

TERMS OF REFERENCE (TOR)

Selection of Agencies for Undertaking Traffic and Travel Surveys

April, 2025

Delhi Integrated Multi Modal Transit System Limited (DIMTS)

(A Joint Venture of Govt. of NCT of Delhi)

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TENDER RELATED INFORMATION

S. No.	Description	Date/Details
1	Tender Release Date	April 28, 2025
2	Tender Submission Date	May 02, 2025 by 4:00 PM in DIMTS office
3	Tender Opening Date	May 02, 2025 by 4:30 PM in DIMTS office
4	Contact Person	Mr. Umang Jain Contact: 011 – 43090254 umang.jain@dimts.in
5	Physical Submission of Tender	Physical submission is required (only in sealed envelope)

Request for Proposal

Carrying out Transport Surveys in Mysuru

Delhi Integrated Multi-Modal Transit System (DIMTS) Ltd. seeks to engage a qualified vendor to conduct traffic and travel surveys in Mysuru. The vendor should have relevant experience and capacity to complete the required services within the specified timeframe. In response to this RFP, the vendor shall have to:

1. Submit a work plan to demonstrate how the survey shall be conducted within the stipulated time.
2. Provide documents (including work orders, experience certificate, etc.) to showcase experience of executing similar projects in Mysuru.
3. Demonstrate capacity to mobilise 50 enumerators and requisite number of supervisors per day to be able to carry out multiple surveys simultaneously.
4. Demonstrate capacity to carry out surveys using digital techniques and image processing/ automated data processing systems.
5. Demonstrate experience in carrying out household surveys for similar projects using electronic Tabs or other digital techniques.
6. Provide the process followed for quality control process during surveys and during data punching, etc.

Interested parties are invited to submit their price quotes and credentials exhibiting above-stated requirements, for similar services. The same should be submitted in hard copy in a sealed envelope no later than **16:00 hrs on May 02, 2025**.

1. Scope of Work

The vendor will be responsible for conducting the following surveys across all relevant locations and coding the data in MS Excel for the case study area. Following are the surveys that are required to be conducted –

- a. **Classified Traffic Volume Count (CTVC) Survey:** Videography survey for 16 hrs at Outer Cordon, Screen Lines and Mid-Blocks to capture Vehicle Category wise hourly flow, variation in peak and off-peak flow.
- b. **Intersection Turning Movement Count Survey:** Videography survey for 4 hrs (2 morning peak hours + 2 evening peak hours) at important intersections to capture vehicle category wise hourly turning movement, directional flows and number of pedestrians going along and across at each arm of the intersection.
- c. **Roadside OD survey at Outer Cordon and Screen lines:** Personal Interview based survey to capture Trip and Travel characteristics of Passengers and Freight Vehicles. Survey to be carried out for 16 hrs.
- d. **Household Survey:** To obtain Data on general characteristics of household influencing trip-making with data on socio-economic characteristics of the household including household income, vehicle ownership, travel time, etc
- e. **IPT Surveys:** Conduct surveys of IPT (Autos, Shared Autos, Taxis, etc.) drivers/ operators regarding infrastructure, modal share, fare structure, etc and user/ passenger opinion at major IPT stands/halts.

- f. **Parking Survey – On street:** Survey for 12 hrs on a weekday and one weekend by Registration Plate method at On-street parking locations using digital techniques.
- g. **Parking Survey – Off-Street:** Videography Survey for 12 hrs on a weekday and on one weekend to capture the vehicles and their registration plate, at the entry and exit of the parking location.
- h. **Public Transport/ Passenger OD and Opinion Survey at Terminals:** 12 hrs survey on a weekday at Bus Terminals, Railway Station and Airport to capture passenger travel and trip characteristics, vehicle occupancy and user opinion.
- i. **Public Bike Sharing Survey:** Survey to capture data on Origin and Destination, trip purpose, frequency, and user opinion of public bicycle service users.
- j. **Pedestrian Count Survey and NMT Count:** 12 hours- details on the number of pedestrians moving along and across to assess flows/demand at identified major junctions and road corridors

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	Method	Duration	Tentative number of locations	No. of Days	Survey Format No.
1.	Classified Traffic Volume Count at Outer Cordons	Videography	16 Hours	15	1	S8
2.	Classified Traffic Volume Count at Screen Lines and Mid-Blocks – without pedestrian count	Videography	16 Hours	10	1	S8
2.1	Classified Traffic Volume Count at Screen Lines and Mid-Blocks – with pedestrian count at mid blocks	Videography	16 Hours	10	1	S8
3.	Intersection Turning Movement Count Survey – without pedestrian count	Videography	4 hours (Morning Peak - 2 hours + Evening Peak - 2 hours)	15	1	S9
3.1	Intersection Turning Movement Count Survey – with pedestrian count	Videography	4 hours (Morning Peak - 2 hours + Evening Peak - 2 hours)	15	1	S9
4.	Road Side -OD survey (passenger and freight vehicles) – (Cordon + Screen lines)	Personal Interview	16 Hours	15	1	S2A – Passenger OD S2B – Freight OD
5.	Household Interview Survey	Personal Interview (Tab Based)		4500 samples	NA	S1
6.	IPT Operator + Passenger Opinion and OD survey	Personal Interview	12 hours	10	1	S6A – Passenger Survey S6B – Operator Survey

S. No	Survey Type	Method	Duration	Tentative number of locations	No. of Days	Survey Format No.
7.	Parking Surveys - Off Street	Videography	12 hours on Weekdays and Weekends	5	2	S3
8.	Parking Surveys - On Street	Registration Plate Method using Digital Techniques	12 hours on Weekdays and Weekends	10	2	S3
9.	Public Transport/ Passenger OD and Opinion Survey at bus and rail/ airport terminals	Personal Interview	12 hours on Weekday	5	1	S5
10.	Public Bike Sharing - OD and Opinion Survey	Personal Interview	12 Hours	15	1	S7
11.	Pedestrian Count Surveys (Along & Across)	Manual Count	12 Hours	10	1	S4

The type of surveys and the quantities mentioned are subject to change based on the Client's requirements. The exact survey locations will be provided to the successful vendor upon the issuance of Work Order. The formats for each of the surveys outlined in Table 1 are provided in Annexure 1 for reference.

2. Time Period for Completion

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

- The tentative date of commencement of surveys shall be **15 May, 2025** and are expected to be completed within **four weeks** from the date of initiation of the surveys.
- Vendors are required to submit a detailed work plan for conducting each survey, including Household Survey and Road Side OD Survey.
- Data coding and entry should occur simultaneously with the surveys. Soft copies of the survey data must be submitted to DIMTS within **one week** 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 by no later than Day 8.).
- Any suggestions or corrections must be incorporated and resubmitted by the vendor 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 Mysuru.

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.
- The enumerators carrying out surveys that involve personal interviews (Household Survey, Roadside OD Survey, etc.) should be familiar with local language (Kannada).

- 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.

3.1.2. Manpower Deployment

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

3.2. Permissions

- a. The vendor 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 vendor 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 vendor must supply all necessary infrastructure 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 vendor in English and submitted to DIMTS via email within the timeframe agreed upon. 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 vendor.
- b. **Cost Responsibilities:** The vendor 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.

3.6. Communication & Compliance

3.6.1. Communication

- a. The survey schedule and team contact details must be shared with DIMTS at least 48 hours before the survey starts. Any changes must be communicated immediately.
- b. Regular updates on survey progress, issues, and delays should be provided through agreed channels (email, phone).
- c. In emergencies or deviations from the plan, prompt notification is required.

3.6.2. Compliance

- a. The survey team must follow the checklist provided in the work order and all outlined guidelines.

- b. Daily compliance summaries should be sent to DIMTS, highlighting activities and any incidents.

Compliance with these provisions outlined in Section 3 is essential for ensuring the success of the project.

4. Financial Quote

The financial quote shall be submitted under the major headings provided in Table 2, detailing the 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	Tentative No. of Locations	No. of Days	Duration	Manpower Requirement	Unit Cost (INR)	Total Cost (NR)
1.	Classified Traffic Volume Count at Outer Cordons	15	1	16 Hours	NA		
2.	Classified Traffic Volume Count at Screen Lines and Mid-Blocks – Without pedestrian count	10	1	16 Hours	NA		
2.1	Classified Traffic Volume Count at Screen Lines and Mid-Blocks – with pedestrian count at mid blocks	10	1	16 Hours	NA		
3.	Intersection Turning Movement Count Survey – without pedestrian count	15	1	4 hours (Morning Peak – 2 hours + Evening Peak – 2 hours)	NA		
3.1	Intersection Turning Movement Count Survey – with pedestrian count	15	1	4 hours (Morning Peak – 2 hours + Evening Peak – 2 hours)	NA		
4.	Road Side -OD survey (passenger and freight vehicles) – (Cordon + Screen lines)	15	1	16 Hours	2 enumerators covering each side of traffic movement		
5.	Household Interview Survey	4500 samples	NA				
6.	IPT Operator + Passenger Opinion and OD survey	10	1	12 hours	2 enumerators at each IPT Stop		
7.	Parking Surveys - Off Street	5	2	12 hours on Weekdays and Weekends	2 enumerators at each parking location		
8.	Parking Surveys - On Street	10	2	12 hours on Weekdays	2 enumerators at each parking location		

S. No	Survey Type	Tentative No. of Locations	No. of Days	Duration	Manpower Requirement	Unit Cost INR)	Total Cost (NR)
				and Weekends			
9.	Public Transport/ Passenger OD and Opinion Survey at bus and rail/ airport terminals	5	1	12 hours on Weekday	4 enumerators at each terminal		
10.	Public Bike Sharing - OD and Opinion Survey	15	1	12 Hours	1 enumerator at each PBS Stop		
11.	Pedestrian Count Surveys (Along & Across)	10	1	12 Hours	2 enumerators at each location		
Total Amount in INR (in Figures):							
Total Amount in INR (in Words, excluding taxes):							
Applicable Taxes in INR (GST at 18%):							
Total Amount in INR (in Words, inclusive of taxes):							

5. Additional Scope of Work

Any additional surveys, including variations in quantities, duration or type beyond those outlined in the scope of work, will be compensated on a pro-rata basis. The payment for such surveys will be calculated according to the rates specified in the table above.

Note:

1. The unit cost specified above includes 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.

6. Payment Schedule

Payments to the vendor will be made in Indian Rupees (INR) as per the following schedule upon invoice submission:

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

7. Selection Criteria

The selection of the eligible vendor would be subjected to the following criteria:

1. Vendor with prior experience in conducting traffic and household surveys using digital methods like Video cameras, Tablets, etc. would be given preference.

2. Vendor with prior experience of conducting surveys in Karnataka, specifically in cities including Bengaluru and Mysuru, and having survey enumerators with proficiency in Kannada language will be preferred.
3. The vendor's company should have a minimum strength of 50 professionals (data entry operators and survey supervisors).
4. The vendor should have automated mechanism for counting and classifying vehicles from the videos captured.
5. Evaluation of the bid will also be based on the survey work plan and quality assurance process.

8. Penalty

If the work is not completed within the stipulated time frame, except in cases of force majeure or other circumstances beyond the vendor's control, a penalty of 0.5% of the total contract value will be imposed for each day of delay. The cumulative penalty shall not exceed 5% of the total contract value.

9. 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.
 - **Classified Turning Volume 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 at Outer Cordon and Screen lines:** Enumerators to be stationed at suitable locations near the identified survey locations, covering both the sides of traffic movement.
 - **Pedestrian Count Survey and NMT Count:** Enumerators to be stationed at identified locations (intersections and mid-blocks) and to count pedestrians and non-motorised vehicles going along and across the road.
 - **IPT Surveys:** Enumerators should conduct surveys at IPT stops
 - **Household Survey:** Enumerators to conduct surveys in every ward and other identified areas within Mysuru Local Planning Area, including the city of Mysuru and extending till Nanjangud, by visiting the houses, selected in a manner that it covers all

income groups (LIG, MIG, HIG) and all type of housing units (gated and non-gated societies). However, the exact number of samples to be collected from each ward would be indicated by DIMTS in the work order.

- **Parking Survey:** Enumerators to be stationed inside the parking lots.
- **Public Transport Survey:** Enumerators should be stationed at various points within the Public Transport terminal, including boarding areas and exits
- **Public Bike Sharing Survey:** Enumerators to conduct surveys at the Public Bicycle Sharing stops.

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.

10. 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 shall be shared along with the Work Order, only to the successful vendor.

Date:	Surveyor Name:
Respondent Name:	Contact No.:
Address (with PIN Code):	
Ward No.:	TAZ No.:
ID/ S. No. in Voter List (If available):	

Part I Household Information:

1. House details: (Refer R1, R2)
 - a. Type of House - (Multiple choices ex: Single house, Informal housing, Apartment types, etc.)
 - b. Ownership – (Multiple choices ex: Own, Rented & month rent, Govt. Quarters, etc.)
 - c. Size – (Multiple choices 1 BHK, 2BHK, 3 BHK etc)
2. House member(s) details: (Refer R3)
 - a. Total number of persons in the house
 - b. Gender wise Total members including Children (total Male / total Female / Others)
 - c. Category wise number of members (ex: category: < 5 years), Students (school, college), Adults (employed, unemployed, retired) - Answer to be stated
3. Number of specially-abled persons and elderly persons who need additional support for travel?
4. Number of Vehicles in the Household (Type of vehicle, Fuel type and vehicle Age) (Refer R4, C2, C10)
5. Household Monthly Income for all family members from all sources) – Options based on Income Ranges (Refer R5)
6. Household assets owned – (multiple choices with Y/N option) (Refer R6)
7. Monthly Expenditure - Amount to be stated for various types of expenses (Refer R7)
8. State the number of daily deliveries at your house through E-commerce/ quick commerce platforms (for groceries/other consumables)
9. Accessibility to Important Destinations like School/ Hospital/ LSC etc (Distances & Walkability) (Refer R8)
10. How accessible is the nearest Public Transport (ex: Bus) /shared transport (ex: Auto/ E-rickshaw) station from your house? (Ex: Distance, Travel Time/ Waiting Time / Frequency of use, quality) (Refer R9)

Part II Personal Information:

11. Details of Each Member of the household: (Refer coding sheet for options C2 to C7) –
 - a) Relation with respondent (Refer R10)
 - b) Age (Refer R11)
 - c) Gender (Male/ Female/ Other)
 - d) Education (Refer C3)
 - e) Occupation (Refer C4)
 - f) Profession/Employment Sector (applicable only if employed) (Refer C5)
 - g) Individual's monthly income (in ranges) (Refer R5)
 - h) Location of Work Place/ Place of Education
 - i) Driving Licence Holder (Y/N)
 - j) Rail/Bus Pass Holder (Y/N), and pass cost, if applicable (Refer C6)
 - k) Average Monthly expenditure on travel – Answer to be stated
12. Do you have an employer-provided travel option? - Yes/No
13. How many days in a week do you work from home without going to office? (Refer R12)

Part IV Trip Information:

14. Information about the trips undertaken on the previous working day by each member above 5 years age of household: (Refer code C2 and C7)

HH Member No.	Trip No.	Trip Link /Stage No..	Link Origin (if home, write home)	Link Destination	Start Time (hh:mm) (Mention am/pm)	Waiting Time (in min)	End Time (hh:mm) (Mention am/pm)	Trip Purpose	Mode of Travel	Travel Time (in hh:mm)	Distance (in km)	Fare/Parking Fee (in Rs.)	Trip Frequency (in a day)
1	2	3	4	5	6	7	8	9	10	11	12	13	14

15. Details of Out of station Trip made previous day, if applicable (Ex: Place of travel, Mode Used, Bus stand/ Railway Station Airport location, purpose of travel) (Refer code C2 and C7)

16. Your opinion about walking experience with respect to safety and convenience (Ex: Good, Fair, Bad)

17. Are you satisfied with the way you travel in the city? (Yes/No)

18. If no, what do you think needs to be improved? (Descriptive Answer)

Response Format Sheet:

R1: For question 1.a

Type of House	Select One
Independent Single House	
Multi-storey Building with <=5 units of housing	
Multi-storey Building with >5 units of housing	
Apartment with parking, small play area, gym (medium sized gated community)	
Apartment with parking, playground, gym, provision store, etc. (Large-sized gated community)	
Informal Housing	

R2: For question 1.b

House Ownership	Select One
Own House	
Rented House	
Govt. Quarters	
Employer Provided	
Others	

R3: For question 2.c

Member Category	Number
Kids (<5 years)	
Students (School – up to 10 th Std.)	
Students (School – post 10 th Std.)	
Adults (Employed/ Self-employed)	
Adults (Retired)	
Adults (Unemployed)	

R4: For question 4 (Refer code C2 and C10)

Sr. No.	Present Year					Before 2 Years			
	Type	Make (Year)	Fuel	Mileage	Parking Space Available (Y/N)	Type	Make (Year)	Fuel	Mileage

R5: For question 5 and 11.g

Monthly Income Range	Select One
<=10,000	
10,001 – 25,000	
25,001 – 50,000	
50,001 – 1,00,000	
1,00,001 – 2,00,000	
>2 Lakh	

R7: For question 7

Type of Expense	Amount (INR)
Food	
Housing	
Education	
Transport	
Health	
Others	

R6: For question 6

Asset	Available (Y/N)	Number
Mobile		
TV		
AC		
Fridge		
Washing Machine		
Desktop		
Laptop		

R8: For question 9

Destination	Distance (in km)	Is it walkable? (Y/N)	If Yes, walking minutes
School			
Hospital			
Market			
Community Centre			

R9: For question 10

Public Bus (City Bus)	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	
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	
Is it safe?	Good	OK	Bad	
Is it expensive?	Good	OK	Bad	

Hired 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	
Is it safe?	Good	OK	Bad	
Is it expensive?	Good	OK	Bad	

Others	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	
Is it safe?	Good	OK	Bad	
Is it expensive?	Good	OK	Bad	

R10: For question 11.a

Relation with respondent	Select One
Self	
Son/Daughter	
Father/ Mother	
Wife/ Husband/ Partner	
Brother/ Sister	
Other Relative	
Not related	

R12: For question 13

Days working from home	Select One
None	
Yes, 1-2 days a week	
Yes, 3-4 days a week	
Yes, >= 5 days a week	

R11: For question 11.b

Age Bracket	Select One
5 – 12 years	
13 – 16 years	
17 – 18 years	
19 – 25 years	
26 – 35 years	
36 – 45 years	
46 – 60 years	
> 60 years	

Coding Sheet:

C1: For question 1.c

House Ownership	Code
1 Room	1R
1 Room Kitchen	1RK
1 Bedroom Hall Kitchen	1BHK
2 Bedroom Hall Kitchen	2BHK
3 Bedroom Hall Kitchen	3BHK
>3 Bedroom Hall Kitchen	>3BHK

C2: For questions 4,14 and 15

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

C3: For question 11.d

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

C4: For question 11.e

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

C5: For question 11.f

Employment Sector	Code
Agriculture	AGR

Employment Sector	Code
Mining/Quarrying	MIN
Fishing	FISH
Manufacturing Industries	MFG
Household Industries	HHI
Construction	CON
School/College/University	SCH
Hospitals	HSP
Government Service	GOVT
Trade & Commerce (Wholesale)	TCW
Trade & Commerce (Retail)	TCR
Banks	BANKS
Transport Industry	TRS
Engineering/Consultancy/IT	IT
Others (please specify)	OTH

C6: For question 11.j

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

C7: For question 14.9 and 15

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

C8: For question 4

Fuel Type	Code
Petrol	P
Diesel	D
CNG	CNG
Electric	Ele
Hybrid	Hyb

Note: 1) The options/ choices will be finalised before start of the surveys.

2) Vendor to design Tab Friendly digital data format and get it duly vetted by the Client

Road Name: Location:
Direction: From: To:.....

Name of Enumerator:..... Shift No.:.....
Date & Day:

Time	Vehicle Type		Origin	Destination	Trip Length (km)	Trip Time (HH: MM)	Frequency		Trip Purpose			Occupation		Occupancy		
	1	2					1	2	1	2	3	4	5		6	
1	2 Wheeler	8	Govt. City Bus	Village/Town/City: District: State:	Village/Town/City: District: State:			1	Daily	1	Work	8	Social	1	Service	
	2	Car/Van	9					Pvt. City Bus	2	Weekly	2	Business	9	Return Home	2	Business
	3	Cab	10					Govt. Intercity Bus	3	Monthly	3	Education			3	Daily Wages (Casual Labour)
	4	Auto Rickshaw	11					Pvt. Intercity Bus	4	Occasionally	4	Shopping			4	Student
	5	Shared Auto	12					School Bus	5		5	Religious			5	Retired
	6	E-Rickshaw	13					Cycle	6		6	Health/ Hospital			6	Homemaker
	7	Mini Bus	14					Cycle Rickshaw	7		7	Recreational/Tourism			7	Unemployed
2	2 Wheeler	8	Govt. City Bus	Village/Town/City: District: State:	Village/Town/City: District: State:			1	Daily	1	Work	8	Social	1	Service	
	2	Car/Van	9					Pvt. City Bus	2	Weekly	2	Business	9	Return Home	2	Business
	3	Cab	10					Govt. Intercity Bus	3	Monthly	3	Education			3	Daily Wages (Casual Labour)
	4	Auto Rickshaw	11					Pvt. Intercity Bus	4	Occasionally	4	Shopping			4	Student
	5	Shared Auto	12					School Bus	5		5	Religious			5	Retired
	6	E-Rickshaw	13					Cycle	6		6	Health/ Hospital			6	Homemaker
	7	Mini Bus	14					Cycle Rickshaw	7		7	Recreational/Tourism			7	Unemployed
3	2 Wheeler	8	Govt. City Bus	Village/Town/City: District: State:	Village/Town/City: District: State:			1	Daily	1	Work	8	Social	1	Service	
	2	Car/Van	9					Pvt. City Bus	2	Weekly	2	Business	9	Return Home	2	Business
	3	Cab	10					Govt. Intercity Bus	3	Monthly	3	Education			3	Daily Wages (Casual Labour)
	4	Auto Rickshaw	11					Pvt. Intercity Bus	4	Occasionally	4	Shopping			4	Student
	5	Shared Auto	12					School Bus	5		5	Religious			5	Retired
	6	E-Rickshaw	13					Cycle	6		6	Health/ Hospital			6	Homemaker
	7	Mini Bus	14					Cycle Rickshaw	7		7	Recreational/Tourism			7	Unemployed
4	2 Wheeler	8	Govt. City Bus	Village/Town/City: District: State:	Village/Town/City: District: State:			1	Daily	1	Work	8	Social	1	Service	
	2	Car/Van	9					Pvt. City Bus	2	Weekly	2	Business	9	Return Home	2	Business
	3	Cab	10					Govt. Intercity Bus	3	Monthly	3	Education			3	Daily Wages (Casual Labour)
	4	Auto Rickshaw	11					Pvt. Intercity Bus	4	Occasionally	4	Shopping			4	Student
	5	Shared Auto	12					School Bus	5		5	Religious			5	Retired
	6	E-Rickshaw	13					Cycle	6		6	Health/ Hospital			6	Homemaker
	7	Mini Bus	14					Cycle Rickshaw	7		7	Recreational/Tourism			7	Unemployed
5	2 Wheeler	8	Govt. City Bus	Village/Town/City: District: State:	Village/Town/City: District: State:			1	Daily	1	Work	8	Social	1	Service	
	2	Car/Van	9					Pvt. City Bus	2	Weekly	2	Business	9	Return Home	2	Business
	3	Cab	10					Govt. Intercity Bus	3	Monthly	3	Education			3	Daily Wages (Casual Labour)
	4	Auto Rickshaw	11					Pvt. Intercity Bus	4	Occasionally	4	Shopping			4	Student
	5	Shared Auto	12					School Bus	5		5	Religious			5	Retired
	6	E-Rickshaw	13					Cycle	6		6	Health/ Hospital			6	Homemaker
	7	Mini Bus	14					Cycle Rickshaw	7		7	Recreational/Tourism			7	Unemployed

Road Name: Location:
Direction: From: To:

Name of Enumerator:..... Shift No.:.....
Date & Day:

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



Preparation of a Comprehensive Mobility Plan
For Mysuru, Karnataka

S3
Parking Survey

Parking Type: On-Street <input type="checkbox"/>		Off-Street <input type="checkbox"/>	
Road Name:	Location:	Name of Enumerator:..... Sheet No:.....	
Time Period: From:	To:.....	Ownership of Parking Lot: Private / Public	Date & Day:

2-Wheeler				Car			E-Rickshaw	Auto Rickshaw	Bus	LCV	Truck (2A/3A)	MAV

Vehicle Type (without number plate)	Cycle	Cycle Rickshaw	Hand Cart
Count of Vehicles			



**Preparation of a Comprehensive Mobility Plan
For Mysuru, Karnataka**

<h1>S4</h1> <p>Pedestrian Count</p>

Road Name:		Location:		Name of Enumerator:.....		Sheet No.:.....	
Direction: From:		To:.....		Start Time:.....		Shift: Day/Night	
Date & Day:							

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



Preparation of a Comprehensive Mobility Plan For Mysuru, Karnataka

S6A

IPT Surveys - Passenger

IPT Stand:

Name of Enumerator:

Location:

Date & Day:

Gender	Age	IPT Mode	Trip Purpose	Trip Origin	Trip Time (hh:mm)	Trip Distance (kms)	Trip Cost (₹)	Waiting Time (hh:mm)	Trip Destination	Dispersal Mode	Dispersal Time/ Dis.	Dispersal Trip Cost (₹)

	IPT Mode	Code		Vehicle	Code
1	Auto Rickshaw	1	4	Car	4
2	E-Rickshaw	2	5	Taxi	5
3	Shared Rickshaw	3	6	Shared Rickshaw	6

	Purpose	Code		Purpose	Code		Purpose	Code
1	Work	W	4	Shopping	Sh	7	Health	H
2	Business	B	5	Religious	Rlg	8	Recreational	Rec
3	Education	Ed	6	Social	So			

	Frequency	Code
1	Daily	D
2	Weekly	W
3	Occasionally	O

Part III: Cost and Fare

Operator	Operation cost per km (Rs)	Tax levied	Fare structure	Revenue per km (Rs)	Profit/loss (Rs)	Fuel efficiency

	IPT Mode	Code		Vehicle	Code
1	Auto Rickshaw	1	4	Car	4
2	E-Rickshaw	2	5	Taxi	5
3	Shared Rickshaw	3	6	Shared Rickshaw	6

Date:

Surveyor Name:

Location of PBS Stop:

Part I User Profile:

1. Age Group: (Select One)

- Under 18
- 18–25
- 26–35
- 36–50
- Above 50

2. Gender: (Select One)

- Male
- Female
- Other

3. Occupation: (Select One)

- Student
- Working professional
- Self-employed
- Homemaker
- Retired
- Other (please specify): _____

4. Do you own a bicycle? (Select One)

- Yes
- No

Part II Trip Details:

5. What is your destination? (Select One)

- Home
- Work/Office
- College/School
- Bus stop/Railway station
- Market/Shopping area
- Park/Recreational area
- Other (please specify): _____

6. What is the purpose of your trip today? (Select One)

- Work
- Education
- Connecting to public transport
- Shopping
- Social
- Other (please specify): _____

7. How will you continue your journey after returning the PBS bicycle at your destination? (Select One)

- Walk
- Use personal vehicle (2-wheeler/car)
- Auto-rickshaw
- Public transport (bus/train)
- No further travel – this is my final destination
- Other (please specify): _____

Part III Usage Pattern:

8. How often do you use the PBS system? (Select One)

- Daily
- 2–4 times a week
- Once a week
- Occasionally (less than once a week)
- First time user

9. At what time of the day do you mostly use PBS? (Select One)

- Morning (6 AM – 10 AM)
- Midday (10 AM – 2 PM)
- Afternoon (2 PM – 5 PM)
- Evening (5 PM – 9 PM)
- Night (after 9 PM)

10. How long is your average PBS ride? (Select One)

- Less than 10 minutes
- 10–20 minutes
- 21–30 minutes
- More than 30 minutes

Part IV User Opinion:

11. How satisfied are you with the PBS system overall? (Select One)

- Very satisfied
- Satisfied
- Neutral
- Dissatisfied
- Very dissatisfied

12. What do you like most about the PBS system? (Select all that apply)

- Low cost
- Eco-friendly
- Convenient for short trips
- Easy to find bicycles
- Fitness/Health benefits
- Reduces traffic congestion
- Other (please specify): _____

13. What issues have you faced while using PBS? (Select all that apply)

- No bicycles available
- Poor bicycle condition
- Docking station issues
- App/Usage difficulty
- Limited station locations
- High cost
- Safety concerns
- No issues
- Other (please specify): _____

14. Would you recommend PBS to others? (Select One)s

- Yes
- No
- Maybe

