APPENDIX-A

MODEL QUESTIONNAIRE TO DRIVERS

Dear Respondents

Sir/Madam,

I am a Research scholar of the Department of Commerce of Gauhati University. I am currently doing a Ph.D on “PROBLEM AND PROSPECTS OF ROAD TRANSPORTATION IN GUWAHATI CITY”. Your responses and co-operation are very essential towards conveying my research in this regards.

The following questionnaire carries a few questions related to my research. I would like to request you to kindly spare a few minutes to answer these question. Your answer will be kept strictly confidential and will be used for research purposes only. Your help will go a long way in assisting me to complete my research.

I will be highly obliged and grateful to you, if you provide me information on the following.

Thanking you in anticipating of a sincere response.

Raju Subba
Research Scholar, Department of Commerce
Gauhati University, Guwahati-14

Name.............................................................. Today’s Date.........................
Designation.............................................. Age...... Monthly income...............
Address........................................................ Type of Vehicle......................
Phone number............................................. Sex: Male □ Female □
1. What is the main problems in road transportation in Gauhati?

- Traffic jam
- Behaviour of passengers
- The Conduct of traffic police
- The driving of the other vehicle
- Any other

2. What is the main reason for traffic jam in Guwahati?

- Increased number of vehicles
- Improper road plan
- Indiscipline manner of driving and parking of vehicle
- Improper management of the traffic police
- Continuation of the construction of the Fly over/over bridge
- Any other

3. Have your vehicle committed with any accident?

- Once
- Two times
- More than two times
- Not at all

4. Do you require paying bribe to traffic police?

- Frequently
- Some time
- Rarely
- Not at all

5. Do you require to use mobile phone while driving?

- Some Time
- Regularly
- Rarely
- Not at all

6. What is the average speed limit of your vehicle inside the city?

- 20 to 40 km per hour.
- 40 km to 60 km per hour
- 60 km to 80 km per hour
- More than 80 km per hour

7. For how many years have you been driving your vehicle?

- More than 10 year’s
- Less than 10 yrs but more than 5 yrs
- Less than 5 yrs but more than 2 yrs
- Less than 2 yrs

8. Do you require to overtake other vehicle?

- Regularly
- Sometime
- Not at all
9. Do you check the problems of your vehicles time to time?
   - Very frequently
   - Rarely
   - Sometime
   - Not at all

10. Do you have pollution control certificate?
    - Yes
    - No

11. Do you make proper use of upper and deeper lights of your vehicle?
    - Regularly
    - Sometime
    - Rarely
    - Not at all

12. At what time does your vehicle enter the city (truck)?
    - Before 10 am
    - 10 am to 7pm
    - 7pm to 10pm
    - 10pm to 2 am

13. Do you think that bus bays system will reduce road blockade?
    - Yes
    - No

14. Have you been imposed penalty by traffic police?
    - 1 to 2 times
    - 2 to 5 times
    - more than 5 times
    - Not at all

15. Have you been committed road accident? If yes than
    - More than 5 times
    - Less than 5 times
    - Not at all

16. Your speed limit inside the city.
    - 20 to 30 km/h
    - 30 to 40 km/h
    - 40 to 50 km/h
    - 50 km/h and more

17. Number of person engaged in your vehicle
    - Less than 2
    - 2 to 3
    - None

18. What is your carrying capacity of the vehicles?
    - ..........................................................

19. Does the signage and marking installed at different corner and street are proper?
    - Yes
    - No
APPENDIX-B

MODEL QUESTIONNAIRE TO DTO

Dear Respondents

Sir/Madam,

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Thanking you in anticipating of a sincere response.

Raju Subba
Research Scholar, Department of Commerce
Gauhati University, Guwahati-14

Name................................................................. Today’s Date..........................

Designation..........................................................

Address..................................................................................................................................

Phone number.................................................. Sex: Male ☐ Female ☐
1. How many vehicles get registered in a month approx?
   □ ..........................................................

2. While issuing driving license to the drivers, do you conduct driving test?
   □ Yes □ No

3. If the drivers license validity is over then do you take fine for re-issuing the same?
   □ Yes □ No

4. While registering the vehicles do you check the capacity of the roads?
   □ Yes □ No

5. Is any written examination conducted for issuing license to the drivers?
   □ Yes □ No

6. What happens if the drivers commit accidents more than three times regularly?
   □ ..........................................................

7. When does the drivers’ license get seized?
   □ ..........................................................

8. How many months a driver or vehicle owner can drive the vehicle without registering?
   □ ..........................................................

9. How many days a learner can drive vehicles with learner license?
   □ ..........................................................

10. Are there any vehicles on the roads without paying roads tax?
    □ Yes □ No

11. Are there any restrictions to run the vehicles which have other state registration like ML & AR?
    □ Yes □ No
12. On what basis license is issued to the drivers?
   □ ............................................................................................................

13. In a house people may have more than one vehicle again they buy new Vehicles in such conditions will DTO inquire in the time of registering new car?
   □ ............................................................................................................

14. Will capacity of vehicle be checked by MVI?
   □ Yes □ No

15. What is the number to change the series of registration?
   □ ............................................................................................................

16. Are there any instructions from the ministry of roads transportation about the maximum number of registration in a month?
   □ Yes □ No

17. Whether the road constructions department like PWD and NHAI inquires about the registration of vehicles for expansion of road capacity?
   □ Yes □ No

18. Whether the vehicle registration will be given to school or college going students?
   □ Yes □ No

19. While conducting driving test, will DTO give instruction about the rules and regulation?
   □ Yes □ No

20. Do you conduct any awareness camp about the road safety?
   □ Yes □ No

21. Kindly comments a few lines for overall development of roads transportation in Guwahati city.
   ..................................................................................................................
MODEL QUESTIONNAIRE TO TRAFFIC POLICE

Dear Respondents
Sir/Madam,

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I will be highly obliged and grateful to you, if you provide me information on the following.

Thanking you in anticipating of a sincere response.

Raju Subba
Research Scholar, Department of Commerce
Gauhati University

Name................................................. Today’s Date.....................
Designation..............................................
Address..........................................................................................
Phone number.............................................. Sex: Male □ Female □
1. Various methods and measures have been adopted to control the traffic, are these measures sufficient for the smooth functioning of roads?
   - Yes
   - No

2. Do you think these measures are sufficient?
   - Sufficient
   - require improvement
   - Not sufficient

3. If you think existing measures of traffic control need modification, than what sort of improvement or changes you aspect?

4. Do you think that number of traffic police recruited/engaged for traffic control is
   - Sufficient
   - insufficient

5. Do you think that the responsibility assigned to you is
   - Manageable
   - more than manageable level
   - inadequate

6. Are you transferred from your service site
   - frequently
   - sometime
   - Rarely

7. What are the other problems you faced in rendering your service?

8. What are the categories of vehicle violating norms more
   - .................
   - ................
   - .................

9. What do you feel that the reason for traffic problem is
   - Narrow road
   - large nos of various vehicles
   - Conduct of vehicles drivers’
   - other reasons.

10. Do the people use the flyover to cross the roads?
    - Yes
    - No
11. If a vehicle is parked in the populated area or in the no parking zone will it be taken away by the police?
   □ Yes □ No

12. Do the citizens or drivers follow the traffic rules?
   □ Yes □ No

13. Whether different time is permitted for different vehicles like heavy and light in different times?
   □ Yes □ No

14. Are only the traffic police sufficient to control the traffic congestion of the city?
   □ Yes □ No

15. Does the running of private and public vehicles together on roads create problems?
   □ Yes □ No

16. Will the construction of flyovers in the very populated areas give the ultimate solution for traffic congestion?
   □ Yes □ No

17. Do you think that traffic congestion problem will be over if pedestrian people will walk on the footpath?
   □ Yes □ No

18. Do you check the capacity of vehicle on time to time?
   □ Yes □ No

19. Do you think that vehicle free zones should create in the some of the populated areas?
   □ Yes □ No

20. Give your suggestion for the problems of road transportation in guwahati city?
APPENDIX-D

MODEL QUESTIONNAIRE TO GMDA

Dear Respondents

Sir/Madam,

I am a Research scholar of the Department of Commerce of Gauhati University. I am currently doing a Ph.D on "PROBLEM AND PROSPECTS OF ROAD TRANSPORTATION IN GUWAHATI CITY". Your responses and co-operation are very essential towards conveying my research in this regards.

The following questionnaire carries a few questions related to my research. I would like to request you to kindly spare a few minutes to answer these question. Your answer will be kept strictly confidential and will be used for research purposes only. Your help will go a long way in assisting me to complete my research.

I will be highly obliged and grateful to you, if you provide me information on the following.

Thanking you in anticipating of a sincere response.

Raju Subba
Research Scholar, Department of Commerce
Gauhati University

Name............................................................. Today’s Date.........................

Designation..................................................

Address...........................................................................................................

Phone number.............................................. Sex: Male ☐ Female ☐
1. Will people follow the norms of GMDA while constructing buildings?
   □ Yes □ No

2. While widening roads in the city peoples house are broken down, does the government pay compensation for the eviction?
   □ Yes □ No

3. Do you think that underground vehicle parking system is well enough for the smooth functioning of the roads?
   □ Yes □ No

4. What are the steps taken by the GMDA for pedestrian and cyclist’s people?
   □ .......................................................... ..........................................................

5. Do you think that constructing footpath is the only way for non-motorized people?
   □ Yes □ No

6. Does GMDA co-ordinate with the DTO for widening the roads in the city?
   □ Yes □ No

7. Though many initiatives have been taken by the various department related to the town planning for controlling flood in the city, still it is occurring why?
   □ .......................................................... ..........................................................

8. Many flyovers and footpath have been constructed for making the city beautiful; still the traffic congestions are taking place. What is the reason behind it?
   □ .......................................................... ..........................................................

9. Can GMDA make some vehicle free zones in the city market areas for making the city beautiful?
   □ Yes □ No

10. Do you think that small and tiny shops should exist in the city area?
    □ Yes □ No
11. Do you think that rickshaws, auto-rickshaws, vans, goods carrier are giving problems in the city?
   □ Yes   □ No

12. Do you agree if the time frequency of the public buses reduced then it will be more effective for smooth functioning of the roads transportation?
   □ Yes   □ No

13. Do you agree if the goods carrier vehicles time will be changed as in the night then it would be more effective?
   □ Yes   □ No

14. What is the maximum number of buses that can travel in one route?
   ............................................................

15. Do you think those city trekkers and other small passengers vehicle should be eliminated from the city?
   □ Yes   □ No

16. Do you think that school and college going student should use vehicle?
   □ Yes   □ No

17. Do you think that school and colleges in the city causing traffic congestion?
   □ Yes   □ No

18. Do you think that Guwahati Railway Station, Bus terminals Machkhowa & Paltan Bazar ASTC bus stand creating problems in the city?
   □ Yes   □ No

19. What kinds of initiatives have been taken by the GMDA for making smooth transportation in the city?
   ............................................................

20. What is the plane and policies of the Government on road transportation in the city?
   □ Yes   □ No

21. Do you have any prescribed structure of road layout of the Guwahati city?
   □ Yes   □ No
APPENDIX-E

MODEL QUESTIONNAIRE TO PASSANGERS

Dear Respondents

Sir/Madam,

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I will be highly obliged and grateful to you, if you provide me information on the following.

Thanking you in anticipating of a sincere response.

Raju Subba
Research Scholar, Department of Commerce
Gauhati University, Guwahati-14

Name…………………………………………………..       Today’s Date………………
Designation………………………….Age………………       Monthly income………..
Address…………………………………………….............................................................
Phone number………………………………………               Sex:  Male ☐  Female ☐
1. How many times you go out each day/each week- 1/2/3/4/5/6.

2. For what purpose you go out:
   * To take children to school/stadium/tuition/ any other specify:
   * To office/ working place
   * Recreation- Cinema/Park/Social Activities
   * Marketing/Household activities
   * Income oriented extra work
   * other

3. What is your preferred vehicle for day to day conveyance?
   (Give preference 1, 2, 3 and 4)
   a) Bus
   b) Trekker
   c) Own vehicle
   d) Other (Specify)

4. Why do you prefer the vehicle (More than one answer may be preferred)
   a) Least costly
   b) high Speed
   c) Low speed
   d) Comfort ability
   e) Other reason (specify)

5. How many Km you travel per day?
   a) Km by bicycle/Rickshaw
   b) km by Bus
   c) Km by motor cycle/scooter
   d) km by own car
   e) Km by office vehicles

6. What is your opinion on the behaviour of the persons engaged with the vehicles?
   a) Cordial
   b) Rough
   c) Polite
   d) Normal

7. Problems faced in travelling:
   **By Rickshaw**
   Exorbitant Fare
   Traffic congestion
   show dust
   Road surface condition
   one way system
   **By Bus:**
   Traffic congestion
   Passengers Behaviour
   Dust
   Smoke
   Frequent stoppage
   more stop time in stoppages
   Conductor’s behavior
   exorbitant fare

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By two wheelers:
Traffic Congestion ☐ smoke ☐ Dust ☐ Road condition ☐

By own cars/office vehicles:
Traffic congestion ☐ Parking ☐ Smoke ☐ Dust ☐
One way system ☐ Narrow roads ☐ Road condition ☐

8. Which is the problem you consider as main problem for transportation in Guwahati?
   a) Increasing rate of fare ☐ b) Air & sound pollution ☐
   c) Traffic jams ☐ d) Misconduct of the person engaged in vehicles ☐
   e) Other problem (specify) .......................................................... 

9. At which time do you commuter to work?
   Morning a) 7.30-8.30am........b) 8.30-9.30 am........c) 9.30-10.30am........
   Evening a) 3.00-4.00pm........b) 4.00- 5.00pm........c) 5.00-6.00pm........

10. What is the main reason of traffic jam in Guwahati?
    a) Increased number of vehicles ☐ b) Improper road plan ☐
    c) In discipline manner of driving and parking of vehicle ☐
    d) Improper management of the traffic police ☐
    e) Continuation of the construction of the Fly over/over bridge ☐
    f) Any other reason ........................................................................

11. What is your suggestion for solving the problems of traffic jam?
    a) Widening of roads ☐ b) Construction of Fly over/over bridge ☐
    c) Restriction on transportation of vehicles ☐
    d) Improving the service of traffic police ☐
    e) Proper orientation/training for drivers of the vehicle ☐
    f) Any other suggestion ........................................................................

12. Any problems you find in traffic signals. Yes/No. If yes, please mention...........
13. Do you prefer water transport for commuting? If no than state the reason..........................

☐ Yes          ☐ No

14. Does the school vehicles creates traffic problem in the city?

☐ Yes          ☐ No

15. Give your suggestions and remedial measures which you think most important............................................................