out solution and administration are in pressure by local habitat is a good symbol

• Alternative suggestion to solve this problem:

- ▶ There are must be a bypass road outside the main market area to reduce traffic load.
- ▶ Traffic signal must be introduce where road from three important area where road from three side are merge together.
- ▶ Civic police who stay on traffic must be trained.
- ▶ Baraboni police should be stricter for the bikers who park their vehicle on road.
- ▶ From Baraboni ps. Awareness program should be necessary for the local people to stop artificial traffic jam.
- ▶ Twelve or ten wheelers pass should be stop during day time for social purpose.
- ▶ Forcefully occupied area of pwd road by the local habitat or market area enhance on road should immediately clear as soon as possible.

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