TENDER FOR CONDUCTING WORKER'S MODE CHOICE SURVEY FOR GREATER CHENNAI METROPOLITAN AREA (CMA) & DATA DIGITIZATION

CLIENT: INDIAN INSTITUTE OF TECHNOLOGY MADRAS (IITM)

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			Walk□ Two-wheeler□ Auto□ Car□ Share auto□ Other :			
	5 Km/ 0.25-0.5 Km/ 0.5 5 Km / DK	5-1 Km/ 1-1.5 Km	Walk□ Two-who auto □Other :	eeler□ Auto□ Car□ Share		
c. Bus ston (near work) to office	5 Km/ 0.25-0.5 Km/ 0.5 5 Km / DK	5-1 Km/ 1-1.5 Km	Walk□ Two-whe auto□ Other :	eeler□ Auto□ Car□ Share		
d. Railway station (near work) to <0.25 Km/ 0.25-0.5 Km/ 0.5-1 Km/ 1-1.5 Km Walk Two-wheeler Auto Car Share						
•	5Km / DK	-1 Kiii/ 1-1.5 Kiii	auto Other :			
2a. Do you think walking is a practical option for your journey from home to work? Yes/No						
b. Do you think cycle is a practical option fo	<i>v s v</i>					
3. On your way from home to work, how is	the(Please tick)					
a. Level of congestion: low Medium high		ltv in crossing iu	nctions : High	Medium□ Low□ DK□		
c. Road safety for walking: Good OK P				OK□ Good□ DK□		
e. Usability of foot path: Poor DOK Good	l □DK □ f.	Road condition:	good 🗆 OK 🗆	poor 🗆 DK 🗆		
g. Interference due to parking / pedestrians	/ bus stops while wa	alking or cycling	: 🗆 low 🗆 Mediur	m □high □ DK		
Part C: Work and non-work travel details						
1a. How frequently do you use the following modes: (1. Daily (D) 2. Frequently (>3 days/ week) (F) 3. Moderate (1-2 times/week)(M) 3. Infrequently (1-2 times/month)(I) 4.rarely or never (<1/month))						
	rain Auto	Share auto	Company bus	App-based services (ola , uber e		
	/M/I/R D/F/M/I/R	D/F/M/I/R	D/F/M/I/R	D/F/M/I/R		
b. How many hours do you travel every day						
c. How many Km do you travel every day?: 2. Home - Work distance (one-way) is: < 3 k				$1_30 \text{ km} \rightarrow 20 \text{ km} \rightarrow DV$		
2. Home - work distance (one-way) is: < 5 k 3.a. Work Place: Area/Locality		b. Str				
				A M/D M		
c. Leave home at:A.M/P.M			ach work at:	A.M/P.M		
e. Leave work at:A.M/P.M		f. Rea	ch home at:	A.M/P.M		
g. Office (starting and ending) timings:	am to r	m h. Your pref	ferred time of arri	iving at work: a.m		

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1 NOTICE INVITING TENDER

1.1 INTRODUCTION

IITM (hereinafter referred to as Purchaser/Client) invites sealed tender from eligible bidders for conducting the worker's mode choice survey for the Greater Chennai Metropolitan Area (CMA) and for data digitization of the same. Where, a worker is an individual who is employed out-of-home (Full-time, part-time or self-employed) and commutes to the workplace. Further details regarding the definition of the worker are specified at section 5.3.4.

Item	Reference
	Tender for conducting worker's mode choice survey for Greater
Title	Chennai Metropolitan Area (CMA) & data digitization
Issuing department	Department of Civil Engineering, Transportation Division
	Dr. Karthik K Srinivasan,e-mail id : karthikks@iitm.ac.in
Contact person details	Ganesh Ambi Ramakrishnan e-mail id: ambi.ganesh@gmail.com
Address of the website where tender and all associated information would be published	http://tenders.iitm.ac.in./ http://www.eprocure.gov.in/
	To conduct worker's mode choice survey for the residents of Greater Chennai Metropolitan Area (CMA) and to digitize the
Brief description of tender	surveyed data.
Period of completion of work	The entire survey and data digitization should be completed within 8 weeks of releasing the purchase order.
Address for submission of quotations	Transportation Engineering Division (BSB 238 B) Department of Civil Engineering Indian Institute of Technology Madras Chennai – 600036

1.2 GENERAL INFORMATION

1.3 SCHEDULE OF BID PROCESS

Sno.	Event	Tentative Dates	Venue
1	Purchasing/Downloading the bid documents		http://tenders.iitm.ac.in./ & http://www.eprocure.gov.in/
2	Opening of technical bid	Within 1 week after tender due date	Transportation Engineering Division (BSB 238 B),

WORKER'S MODE CHOICE SURVEY

		Approximately 1 week	Department of Civil Engineering,
		after opening of	Indian Institute of Technology
3	Opening of commercial bid	technical bid	Madras, Chennai – 600036

If any changes are made to this document, an addendum would be issued by the purchaser. The addendum would be available at the purchaser's website (<u>http://tenders.iitm.ac.in./</u>). The addendum would be a part of the bidding documents and will be binding on all the bidders.

A bidder wishing to withdraw its bid shall notify the purchaser in writing prior to the date and time set for the bid opening. The withdrawal request must be submitted in a sealed envelope clearly labeled "BID WITHDRAWAL NOTICE" and should be accompanied by a written power or attorney authorizing the signatory of the withdrawal notice to withdraw the bid. The withdrawal notice must reference to the original tender document.

2 ELIGIBILITY CRITERIA

The bidders would be shortlisted based on the eligibility criteria below. The bidder must satisfy all the criteria & should provide all the supporting documents mentioned below in order to be eligible.

Sno.	Criteria	Supporting documents
1	Companies registered under the Indian Companies Act 1956 are eligible or a partnership firm registered under the Partnership Act, 1932 or registered under LLP Act, 2008. Consortiums of any sort would not be allowed.	Certificate of Incorporation
	The bidder should have been in operation for at least 3 years as on 1 st February 2015 as evident by the certificate of Incorporation and Certificate of Commencement of Business issued by the Registrar of Companies, India or sales tax certificate or certificate	F F F F F F F F F F
2	 issued by any other government Authority The bidder should not currently have been blacklisted by any Government Agency in India or under a declaration of ineligibility for fraudulent or corrupt 	authority Undertaking from the authorized signatory of the bidder (as per format given in
4	practices or inefficient/ ineffective performance	<u>Annexure 6</u>)
5	The bidder should be a single party, primarily a Survey or their own (no consortium partners) shall execute the entire	-

	worker's mode choice survey and Data digitization works". The pre-qualification criteria						
	for bidders are as follows.						
		Audited balance sheet for the					
		financial year 2011-12, 2012-					
		2013, 2013-14 shall be					
		submitted along with the					
		technical bid. The bidder					
	Average annual financial turnover of the bidder during	must also submit the details					
	the last 3 years ending 31 st March 2014 shall be at least	regarding the same as per					
5.1	Rs. 25 Lakhs.	format given in <u>Annexure 3</u>					
		Documentary proof					
		(Certificate of successfu					
	Experience of having successfully completed similar	completion) from the end					
	works (Household survey for mode choice and Data	user, detailing the size of					
	digitization) during the last 3 years ending on 30 th June	survey samples with customer					
	2015 should be either of the following.	& location details, total					
	a. Two similar completed works costing not less	project cost and date of					
	than INR 10 Lakhs each	completion shall be submitted					
	OR	along with the technical bid					
	b. One similar completed work costing not less	The bidder must also submit					
	than INR 20 Lakhs	the details regarding the same					
		as per format given in					
5.2		Annexure 4					
		Certificate from the current					
	The bidder must have sufficient experience of doing	authorized signatory of the					

Note: Client Certificates should clearly mention value of assignment, size of samples surveyed, languages used for conducting survey and also the volume of data digitized.

3 SELF-DECLARATION

Self-declaration on simultaneous execution of multiple household transportation survey projects: The bidder should provide a declaration about whether the bidder has simultaneously performed more than one project involving household transportation survey data collection inside the same city in India. Projects that overlap by at least one month should be reported as being simultaneously performed.

If the bidder had conducted such concurrent household travel survey projects in the same city, successful completion certificates of survey works carried out simultaneously (or overlapping by more than one month) should be provided as a part of the eligibility criterion. Details regarding these simultaneous projects including project start date, completion date, no. of surveys sampled, value of the project and the area surveyed must also be included in this declaration.

Failure to provide this declaration or false representation may result in the rejection of the bid.

4 INSTRUCTION TO BIDDERS

4.1 BACKGROUND

The Transportation Engineering Division, Dept. of Civil Engineering., Indian Institute of Technology (IIT) Madras, is conducting a research project on travel demand modeling of Greater Chennai Metropolitan, as part of activities at the Centre of Excellence in Urban Transport sponsored by the Ministry of Urban Development (MoUD), Government of India.

As part of the project, worker's mode choice surveys are to be conducted for the greater Chennai Metropolitan area (CMA) to study the various modes of travel chosen by workers for their daily commute. In this connection, services of an external agency are required to carry out the surveys and to digitize the collected data (as described in section "Terms of Reference"). Therefore, IITM invites sealed tender for conducting mode choice survey inside the Greater Chennai Metropolitan Area (CMA) and for data digitization of the same.

4.2 LANGUAGE OF THE BID

The bid as well as all the supporting documents relating to the bid exchanged by the bidder and the purchaser shall be written in English language. Supporting documents and printing literature furnished by the bidder maybe in another language, provided they are accompanied by an accurate translation of the relevant passages in the English language.

4.3 BID VALIDITY

The offer submitted by the bidder should be valid for a minimum period of 180 days from the date of submission of Tender.

4.4 SUBMISSION OF BIDS

Two separate sealed envelopes, one containing the technical bid and supporting documents to prove the eligibility of the bidder for the bid and the other containing commercial bid should be enclosed together in a larger envelope, sealed and superscripted with the title-"Tender for conducting worker's mode choice survey at Greater Chennai Metropolitan Area (CMA) and data digitization", Tender reference no., due date and name of the bidder.

The bid should be addressed to the address given below

Transportation Engineering Division (BSB 238 B) Department of Civil Engineering Indian Institute of Technology Madras Chennai – 600036

ENVELOPE 1 -

The envelope must be superscripted with the title **"TECHNICAL BID"** and must contain the following documents:

- a) All documents mentioned in Annexure 11 duly filled and signed
- b) All documents required as per the "Eligibility criteria" section of the document.
- c) Soft copy of the documents in Microsoft Office/ Open office / Pdf format submitted as per point (a) and (b) mentioned above in CD/DVD

ENVELOPE 2 -

The commercial offer must be given in a separate sealed envelope with the title **"COMMERCIAL BID"**. Bidder should submit their prices only as per the format for commercial bid including bill of quantities as given in Annexure 10. The bid price quoted other than the bid form shall be liable to be rejected. All the prices should be quoted in Indian Rupees. The bid form must be filled in completely without any errors, erasures or alterations. The bid form prices must not contain any conditions. Conditional bid form is liable to be rejected.

A soft copy of commercial bid including bill of quantities on CD/DVD in Microsoft Office (Excel)/ Open office (Calc) format must also be submitted along with the commercial bid documents.

4.5 PERFORMANCE SECURITY

Performance security @ 5% of the total order value shall be submitted by the successful bidder in the form of DD/FD/ Bank Guarantee favoring IITM, along with the order acceptance. The performance security shall be valid up to 120 days beyond completion of project. The performance security will be returned after acceptance of project report by IITM.

4.6 **DISQUALIFICATION**

The bidder would be disqualified at any time during the bid process at the sole discretion of the purchaser, for the following reasons:

- 1. Submitted the bid after the response deadline;
- 2. Made misleading or false representations or suppressed relevant information in the bid proposal (including documents, forms, statements, attachments, presentations, etc.) submitted as proof of the eligibility requirements or as part of their proposal;
- 3. Failure to meet any of the eligibility criteria as mentioned in section "Eligibility Criteria".
- 4. Failed to provide clarifications, non-responsive and/or substantive responses, when sought;

 Blacklisted by the Government of India ("GoI"), State Government or any other Government owned agency including quasi-Government sector organization or company, for corrupt, fraudulent practices or reasons related to non-performance in an engagement on the date of opening of bid.

4.7 LIABILITY/ACCIDENT

The contractor shall keep indemnified IIT Madras against all delays, losses and claims for injuries/death and damages to any person or property whatsoever which may arise out of or in consequence of the Survey work and against all claims, demands, proceedings, damages, costs, changes, expenses whatsoever in respect thereof in relation thereto. The contractor should comply with all Govt. (State & Central) statutory Requirements as per law.

4.8 APPLICABLE LAW

- 1. The vendor shall be governed by the laws and procedures established by Government of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/processing.
- 2. All disputes in this connection shall be settled in jurisdiction of the head quarters of the purchaser.
- 3. Purchaser reserves the right to cancel this bid or modify the requirement without assigning any reasons. The purchaser will not be under obligation to give clarifications for the same.
- 4. Purchaser reserves the right that the work can be allocated to any of the empanelled vendors.
- 5. Purchaser also reserves the right to relax any of the terms & conditions of the bid.
- 6. Purchaser, without assigning any further reason can reject any bid(s), found defective in any manner

4.9 DISPUTES/ARBITRATION

In the event of a dispute or a difference of any nature whatsoever between the parties during the course of performance of respective obligations arising out of this Agreement, the parties agree to refer the matter to the Director IIT Madras to resolve the disputes keeping in view the best interest of the parties and in keeping with the spirit of performance of this Agreement. If the matter still remains unresolved, then the aggrieved party may apply to the Director, IIT Madras to appoint an Arbitrator to adjudicate the dispute. Within one month of receipt of application to appoint an arbitrator, the Director will appoint a sole arbitrator to decide the case. The arbitrator will conduct the proceedings as per Arbitration and Conciliation Act, 1996. The cost of arbitration will be shared equally by both the parties.

4.10 JURISDICTION

The Parties to this Agreement hereby declare that the Courts in Chennai alone are competent to deal with disputes, if any, arising out of this Agreement.

5 TERMS OF REFERENCE

5.1 OBJECTIVES

The Indian Institute of Technology, Madras (IITM) (hereinafter referred to as the "Study Team") is conducting "WORKER'S MODE CHOICE SURVEY FOR GREATER CHENNAI METROPOLITAN AREA (CMA) & DATA DIGITIZATION" (hereinafter referred "The Study").

The objective of the study is to conduct worker's mode choice survey and to digitize the data from paper format to study the modes of travel chosen for daily commute by the working individuals in Chennai city. The worker's mode choice surveys are to be conducted in 3000 households as noted in Section 5.3.3.

The survey consists of two parts:

- 1. A worker's revealed mode choice questionnaire to obtain data on socio-economic characteristics, vehicle ownership, travel facilities near home and work, means of travel (referred to as mode hereafter) chosen for daily commute from range of available modes etc. by a working individual in a household.
- 2. Worker's stated preference (SP) mode choice questionnaire must be conducted to analyze the demand for upcoming or planned systems such as Metro rail etc. and also about various improvements in public transit inside the CMA. There are four types of worker's SP mode choice survey. These are as follows
 - a. Worker's SP mode choice survey on Metro
 - b. Worker's SP mode choice survey on congestion and personal vehicle
 - c. Worker's SP mode choice survey on company bus and multi-modal travel
 - d. Worker's SP mode choice survey on mobile app based taxi and auto services

In any case, a worker shall be surveyed for only one revealed mode choice survey and only one of the four SP mode choice surveys as indicated in section 5.3.3 & in table 1.

Study duration: 8 weeks from the date of order.

5.2 BASIC APPROACH

The overall study shall be performed in a systematic manner. The work on mode choice survey and data digitization involves the following four major tasks:

- 1. Survey preparatory activities: Where pre-requisite preparatory activities for worker's mode choice survey shall be prepared and administered and where all the necessary letters and permits shall be prepared. Further, the inception report shall be submitted containing the detailed operational plan for implementing the survey and mobilization of manpower shall be completed.
- 2. Survey implementation: where the surveys will be conducted in the field and data collected from working individuals of the households.
- 3. Data Digitization/Processing, where the responses of field data collection shall be digitized and archived

4. **Report preparation,** where the result of the data digitization and the survey document are submitted to the study team, and a survey report shall be prepared which includes - Survey description, records of major activities and compiled data and information.

5.3 TECHNICAL SPECIFICATIONS

5.3.1 Survey Objective

The objective of worker's mode choice survey is to collect extensive data on the modes selected for travel among various alternatives available at present and also those planned in future for a working individual in a household.

5.3.2 Survey Method

The survey must be conducted using face-to-face interview. The vendor shall obtain all permits or license required (such as permits from entering colonies, apartments etc. if any) and also for the work from appropriate governmental agencies at his own expense prior to the start of survey work.

5.3.3 Study area, Survey Location, Sampling Profile and Sample Size

- a) Study Area: Greater Chennai Metropolitan Area (CMA) (see Figure 1).
- *b)* Sample size: Total 3000 Households divided into 12 zones (see Figure 1)

The study team reserves the right to modify the total number of households in each area based on project requirements. Therefore the bidders should quote on a per completed household basis.

- c) Areas and associated zones: Zones 1-12 (see Figure 1)
- d) Zonal distribution:

Zonal distribution for worker's revealed mode choice survey: The percentage of households sampled in each zone should be based on the table 1.

Zonal distribution for worker's SP mode choice survey: The mode for which SP survey will be considered in each zone will depend on whether the zone lies in the influence area of Metro rail. In zones that do not lie in the influence area of the Metro rail system, a questionnaire on congestion and personal vehicle, a questionnaire on company bus and multi-modal travel, a questionnaire on mobile app based auto and taxi services SP survey will be conducted as per formats given in annexure 9a, b,c & d. The tentative zones and types of SP survey to be conducted in each zone are listed in Table 1 below. All the questions in the SP survey shall be answered by the respondents irrespective of their current mode of travel.

Zone	Zonal distribution of total households to be sampled in the study area	Type of Stated preference survey to be conducted inside each zone
1	13.6	Congestion and personal vehicle SP mode choice survey
2	2.0	Company bus and Multi – modal SP mode choice survey
3	3.1	Company bus and Multi – modal SP mode choice survey
4	8.7	Company bus and Multi – modal SP mode choice survey
5	4.4	mobile app based auto and taxi services SP mode choice survey
6	4.1	Congestion and personal vehicle SP mode choice survey
7	4.8	mobile app based auto and taxi services SP mode choice survey
8	12.0	Company bus and Multi – modal SP mode choice survey
9	7.6	mobile app based auto and taxi services SP mode choice survey
10	7.2	Congestion and personal vehicle SP mode choice survey
11	7.4	mobile app based auto and taxi services SP mode choice survey
12	25	Metro rail SP mode choice survey

Table 1: Zonal distribution of total households to be sampled in Study area

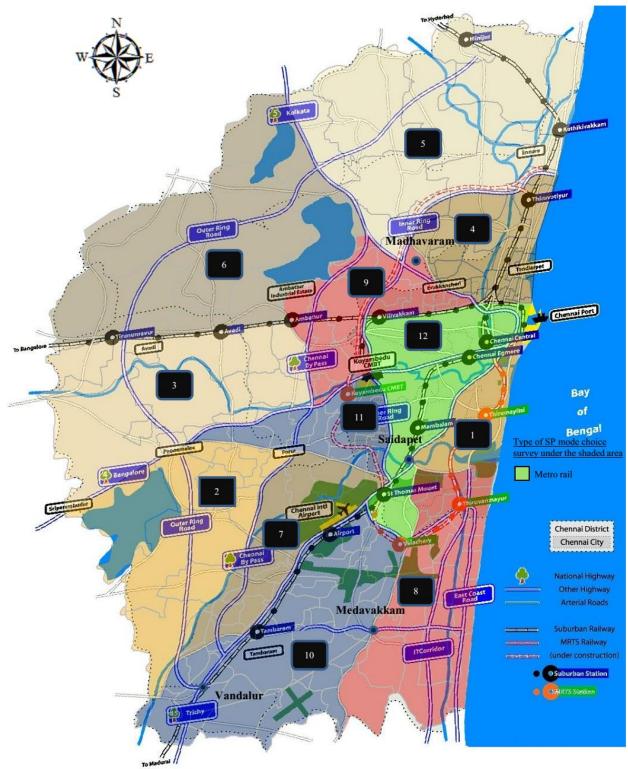


Figure 1: Detailed area of study

e) Sampling Distribution over weekdays and weekends:

Within each zone, the worker's mode choice survey shall be obtained both on weekdays and weekends.

5.3.4 Survey Details:

A completed worker's mode choice survey shall contain complete and accurate information regarding:

- 1. A worker's revealed mode choice questionnaire to be filled based on response from one working respondent in the household, and
- 2. A worker's SP mode choice questionnaire to be filled based on the response from the same working respondent in the households. The type of worker's SP questionnaire must be strictly based on the information provided in table 1. However, each respondent must answer all the questions in that SP survey irrespective of their current mode of travel.

The worker's mode choice survey must contain all relevant details as discussed in section 5.3.3.

The worker's mode choice survey shall be conducted **no more than one** working (or self employed) individual from every household. These workers should be employed out of home (either part-time or full-time) and **should not be** in a job that involves lot of travel for work related purposes such as medical representatives, auto or taxi drivers, marketing representatives etc.

5.3.5 Survey format

The questionnaires will be based on the tentative formats given in Annexure (given in annexure 8, 9a, 9b& 9c) and any changes should be approved by the study team.

Worker's revealed mode choice questionnaire format: The final questionnaire must be based on the tentative format given in annexure 8.

Worker's SP mode choice questionnaire format: Each worker will be asked SP questions from one of the four formats (SP-Metro, or SP-congestion and personal vehicle, or SP-company bus and multimodal, or SP-mobile app based auto and taxi services) as designated in Table 1 depending on their zone of residence. The final questionnaire must be based on the tentative format given in annexure 9a, 9b, 9c & 9d

5.4 SCOPE OF WORK

5.4.1 Task 1: Survey Preparations:

The vendor is responsible for:

- 1. Preparation of all necessary equipment and necessary materials and resources for the execution of the survey and installations if any.
- 2. Mobilization, training and transport of the personnel to and from the survey or site locations, and their well-being and necessary insurance.

- 3. Preparation and printing of the necessary survey questionnaires, which shall be approved by the study team.
- 4. Arrangement of any necessary authorities' approvals
- 5. Submission of inception report.

Mobilization task includes mobilization of both human and material resources (such as vehicles, survey instruments etc.) for the survey. Staff deployment planning shall be done paying due attention to the project plan and stage-wise deliverables. A kick-off meeting will be held at IIT Madras, prior to the planned commencement of surveys to serve the following purposes:

- Introduction between vendor and client team
- Establish general communication
- Review and assessment of vendor's approach and work plan. The approval of detailed work plan must be obtained in writing from IIT Madras before commencement of surveys.

The vendor shall provide an inception report including the detailed operational plan for implementing the surveys which should be approved by the study team before implementation. The operational plan shall consist of details about:

- a. Timing of contact with working individual in a household on weekdays and weekends
- b. Sampling strategy within zones for both surveys
- c. Manpower and personnel involved

These operational details should be consistent with the other technical terms noted under Task 2 on survey implementation below.

5.4.2 Task 2: Survey Implementation:

5.4.2.1 Stages of worker's mode choice survey:

The worker's mode choice survey shall be conducted in two stages

Stage 1: Firstly, the revealed worker's mode choice survey is conducted for no more than one worker from the randomly selected household inside the study area.

Stage 2: Secondly, a worker's SP mode choice survey is conducted for the same worker according to the zones and the type of SP mode choice survey mentioned in figure 1 and table 1 in section 5.3.3

5.4.2.2 Timing of Household Visits for Conducting the Survey:

The household visits should be timed so as to avoid inconvenience to respondents to the maximum extent.

During weekdays, the survey may be conducted between 3:00 PM and 8:00 PM

During Saturdays and Sundays, the survey may be conducted between 9:00 AM to 12:00 PM and 3:00 PM to 8:00 PM.

The vendor shall obtain all permits or license required (such as permits from entering colonies, apartments etc. if any) and also for the work from appropriate governmental agencies at their own prior to the start of survey work.

5.4.2.3 Sampling Method within Zones:

Sampling of households that have participated in a household travel survey (of any kind) in the last six months (from the start of the field surveys) is not permitted. A screening question is to be included at the beginning of the survey in order to eliminate such households from participating in this study.

The households chosen for surveying should be based on simple random sampling technique so that the sample of working individuals in the households is a representative of the employed population of the selected zones in CMA in terms of basic socio-economic characteristics such as household sizes, number of vehicles, income etc. These workers **shall not be** in a job that involves lot of travel for work related purposes such as medical representatives, auto or taxi drivers, marketing representatives etc..

In case of attached dwelling units such as apartment complexes with less than hundred (100) dwelling units or flats, no more than two (2) households can be sampled. For large complexes with more than hundred (100+) dwelling units, no more than four (4) households may be sampled.

Detailed sampling techniques must be prepared by the vendor and approved by the study team as part of the operational plan before implementation of the survey.

5.4.2.4 Manpower and Personnel for Conducting the Survey:

The composition of the survey team members and their educational qualification and experience should be submitted along with the technical bid as per the formats given in <u>Annexure 5</u>. The cost of manpower should also be included as a separate line item in the commercial bid as per section 6.2.

The manpower description in technical bid should include details of key personnel such as team leader, survey coordinator or survey supervisor and details of other personnel involved (e.g. surveyors, survey supervisors, assistants for data processing etc.). The surveyors who are employed for the field survey must be sufficiently skilled and having passed at least 10th standard. They must be at least 18 years of age as on 1st February 2015. The names of surveyors with details such as age and educational qualification shall be provided to the study team at the time of mobilization.

Team Leader

All bidders must involve in this project, a team leader who is a technical person with a minimum qualification of M. Tech in Transportation Engineering or a transportation expert with a minimum of three years of experience in traffic and transportation area. This person must be an existing employee in the roll of the company for a period of at least 6 months before March 1st, 2015. The CV of this person must be attached with the technical bid.

Team leader shall be responsible for overall survey activities and reporting works. Therefore, he/she will have to keep close contact with IITM study team during the course of the survey. The team leader shall also be responsible for ensuring the quality of data collection and processes used throughout the survey and its digitization.

5.4.3 Task 3: Data digitization/processing

For the worker's revealed mode choice and SP mode choice survey, the hard copy of the survey forms containing all the responses must be digitized by the vendor into data (in spreadsheet format) containing the responses from household. The format for digitization of survey will be developed by the vendor in consultation with the study team.

The data digitization work is to be carried out concurrently along field survey work. Any corrections made in the hard copy of the survey questionnaires after quality check must be reflected in the digital format also.

The collected data and information shall be checked and processed by the vendor in accordance with the format approved by the study team. The vendor shall check the survey forms and correct the data before submitting the report to the study team. Survey implementation details including the date and time of starting and completing the survey, location of conduct of the survey (nearest intersection roads/landmark). Language used for survey must also be provided.

5.4.4 Task 4: Final Report Preparation

The final survey report shall include - the survey description, records of major activities and compiled data and information

5.5 OUTPUT & DOCUMENT USAGE

The survey output shall include the followings:

- 1. Completed worker's mode choice survey forms (SP and RP) in hard copy
- 2. Organized data in digital files.
- 3. Completion record shall include survey description, records of major activities and compiled data and information

5.5.1 Document Usage:

The study and all associated data (survey data sheets, electronic files, etc.) will be the property of the client (Indian Institute of Technology Madras) and shall in no manner be shared / reproduced / utilized for any purpose without the written approval of the client.

5.6 GENERAL REQUIREMENTS

5.6.1 General Instructions

The vendor shall arrange and prepare all necessary personnel, survey materials, manpower and tools for implementing the work. The vendor shall be responsible for all the relevant cost of personnel, survey material, transportation of the personnel and other related cost for carrying out the field work.

The vendor shall be responsible for any faults during the work and accordingly no claims will be accepted by the study team.

The study team has the right to access the site during any time of the survey implementation to check the activities and to request the revision of survey instruments and survey process.

5.6.2 Coordination with the IITM Study Team

The vendor must coordinate with the study team during various stages of project to ensure that accurate data is obtained in a timely manner and that the survey process is standardized and uniform across enumerators. Following is the list of tentative events for which the vendor must coordinate with the study team.

- 1. Initial enumerator training shall be conducted by the study team
- 2. Operational plan with schedule for all activities shall be prepared by the vendor and approved by study team
- 3. Quality checks will be conducted by the study team after the completion of every one-third of the total surveys. The vendor shall provide hard copy of completed survey sheets and contact information including name, phone and address of the respondent for each household surveyed for quality assurance and improvement purposes.
- 4. The study team will perform quality checks and give any feedback to the vendor within 10 days of providing the survey sheets to the study team. If the study team finds out any errors or incomplete data in the surveys, the vendor shall correct the data by its own effort as instructed by the study team.
- 5. Quality checks for the digitized data will also be performed after 50% of digitization work is complete.
- 6. Details about survey implementation including: dates and locations of planned surveys, number of contacts, acceptance rate, completion rate, duration of survey, language used etc. shall be recorded and shared with the study team as and when requested.
- 7. Format for digitization of survey will be developed in consultation with the study team.

5.6.3 Data Quality, Accuracy and Completeness

The survey data should be consistent and complete as per the specified format. Quality check will be done by the study team during various stages of work (as noted in Section 5.6.2) to check the accuracy and completeness of the collected data

The vendor has to ensure the quality of collected data and ensure that all requirements in this specification are strictly adhered to. If the study team finds out format, range or logical errors or incomplete data in the surveys or its digitization, the vendor shall correct the data by its own effort as instructed by the study team.

6 INSTRUCTIONS FOR COMMERCIAL BID AND PAYMENT TERMS

6.1 INSTRUCTIONS FOR COMMERCIAL BID

The vendor shall be responsible for all material costs associated with conducting the survey including questionnaires, pads, pens etc. These material costs should be budgeted as a separate line item in the commercial bid on a per completed household basis. Justification for the items included and costs entailed shall be provided in the commercial bid. The format for commercial bid including bill of quantities must be as per format given in annexure 12.

The cost of manpower should also be included as a separate line item in the commercial bid on a per completed household survey basis along with a detailed justification of the cost estimates for the different personnel involved in the project team. A detailed justification and the basis for estimation of enumerator cost per completed household should be provided with the commercial bid. As the quality of data is of paramount importance, the study team reserves the right to reject any bid that does not have this information or has unreasonably low (< Rs. 100 / enumerator per complete household survey) or high values of personnel cost estimates, particularly enumerator costs.

To ensure the quality and completeness of data and in view of the time commitment required from all household respondents for the survey, the vendor shall include a line item in their budget (per completed household)towards compensating the respondents for the opportunity cost of survey responses. This line item should be consistent with the rate mentioned in Annexure 12. The vendor shall be responsible for providing this compensation (such as a memento/souvenir/other token of appreciation in kind) to households that respond completely and should be approved by the study team as part of the operational plan provided by the vendor.

The study team reserves the right to modify (e.g. by about 10-20%) the total number of households in each area based on project requirements. Therefore the bidders should quote on a per completed household survey basis.

6.2 PAYMENT TERMS

- 1. 5% payment of order value shall be released after mobilization and submission of inception report.
- 15% payment of order value shall be released on completion of 1/3rd of surveys & after its quality check
- 3. 20% payment of order value shall be released on completion of 2/3rd of surveys & after its quality check
- 4. 15% payment of order value shall be released on completion of all surveys & after its quality check
- 15% payment of order value shall be released on completion of 50% of data digitization work & after its quality check
- 6. 15% payment of order value shall be released on completion of 100% of data digitization work & after its quality check
- 7. Balance 15% payment of total order value shall be released on submission of performance bank guarantee for an equivalent amount valid for a period of 120 days beyond completion of the project.

ANNEXURES

Annexure 1: letter of submission of bid

Letter of submission of bid (To be submitted on the Letterhead of the responding agency i.e. bidder)

To,

Project Coordinator, Transportation Engineering Division (BSB 238 B) Department of Civil Engineering Indian Institute of Technology Madras Chennai – 600036

Ref: Tender Reference No.

Sir,

The bid document on the selection of vendors for worker's mode choice survey and data digitization of records as detailed in your bid document, terms & conditions, technical specifications and scope of work, etc., have been perused / examined thoroughly and the provisions and requirements and all other factors governing the bid have been understood. I/ we hereby submit our offer for the proposed survey work and data digitization in accordance with the terms and conditions and confirm our acceptance to execute the order at the rates quoted by us in the accompanying commercial bid. We further confirm that:

a) We have sufficient qualified manpower and necessary materials to execute the order efficiently in the specified time schedule

b) We further confirm that the points of the bid document have been read, understood and signed and there is no deviation / discrepancy.

Signature of the bidder

(With stamp and date.)

Annexure 2: Business Details

(To be submitted on the letterhead of the responding agency)

Name of the Bidder:_____

II. Incorporation as Sole Proprietor/Partnership/Private Limited or Limited Firm:

_____ in the year ______ at _____

III. Bidder's Profile:

Sno.	Details of bidder	Particu	ılars				
1	Contact details						
	Telephone number.						
	Fax						
	Mobile number						
	e-mail						
2	Category of the Bidder (Whether company, partnership firm or registered society) Please provide registration details.						
3	Name of the Chief Executive Officer & Telephone No.						
4	Sales Tax/Commercial Tax/ CST nos.						
5	Income Tax PAN/GIR No.						
6	Name(s), contact number and Address(s) of proprietor or partners or Directors	Sno.	Name	Designation	Postal address	Email	Contact no.

Annexure 3: Turnover Details

Turnover (Rs.)						
2011-12	2012-13	2013-14				

Annexure 4: List of similar works completed

List of similar works successfully completed by the bidder with satisfactory completion end user certification

Sno.	Name of client	Project Name	Project completion date	Value of work (in Rupees)	Brief description of the project and scope of work (Attach work order copies)	Role of bidder	No. of samples surveyed	Client contact details with name, designation and contact no.	Completion certificate enclosed (Y/N)

Annexure 5: List of key personnel and other personnel

Format for list of key personnel (CVs of the key personnel to be attached)

Educational	Years of experience	Relevant projects
Qualifications		and similar
		responsibility
	Qualifications	Qualifications

Format for list of other personnel

Title	Number of	Educational	Experience	Other relevant
	personnel(s).	Qualifications		details (if any)
E:-14 C				
Field Surveyors or				
enumerators				
Personnel for data				
processing				

Annexure 6: Letter of Declaration

Declaration that the bidder has not been blacklisted (To be submitted on the letterhead of the

responding agency i.e the bidder)

Place:

To,

Project Coordinator, Transportation Engineering Division (BSB 238 B) Department of Civil Engineering Indian Institute of Technology Madras Chennai – 600036

Reference : Tender Reference no. -

Subject: Self declaration of not been blacklisted in response to the Selection of vendors for Chennai worker's mode choice Survey

Dear Sir,

We confirm that our company, is not blacklisted in any manner whatsoever by any of the state and/or central government in India on any ground including but not limited to indulgence in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice. Place:

Date: Bidder's Company Seal:

Authorized Signatory's Signature:

Date:

Annexure 7: Project implementation schedule

The bidder shall provide the week-wide project implementation schedule for the work completion (with macro and micro activities mentioned) for a period of 12 weeks. Below is a sample format.

Sno.	Tasks	Weeks											
		1	2	3	4	5	6	7	8	9	10	11	12
1	Preparation and Permits												
2	Field survey												
3	Coding and Data input												
4	Data check												
5	Reporting and Job completion												

Annexure 8: Format for worker's revealed mode-choice survey

questionnaire

Part A: Vehicle availability and owners	QUESTIOIII			
· · · ·	<u> </u>	ii Tuu	-wheeler	iii. Car
1.Details regarding vehicles in the house a.Number of vehicles	i. Bicycle		2/3/≥4	0/1/2/3/≥4
a.Number of venicies b. No. of household members who can dr			2/3/≥4	0/1/2/3/≥4
c. Can you drive a : Bicycle 2wheeler				
2a. Is a household vehicle available only		÷ ,		car : yrs
b. If available, Make and model of the v	ehicle you drive to work:		/NA c. Year	of purchase :
d. Fuel type : Petrol / Diesel / Electric / e. Is the vehicle used to home to work p		Yes□ No□		
f. Distance travelled using your person <1000 Km□ 1000-3000 Km□ 3000 -	al vehicle in one year (for	all purposes)	000 Km∏ Do	n't know □
3. Do you often make trips that involve? pick up or drop off of other family member Combine different activities (such as shop odd timings (very late at night or early in Return home for lunch []	(tick all that apply): ers/friends □ Joint travel(wi oping, work) in a single trip[th 1 or more cop □ Travellin	assengers) □ g to many diffe	Carrying heavy items/bags □ rent destinations in a day □
4. Number of days you go towork per we	ek: 3 or less□ 4 days□	5 days⊡	6 or more days	
5a. If needed, is it possible to take public	transport (bus/train) on y	our way from h	ome to work?:	Yes / No
b. If yes, which options are available (ti	ck all that apply): 🗆 Bus 🏾	⊐ Mini-Bus ⊡M	IRTS Train □S	uburban Train ⊡Metro
c. If needed, which paid private transpo vehicle (tick all that apply): Auto	-	r going from ho cab□	ome to work di	rectly, without any other
d. Is a company bus available for going				
e. What is company bus available for going				
f. Distance from home to company bus			.5-1 Km□	1 - 2km□ >2km□
Part B: Nearby Transport facilities deta	*			
1. What is the distance from?:	Distance		How would	you reach this place (usually) (tick one)
a. Home to nearby bus stop	<0.25 Km/ 0.25-0.5 Km/ 0.5-1 >1.5Km / DK		Walk□ Two-w auto□ Other :	vheeler□ Auto□ Car□ Share
	<0.25 Km/ 0.25-0.5 Km/ 0.5-1 >1.5Km / DK		Walk□ Two-w auto □Other :	vheeler□ Auto□ Car□ Share
c. Bus ston (near work) to office	<0.25 Km/ 0.25-0.5 Km/ 0.5-1 >1.5Km / DK		Walk□ Two-w auto□ Other :	rheeler□ Auto□ Car□ Share
	<0.25 Km/ 0.25-0.5 Km/ 0.5-1 >1.5Km / DK		Walk□ Two-w auto ⊓Other :	rheeler□ Auto□ Car□ Share
2a. Do you think walking is a practical	option for your journey fro	om home to wor	rk? Yes/No	
b. Do you think cycle is a practical optic				
3. On your way from home to work, how				
a. Level of congestion: low Medium		in crossing jun	ctions : High⊓	Medium□ Low□ DK□
c. Road safety for walking: Good□ OK	🗆 Poor 🗆 DK 🔲 🦳 d. H	Road safety for	bicycles: Poor	
e. Usability of foot path: Poor DOK DO	Good □DK □ f. R	oad condition: g	good 🗆 🛛 OK 🛛	🗌 poor 🗆 DK 🗆
g. Interference due to parking / pedestr	•	ing or cycling :	\Box low \Box Med	ium 🗆 high 🗆 DK
Part C: Work and non-work travel deta				
1a. How frequently do you use the follo				. Moderate (1-2 times/week)(M) never (<1/month))
2w Car Bus	Train Auto		Company bus	
D/F/M/I/R D/F/M/I/R	D/F/M/I/R D/F/M/I/R	D/F/M/I/R	D/F/M/I/R	D/F/M/I/R
b. How many hours do you travel every c. How many Km do you travel every de				
2. Home - Work distance (one-way) is:				
3.a. Work Place: Area/Locality		b. Stre		
c. Leave home at: A.M/P.M	1		ch work at:	A.M/P.M
e. Leave work at: A.M/P.M			ch home at:	A.M/P.M
g. Office (starting and ending) timings:				

b. How many differ c. Do you have any	flexibility in v	our workplace	e such as: Flexib	le timing□	Work from h	nome□ w	ork in sh	ifts□	None□
d. Penalty for late a			hourly pay cut		f-day pay cut□				
5. What are the des	tinations to w	hich you trave	l most frequent	ly for shop	ping, social an	d recreati	onal acti	vities?	Give their
travel details in tab							-		
Most frequent destinations for		rea and street me)	Number of ti week	-	Approximat ł	te distance 10me	from		ns of travel • this trip
1 Shopping			Once□ twice□ thrice□ four or more□			0.5Km□ 0.5-1 □ 1 – 3 K 3 – 5 Km □ >6Km □ D			w / bus / train cycle / other
2 Social/Religious			-	Once□ twice□ thrice□ four or more□		-1 □ 1 – 3 >6Km □ 1	_		w / bus / train cycle / other
3 Recreation			Once twice four or me		0.5Km□ 0.5- 3 – 5 Km □				w / bus / train cycle / other
Part D: Work Trav	el details								
1. Travel time from		k under: Norm	al traffic	min		Very conge			min
2. Have you used last 3 months fro work trip. (tick all the		a) If ticked, w(tick all that a)		did you tl	cked in 1 st col, hink about (or using any	about			d you thinl sing (ticl
Personal vehicle		2wheeler□	Car□	1 eroonai	vehicle: Yes/N	2		Car□	
□Public transport		& bus together bus p MRTS train		nsport:Yes / N	MRTS	Train & bus together □ MRTS train □ Suburban Metro□			
□Paid transport by p operators (auto, share □ Non-motorized-wa	e auto etc.)	Auto□ Taxi [maxicab□ Co Walk□			sport: Yes / N prized: Yes / N	maxic	Auto Taxi Share auto maxicab Company bus Walk Bicycle		
3. Among the mode					•				
what is your			-	,,	Travel	mode	No. of d	-	
a. Usual means of tra		-	ou use most ofte	n				/4/3/2/ra	
b. 2nd most frequent							Daily/4/		
c. Means of travel w	nile returning						Daily/4/	3/2/1/ra	rely
u. II the usual mean	s of travel is	train, which se	rvice did you us	e MRTS□	Suburban□	Metro□			
4. If you have used a. Location (stop nam b. Location (stop nam c1. Do you need to g c2. if yes, what is th d. If yes, where do Halt 1: e. Give the following	public transp ne and area) o ne and area) o get down som e total distan you usually c	ort (bus or tra f first bus stop/r f last bus stop/r ewhere during ce you walked hange means o Halt	in) to go from h railway station yo ailway station yo your journey to to change the m f travel (buses , t 2:	ome to wor ou use from ou use near o change m odes or bu train or sha	k anytime in t home : workplace: odes or buses' ses/trains: <50 are auto etc.) - Ha	the last 3 m ? Yes/N 0m / 50–25	o 0 m / 250 tion (sto	give the 0 – 500 p name	details m / > 500 m and area)
4. If you have used a. Location (stop nam b. Location (stop nam c1. Do you need to g c2. if yes, what is th d. If yes, where do Halt 1:	public transp ne and area) o ne and area) o get down som e total distan you usually c	ort (bus or tra f first bus stop/r ewhere during ce you walked hange means o Halt it your public t Usual n	in) to go from h railway station yo ailway station yo your journey to to change the m of travel (buses , t 2:	ome to wor ou use from ou use near o change m odes or bu train or share com home t o No. o	k anytime in t home : odes or buses: ses/trains: <5(are auto etc.) - Ha o workplace: f days it is	the last 3 m ? Yes/N 0m / 50–250 - give locat	o) m / 25(tion (sto	give the 0 – 500 p p name	details m / > 500 m and area) Alternate
4. If you have used ja. Location (stop name). Location (stop name)	public transp ne and area) o ne and area) o get down som e total distan you usually c	ort (bus or tra f first bus stop/r ewhere during ce you walked hange means o Halt it your public t Usual n	in) to go from h railway station yo ailway station yo your journey to to change the m of travel (buses ,) t 2: transport trip fr	ome to wor ou use from ou use near o change m odes or bu train or share com home t o No. o	k anytime in t home : odes or buses' ses/trains: <50 are auto etc.) - Ha o workplace:	the last 3 m ? Yes/N 0m / 50–250 - give locat	o) m / 25(tion (sto	give the) – 500 p name	details
4. If you have used ja. Location (stop name). Location (stop name)	public transp ne and area) o ne and area) o get down som e total distan you usually c g details abou	ort (bus or tra f first bus stop/r f last bus stop/r ewhere during cc you walked hange means o Hah it your public t Usual m rea Walk /2w	in) to go from h railway station yo ailway station yo your journey to to change the m of travel (buses , t 2:	ome to wor ou use from ou use near o change m odes or bu train or sha om home t o No. o us	k anytime in t home : odes or buses: ses/trains: <5(are auto etc.) - Ha o workplace: f days it is	the last 3 m ? Yes/N 0m / 50–250 - give locat	o) m / 25(tion (sto	give the 0 – 500 p p name	details m / > 500 m and area) Alternate
 4. If you have used ja. Location (stop name). Location (s	public transp ne and area) o ne and area) o get down som e total distan you usually c g details abou	ort (bus or tra f first bus stop/i f last bus stop/i ewhere during ce you walked hange means o Hah Hah tt your public to Usual n rea Walk /2w /auto / oth	in) to go from h railway station yo ailway station yo your journey to to change the m f travel (buses , t 2:	ome to wor ou use from ou use near ' o change m odes or bu train or sha om home t o No. o us Daily/-	k anytime in t home : workplace: odes or buses' ses/trains: <50 are auto etc.) - Ha o workplace: f days it is ed/week	the last 3 m ? Yes/N 0m / 50–250 - give locat	o) m / 25(tion (sto	give the 0 – 500 p p name	details m / > 500 m and area) Alternate
 4. If you have used ja. Location (stop name). Location set as the set as the set of the se	public transp ne and area) o ne and area) o get down som e total distan you usually c g details abou	ort (bus or tra f first bus stop/r f last bus stop/r ewhere during ce you walked hange means o Hah tt your public f Usual n rea Walk /2w /auto / oth bus / train / walk / oth	in) to go from h railway station yo ailway station yo your journey to to change the m of travel (buses ,) t 2:	ome to wor ou use from ou use near ' o change m odes or bu train or sha om home t o No. o Usily/- Daily/-	k anytime in t home : odes or buses' ses/trains: <50 are auto etc.) - Ha o workplace: f days it is ed/week 4/3/2/1/rarely	the last 3 m ? Yes/N 0m / 50–250 - give locat	o) m / 25(tion (sto	give the 0 – 500 p p name	details m / > 500 m and area) Alternate mode(s) Ask alternate mode only
 4. If you have used ja. Location (stop namble) to a cation (s	public transp ne and area) o ne and area) o get down som e total distand you usually c g details abou op / railway	ort (bus or tra f first bus stop/r ewhere during ce you walked hange means o Hah tt your public f Usual n rea Walk /2w /auto / oth bus / train / walk / ot Bus / train / walk / oth	in) to go from h railway station yo ailway station yo your journey to to change the m of travel (buses ,) t 2:	ome to wor ou use from ou use near ' o change m odes or bu train or sha om home t o No. o Usily/- Daily/- Daily/- O Daily/-	k anytime in t home : workplace: odes or buses' ses/trains: <50 are auto etc.) - Ha o workplace: f days it is ed/week 4/3/2/1/rarely	the last 3 m ? Yes/N 0m / 50–250 - give locat	o) m / 25(tion (sto	give the 0 – 500 p p name	details m / > 500 m and area) Alternate mode(s) Ask alternate
 4. If you have used ja. Location (stop name). Location state state	public transp ne and area) o ne and area) o get down som e total distan- you usually c g details abou op / railway vay station to h	ort (bus or tra f first bus stop/r ewhere during ce you walked hange means o Hah tt your public (Usual n rea Walk /2w /auto / oth bus / train / walk / ot Bus / trai / walk / ot	in) to go from h railway station yo ailway station yo your journey to to change the m of travel (buses ,) t 2:	ome to wor ou use from ou use from o change m odes or bu train or sha com home t Daily/- Daily/- Daily/-	k anytime in t home : workplace: odes or buses' ses/trains: <50 are auto etc.) - Ha o workplace: f days it is ed/week 4/3/2/1/rarely 4/3/2/1/rarely	the last 3 m ? Yes/N 0m / 50–250 - give locat	o) m / 25(tion (sto	give the 0 – 500 p p name	details m / > 500 m and area) Alternate mode(s) Ask alternate mode only for access and first and

5. If you have used personal vehicle to go from home to work	anytime i	in the last	3 months,			
a. Who drives it usually? (tick one)						
					rkers take turns	
b. Total toll:Rs/day c	. Parking	g charges:	Free / Rs		lay/week/month/	year
d. How often do you fill fuel in (2w/Car)?						
2-3 times a week/ once in a week / once in 2 weeks / once in 3 w	eeks / once	e in a mont	h / rarely /	DK		
e. Average amount spent per fill : Rs / hard to say						
	n on month	Not onel	i a a h l a			
f. if you hired a paid driver, expense for driver : Rs.	per month	n /Not appl	Icable			
g. Give the following details:						
Walking distance to parking? Time spent searc				No. of c	o-passengers	
<0.1 Km 0.1-0.25 0.25-1.0 Km >1 Km < 2min 2-5	6-10 >	10 min			o pussengers	
				0 /	1 /2 / ≥3	
6. If you have used personal vehicle and it is unavailable for s	some reaso	on, how w	ould you g	o to work	?: (tick only one))
drive another vehicle from my household share ride with an	other fami	ily member	(as passen	lger)□	public transport	(bus or
train)□ share a ride in colleague's vehicle□ normal paid pri	vate transp	ort (auto /	taxi / share	auto□	app-based paid	private
transport (ola/ uber/ meru etc.) □ other (please specify) □						
Part E: Your comments about various means of travel to wor	k(tick onl	v for mode	s which ar	e available	e to vou)	
1. Rate the overall travel experience from your home to work						
Mark your ratings as - Very poor (VP) / Poor (P) / satisfactory (S				.0		
		/		D	Ann based a	
Two-wheeler Car Bus Train Auto	Snai	re auto	Compa	ny Bus	App-based s	ervices
2. For your trip from home to work what is the level of: (mar	k your rati	ings as Lov	v - L, Medi	ium - M, H	igh – H)	
Particulars	2w	Car	Bus	Auto	Share auto	Bicycle
a. Pollution faced (dust, noise, vehicular emissions and						
smoke) while driving and riding a						
b. Accident risk and vulnerability in a						
c. Stress, anxiety or tension while driving/riding in a						
3. For your trip from home to work, what is the level of: (m	ark your r	atings as L	ow I Me	dium M	High H tick of	h for
modes available to you in the un-shaded spaces only).	ark your ra	atiligs as D	ow - L, Mc	uiuiii - M,	nigii - n, uck or	uyjor
· · · · · · · · · · · · · · · · · · ·	T •		01		• / • • •	•
Particulars Bus	Train	Auto	Share	auto Ta	xi / App-based	service
a. Convenience of travelling to many places and at		NA				
different times in						
b. Personal security (theft, crime etc.) in						
c. Comfort in		NA				
d. Reliability of reaching on time in a						
4. Which of the following factors affects your means of travel t	o work? (tick all the	t apply). A	lso mentio	on the first, seco	nd and
third most important factors.			11.0/		,,	
a. Mobility and convenience \Box b. Privacy and personal sp						
e. Pollution□ f. Accident risk and vulner	ace□	c. Co	mfort□	d. Pers	onal security□	
		c. Co	mfort□	d. Pers	onal security□	
Most imp. factor 2nd most imp. factor	ability□	c. Co			2-	
Most imp. factor 2nd most imp. factor	ability□	c. Co		d. Pers st imp. fac	2-	
Part F 1: About Bus facilities near your home and work place	ability□ •		3rd mo	st imp. fac	2-	
Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your wo	ability□ e ork place?	? Yes / N	3rd mo	st imp. fac Know,	tor	
Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your we b. if there is no direct bus, how many transfers (between diffe	ability□ e ork place?	? Yes / N	3rd mo	st imp. fac Know,	tor	place
 Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your we b. if there is no direct bus, how many transfers (between different from home: 1/2/3+/DK 	ability□ e ork place? erent vehic	? Yes / N cles) do yo	3rd mo	st imp. fac Know,	tor	blace
 Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your we b. if there is no direct bus, how many transfers (between different from home: 1 / 2 / 3+ / DK 2. What is the frequency of bus services from near home to your bus services from near home to your	ability□ e ork place? erent vehic	? Yes / N cles) do yo place, onc	3rd mo o / Don't l u have to p ce every?	st imp. fac Know, make to re	tor	blace
 Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your we b. if there is no direct bus, how many transfers (between different home: 1 / 2 / 3+ / DK 2. What is the frequency of bus services from near home to y 5 min 10 min 15 min 20 min 20-30 min 30 min 	ability□ e ork place? erent vehic our work in -1 hour	? Yes / N cles) do yo place, ono □ Ot	3rd mo o / Don't] u have to p ce every? her	st imp. fac Know, make to re DK□	tor	place
 Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your we b. if there is no direct bus, how many transfers (between different from home: 1 / 2 / 3+ / DK 2. What is the frequency of bus services from near home to your bus services from near home to your	ability□ e ork place? erent vehic our work in -1 hour	? Yes / N cles) do yo place, ono □ Ot	3rd mo o / Don't] u have to p ce every? her	st imp. fac Know, make to re DK□	tor	blace
 Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your we b. if there is no direct bus, how many transfers (between different home: 1 / 2 / 3+ / DK 2. What is the frequency of bus services from near home to y 5 min 10 min 15 min 20 min 20-30 min 30 min 	ability ork place? erent vehic our work in -1 hour prefer for	Yes / N cles) do yo place, ond □ Ot r your jou	3rd mo o / Don't] u have to p the every? her rney to wo	st imp. fac Know, make to re DK□ ork? (tick a	tor each your workp ill that apply) :	
 Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your we b. if there is no direct bus, how many transfers (between different home: 1/2/3+/DK 2. What is the frequency of bus services from near home to y 5 min 10 min 15 min 20 min 20-30 min 30 m 2. If you need to take a bus, which type of bus service do you 	ability ork place? erent vehic our work in -1 hour prefer for xe bus (Bl	Pres / N cles) do yo place, ond □ Ot r your jou ue board o	3rd mo o / Don't] u have to p ee every? her rney to wo r Green boo	st imp. fac Know, make to re DK□ ork? (tick a ard with au	tor each your workp ill that apply) :	
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Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your we b. if there is no direct bus, how many transfers (between different from home: 1/2/3+/DK 2. What is the frequency of bus services from near home to your 5 min10 min15 min20 min20-30 min30 min 2. If you need to take a bus, which type of bus service do you Ordinary bus (White board/Black letters) Express or Delu Volvo A/C bus First bus available to my destination [3. Is there a mini-bus/small bus service available First bus service available	ability ork place? erent vehic rour work in -1 hour prefer for xe bus (Bl	P Yes / N cles) do yo place, ond □ Ot r your jou ue board o No Partic	3rd mo o / Don't] u have to p ee every? her 1 rney to wo r Green bo ular prefere	st imp. fac Know, make to re DK□ ork? (tick a ard with au	tor each your workp all that apply) : itomatic doors) [
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 Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your we be if there is no direct bus, how many transfers (between different from home: 1/2/3+/DK 2. What is the frequency of bus services from near home to y 5 min 10 min 15 min 20 min 20-30 min 30 min 30 min 2. If you need to take a bus, which type of bus service do you Ordinary bus (White board/Black letters) □ Express or Delu Volvo A/C bus□ First bus available to my destination [3. Is there a mini-bus/small bus service available a. Near home - Yes / No c. If yes, frequency is every - 5 min 10 min 15 min 20 	ability ork place? erent vehic rour work in -1 hour prefer for xe bus (Bl b. Near d. If ye	P Yes / N cles) do yo place, ond □ Ot r your jou ue board o No Partic r work – Y es, frequen	3rd mo o / Don't] u have to p ee every? her 1 rney to wo r Green bo ular prefere /es / No cy is every	st imp. fac Know, make to re DK DK DK crk? (tick c ard with au ence	each your workg all that apply) : ttomatic doors) [DK[] 10 min[] 15 m]
 Part F 1: About Bus facilities near your home and work place Ia.Is there a direct bus to go from near your home to your we b. if there is no direct bus, how many transfers (between different from home: 1/2/3+/DK 2. What is the frequency of bus services from near home to y 5 min 10 min 15 min 20 min 20-30 min 30 min 2. If you need to take a bus, which type of bus service do you Ordinary bus (White board/Black letters) □ Express or Delu Volvo A/C bus □ First bus available to my destination [3. Is there a mini-bus/small bus service available a. Near home - Yes / No c. If yes, frequency is every - 5 min 10 min 15 min 20 min 20-30 min 30 min -1 hour Other □ DK □ 	ability ork place? erent vehic rour work in -1 hour prefer for xe bus (Bl b. Near d. If ye	P Yes / N cles) do yo place, ond □ Ot r your jou ue board o No Partic r work – Y es, frequen	3rd mo o / Don't] u have to p ee every? her 1 rney to wo r Green bo ular prefere /es / No cy is every	st imp. fac Know, make to re DK DK DK crk? (tick c ard with au ence	tor each your workp all that apply) : tomatic doors) [DK[]]
 Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your we be if there is no direct bus, how many transfers (between different from home: 1/2/3+/DK 2. What is the frequency of bus services from near home to y 5 min 10 min 15 min 20 min 20-30 min 30 min 30 min 2. If you need to take a bus, which type of bus service do you Ordinary bus (White board/Black letters) □ Express or Delu Volvo A/C bus□ First bus available to my destination [3. Is there a mini-bus/small bus service available a. Near home - Yes / No c. If yes, frequency is every - 5 min 10 min 15 min 20 	ability ork place? erent vehic rour work in -1 hour prefer for xe bus (Bl b. Near d. If ye	P Yes / N cles) do yo place, ond □ Ot r your jou ue board o No Partic r work – Y es, frequen	3rd mo o / Don't] u have to p ee every? her 1 rney to wo r Green bo ular prefere /es / No cy is every	st imp. fac Know, make to re DK DK DK crk? (tick c ard with au ence	each your workg all that apply) : ttomatic doors) [DK[] 10 min[] 15 m]
Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your work b. if there is no direct bus, how many transfers (between differm home: 1/2 / 3+ / DK 2. What is the frequency of bus services from near home to y 5 min 10 min 15 min 20 min 20-30 min 30 m 2. If you need to take a bus, which type of bus service do you Ordinary bus (White board/Black letters) □ Express or Delu Volvo A/C bus □ First bus available to my destination [] 3. Is there a mini-bus/small bus service available a. Near home - Yes / No c. If yes, frequency is every - 5 min 10 min 15 min 20 min 20-30 min 30 min -1 hour 0 ther □ DK □	ability ork place? erent vehic rour work in -1 hour prefer for xe bus (Bl b. Near d. If ye min 2	Pres / N cles) do yo place, ond place, ond of ryour jou ue board o No Partic rwork – Y es, frequen 20-30 min[3rd mo o / Don't] u have to p ee every? her rney to wo r Green bou ular prefere //es / No cy is every 30 min -	st imp. fac Know, make to re DK DK DK crk? (tick c ard with au ence	each your workg all that apply) : ttomatic doors) [DK[] 10 min[] 15 m]
Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your we b. if there is no direct bus, how many transfers (between differm home: 1/2 / 3+ / DK 2. What is the frequency of bus services from near home to y 5 min_ 10 min_ 15 min_ 20 min_ 20-30 min_ 30 m 2. If you need to take a bus, which type of bus service do you Ordinary bus (White board/Black letters) Express or Delu Volvo A/C bus First bus available to my destination [3. Is there a mini-bus/small bus service available a. Near home - Yes / No c. If yes, frequency is every - 5 min_ 10 min_ 15 min_ 20 min_ 20-30 min_ 30 min -1 hour_ Other	ability ork place? erent vehic rour work in -1 hour prefer for xe bus (Bl b. Near d. If ye min 2 lable? : Y	P Yes / N cles) do yo place, ond place, ond r your jou ue board o No Partic r work – Y es, frequen 20-30 min[fes / No / D	3rd mo o / Don't] u have to p ee every? her rney to wo r Green boo ular prefere ces / No cy is every 30 min -	st imp. fac Know, make to re DK DK DK crk? (tick c ard with au ence	each your workg all that apply) : ttomatic doors) [DK[] 10 min[] 15 m]
 Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your we be if there is no direct bus, how many transfers (between different from home: 1/2 / 3+ / DK What is the frequency of bus services from near home to y 5 min 10 min 15 min 20 min 20-30 min 30 m If you need to take a bus, which type of bus service do you 0rdinary bus (White board/Black letters) Express or Delu Volvo A/C bus First bus available to my destination 10 min 15 min 20 min 10 min 15 min 20 min 20.30 min 20 min 30 min 20 min 20 min 30 min 20 min 20 min 30 min 30 min 20 min 30 mi	ability ork place? erent vehic rour work in -1 hour prefer for xe bus (Bl b. Near d. If ye min 2 lable? : Y e of next b	P Yes / N cles) do yo place, ond place, ond r your jou ue board o No Partic r work – Y es, frequen 20-30 min[fes / No / D pous : Yes /	3rd mo o / Don't] u have to p ee every? her p rney to wo r Green bo ular prefere //es / No cy is every 30 min - pK No / DK	st imp. fac Know, make to re DK DK ork? (tick c ard with au ence 7 - 5 min 1 hour O	each your workg]
Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your we b. if there is no direct bus, how many transfers (between different from home: 1/2 / 3+ / DK 2. What is the frequency of bus services from near home to your 5 min 10 min 15 min 20 min 20-30 min 30 m 2. If you need to take a bus, which type of bus service do you Ordinary bus (White board/Black letters) □ Express or Delu Volvo A/C bus□ First bus available to my destination 10 3. Is there a mini-bus/small bus service available a. a. Near home - Yes / No c. c. If yes, frequency is every - 5 min 10 min 15 min 20 min 20-30 min 30 min -1 hour 0ther □ DK□ 4. Rate the following journey characteristics of bus a. a. Information on bus route numbers and timings easily avail b. b. Availability of accurate information about the arrival time 5. 5. Rate your experiences in bus stops with regards to the follow b.	ability ork place? erent vehic rour work in -1 hour prefer for xe bus (Bl b. Near d. If ye min 2 lable? : Y e of next b	P Yes / N cles) do yo place, ond place, ond r your jou ue board o No Partic r work – Y es, frequen 20-30 min[fes / No / D ous : Yes / fors on the	3rd mo o / Don't] u have to p ee every? her 1 rney to wo r Green bo ular prefere 7es / No cy is every 30 min - 0K No / DK scales me	st imp. fac Know, make to re DK DK Ork? (tick c ard with au ence 7 - 5 min 1 hour 0 C	each your workg all that apply) : tomatic doors) [DK[] 10 min[] 15 m Dther [] DK[] ainst them] iin⊡ 20
 Part F 1: About Bus facilities near your home and work place 1a.Is there a direct bus to go from near your home to your we be if there is no direct bus, how many transfers (between different from home: 1/2 / 3+ / DK What is the frequency of bus services from near home to y 5 min 10 min 15 min 20 min 20-30 min 30 m If you need to take a bus, which type of bus service do you 0rdinary bus (White board/Black letters) Express or Delu Volvo A/C bus First bus available to my destination 10 min 15 min 20 min 10 min 15 min 20 min 20.30 min 20 min 30 min 20 min 20 min 30 min 20 min 20 min 30 min 30 min 20 min 30 min 30 min 20 min 30 mi	ability ork place? erent vehic rour work in -1 hour prefer for xe bus (Bl b. Near d. If ye min 2 lable? : Y e of next b wing fact	Yes / No cles) do yo place, ond or r your jou ue board o No Partic r work – Y es, frequen 20-30 min[//es / No / D ous : Yes / ors on the V	3rd mo o / Don't] u have to p ee every? her1 rney to wo r Green bo- ular prefere 7es / No cy is every 30 min - WK No / DK scales me ery poor/ p	st imp. fac Know, make to re DK DK DK ork? (tick c ard with au ence 7 - 5 min 1 hour 0 C ntioned ag oor/ OK/ C	each your workg] iin⊡ 20

Part F 2: Abou	t Train facilities										
	llowing journey characte	ristics of tra	un								
	ering and leaving the ter			, foot-ove	r bridge	etc.) is:	: Easy⊡ Di	fficult□			
b. Availability	y of other means of travel	in case trai	in is very late (or train is	cancelle	d) : Ye					
2. Regarding	facilities available in and	around the	railway statio	n (<i>Fill onl</i>	y if train	is	Rail	way station			
available to Applicable (A	go to work from home. Aı NA))	iswer by say	ing Yes (Y), No	(N), DK a	a nd Not		Near Home	Nea	r Work		
a. Parking fac	cility is good (adequate sp	acing, vehic	cle safety and r	easonable	e fare)	-	/ N / DK / NA	Y / N / I	DK / NA		
	k-up or drop-off passeng						/ N / DK / NA	Y / N / I	DK / NA		
condition	uch as toilets, water, refi		-			ble Y	/ N / DK / NA	Y/N/I	OK / NA		
station	nters like shops, restaura		alkable distan	ce from ra	ilway	Y	/ N / DK / NA	Y/N/I	OK / NA		
	tt Both Bus & Train facil ost: Don't have pass/Rs		h/quarter b. T	rain nass	cost: Dor	n't have	nass/Rs /da	ay/month/qu	arter		
	llowing journey characte					n	Bus (Easy- E/Difficult – D)	Train	(Easy-E/ cult –D)		
a. Ease of buy	ing ticket in (due to que	ie, hassle)					E/D		E/D		
•	ting in (climbing) and get	, ,	rom a bus or t	rain (due	to step		E/D	I	E/D		
	king transfers (from bus-	bus or bus-t	train or train-t	ous or trai	in-train)		E/D	I	E/D		
	afety of walking and cros						E/D	I	E/D		
	ecting modes are availabl			-			Yes / No	Ye	s / No		
3. Rate your e	experiences in bus and tra	ain with reg	ards to the foll	owing fac	tors on t	he scal	es mentioned a	gainst them	I		
			Bus					ain			
a. Crowding l			seat / comfortal standing / jam j		g /		ured seat / comfortable standing / vded standing / jam packed				
	tion (in min) that you in your journey (mins) cludes what)						10 - 20 / 20 - 3 DK	0/ 30 - 45/ 4	5 - 60/		
	mfort inside vehicle	Very poo	or/ poor/ OK/ G	ood/Verv	good	Verv	poor/ poor/ OK	/ Good/ Ver	v good		
	ulation, sweating)	,,,	1	oou verj	500 u	, erj	pool, pool, old	0000 .01) 800 u		
	t Taxi, Auto & Share Au	tos services	•								
	e distance?:	<0.25 0.	Near Home (km)					Near Workplace (km) 5 0.25-0.5 0.5-1 >1 DK			
	e nearby auto stand") to stand (if available)	<u><0.25 0.</u>	<u>25-0.5 0.5-1</u>	>1		<0.25		<u>5-1 >1</u>			
	are auto stop (if										
available)	eedback regarding your	travel exper		to and she							
2. Give your I	Auto	travel exper	tence using au	Share aut			app-based tra	vel taxi or aı	ito services		
How frequently do	Many times a week $(3+)$ week $(1-2)$ few times a m	onth□ (<3	Many times a week $(3+)$ \square Few times a week $(1-2)$ \square few times a month \square (<3 per				Many times a week (3+) Few times				
you use	per month) rarely or nev		month) [] rare	•	101/)	/ 11: -1					
I use it mostly for a distance of	Low (<3km)/ Medium (3 High (>11 km)	. ,.	Low (<3km)/	(>11 km)	,	Km) / High Low (<3km)/ M High			- 10Km)/		
For which of the following activities you use :	Reach bus stop or railway s / school / Shopping /Social Recreational / Return Home	/Religious/	Reach bus stop school / Shopp Recreational /	ing /Social Return Hor	/Religious ne / Others	s/ S	Reach bus stop or railway station/ work / school / Shopping /Social /Religious/ Recreational / Return Home / Others				
Fare for a 6 – 10 Km trip in is	As per meter / 25% more / 2 75% more / Twice meter / V randomly by driver / DK		Rs 10 / Rs 10 - 15 / Rs 16 - 20 / Rs 21 - 3 Others Rs			21 - 30/					
The usual waiting time for is	5 or less min 10 min 112 20 min 20 – 30 min 3 others		5 or less min 10 min 15 min 20 min 20 - 30 min 30 -1 hr others				5 or less min 10 min 15 min 20 min 20 – 30 min 30 -1 hr others				
Service declined (not available or turned down by driver for cost) / month	Frequently (>3 times/r sometimes (1-2 times/ rarely or never (<1/m	month)	sometin	tly (>3 time nes (1-2 tim r never (<1	es/month))	sometime				

4. Are you 5. If you a	aware of app	-based trav	el services s	such as ola, u	ber et	c.? Yes/No				
	,	now about th	ne app-based	travel service	es fron	n: Friends 🗆 Fami	ly □ Adve	rtisemer	nts 🗆 Others	
5b. How n	nany times hav	e you used t	he following	travel service		ne last 3 months				-
	ed taxi: : 0□ <								$6-10 \ge 10 \text{ times}$	
c. If you at	re aware and ha	ave not used	it, did you t	hink about (or	consi	der) using the app	-based trav	el servio	ces? Yes / No	
	ave used it,			aha 🗆 ala aut			: fan anna 5	Other		
						er □ Meru □ Tax u prefer the most?		Others	S []	
	ola auto 🗆 ub									
						☐ Hatchback □ 6	seater (suv) □ Otł	ners None	
Part H: Fo	ew final quest	ions about y	ou and you	r household	(HH)					
1. Age	<u> </u>		· ·		· /	your spouse work	? Yes / No	4. Ge	ender: M / F	
18-25 🗆	5. Is you	r home	6. Do y	ou stay in	7.No	of persons in you	r HH who	8. Ed	lucation Completed	
26-35□	l í	Owned □	1 BHK or	smaller	Li	ive in your house?		Prim	ary or Middle school	
20000			1 2111 01			Are earning male		1	any of thirdale solicor	
36-45	1	Rented 🗌	2 BH	BHK members?			High school			
46-54□	Company Pr	ovidad 🗖	3 BH	W D	A	re earning female members?		Col	llege Undergraduate	_
	Company FI	_								
55-60		Other 🗌	4 or more	e BHK 🛛		re 5yr old or less.?		Pos	t-Graduate or Higher	
60+□					Are 1	n the age of 6-17?				
	Relationship			11. type of		12. Which of th			13. Total Family	7
	nd of HH	10.		if full-tin		available with			Income (Rs.)	
Hea Wife		Full-Tin Part-Tin		Professional clerical		Market	Home	Work	<rs. 4000="" month<br="">4001-1000</rs.>	
Chil		Self-Emple	oved /	Teacher		Shops			10001-20000	
Grande		Own-Bus	• • • •	Salesperson		Hotel			20001-50000	
Spouse of		Daily Wa	ages 🗆	Technician		Cinema			50001-80000	
Othe		Other		Other		Hospital			>80000	
14. Your r	monthly trans	port expens	es: ≤ Rs. 100	00 1001-300	01 🗆 30	$001-7000 \square \ge 700$	l□ Can't S	ay 🗆	Can't Say	
15. Are yo	ou paying Veh	icle loan EN	11? : Yes /N	0						
						001-3001 3001				
						ctor middle level	□ Govt. se	ctor low	er level 🗆 pvt. sector	
<u> </u>	el 🗆 pvt. sector									
	ernet available have (or carry)					ie 🗌				
D. Do you	nave (or carry)	a.rtu L	aptop⊡ Sin		Jiet□					
19. Do you	u have a physi	cal disabilit	y that prev	ents you fron	n? ⊡r	iding bus □using	train ⊡wal	king mo	ore than 200 m	
20 Which	of the follow	ina aativitia	e did vou n	orform rogul	orby/fr	equantly using y	our mobil	nhono	or lanton while trav	olina
	wice per week								or laptop while trave rnet online shopping	
	guidance						DICT	se me		-5 -
21a. Five y	vears back, wi	here was vo	nr							
•	years back, wi ated: Same pla	•		Worki	olace l	ocated?:Same pla	ce/		/ Did not wor	ĸ
Home loca	ated: Same pla	.ce/				ocated?:Same pla				ſk
Home loca	ated: Same pla ars back, how	ce/ (mode of tr	avel) did yo	ou use to go fi	rom h	ome to work? 🗆 T	wo-wheele	er □Ca	ar □MTC bus	ŕk
Home loca	ated: Same pla	ce/ (mode of tr	avel) did yo	ou use to go fi	rom h	ome to work? 🗆 T	wo-wheele	er □Ca		rk

Part I: Attitudinal and subjective questions

1. Do you agree or disagree the following statements related to your driving behavior

a. I enjoy the freedom and control I get from driving a personal vehicle - Agree / Disagree

b. I do not wish to drive as I prefer to use my travel time more productively (by calling, working or work-related activities, email, chat, browse etc.) – Agree / Disagree

c. My commute between work and home is a buffer time for me to relax, unwind and destress (by listening to music, watching

movies, play games, or just relax). Agree / Disagreed. My travel to work is tiring and stressful - Agree / Disagree

e. Driving a personal vehicle helps me to spend more time with my friends and family - Agree / Disagree f. I like Walking or bicycling as they are good to have a physically active lifestyle - Agree / Disagree

I have walking of blogching as they are good to have a physically active message - Agree / Dis
 Do you agree or disagree the following statements related to externalities and policies

a. Getting stuck in traffic does not bother me – Agree / Disagree

b. I try to make travel decisions (means of travel, route, timing of travel) that help

in reducing vehicular pollution and congestion - Agree / Disagree

c. Separate lanes should be allotted for high occupancy vehicles - Agree / Disagree

d. I find it boring or inconvenient to walk for more than short distances - Agree / Disagree

e. I am willing to use more alternative means of travel (electric vehicles, public transport etc.) to save energy - Agree / Disagree

3. Do you agree or disagree the following statements related to route/time/cost optimization

a. I always try to pick the best among available travel options (means of travel or route) to save time or cost - Agree / Disagree

b. I try to stick to a routine while making travel decisions such as means of travel or route - Agree / Disagree

c. I would not change my mode of travel unless other modes are improved considerably - Agree / Disagree

d. I am flexible in selecting travel decisions so long as I reach my destination within reasonable time - Agree / Disagree

4. Do you agree or disagree the following statements regarding social aspects

a. Ever since I was young, it has been my aspiration or desire to travel in my own vehicle - Agree / Disagree

b. Most people in my social circle (friends, colleagues, relatives) have a car - Agree / Disagree

c. I do not use public transport as I do not know/speak/read the local language - Agree / Disagree

d. I like travelling alone: yes/ no / somewhat / not sure

e. I am uncomfortable being around people I don't know while travelling - Agree / Disagree

f. Riding Bus or train does not suit my status - Agree / Disagree

Part J : Questions related to policies to improve public transport

Government is considering various options to improve public transport. Which of these will be critical to you or useful to you?
 i) For improving accessibility to reach bus stops and railway stations and also access to buses and trains,
 a. □Share autos/ feeder bus services to reach railway stations and bus stops
 b. □ Fully functional elevators, travelators (moving walkways) and escalators to access
 e. Suppose only one of these can be

railway stations	implemented, which one would you
c. □Reduce walking distance between bus stops and railway stations	prefer?: a / b / c / d
d. □Reduced boarding height and footboards of buses and trains	•
f. If this option is implemented, your frequency of using	
Bus: 0□ 1□ 2□ 3□ 4 or more times/week□ Train: 0□ 1□ 2□ 3□ 4 or more	re times/week
2. For improving buses and trains operations and services,	
 a. □ Direct bus from near home to your work place b. □ Higher frequency of buses and trains c. □ introduce more A/c buses and A/c coaches in trains along your route to work d. □ Announcement of next stop in bus and train 	e. Suppose only one of these can be implemented, which one would you prefer?: a / b / c / d
f. If this option is implemented, your frequency of using	
Bus: $0 \square $	re times/week
3. For improving the facilities inside bus stops and railway terminals,	
 a. □Free Wi-Fi facility and cell phone charging points at all railway stations (including Metro) and bus stops and also inside the buses and trains. b. □Surveillance cameras and police patrol for better security c. □Closed and safer parking facilities at all railway stations d. □Providing mobile app for estimated time of bus and train arrival information and buy tickets via apps 	e. Suppose only one of these can be implemented, which one would you prefer?: a / b / c / d
f. If this option is implemented, your frequency of using	

Bus: 0 1 2 3 4 or more times/week Train: 0 1 2 3 4 or more times/week

Annexure 9a: Format for worker's stated preference questionnaire on

Metro

			naire on Metro			
Metro has been introdu stops and route details	ced in Chennai with the f	ollowing cl	aracteristics, als	o show the map	or metro	mentioning the
CHEINAI METRO RAIL LIMITED	Cost	Fre	quency	Service du	ration	Parking
	Minimum fare of ho		utes during peak inutes more eak hours	On Weekdays: 6:00 am – 10:0 On Weekends: 8:00 am – 10:0	00 pm	2w - Rs 5 / 3hr Car - Rs 10 / 3hr
	u had make a trip related in is operating under the f			m from your ho	ome and is	accessible via the
Cost	Frequency		Feeder bus / mi	ni-bus service	Parking	g at Metro station
Base fare :Rs 5 / Km Seasonal ticket : 20 % discount	Once every <u>10</u> minute peak hour and 5 minutes non-peak hours		No feed	er bus	0.000	v - Rs 5 / 3hr r - Rs 10 / 3hr
2w □ Car □ b. If you had ticked Me	es of travel, which all wou Bus Train Auto Sh tro, under this scenario w tro, under this scenario w	are auto/ma ill you buy	xi cab □ compan season tickets?	y bus □ Metro [Y / N		
Scenario 2. Suppose yo operating under the fol	u have to travel to a place lowing characteristics,	with your	family which is 1	5 Km from you	r home, if	the Metro train i
Cost	Frequency		Feeder bus / mi	ni-bus service	Parking	g at Metro station
Base fare :Rs 3 / Km Seasonal ticket : 10 % discount	Once every <u>10</u> minute peak hour and 5 minutes non-peak hours		min-bus with15 r	1 2		v - Rs 5 / 3hr r - Rs 10 / 3hr
2w □ Ĉar □ b. If you had ticked Me c. If you had ticked Me Scenario 3. Suppose yo	es of travel, which all wou Bus Train Auto Sh tro, under this scenario w tro, under this scenario w u have to travel to a mall y accessible via Metro and is	are auto/ma ill you buy ill you use i with your f	amily and later t	y bus □ Metro [Y / N N he same day yo	□ walk □ t	picycle □
Cost	Frequency		Feeder bus / mi			g at Metro statior
Base fare : Rs 5 / Km Seasonal ticket : 20 % discount	Once every <u>10</u> minute peak hour and 5 minutes non-peak hours	es during more for	share auto with15 r	frequency of ninutes		v - Rs 5 / 3hr r - Rs 10 / 3hr
2w □ Ćar □ b. If you had ticked Me	les of travel, which all wou Bus 🗆 Train 🗆 Auto 🗆 Sh tro, under this scenario w tro, under this scenario wi	are auto/ma ill you buy	xi cab □ compan season tickets?	y bus □ Metro [Y / N		
Scenario 4. Suppose yo home, if the Metro trai	u have to travel to n is operating under the fo	ollowing ch	(your aracteristics,	frequent destin	ation <u>1</u> fro	m table) from yo
Cost	Frequency		Feeder bus / mi	ni-bus service	Parking	g at Metro station
Base fare : Rs 3 / Km Seasonal ticket : 10 % discount	Once every <u>10</u> minute peak hour and 5 minutes non-peak hours	more for	mini-bus with 15 r	ninutes	Ca	v - Rs 5 / 3hr r - Rs 10 / 3hr
2w □ Čar □ b. If you had ticked Me	es of travel, which all wou Bus Train Auto Sh tro, under this scenario w tro, under this scenario w	are auto/ma ill you buy	xi cab □ compan season tickets?	y bus □ Metro [Y / N		

Annexure 9b: Format for worker's stated preference questionnaire on

Congestion and personal vehicle

	the future, will you use it regularly to go to olic transport paid private transport Non-r	notorized transport Don't Know
2. Would you use your private vehicle if: (please tick)	If ticked, would you 1. Travel in your personal vehicle during non-peak periods 2. Split the fee by giving rides for your friends/family 3. Will use a driver and send the vehicle back home 4. Shift to a 2w (if you are using 4w) 5. Will park my vehicle at a distance say (0.5-1.0 Km) at a nearby street and walk to the office 6. Will appoint a driver so that you can send the vehicle back home 7. Won't change anything	If not ticked would you 1. Split the fee by riding in m friend's/family's vehicle 2. Avoid the fee by using a bus t company bus 3. Avoid the fee by using a bus t go to work 4. Avoid the fee by using a train t go to work 5. Avoid the fee by using app-base taxi/auto to work 6. Avoid the fee by using regula auto to work
Scenario 1. Travel time for work is increased by minutes for personal vehicle during peak hours		
Scenario 2. Congestion charges are levied for people riding 2w and 4w during peak hour		
Scenario 3. Parking charges of for 2w and for 4w is collected at your workplace		
 time or day. Which of the following is you a. Flexible work timings (work 4 days and 4 5 days and 40 hrs) b. Flexible working days (Can choose to work a week) c. Provision of work from home upto 10 ho If preferred option is implemented (and f 	40 hrs instead of d. Additional pay for arriv before the usual office wo ork on any 5 days e. Rescheduling your work □ hour later than the usual w	ing atleast 1 hour and upto 2 hours rk hours [k timings by one hour earlier or one vork start time [vou choose in this situation:

company bus and multi modal travel

	Ouestion	naire on company	bus and mult	i-modal	travel	
Scenario 1. It has b employees.	een planned that com	- ·				able for all company
Monthly far	re Bus an	rrival time at your stop	Distance of the stop from home		op	Waiting time at the stop
Rs. <u>1200</u>		<u>6:30</u> am	<u>250</u> m			us will arrive no later than <u>5</u> min from usual arrival time
	ld you choose in this s us □ Train □ Auto □					The same as they are now: Others
	e the public transit se services, what would				rk by impr	oving the feeder bus (mini-
	your home/work to	Cost of the fee			Waiting t	ime for the feeder bus is
	der bus service		rate)			
	nutes		<u>5</u>			nore than <u>3</u> minutes
	ld you choose in this s us □ Train □ Auto □ 3					are same as they are now: Others
b. If bus/train is tic	ked, Will you use the	feeder bus service?	Y / N,			share auto / walk / others
home which is <u>15</u> k public trnspt.			se in this situat	ion. Foll	owing are t	ad to go to your friends' he characteristics of the /pe of parking facility
2w : Rs 5 car: Rs 10		<u>5</u> minutes		8		Open
$2w \square Car \square Bus \square$	Train 🗆 Auto 🗆 Share	e auto/maxi cab 🗆 cor	npany bus 🗆 🛚 w	alk 🗆 bi	cycle 🗆 Oth	are same as they are now: ers
b. If bus/train is tick	ed, how would you rea	ch the public transpor	t stop : 2w / car	/ bicycle	/ auto / sha	re auto / walk / others
	e you had to make an two public transit opt					ous service is unavailable,
	Bus and Bus service				s and Trair	
Ticket purchase	Walking and waiting time for next bus/train at transfer	Facilities at transfer	Ticket purchase	waitin	ting and g time at Insfer	Facilities at transfer
Same ticket for both bus and train	Walking time is: <u>7</u>	Same as now	Book via mobile app	Walkin	g time is: <u>0</u> g time is: <u>10</u>	Integrated station and bus stop with additional parking and shopping
$2w \square Car \square Bus \square$	Train 🗆 Auto 🗆 Share	e auto/maxi cab 🗆 cor	npany bus 🗆 🛚 w	valk 🗆 bio		are same as they are now: ers
	l bus or train, how we vice)/ bus-train service					

Annexure 9d: Format for worker's stated preference questionnaire on mobile app based auto and taxi services

_		Ouestion	aire on mobile apr	based taxi and aut	to services	
1. For you	ır last ap				have never travelled in	app-based service)
a. From :		To :			e: <2/2 - 5/5 - 10/10	
b. Departure time : am/pm Arrival time : am / pm Waiting time for the vehicle : minutes						
	c. Total cost of travel : Rs/Nil Cost for toll if any: Rs/NA Discount (if any) : Rs. $<50/50 - 100/100 - 200 /> 20$					
d. Type of vehicle : Auto \square Mini A/c \square Mini non A/c \square Sedan A/c \square Sedan non A/c \square Suv A/c \square Suv non A/c \square Others						
		rsonal vehicle for the				
i) parking c	cost :	Rs. / DK ii) P	Parking distance:	meter iii) Tim	e taken to park :	minutes
f. What rati	ing (stars)	did you give for the t	rip? 1 🗆 2 🗆 3 🗆 4 🗆] 5 🗆 Did not rate 🗆 D	on't Know □ Can't sa	ıy □
		imstances did you ma				
Offl. trip □]Had to m	ake multiple-stops⊡ I	Return home w/o perse	onal vehicle persona	age □ unplanned /with al vehicle not available	
				n app-based travel? Y	/es / No /NA	
b. If yes, fr		am/pm to		did you change		
c. Reason f	for chang	ing the time of your	trip : Cost 🗆 Traffic of	congestion 🗆 Driver u	navailability others	
4a. Have y	ou chang	ed the location or ma	de an unplanned ac	tivity stop after book	ing an app-based serv	vice? Yes / No
-	-	the reason for the abo	-	• •	· · ·	
		o weather 🗆 to pick-u		ilable □ other		
				not book for some rea		
		ou do? Changed my r			105/110,	
					🗆 bus 🗆 train 🗆 auto	□ share auto □ call
taxi 🗆 othe			vel, what mode and y			
		vould you make trips	on ann-based travel	service trips?		
	<u> </u>	<u> </u>		\Box Monthly (1-2) \Box Ra	rely 🗆	
				-2) \Box Monthly (1-2) \Box Ka		
				ith any of these service		
		referrals? Less than 2/		Tur any of these service	cs. 1 cs / no	
				d on your feedbacks?	Ves / No / NA / DK	
c. Has there been any improvements in the subsequent trips based on your feedbacks? Yes / No / NA / DK						
	_	What	will you consider un	der the following scen	arios	nich is 15 Km from
Scenario	Suppose	<i>What</i> e you and your family	<i>will you consider un</i> have to make a trip	<i>der the following scen</i> to a shopping mall (<i>arios</i> or cinema theatre) wl	
	Suppose your ho	<i>What</i> e you and your family	<i>will you consider un</i> have to make a trip	<i>der the following scen</i> to a shopping mall (arios	
Scenario 1	Suppose your ho do now.	What e you and your family me. There is an app-	<i>will you consider un</i> y have to make a trip based taxi/auto servi	der the following scen to a shopping mall (ce. Assume all other n	narios or cinema theatre) wl nodes (bus, train, auto o	etc.) operate as they
Scenario	Suppose your ho do now.	<i>What</i> e you and your family	y will you consider un y have to make a trip based taxi/auto servi Peak hour	<i>der the following scen</i> to a shopping mall (aarios or cinema theatre) wl nodes (bus, train, auto Waiting time until	
Scenario 1 Vehicle	Suppose your ho do now. type	What e you and your family me. There is an app- Cost of travel	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge	der the following scen to a shopping mall (ce. Assume all other n Promotional offers	or cinema theatre) when the street of the st	etc.) operate as they Security
Scenario 1	Suppose your ho do now. type	What e you and your family me. There is an app- Cost of travel <u>Rs 50.</u> first 5 Km	y will you consider un y have to make a trip based taxi/auto servi Peak hour	der the following scent to a shopping mall (cc. Assume all other n Promotional offers 25 % discount on	aarios or cinema theatre) wl nodes (bus, train, auto Waiting time until	etc.) operate as they
Scenario 1 Vehicle	Suppose your ho do now. type	What e you and your family me. There is an app- Cost of travel <u>Rs 50.</u> first 5 Km <u>Rs 8 p</u> er Km	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge	der the following scen to a shopping mall (ce. Assume all other n Promotional offers	or cinema theatre) when the street of the st	etc.) operate as they Security
Scenario 1 Vehicle <u>Auto</u> How would	Suppose your ho do now. type o d you male	What e you and your family me. There is an app- Cost of travel <u>Rs 50.</u> first 5 Km <u>Rs 8 per Km</u> te this trip?	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge <u>1.25</u> * Base fare	der the following scent to a shopping mall (cc. Assume all other n Promotional offers 25 % discount on this ride	arios or cinema theatre) wh nodes (bus, train, auto Waiting time until pick-up <u>5</u> minutes	etc.) operate as they Security <u>Normal</u>
Scenario 1 Vehicle <u>Auto</u> How would	Suppose your ho do now. type o d you male	What e you and your family me. There is an app- Cost of travel <u>Rs 50.</u> first 5 Km <u>Rs 8 per Km</u> te this trip?	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge <u>1.25</u> * Base fare	der the following scent to a shopping mall (cc. Assume all other n Promotional offers 25 % discount on this ride	or cinema theatre) when the street of the st	etc.) operate as they Security <u>Normal</u>
Scenario 1 Vehicle <u>Auto</u> Auto □ Sh	Suppose your ho do now. type o d you mal- are auto [What e you and your family me. There is an app- Cost of travel <u>Rs 50.</u> first 5 Km <u>Rs 8 per Km</u> te this trip? Call taxi _ app-base	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge <u>1.25</u> * Base fare d service □ hire a dri	der the following scent to a shopping mall (cc. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2v	arios or cinema theatre) wh nodes (bus, train, auto of Waiting time until pick-up <u>5</u> minutes v _ car _ bus _ Train	etc.) operate as they Security Normal
Scenario 1 Vehicle <u>Auto</u> How would Auto □ Sh: Scenario	Suppose your ho do now. type o d you make are auto [Suppose	What e you and your family me. There is an app- Cost of travel <u>Rs 50.</u> first 5 Km <u>Rs 8 per Km</u> te this trip? call taxi _ app-base e you had to go to the	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge <u>1.25</u> * Base fare d service □ hire a dri Airport to catch a fi	der the following scent to a shopping mall (cc. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2v light and you have he	arios or cinema theatre) wh nodes (bus, train, auto of Waiting time until pick-up <u>5</u> minutes v _ car _ bus _ Train cavy luggage. There is	etc.) operate as they Security <u>Normal</u>
Scenario 1 Vehicle <u>Auto</u> Auto _ Shi Scenario 2	Suppose your ho do now. type o d you mak are auto [Suppose taxi/aut	What e you and your family me. There is an app- Cost of travel Rs 50. first 5 Km Rs 8 per Km te this trip? call taxi □ app-base e you had to go to the o service. Assume all	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge <u>1.25</u> * Base fare d service □ hire a dri Airport to catch a fl other modes (bus, trai	der the following scent to a shopping mall (cc. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2v light and you have he in, auto etc.) operate as	arios or cinema theatre) wl nodes (bus, train, auto of Waiting time until pick-up 5_minutes v _ car _ bus _ Train ravy luggage. There is s they do now.	etc.) operate as they Security Normal an app-based
Scenario 1 Vehicle <u>Auto</u> How would Auto □ Sh: Scenario	Suppose your ho do now. type o d you mak are auto [Suppose taxi/aut	What e you and your family me. There is an app- Cost of travel <u>Rs 50.</u> first 5 Km <u>Rs 8 per Km</u> te this trip? call taxi _ app-base e you had to go to the	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge <u>1.25</u> * Base fare d service □ hire a dri Airport to catch a fl other modes (bus, trai Peak hour	der the following scent to a shopping mall (cc. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2v light and you have he	arios or cinema theatre) wl nodes (bus, train, auto of Waiting time until pick-up 5_minutes v □ car □ bus □ Train avy luggage. There is s they do now. Waiting time until	etc.) operate as they Security Normal
Scenario 1 Vehicle <u>Auto</u> Auto □ Shi Scenario 2 Vehicle	Suppose your ho do now. type o d you mak are auto [Suppose taxi/aut	What e you and your family me. There is an app- Cost of travel <u>Rs 50.</u> first 5 Km <u>Rs 8</u> per Km ce this trip? call taxi app-base e you had to go to the o service. Assume all Cost of travel	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge 1.25 * Base fare d service □ hire a dri Airport to catch a ff other modes (bus, trai Peak hour surcharge	der the following scent to a shopping mall (ce. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2v light and you have he in, auto etc.) operate as Promotional offers	arios or cinema theatre) wl nodes (bus, train, auto Waiting time until pick-up 5_minutes v □ car □ bus □ Train avy luggage. There is s they do now. Waiting time until pick-up	etc.) operate as they Security Normal an app-based Security
Scenario 1 Vehicle <u>Auto</u> <u>Auto</u> Scenario 2	Suppose your ho do now. type o d you mak are auto [Suppose taxi/aut	What e you and your family me. There is an app- Cost of travel Rs 50. first 5 Km Rs 8 per Km ce this trip? call taxi □ app-base e you had to go to the o service. Assume all Cost of travel Rs. 100 first 5 Km	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge <u>1.25</u> * Base fare d service □ hire a dri Airport to catch a fl other modes (bus, trai Peak hour	der the following scent to a shopping mall (ce. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2w light and you have here n, auto etc.) operate as Promotional offers 50 % discount on	arios or cinema theatre) wl nodes (bus, train, auto of Waiting time until pick-up 5_minutes v □ car □ bus □ Train avy luggage. There is s they do now. Waiting time until	etc.) operate as they Security Normal an app-based
Scenario 1 Vehicle <u>Auto</u> How would Auto □ Shi Scenario 2 Vehicle <u>Min</u>	Suppose your ho do now. type d you mala are auto [Suppose taxi/aut : type	What e you and your family me. There is an app- Cost of travel Rs 50. first 5 Km Rs 8 per Km ce this trip? call taxi □ app-base e you had to go to the o service. Assume all Cost of travel Rs. 100 first 5 Km Rs 8 per Km	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge 1.25 * Base fare d service □ hire a dri Airport to catch a ff other modes (bus, trai Peak hour surcharge	der the following scent to a shopping mall (ce. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2v light and you have he in, auto etc.) operate as Promotional offers	arios or cinema theatre) wl nodes (bus, train, auto Waiting time until pick-up 5_minutes v □ car □ bus □ Train avy luggage. There is s they do now. Waiting time until pick-up	etc.) operate as they Security Normal an app-based Security
Scenario 1 Vehicle <u>Auto</u> How would Auto □ Shi Scenario 2 Vehicle <u>Min</u> How would	Suppose your ho do now. type d you mala are auto [Suppose taxi/aut type ii d you mala	What e you and your family me. There is an app-l Cost of travel Rs 50. first 5 Km Rs 8 per Km ce this trip? call taxi □ app-base e you had to go to the o service. Assume all Cost of travel Rs. 100 first 5 Km Rs 8 per Km te this trip?	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge <u>1.25</u> * Base fare d service □ hire a dri Airport to catch a ff other modes (bus, trai Peak hour surcharge <u>1.5</u> * Base fare	der the following scent to a shopping mall (ce. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2w light and you have he n, auto etc.) operate as Promotional offers 50 % discount on this ride	arrios or cinema theatre) whodes (bus, train, auto of the second secon	etc.) operate as they Security Normal an app-based Security Normal
Scenario 1 Vehicle <u>Auto</u> How would Auto □ Shi Scenario 2 Vehicle <u>Min</u> How would	Suppose your ho do now. type d you mala are auto [Suppose taxi/aut type ii d you mala	What e you and your family me. There is an app-l Cost of travel Rs 50. first 5 Km Rs 8 per Km ce this trip? call taxi □ app-base e you had to go to the o service. Assume all Cost of travel Rs. 100 first 5 Km Rs 8 per Km te this trip?	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge <u>1.25</u> * Base fare d service □ hire a dri Airport to catch a ff other modes (bus, trai Peak hour surcharge <u>1.5</u> * Base fare	der the following scent to a shopping mall (ce. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2w light and you have here in, auto etc.) operate as Promotional offers 50 % discount on this ride	arios or cinema theatre) wl nodes (bus, train, auto Waiting time until pick-up 5_minutes v □ car □ bus □ Train avy luggage. There is s they do now. Waiting time until pick-up	etc.) operate as they Security Normal an app-based Security Normal
Scenario 1 Vehicle <u>Auto</u> How would Auto □ Shi Scenario 2 Vehicle <u>Min</u> How would	Suppose your ho do now. type d you mak are auto [Suppose taxi/aut e type ii d you mak are auto [What e you and your family me. There is an app-l Cost of travel Rs 50. first 5 Km Rs 8 per Km ce this trip? call taxi □ app-base e you had to go to the o service. Assume all Cost of travel Rs. 100 first 5 Km Rs 8 per Km te this trip? call taxi □ app-base	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge <u>1.25</u> * Base fare d service □ hire a dri Airport to catch a ff other modes (bus, trai Peak hour surcharge <u>1.5</u> * Base fare <u>1.5</u> * Base fare d service □ hire a dri	der the following scent to a shopping mall (ce. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2v light and you have hee in, auto etc.) operate as Promotional offers 50 % discount on this ride ver □ rent a car □ 2v ver □ rent a car □ 2v	varios or cinema theatre) whodes (bus, train, auto of the second secon	etc.) operate as they Security Normal an app-based Security Normal
Scenario 1 Vehicle <u>Auto</u> How would Auto □ Shi Scenario 2 Vehicle <u>Min</u> How would	Suppose your ho do now. type d you mak are auto [Suppose taxi/aut e type ii d you mak are auto [What e you and your family me. There is an app-l Cost of travel Rs 50. first 5 Km Rs 8 per Km ce this trip? call taxi □ app-base e you had to go to the o service. Assume all Cost of travel Rs. 100 first 5 Km Rs 8 per Km te this trip? call taxi □ app-base	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge <u>1.25</u> * Base fare d service □ hire a dri Airport to catch a ff other modes (bus, trai Peak hour surcharge <u>1.5</u> * Base fare <u>1.5</u> * Base fare d service □ hire a dri	der the following scent to a shopping mall (ce. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2v light and you have hee in, auto etc.) operate as Promotional offers 50 % discount on this ride ver □ rent a car □ 2v ver □ rent a car □ 2v	arrios or cinema theatre) whodes (bus, train, auto of the second secon	etc.) operate as they Security Normal an app-based Security Normal
Scenario 1 Vehicle Auto How would Auto □ Shi Scenario 2 Vehicle <u>Min</u> How would Auto □ Shi	Suppose your ho do now. type d you mak are auto [Suppose taxi/aut e type ii d you mak are auto [It is nov	What e you and your family me. There is an app-l Cost of travel Rs 50. first 5 Km Rs 8 per Km ce this trip? call taxi □ app-base e you had to go to the o service. Assume all Cost of travel Rs. 100 first 5 Km Rs 8 per Km ce this trip? call taxi □ app-base vertice. Assume all Cost of travel Rs. 100 first 5 Km call taxi □ app-base call taxi □ app-base verthis trip? call taxi □ app-base	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge <u>1.25</u> * Base fare d service □ hire a dri Peak hour surcharge <u>1.5</u> * Base fare d service □ hire a dri Peak hour surcharge <u>1.5</u> * Base fare	der the following scent to a shopping mall (ce. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2v light and you have he in, auto etc.) operate as Promotional offers 50 % discount on this ride ver □ rent a car □ 2v light and you have he in, auto etc.) operate as Promotional offers 50 % discount on this ride ver □ rent a car □ 2v nt related to your wo all other modes (bus, tr	varios or cinema theatre) whodes (bus, train, auto of the second secon	etc.) operate as they Security Normal an app-based Security Normal
Scenario 1 Vehicle <u>Auto</u> How would Auto □ Sha Scenario 2 Vehicle <u>Min</u> How would Auto □ Sha Scenario	Suppose your ho do now. type 0 d you makare auto [suppose taxi/aut type ii d you makare auto [tit is nov It is nov There is	What e you and your family me. There is an app-l Cost of travel Rs 50. first 5 Km Rs 8 per Km ce this trip? call taxi □ app-base e you had to go to the o service. Assume all Cost of travel Rs. 100 first 5 Km Rs 8 per Km ce this trip? call taxi □ app-base vertice. Assume all Cost of travel Rs. 100 first 5 Km call taxi □ app-base call taxi □ app-base verthis trip? call taxi □ app-base	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge <u>1.25</u> * Base fare d service □ hire a dri Peak hour surcharge <u>1.5</u> * Base fare d service □ hire a dri Peak hour surcharge <u>1.5</u> * Base fare	der the following scent to a shopping mall (ce. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2v light and you have he in, auto etc.) operate as Promotional offers 50 % discount on this ride ver □ rent a car □ 2v in this ride ver □ rent a car □ 2v	varios or cinema theatre) whodes (bus, train, auto of the second secon	etc.) operate as they Security Normal an app-based Security Normal
Scenario 1 Vehicle <u>Auto</u> <u>How would</u> Auto _ Shi Scenario 2 <u>Min</u> How would Auto _ Shi Scenario 3	Suppose your ho do now. type 0 d you makare auto [suppose taxi/aut type ii d you makare auto [tit is nov It is nov There is	What e you and your family me. There is an app-l Cost of travel Rs 50. first 5 Km Rs 8 per Km ce this trip? call taxi □ app-base e you had to go to the o service. Assume all Cost of travel Rs. 100 first 5 Km Rs 8 per Km ce this trip? call taxi □ app-base v9:00 first 5 Km ce this trip? call taxi □ app-base	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge <u>1.25</u> * Base fare d service □ hire a dri Airport to catch a fl other modes (bus, trai Peak hour surcharge <u>1.5</u> * Base fare d service □ hire a dri outher a dri but	der the following scent to a shopping mall (ce. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2v light and you have he in, auto etc.) operate as Promotional offers 50 % discount on this ride ver □ rent a car □ 2v light and you have he in, auto etc.) operate as Promotional offers 50 % discount on this ride ver □ rent a car □ 2v nt related to your wo all other modes (bus, tr	arios or cinema theatre) whodes (bus, train, auto of the second	etc.) operate as they Security Normal an app-based Security Normal Normal stepy do now.
Scenario 1 Vehicle <u>Auto</u> <u>How would</u> Auto _ Shi Scenario 2 <u>Min</u> How would Auto _ Shi Scenario 3	Suppose your ho do now. type o d you mal are auto [Suppose taxi/aut e type d you mal are auto [d you mal are aut	What e you and your family me. There is an app-l Cost of travel Rs 50. first 5 Km Rs 8 per Km ce this trip? call taxi □ app-base e you had to go to the o service. Assume all Cost of travel Rs. 100 first 5 Km Rs 8 per Km ce this trip? call taxi □ app-base v9:00 first 5 Km ce this trip? call taxi □ app-base	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge <u>1.25</u> * Base fare d service □ hire a dri r Airport to catch a fl other modes (bus, trai Peak hour surcharge <u>1.5</u> * Base fare d service □ hire a dri ou had to meet a clie uto service. Assume a Peak hour	der the following scent to a shopping mall (ce. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2v light and you have he in, auto etc.) operate as Promotional offers 50 % discount on this ride ver □ rent a car □ 2v light and you have he in, auto etc.) operate as Promotional offers 50 % discount on this ride ver □ rent a car □ 2v int related to your wo all other modes (bus, tr Promotional offers	arrios or cinema theatre) whodes (bus, train, auto of the second secon	etc.) operate as they Security Normal an app-based Security Normal Security Security Security sthey do now. Security
Scenario 1 Vehicle <u>Auto</u> <u>Auto</u> Scenario 2 Vehicle <u>Min</u> How would Auto □ Shi Scenario 3 Vehicle	Suppose your ho do now. type o d you mal are auto [Suppose taxi/aut e type d you mal are auto [d you mal are aut	What e you and your family me. There is an app- Cost of travel Rs 50, first 5 Km Rs 8 per Km te this trip? call taxi □ app-based e you had to go to the o service. Assume all Cost of travel Rs. 100 first 5 Km Rs 8 per Km te this trip? call taxi □ app-based w 9:00 pm, suppose you an app-based taxi/a Cost of travel Rs. 150 first 5 Km	y will you consider un y have to make a trip based taxi/auto servi Peak hour surcharge 1.25 * Base fare d service □ hire a dri Airport to catch a ff other modes (bus, trai Peak hour surcharge 1.5 * Base fare d service □ hire a dri ou had to meet a clie uto service. Assume a Peak hour surcharge	der the following scent to a shopping mall (ce. Assume all other n Promotional offers 25 % discount on this ride ver □ rent a car □ 2v light and you have he in, auto etc.) operate as Promotional offers 50 % discount on this ride ver □ rent a car □ 2v light and you have he in, auto etc.) operate as Promotional offers 50 % discount on this ride ver □ rent a car □ 2v int related to your wo all other modes (bus, tr Promotional offers No_discount on	arios or cinema theatre) whodes (bus, train, auto of the second	etc.) operate as they Security Normal an app-based Security Normal Normal stepy do now.
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Annexure 10: Check list for commercial bid

To be filled and submitted as a part of the Commercial bid.

Sno.	Attachments	Description	Included	Page no. in the
			(Yes/No)	bid document
1	Annexure 12	Commercial bid including Bill of quantities		

Annexure 11: Check list for technical bid

Sno.	Attachments	Description	Included	Page no. in the
			(Yes/No)	bid document
1		Certificate of Incorporation, Refer		
		section 2, serial no. 1		
2		Certificate of Incorporation or Sales		
		tax certificate or Certificate issued		
		by any other government authority.		
		Refer section 2, serial no. 2		
3		Certificate from current authorized		
		signatory of the bidder. Refer		
		section 2, serial no. 6		
4	Annexure 1	Letter of submission of bid		
5	Annexure 2	Business Details		
6	Annexure 3	Details of Turnover		
7	Annexure 4	Details of Similar work done		
8	Annexure 5	Details of Key & Other personnel		
9		CV of the key personnel, Refer		
		section 5.4.2.4		
10	Annexure 6	Declaration that the bidder has not		
		been blacklisted		
11	Annexure 7	Project implementation schedule		
12		Self-declaration on simultaneous		
		execution of multiple household		
		transportation survey projects as per		
		section 3		

To be filled and submitted as a part of the Technical bid.

Annexure 12: Format for Commercial bid including Bill of Quantities

For zones 1 to 12

Tender Reference no.

Part	Description	Unit	Unit Rate (INR)				
1	To conduct Worker's Mode Choice Survey						
1. a	Survey Material Cost	Per completed household					
1.b	Cost per enumerator / surveyor	Per completed household					
1.c	Other Manpower cost (personnel involved in the survey)	Per completed household					
1.d	Compensation for opportunity cost for responding to the worker's mode choice survey (must not be less than 100 Rs.)	Per completed household					
1.e	Transport and Logistics	Per completed household					
2	Data digitization	Per completed household					

Cost for worker's mode choice survey and data digitization for one completed household (part 1 + part 2) = INR

Estimated cost for 3000 completed households

Sno.	Description	Unit	Amount (INR)
1	Total (sum of worker's mode choice	3000 completed	
	survey & Data digitization)	households	
2	Applicable taxes and duties (Mention as	%	
	percentage of Sno.1)		
	Total Cost (in Figures)		

Note:

- 1. Price inclusive of taxes and duties and all other costs excluding service tax
- 2. Data Digitization Includes Coordination, Data Entry, Quality verification and Submission in electronic format.
- 3. Survey Includes Data collection, Data Entry and Submission.
- 4. The cost is all-inclusive of all the costs of the infrastructure, deliverables, etc. for data entry of records.

Place: Date: Bidder's signature and seal.