



Request for Proposal

Carrying out Traffic & Transport Surveys in Three Cities in Gujarat



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Data Sheet

S. No.	Description	Date/ Details
01	Tender Release Date	July 7, 2026
02	Tender Due date	July 15, 2026 by 3:00 PM in DIMTS Office
03	Tender Opening Date	July 15, 2026 by 4:00 PM in DIMTS Office
04	Contact Person	Mr. Shashank Shekhar Contact: 011- 43090250 M/o- 7892184296 shashank.shekhar@dimts.in Mr. Umang Jain Contact: 011- 43090254
05	Physical Submission of Tender	Physical Submission is required (Only in sealed envelope)

Request for Proposal

Carrying out Traffic & Transport Surveys in Three Cities in Gujarat

Delhi Integrated Multi-Modal Transit System (DIMTS) Ltd. seeks to engage a qualified Bidder to conduct “**Traffic and Transport surveys in three cities i.e. Bhavnagar, Jamnagar & Junagadh Planning Area**”. The Bidder should have relevant experience and capacity to complete the required services within the specified timeframe.

1. Scope of Work

The Bidder will be responsible for conducting the following surveys across all relevant locations and coding the data in MS Excel for the study area.

Following are the surveys that are required to be conducted:

- 1. Household Survey:** Collection of household-level data on travel characteristics, socio-economic profile, and mode choice behaviour.
- 2. Classified Traffic Volume Count Survey (CTVC):** Classified vehicle counts at identified locations to capture traffic volume and composition over specified time intervals.
- 3. Turning Movement Count Survey:** Recording of directional traffic movements at intersections during peak and off-peak periods.
- 4. Parking Survey:** Evaluation of parking supply, demand, accumulation, duration, and turnover characteristics.
- 5. Terminal Survey:** Surveys at major transport terminals to assess passenger footfall, interchange patterns, and facility usage.
- 6. Roadside Interview at Cordon Location:** Roadside interviews at designated cordon points to capture trip origin, destination, purpose, and vehicle characteristics. Minimum of 10% of sample size covering all type of vehicles/ freight vehicles individually.
- 7. Activity/ Employment Survey:** Assessment of land-use activities and employment distribution to estimate trip generation and attraction.
- 8. Transport Operator Survey:** Collection of operational and financial data from transport operators, including fleet, routes, and service characteristics.
- 9. Pedestrian Count Survey:** Enumeration of pedestrian volumes at selected locations to assess footfall and crossing demand.
- 10. Passenger O-D at Terminals:** Assessment of passenger origin-destination patterns at major transport terminals.
- 11. On- Board Boarding- Alighting on Bus Routes:** Recording of boarding and alighting passenger volumes at each bus stop along selected routes.
- 12. On-Board PT/ IPT Passenger Survey:** Onboard surveys to determine complete passenger trip patterns across PT/ IPT routes.
- 13. Willingness to Shift Surveys based on stated preference surveys:** Assessment of commuter willingness to shift to public or non-motorized transport under improved scenarios.

Interested parties are invited to submit their credentials for similar services exhibiting above-stated requirements and price quotes for the requirements specified in Table 1. The same should be submitted in hard copy in a sealed envelope no later than **15:00 Hrs. on July 15, 2026**.

Table 1 provides further details on the survey locations and specific requirements for conducting the surveys.

Table 1. Details of the Surveys to be conducted

S. No	Survey Type	Duration	Method	Bhavnagar	Junagadh	Jamnagar
				Package-1	Package-2	Package-3
01	Household Survey	-	Interview Based	3200 Samples	1700 Samples	3500 Samples
02	Classified Traffic Volume Count Survey (CTVC)	24 hours (Weekday)	Videography method	15 Locations	13 Samples	13 Samples
03	Turning Movement Count Survey	16 hours (Weekday)	videography method	12 Locations	9 Locations	11 Locations
04	O-D Survey at Cordon Locations (Minimum 10% sample size)	24 hours (Weekday)	Road side interview	7 Locations	7 Locations	7 Locations
05	On- Street Parking Survey	16 Hours	Registration Plate Method (Video Based)	9 Locations	12 Locations	14 Locations
06	Off- Street Survey	16 Hours	Registration Plate Method	14 Locations	7 Locations	4 Locations
07	Truck Terminal Surveys/ Freight Activity centres	-	Questionnaire Based	6 Locations	6 Locations	6 Locations
08	Activity Survey/ Establishment survey	-	Structured interview schedules / questionnaires	700 Samples	400 Samples	700 Samples
09	Transport Operator Survey	-	Operator interviews and structured questionnaires	30 Samples	30 Samples	30 Samples
10	Pedestrian Volume Count Survey	12 Hours	Videography method	8 Locations	10 Locations	13 Locations
11	IPT User Survey	12 Hours	Structured interviews	500 Samples	400 Samples	400 Samples
12	Passenger O-D at Terminals (Bus, Railway, Airport etc.)	12 Hours	Structured passenger interviews	5 Locations	2 Locations	4 Locations
13	On- Board Passenger Boarding- Alighting Survey	12 Hours	Manual on-board counts	20 Routes	20 Routes	20 Routes
14	On-Board PT/ IPT Passenger Survey	12 Hours	On-board passenger interviews	500 Samples	300 Samples	500 Samples

S. No	Survey Type	Duration	Method	Bhavnagar	Junagadh	Jamnagar
				Package-1	Package-2	Package-3
15	Willingness to Shift Survey based on stated preference Surveys	-	structured interviews	100 Samples	100 Samples	100 Samples
16	Road Inventory Survey (Optional)	-	Manual	300 Km	300 Km	300 Km

- The type of surveys and the quantities mentioned are subject to change based on the Client's requirements and field conditions. The exact survey locations for each of the survey packages will be provided to the successful Bidder upon the issuance of the Work Order. The formats for each of the surveys outlined in Table 1 are provided in Annexure 1 for reference.
- The successful bidder shall commence surveys simultaneously in all three Survey Packages and complete all field surveys within three weeks.

2. Time Period for Completion of Work

This section outlines the timelines for the completion of the surveys and associated tasks.

- The tentative date of commencement of surveys shall be **3rd August, 2026 for all the three survey packages** and are expected to be completed within **three weeks** from the date of initiation of the surveys. Data coding and entry in MS Excel must be carried out for all surveys by the Bidder in English and submitted to DIMTS via email within **four weeks of date of initiation of surveys**. All scanned copies of the survey response sheets should be submitted on a suitable hard disk.
- No extension shall be granted merely because surveys in another package are pending
- Bidders are required to submit a **detailed work plan** indicating the **deployment plan** for carrying out each of the survey.
- Separate **Work Plan** and **deployment schedule** to be submitted for **each of the city**.
- Data coding and entry should occur simultaneously with the surveys. Soft copies of the survey data must be submitted to DIMTS within three days of completion of survey at each location for that specific day (for example, if a survey is conducted at a specific location on Day 1, the coded data must be submitted no later than Day 4.)
- Any suggestions or corrections must be incorporated and resubmitted by the Bidder to DIMTS within three days of receiving the suggestions/ corrections.

3. Terms and Conditions

This section outlines the key requirements and responsibilities for conducting transport surveys in Bhavnagar, Jamnagar & Junagadh planning areas.

3.1. Survey Management and Personnel

3.1.1. Supervision and Training

- A trained and experienced supervisor must be present at all survey locations at all times.

- b. The enumerators carrying out surveys that involve personal interviews should be familiar with local language (Gujarati).
- c. All traffic survey enumerators and supervisors should be well-trained before each survey begins. The minimum age requirement for enumerators must comply with local laws.
- d. Ensure that the Household Survey (HHS) format is completed for all questions and respondent records. Any survey forms with incomplete responses or missing information will be treated as invalid and will not be counted toward the required sample size. Such surveys shall be repeated by the bidder at their own cost. Surveyor should capture details of trip made by the family member of Household.

3.1.2. Manpower Deployment

- a. Manpower deployment must align with the survey requirement.

3.2. Permissions

- a. The Bidder must secure all permissions and arrange ID cards for survey enumerators conducting surveys prior to the survey's commencement.
- b. Valid ID proof, including photographs and Aadhar cards of all survey enumerators, must be provided to issue entry passes for conducting on-board surveys or surveys at transport nodes.

3.3. Survey Materials and Infrastructure

- a. **Survey Forms and Stationery:** The Bidder is responsible for procuring all hard copy survey formats and necessary stationery items (e.g., pens, pads, etc.). DIMTS will provide the soft copy of the survey formats.
- b. **Infrastructure Provision:** The Bidder must supply all necessary equipment and accessories for the smooth conduct of surveys, including safety jackets, lighting (for night-time or low-light conditions), temporary seating, tents, traffic cones, batons, etc., and maintain this equipment throughout the survey duration.

3.4. Data Collection and Submission

- a. **Data Management:** Data coding and entry in MS Excel must be conducted for all surveys by the Bidder in English and submitted to DIMTS via email within **four weeks of date of initiation of surveys**. All scanned copies of the surveys should be submitted on a hard disk.

3.5. Quality Assurance and Costs

- a. **Quality Assurance:** If DIMTS is unsatisfied with the quality of the data, the specific survey may need to be repeated on the same day of the week, with costs covered by the Bidder.
- b. **Cost Responsibilities:** The Bidder is responsible for covering all costs- Train/ air/ bus/ cab travel, local transportation costs (to and from survey locations), food, and any other daily allowances for supervisors and enumerators.

4. Pre-Qualification Criteria

S. No.	Parameter	Criteria	Documents Required
1	Company Profile	<p>The Bidder should be a COMPANY registered under the provisions of the Indian Companies Act, 2013 / Companies Act, 1956 or a PARTNERSHIP FIRM registered under the Indian Partnership Act, 1932 or the Limited Liability Partnerships Act, 2008 or a SOCIETY (as per the Indian Societies Registration Act, 1860) or a TRUST (as per The Indian Trusts Act, 1882) or a proprietorship firm.</p> <p>Registered with the Income Tax Authorities</p> <p>Registered with GST Network.</p>	<ol style="list-style-type: none"> 1. Copy of certificate of incorporation/ registration under the Company's Act; Partnership deed; Society's Act; or any other certificate as per provisions of Govt. of India. 2. Copy of PAN Card 3. Copy of GST Registration Certificate 4. Documents supporting name change (if any) should also be submitted.

If the above-mentioned Pre-qualification Criteria are not satisfied, then the Technical Proposal will not be further evaluated.

5. Technical Evaluation Criteria for selection of bidder

S. No.	Description	Maximum Marks										
1.	UNDERSTANDING OF ASSIGNMENT											
A.	Work Plan showing the detailed week-wise man- power Deployment for the surveys for each of the city separately.	20										
B	Methodology & Strategy for Household Interview Surveys	20										
2.	FIRM CREDENTIALS											
A.	<p>The Bidder, in its last 5 years of experience, should have completed similar/ relevant projects/ assignments</p> <p>‘Similar/ relevant projects/ assignments’ include carrying out surveys for Comprehensive Mobility Plans/ Comprehensive Traffic and Transportation Studies/ Urban Planning Studies.</p> <p>The marks will be awarded as under:</p> <table border="1"> <thead> <tr> <th>Number of projects</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>Up-to 5projects</td> <td>5</td> </tr> <tr> <td>6- 10 projects</td> <td>15</td> </tr> <tr> <td>11 to 15</td> <td>25</td> </tr> <tr> <td>> 15 projects</td> <td>40</td> </tr> </tbody> </table> <p>Supporting documents required –</p> <ol style="list-style-type: none"> Copy of Contract/ Work Order (including Scope of Work) (Mandatory) Completion Certificate/ proof of Final delivery for each of the qualified projects (Optional) Client testimonials/ satisfaction certificates (Optional) 	Number of projects	Marks	Up-to 5projects	5	6- 10 projects	15	11 to 15	25	> 15 projects	40	40
Number of projects	Marks											
Up-to 5projects	5											
6- 10 projects	15											
11 to 15	25											
> 15 projects	40											
B	<p>The Bidder shall have successfully conducted Household Surveys for at-least 3 cities with population more than 10 lakhs in last five (5) years.</p> <p>The marks will be awarded as under: Total samples collected cumulative</p> <table border="1"> <thead> <tr> <th>Number of cities</th> <th>Marks</th> </tr> </thead> <tbody> <tr> <td>3 cities</td> <td>5</td> </tr> <tr> <td>4 to 6 cities</td> <td>12</td> </tr> <tr> <td>More than 6 Cities</td> <td>20</td> </tr> </tbody> </table> <p>Supporting documents required –</p> <ol style="list-style-type: none"> Copy of Contract/ Work Order (including Scope of Work) 	Number of cities	Marks	3 cities	5	4 to 6 cities	12	More than 6 Cities	20	20		
Number of cities	Marks											
3 cities	5											
4 to 6 cities	12											
More than 6 Cities	20											
	Total Technical Proposal Score	100*										

***Minimum qualifying score for a Technical Proposal is 70.**

In response to this RFP, the Bidder shall have to submit appropriate documents to demonstrate the following aspects:

1. Bidder with prior experience in conducting classified traffic volume count surveys and turning movement count surveys using digital methods like Video cameras, Tablets, etc. would be given preference.
2. Bidder with prior experience in conducting Household Survey using digital methods like Tablets, Mobile phone etc. would be given preference.
3. Bidder with prior experience of conducting surveys in Gujarat and having survey enumerators with proficiency in Gujarati language will be preferred.
4. Demonstrate capability to simultaneously deploy adequate manpower, supervisors, equipment, and logistics to execute all surveys across Bhavnagar, Jamnagar, and Junagadh Planning Areas within the stipulated three-week period.
5. The Bidder should have proven fast counting processing methods (preferably automated) for classifying vehicles from the videos captured.

6. Format for Financial Quote

The separate financial quote for all the three survey packages (Bhavnagar, Jamnagar & Junagadh) shall be submitted under the major headings in the format provided in Table 2 separately for each city, detailing the unit rates for each item and the total amount in Indian currency.

Table 2. Survey Quotation summary with fee rates and Quantity

S. No	Survey Type	Duration	Tentative number of locations/ Samples	Unit Price INR)	Total Price (INR)
01	Household Survey	-			
02	Classified Traffic Volume Count Survey (CTVC)	24 hours (Weekday)			
03	Turning Movement Count Survey	16 hours (Weekday)			
04	O-D Survey at Cordon Locations (10% sample size)	24 hours (Weekday)			
05	On- Street Parking Survey	16 Hours			
06	Off- Street Survey	16 Hours			
07	Truck Terminal Surveys/ Freight Activity centres	-			
08	Activity Survey/ Establishment survey	-			
09	Transport Operator Survey	-			
10	Pedestrian Volume Count Survey	12 Hours			

S. No	Survey Type	Duration	Tentative number of locations/ Samples	Unit Price INR)	Total Price (INR)
11	IPT User Survey	12 Hours			
12	Passenger O-D at Terminals	12 Hours			
13	On- Board Passenger Boarding- Alighting Survey	12 Hours			
14	On-Board PT/ IPT Passenger Survey	12 Hours			
15	Willingness to Shift Survey based on stated preference Surveys	-			
16	Road Inventory Survey	-			
Sum Total					
GST					
Grand Total					

Bidders are required to submit **three separate financial proposals**, one for each city. The evaluation and award of work will be carried out separately for each package, and a bidder may be awarded **one or more cities** based on the outcome of the respective evaluations.

The bidders are requested to submit their proposals in hard copy in **three separate sealed envelopes**, as detailed below:

- **Envelope 1:** To be marked as **Technical Proposal** for Carrying out Traffic & Transport Surveys in Bhavnagar, Jamnagar & Junagadh Planning Areas. The Technical Proposal shall not contain any financial information.
- **Envelope 2:** To be marked as **Financial Proposal** - Bhavnagar, Jamnagar & Junagadh Planning Areas
- **Envelope 3:** To be marked as **Proposal for Carrying out Traffic & Transport Surveys in Bhavnagar, Jamnagar & Junagadh Planning Areas**. This envelope shall contain Envelope 1 (Technical Proposal) and Envelope 2 (Financial Proposals for Bhavnagar, Jamnagar and Junagadh Planning Areas).

7. Additional Scope of Work

Any additional surveys, including variations in quantities, duration or type beyond those outlined in the scope of work, will be evaluated and paid on a pro-rata basis. The payment for such surveys will be calculated according to the agreed unit rates as per the respective work order.

Note:

1. The unit rates specified above shall include all miscellaneous expenses, such as camera equipment, power backups, and stationery.

2. In the event of service termination, DIMTS will not be held liable for any associated costs or claims.

8. Payment Schedule

Payments shall be made separately against each Work Order in Indian Rupees (INR), as per the following payment schedule, upon submission of the corresponding invoice:

1. **20%** mobilization fee upon commencement of work.
2. **20%** upon successful completion of all surveys.
3. **30%** upon submission of all data in both soft and hard copies, incorporating any corrections or suggestions.
4. **30%** upon final clearance from the end client on the quality/ completion of the data collection exercise.

Please note that the data/videos shall be delivered in standard hard disk of appropriate size.

9. Selection Criteria

The method of selection is **Quality cum Cost Based Selection (QCBS)**.

The Technical Proposals of the qualified bidder shall be evaluated once as per the predefined criteria & technical score shall be common for all three Survey Packages. Only the bidder who gets an overall technical score of 70 or more will qualify for the opening of their financial bids. Failing to secure minimum marks shall lead to technical disqualification of the Bid. The total score obtained by technically qualified bidder will be based on **70:30** ratio where **70%** weightage will be given to the technical evaluation and **30%** to the financial evaluation. The Financial Proposal for each Survey Package shall be evaluated separately. Accordingly, QCBS scores shall be computed independently for Bhavnagar, Jamnagar and Junagadh. Separate Work Orders shall be issued for each Survey Package.

The highest evaluated Technical Proposal (T_m) is given the maximum technical score (S_t) of 100.

The formula for determining the technical scores (S_t) of all other Proposals is calculated as following:

$S_t = 100 \times T/T_m$, in which "S_t" is the technical score, "T_m" is the highest technical score, and "T" the score of the Proposal under consideration.

The lowest evaluated Financial Proposal (F_m) is given the maximum financial score (S_f) of 100.

The formula for determining the financial scores (S_f) of all other Proposals is calculated as following:

$S_f = 100 \times F_m/F$, in which "S_f" is the financial score, "F_m" is the lowest price, and "F" the price of the Proposal under consideration.

The weights given to the Technical (T) and Financial (F) Proposals are: T = 70,

And F = 30.

Proposals are ranked according to their combined technical (S_t) and financial (S_f) scores using the weights (T = the weight given to the technical Proposal; F = the weight given to the Financial Proposal; T + F = 1) as following: $S = S_t \times T\% + S_f \times F\%$.

The top-ranking bidders will be awarded the package according to their QCBS score. DIMTS reserves the right to award one, two, or all three Survey Packages to a bidder based on the QCBS rankings, its assessment of the bidder's demonstrated capacity to execute the assignments simultaneously within the stipulated timeline, and the outcome of the subsequent negotiations.

10. Penalty

If the work is not completed within the stipulated time frame, except in cases of force majeure or other circumstances beyond the Bidder's control, a penalty of 1% of the respective Work Order value will be imposed for each day of delay. The cumulative penalty shall not exceed 10% of the total work order value.

11. Checklist

The following checklist outlines essential guidelines for survey supervisors and enumerators to ensure the effective and accurate execution of surveys –

- ✓ **Reflective Safety Gear:** All survey supervisors and enumerators present on-site must wear reflective jackets as a safety precaution.
- ✓ **Vehicle Identification Training:** Enumerators should be thoroughly briefed and tested on the identification and classification of buses and para-transit modes they are interviewing during the OD survey.
- ✓ **Mock Survey:** A mock survey lasting a minimum of 30 minutes must be conducted at all locations at the start of each day.
- ✓ **Survey Location Setup:** Survey locations should be established as per the below:
 - **Classified Traffic Volume Count Survey:** Video camera to be setup to cover the traffic movement at the identified location.
 - **Turning Movement Count Survey:** Video camera to be setup to cover incoming and out-going traffic at each arm along with the turning movement of vehicles from one arm to another based on the intersection's geometry.
 - **Roadside OD:** Enumerators to be stationed at suitable locations near the identified survey locations, covering both the sides of traffic movement.
 - **IPT Surveys:** Enumerators should conduct surveys at IPT halts/ bus terminals/ railway terminals etc.
 - **Public Transport Passenger OD and Opinion Survey at Bus Terminals:** Enumerators should be stationed at various points within the Public Transport terminal, including boarding areas and exits

Note: The enumerator will be expected to move around in the vicinity of their designated survey point to cover a larger area.

- ✓ **Shift Change Protocol:** Enumerators scheduled for a shift change on the first day must arrive at least one hour prior to their shift, where they will be briefed and tested.
- ✓ **Use of Relievers:** Surveys must be conducted with designated relievers (already accounted for in the manpower requirements) present at all locations to cover breaks and shift changes.

- ✓ **Break Management:** Enumerators may only take breaks for food or rest when relievers are available to take their place.
- ✓ **Continuous Supervision:** Surveys must be continuously and thoroughly supervised to ensure compliance with procedures.
- ✓ **Weather Precautions:** Proper precautions should be taken to anticipate adverse weather conditions, such as rain, to prevent disruptions to the survey progress.
- ✓ **Frequent Monitoring:** Regular checks should be conducted to ensure that enumerators are fully aware of the surveys they are conducting.
- ✓ **Data Recording Language:** Responses for the OD survey should be recorded primarily in English. Coded and punched data must also be submitted in English only.

12. Communication

For any bid related queries, the bidder may contact Mr Shashank Shekhar **email id:** shashank.shekhar@dimts.in **on or before 14th July, 2026** in writing through email.

13. Annexures 1 - Survey Formats

The tentative survey formats are attached in the section below. However, the final survey formats, exact locations of conducting the primary surveys, and the survey sample to be collected at each location/ward will be provided to the successful bidder at the time of the issuing Work Order.

Passenger Origin- Destination Survey

Road Name:			Location:			Name of Enumerator:			Date & Day:		
Direction:	From		To			Shift no:					

Time	Vehicle Type			Origin	Destination	Distance / Trip Length (km)	Travel Duration (HH:MM)	Frequency		Trip Purpose				Occupation			Occupancy							
	1	2	3					1	2	3	4	5	6	7	8	9		10	11	12				
	1	Two-wheeler	7	Mini Bus	Village/ Town/ City:	Village/ Town/ City:		1	Daily	1	Work	7	Recreational/ Tourism	1	Govt. Service	7	Unemployed							
	2	Private Car/ Jeep	8	Govt. City Bus	District:	District:		2	Weekly	2	Business	8	Social	2	Pvt Service	8	Others							
	3	Cab/ Taxi	9	Pvt City Bus				State:	State:		3	Monthly	3	Education			3	Business						
	4	Auto Rickshaw	10	Govt. Intercity Bus							4	Occasionally	4	Shopping			4	Student						
	5	Shared Auto	11	Pvt Intercity Bus							5		5	Religious			5	Housewife						
	6	E-Rickshaw	12	School Bus							6		Health/ Hospital	6			Retired							
	1	Two-wheeler	7	Mini Bus							Village/ Town/ City:	Village/ Town/ City:		1			Daily	1			Work	7	Recreational/ Tourism	1
	2	Private Car/ Jeep	8	Govt. City Bus	District:	District:					2	Weekly	2	Business			8	Social			2	Pvt Service	8	Others
	3	Cab/ Taxi	9	Pvt City Bus				State:	State:		3	Monthly	3	Education			3	Business						
	4	Auto Rickshaw	10	Govt. Intercity Bus							4	Occasionally	4	Shopping			4	Student						
	5	Shared Auto	11	Pvt Intercity Bus							5		5	Religious			5	Housewife						
	6	E-Rickshaw	12	School Bus							6		Health/ Hospital	6			Retired							
	1	Two-wheeler	7	Mini Bus							Village/ Town/ City:	Village/ Town/ City:		1			Daily	1			Work	7	Recreational/ Tourism	1
	2	Private Car/ Jeep	8	Govt. City Bus	District:	District:					2	Weekly	2	Business			8	Social			2	Pvt Service	8	Others
	3	Cab/ Taxi	9	Pvt City Bus				State:	State:		3	Monthly	3	Education			3	Business						
	4	Auto Rickshaw	10	Govt. Intercity Bus							4	Occasionally	4	Shopping			4	Student						
	5	Shared Auto	11	Pvt Intercity Bus							5		5	Religious			5	Housewife						
	6	E-Rickshaw	12	School Bus							6		Health/ Hospital	6			Retired							

Freight Origin- Destination Survey

Road Name:				Location:				Name of Enumerator:				Date & Day:	
Direction: From		To		Shift no:									

Time	Vehicle Type				Origin	Destination	Distance/ Trip Length (km)	Travel Time (HH: MM)	Frequency				Commodity				Weight Carried/ Tonnage
	1	2	3	4					1	2	3	4	1	2	3	4	
	1	3 Wheelers	5	3 Axle	Village/ Town/ City: District: State:	Village/ Town/ City: District: State:			1	Daily	1	Fruits/Veg/Grains	5	Oil & Gas			
	2	Mini LCV	6	MAV					2	Weekly	2	Dairy/Meat/Poultry	6	Construction Material			
	3	LCV	7	Tractor Trailer					3	Monthly	3	General Goods	7	Container			
	4	2 Axle							4	Occasionally	4	Automobile	8	Others			
	1	3 Wheelers	5	3 Axle	Village/ Town/ City: District: State:	Village/ Town/ City: District: State:			1	Daily	1	Fruits/Veg/Grains	5	Oil & Gas			
	2	Mini LCV	6	MAV					2	Weekly	2	Dairy/Meat/Poultry	6	Construction Material			
	3	LCV	7	Tractor Trailer					3	Monthly	3	General Goods	7	Container			
	4	2 Axle							4	Occasionally	4	Automobile	8	Others			
	1	3 Wheelers	5	3 Axle	Village/ Town/ City: District: State:	Village/ Town/ City: District: State:			1	Daily	1	Fruits/Veg/Grains	5	Oil & Gas			
	2	Mini LCV	6	MAV					2	Weekly	2	Dairy/Meat/Poultry	6	Construction Material			
	3	LCV	7	Tractor Trailer					3	Monthly	3	General Goods	7	Container			
	4	2 Axle							4	Occasionally	4	Automobile	8	Others			
	1	3 Wheelers	5	3 Axle	Village/ Town/ City: District: State:	Village/ Town/ City: District: State:			1	Daily	1	Fruits/Veg/Grains	5	Oil & Gas			
	2	Mini LCV	6	MAV					2	Weekly	2	Dairy/Meat/Poultry	6	Construction Material			
	3	LCV	7	Tractor Trailer					3	Monthly	3	General Goods	7	Container			
	4	2 Axle							4	Occasionally	4	Automobile	8	Others			

Establishment Survey (Offices, Institutional & PSPs)

Date				Enumerator Name				
Location of Establishment:				Respondent (Owner / Manager / Employee):				
Name of Establishment:								
Type of Establishment:	Hotel	Mall	Shop	Restaurant	Govt. Office	Private Office	Hospital	Educational Institute
Total No. of Floors (incl. ground):								
Total Built Area (in sq. ft.):								
Total no. of employees:								
Built Area per floor (in sq. ft.):								
No. of visitors / customers per day:								

Establishment Survey (Freight)

Date					Enumerator Name			
Location of Establishment:					Respondent (Owner / Manager / Employee):			
Name of Establishment:								
Type of Establishment:	Retail	Wholesale	Office	Factory	ICD/ CFS		E- Commerce (Dark Stores)	
Type of Commodity/ Nature of Goods	1	Fruits/Veg/Grains	3	General Goods	5	Oil & Gas	7	Container
	2	Dairy/Meat/Poultry	4	Automobile	6	Construction Material	8	Others
Types of Good Movement	Inbound				Outbound			
No of Trips								
Mode of Vehicle	1	3 Wheelers	5	3 Axle	1	3 Wheelers	5	3 Axle
	2	Mini LCV	6	MAV	2	Mini LCV	6	MAV
	3	LCV	7	Tractor Trailer	3	LCV	7	Tractor Trailer
	4	2 Axle			4	2 Axle		
Average Quantity of Goods Handled (Kg/Tons/Units)	Per Day:				Per Day:			
Number of Deliveries/Dispatches	Per Day:				Per Day:			
Total No. of Floors (incl. ground):								
Total Built Area (in sq. ft.):								
Total no. of employees:								
Built Area per floor (in sq. ft.):								
No. of visitors / customers per day: (Applicable for Retails/ Wholesale/ Offices)								

Terminal Survey (Passenger OD)

Terminal	Bus Terminal / Rail terminal/ Airport	Name of Enumerator:		Day & Date	Yes/No
Name of the Terminal:				Pass-Holder	

Time	Platform/ Bay No	Boarding/ Alighting	Origin	Destination	Time Spent at the Terminal	Access/Dispersal Mode				Trip Purpose				Frequency		Education Level		Occupation	
			Locality:	Locality:	<10 min	1	Two-wheeler	9	Pvt. City Bus	1	Work	5	Religious	1	Daily	1	Not Schooling	1	Govt. Service
			Village/ Town/ City:	Village/ Town/ City:	10 – 20 min	2	Private Car/ Jeep	10	Govt. Intercity Bus	2	Business	6	Health/ Hospital	2	Weekly	2	Primary School	2	Pvt. Service
					20 – 30 min	3	Cab/ Taxi	11	Pvt. Intercity Bus	3	Education	7	Recreational /Tourism	3	Monthly	3	Sec. School	3	Business
			District:	District:	30 – 45 min	4	Auto Rickshaw	12	School Bus	4	Shopping	8	Social	4	Occasionally	4	High Sec. School	4	Student
					45 – 60 min	5	Shared Auto	13	Tata Magic							5	UG	5	Housewife
			State:	State:	More than hour	6	E-Rickshaw	14	Cycle							6	PG & above	6	Retired
						7	Mini Bus	15	Cycle Rickshaw									7	Unemployed
						8	Govt. City Bus	16	Walk								8	Others	
			Locality:	Locality:	<10 min	1	Two-wheeler	9	Pvt. City Bus	1	Work	5	Religious	1	Daily	1	Not Schooling	1	Govt. Service
			Village/ Town/ City:	Village/ Town/ City:	10 – 20 min	2	Private Car/ Jeep	10	Govt. Intercity Bus	2	Business	6	Health/ Hospital	2	Weekly	2	Primary School	2	Pvt. Service
					20 – 30 min	3	Cab/ Taxi	11	Pvt. Intercity Bus	3	Education	7	Recreational /Tourism	3	Monthly	3	Sec. School	3	Business
			District:	District:	30 – 45 min	4	Auto Rickshaw	12	School Bus	4	Shopping	8	Social	4	Occasionally	4	High Sec. School	4	Student
					45 – 60 min	5	Shared Auto	13	Tata Magic							5	UG	5	Housewife
			State:	State:	More than hour	6	E-Rickshaw	14	Cycle							6	PG & above	6	Retired
						7	Mini Bus	15	Cycle Rickshaw									7	Unemployed
						8	Govt. City Bus	16	Walk								8	Others	

On-Board PT/ IPT Passenger Survey											
Day:		Date:		Enumerator Name:			Route No.:		Reg. No.:		Survey Time:
Route Start Location:			Route End Location:		Bus/ IPT Type						
Gender		Trip Purpose		Location of Home		Trip Information		Place of Work, Education, Recreation, etc.			
1. Male 2. Female 3. Other		1. Work 2. Education 3. Shopping 4. Tourism 5. Other (Specify):		Locality: Colony: Street:	City/Village:	Boarding Stop:	Alighting Stop:	Locality: Colony: Street:		City/Village:	
				Distance to nearest Bus stop (Kms):				Distance from nearest Bus stop (Kms):			
Occupation		Mode Choice to reach Bus Stop (Tick)		Waiting time on Bus Stop (minutes):		Frequency of Travel (Tick)		Mode Choice to reach the location from Bus Stop (Tick)			
1. Student 2. Job/Service 3. Own Business 4. Homemaker 5. Daily Labour 6. Other		1. Walk 2. Two-Wheeler 3. Car 4. Hired Auto 5. Shared Auto 6. Maxi Cab 7. Cab		8. Cycle 9. Sub-Urban Rail 10. Metro 11. Bus (Mention Route no.):		Daily <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Occasionally <input type="checkbox"/>		1. Walk 2. Two-Wheeler 3. Car 4. Hired Auto 5. Shared Auto 6. Maxi Cab 7. Cab		8. Cycle 9. Sub-Urban Rail 10. Metro 11. Bus (Mention Route no.):	
Age (yrs.)	Monthly Household Income (Rs.)					Number of Bus Interchanges:					
	1. Less than 25,000 2. 25,000 – 50,000 3. 50,000 – 1,00,000 4. More than 1,00,000					Mention the Interchange Bus Stops:					
Disability: Yes/No		Fare (Rs.) for mode used to travel between home and Bus Stop:		Fare (Rs.):	Pass Holder (Yes/No):	Type of Pass:	Fare (Rs.) for mode used to travel between Bus Stop and Place of Work/Education/Recreation/etc.:				

A. Rate your experience of using PT/IPT on scale of 1 to 5 on each of the following parameters. (1 being the lowest and 5 being the highest)

- a. Comfort
- b. Reliability
- c. Safety & Security
- d. Accessibility
- e. Affordability

B. Reason for using PT/IPT service (Can tick multiple)

- a. Affordable
- b. Takes less time
- c. Easily Accessible from Home
- d. Alighting stop is closer to Work, Education, etc.
- e. No Alternative

C. When traveling by bus, what do you usually prefer? (Tick)

- a. Wait for a specific bus route, even if it takes longer.
- b. Board any bus going in the general direction of your travel and interchange if required.
- c. Depends on the situation.

D. Are you willing to pay more for better service? (Yes/No): _____
E. Are you willing to travel in an AC bus? (Yes/No): _____
F. If yes, would you be willing to pay 50% higher fare? (Yes/No): _____

G. Suggestions for Improving the PT/IPT service (Can tick multiple)

- a. Increase frequency in peak hours
- b. Improve Punctuality
- c. Enhance Seat Comfort and Cleanliness
- d. Improve Safety at PT/IPT Stops and on PT/IPT
- e. Lower Fares
- f. Provide Real-time Bus Tracking
- g. Improve Accessibility for Disabled
- h. Extend Routes to Underserved Areas
- i. Reduce Overcrowding During Peak Hours
- j. Improve Driver and Staff Courtesy

Willingness to shift based on Stated Preference Survey

Description of Scenario: Choice Sets

	Scenario 1						Scenario 2						Scenario 3					
	Walk	Bicycle	Bus	2- Wheeler	Car	Auto	Walk	Bicycle	Bus	2- Wheeler	Car	Auto	Walk	Bicycle	Bus	2- Wheeler	Car	Auto
Fare																		
Comfort																		
Safety																		
Travel Time																		
Cost																		
Frequency																		

Member No.	Trip Purpose	Scenario 1						Scenario 2						Scenario 3					
1	Work Trip																		
	Shopping for Daily Needs																		
	Going to School																		
2	Work Trip																		
	Shopping for Daily Needs																		
	Going to School																		
3	Work Trip																		
	Shopping for Daily Needs																		
	Going to School																		
4	Work Trip																		
	Shopping for Daily Needs																		
	Going to School																		

Pedestrian Survey

Road Name:		Location		Enumerator Name	
Direction	From		To		Date

Time Period	Across the Road		Along the Road	
	Male	Female	Male	Female
:00 - :15				
:15 - :30				
:30 - :45				
:45 - :60				
:00 - :15				
:15 - :30				
:30 - :45				
:45 - :60				
:00 - :15				
:15 - :30				
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:00 - :15				
:15 - :30				
:30 - :45				
:45 - :60				
:00 - :15				
:15 - :30				
:30 - :45				
:45 - :60				

Transport Operator Survey (Goods)

Location:		Date:	
Name of Surveyor:		Sheet:	
I. General Description			
Vehicle Type	Fleet Size	Make	Fuel
1. Mini LCV			
2. LCV			
3. 2-Axle Truck			
4. 3-Axle Truck			
5. MAV			
5. Cycle Rickshaw			
5. Handcarts			
6. Vehicle Ownership	Self-Owned/ Hired		

II. Personal Information				
Age		Education		Professional Experience

III. Operating Characteristics			
	From	To	
1. Period of Operation			
2. General area of operation			
	Previous Day	Daily Average	
3. Kms Operated			
4. Number of Trips			
5. Tonnage			
6. Dead Kilometre			
7. Operating Cost		Per Day	Per Month
a. Rent			
b. Fuel			
c. Maintenance			
		Per Day	Per Month
8. Revenue			
9. Annual Cost (Taxes, Permit, Charges, Fees etc.,)			

IV. Problems & Issues	
What Problems & Issues you face in your operation?	
1. Difficulty in getting Licence	
2. Harassment by RTO/ Police	
3. No defined Terminal/ Waiting stands	
4. High Competition	
5. Competition by other modes	
6. Limited Demand	
7. Empty Operations	
8. Adulterated fuel	
9. High operation and maintenance cost	
10. High Rental Charges	
11. Technological obsolescence	

V. Suggestions

1. Make soft loans available (Low interest rates/ long term payback period)	
2. Make procedures for getting loans from banks etc simplified	
3. Make process of obtaining licence simple and easy	
4. Minimise Undue harassment	
5. Provide parking Spaces	
6. Fare Increase to be linked to increase in input costs (Fuel, labour, cost of spare parts, etc.)	
7. Provide assistance/subsidy for technology upgradation (Change of fuel)	
8. Provide training facilities for skills upgradation	
9. Any other (specify)	

Transport Operator Survey (IPT)			
Date of Interview:		Mode:	Taxi/ Auto Rickshaw
Time of Interview:			
General			
Name			
Age			
Education			
Modal: Type, Technology, Make, Fuel-base			
Owned/ Hired			
Since when in this occupation			
Type of Fleet (Capacity)			
Fleet Size			
Operating Characteristics			
Time of Operation			
Average Kms operated per day			
Average number of trips per day			
Occupancy			(Peak Hour, Average)
Average number of passengers per day			
Dead kilo meter per day			
General area of operation			
Access to Legal Parking			
Operating Cost			
If Hired			
Hire charge per day			
Other expense per day (please specify):			
If owned,			
Cost of fuel per day			
Cost of oil per day:			
Spare part costs			
(Specify period: day/month/year)			
Other Maintenance Cost:			
Taxes:			
Depreciation			
Interest			
Other Expension			
Income			
Average Gross Income per day			
Average net Income per day			
Average Passenger per day			
Constraints			
What constraints/issues you face in your operation			
1. Difficulty in getting Licence			
2. Harassment by STA/Police			
3. No defined Parking Space			
4. High Competition (over supply of Auto)			
5. Competetion by other modes (Bus)			
6. Limited demand			
7. Return Trips from far off places			
Suggestions			
1. Make available soft loans (low interst rates/ long term payback period)			
2. Make procedures for getting loans from banks etc simplified			
3. Make issue of licence simple and easy			
4. Free the operator from undue harassment			
5. Provide parking Spaces			
6. Increase fare on a continuous basis linked to increase in input costs (fuel, labour, cost of spare parts, etc.)			
7. Provide assistance/subsidy fro technology upgradation (change of fuel)			
8. Provide training facilities for skills upgradation			

Household Survey

Date:		Surveyor Name:	
Respondent Name:			
Address (with PIN Code):			
Ward No.:		TAZ No.:	

Household Information				
No of Person in the Family	Male:	Female:	Kids (Less than 5 years):	
Household Income				
Monthly Expenditure	Food:	Transport:	Housing:	
	Health	Education:	Others:	
Vehicle Ownership				
Accessibility to Important Destinations:				
Destination	Distance	Is it walkable? (Y/N)	If yes, walking time (Min)	
School				
Hospital				
Market				
Community Centre				
Choices & Opinions				
Bus (City Bus/ Intracity)	Distance (in km)	Travel Time (min)	Avg. Waiting Time (min)	Usage/week
Nearest Stop				
Rate following parameters (tick on the appropriate answer)				
Is it reliable?	Good	OK	Bad	Any Remark:
Is it safe?	Good	OK	Bad	
Is it expensive?	Good	OK	Bad	
Shared IPT	Distance (in km)	Travel Time (min)	Avg. Waiting Time (min)	Usage/week
Nearest Stop				
Rate following parameters (tick on the appropriate answer)				
Is it reliable?	Good	OK	Bad	Any Remark:
Is it safe?	Good	OK	Bad	
Is it expensive?	Good	OK	Bad	
Other Mode	Distance (in km)	Travel Time (min)	Avg. Waiting Time (min)	Usage/week
Nearest Stop				
Rate following parameters (tick on the appropriate answer)				
Is it reliable?	Good	OK	Bad	Any Remark:
Is it safe?	Good	OK	Bad	
Is it expensive?	Good	OK	Bad	
Is it safe and convenient to walk on the city roads?		(Yes/No)	If Yes rate: (Good/OK/Bad)	
Are you satisfied with the way you travel in the city?		(Yes/No)		
If no, what do you think needs to be improved?				

Coding Sheet for Household Survey

Type of Vehicle/ Mode	
Type of Vehicle/Mode	Code
Walk	Walk
Cycle	BC
Cycle Rickshaw	CR
Animal drawn vehicle	ADV
Scooter/Motorcycle	2W
Ola/Uber/Rapido 2W	OU2W
Auto Rickshaw	Auto
E-Rickshaw/Battery Rickshaw	ER
Shared Auto	S Auto
Car/Van	Car
Ola/Uber Cab	OUC
Taxi/Jeep	Taxi
Bus	Bus
Mini Bus	M Bus
Rail	Rail

Education	
Education	Code
Not schooling	0
Primary School	PRI
Secondary School	SEC
High Secondary School	H SEC
Under Graduate	UG
Post Graduate & Above	PG
Other (please specify)	OTH

Occupation	
Occupation	Code
Service	SER
Business	BUSI
Daily Wages (Casual Labour)	LAB
Student	STD
Retired	RTD
Homemaker	HMM
Unemployed	UEM

Employment Sector	
Employment Sector	Code
Agriculture	AGR
Mining/Quarrying	MIN
Fishing	FISH
Manufacturing Industries	MFG
Household Industries	HHI
Construction	CON
School/College/University	SCH
Hospitals	HSP
Government Service	GOVT

Employment Sector	
Employment Sector	Code
Trade & Commerce (Wholesale)	TCW
Trade & Commerce (Retail)	TCR
Banks	BANKS
Transport Industry	TRS
Engineering/Consultancy/IT	IT
Others (please specify)	OTH

Type of Services	
Types of Services	Code
Central Government	CGVT
State Government	SGVT
Local Government	LGVT
Private Sector	PRVT
Autonomous	ATMS

Driving Licence	
Driving License	Code
No License	0
Two-Wheeler	2W
Car	Car
Both	2
Other (please specify)	OTH

Pass Holder	
Pass Holder	Code
No Pass	0
Rail Pass	Rail
Bus Pass	Bus

Purpose of Travel	
Purpose of Travel	Code
Work	Work
Business	Busi
Education	Edu
Shopping	Shop
Religious	Rel
Health/Hospital/Clinic	H
Recreational	Rec
Social	Soc
Return Home	RH

Truck Terminal Survey/ Freight Establishment Survey

City	Survey ID	
Terminal Name	Date	
Surveyor	Time	

Terminal Profile

Type	<input type="checkbox"/> Truck Terminal <input type="checkbox"/> Warehouse <input type="checkbox"/> Logistics Park <input type="checkbox"/> Transport Nagar <input type="checkbox"/> Wholesale Market <input type="checkbox"/> ICD/CFS <input type="checkbox"/> Other _____		
Ownership	<input type="checkbox"/> Govt <input type="checkbox"/> Private <input type="checkbox"/> PPP <input type="checkbox"/> Cooperative		
Year:	Area:	Parking Capacity: Trucks	Trucks/Day:

Freight Characteristics

Major Commodities:	<input type="checkbox"/> Agriculture <input type="checkbox"/> FMCG <input type="checkbox"/> Cement <input type="checkbox"/> Steel <input type="checkbox"/> Construction <input type="checkbox"/> Petroleum <input type="checkbox"/> Chemicals <input type="checkbox"/> Textile <input type="checkbox"/> Auto Parts <input type="checkbox"/> Pharma <input type="checkbox"/> Courier <input type="checkbox"/> Other _____		
Daily Vehicle Composition:	LCV__ Mini__ MCV__ HCV__ MAV__ Tractor-Trailer__		
Freight/day:	Tonnes	Freight/month: Tonnes	Peak Season: Tonnes

Freight Movement

Origin	<input type="checkbox"/> City <input type="checkbox"/> District <input type="checkbox"/> State <input type="checkbox"/> Interstate <input type="checkbox"/> Port <input type="checkbox"/> Rail				
Destination	<input type="checkbox"/> City <input type="checkbox"/> District <input type="checkbox"/> State <input type="checkbox"/> Interstate <input type="checkbox"/> Port <input type="checkbox"/> Rail				
Peak Arrival Time	<input type="checkbox"/> 6-10	<input type="checkbox"/> 10-2	<input type="checkbox"/> 2-6	<input type="checkbox"/> 6-10	<input type="checkbox"/> Night

Terminal Operations

Loading Time: __ hr	Unloading Time: __ hr	Waiting Time: __ hr
Dwell Time: __ hr	Parking Duration: __ hr	

Infrastructure Assessment

Facility	Good	Fair	Poor	NA
Truck Parking				
Internal Roads				
Loading Bays				
Turning Radius				
Signage				
Lighting				
Toilets				
Water				
Driver Rest Area				
Fuel Station				
Workshop				
CCTV				
Fire Safety				

Operational Issues

<input type="checkbox"/> Congestion	<input type="checkbox"/> Illegal Parking	<input type="checkbox"/> Narrow Access	<input type="checkbox"/> Encroachment	<input type="checkbox"/> Poor Pavement	<input type="checkbox"/> Flooding
<input type="checkbox"/> Safety	<input type="checkbox"/> Security	<input type="checkbox"/> Labour	<input type="checkbox"/> Documentation Delay	<input type="checkbox"/> Other _____	

Parking & Access

Capacity:	Occupancy: ____%	Overflow: <input type="checkbox"/> Yes <input type="checkbox"/> No	Illegal Parking: <input type="checkbox"/> Yes <input type="checkbox"/> No
Distance to NH/SH: ____ km		Distance to Rail Freight Terminal: ____ km	

Surveyor Observation

Observed Queue	
Traffic Conflicts:	
Site Condition:	