



The provision of transport survey and digitisation services for the subsidised buses in Gauteng for the CSIR.

Request for Quotation (RFQ) No: 9270/22/01/2021

Date of issue	Thursday, 10 December 2020
Closing Date and Time	Friday, 22 January 2021 at 16:30
RFQ Number	9270/22/01/2021
Contact details	For submission of quotations or any other enquiries: tender@csir.co.za

1 INVITATION FOR QUOTATION

Quotations are hereby invited for the the provision of transport survey and digitisation services for the subsidised buses in Gauteng for the CSIR based in Pretoria.

2 QUOTATION REQUIREMENTS

The CSIR, together with the Gauteng Department of Roads and Transport, is in the process of standardising public transport data in Gauteng. As part of this process, the route information of the subsidised buses in Gauteng needs to be captured in digital format.

This endeavour includes two parts:

- A. digitisation (digital route creation) from the contracts (that are in text format) to capture routes that should contractually be operated; and
- B. a survey to determine whether there are any deviations from the contractual routes and what these deviations look like.

This includes mapping both directions of routes as well as all stops located on the routes. The routes and stops need to be linked to up-to-date timetables with intermediate stop times provided. Physical pathways of the routes are required and the accuracy of these pathways should be high enough that the pathways adhere to the underlying street network. GPS devices used should thus be accurate enough for this purpose or post-processing should be done to snap pathways to the road network. The pathways should be on the correct side of

the road in the case of dual carriageways or roads with traffic in opposite directions and the centreline should not be used.

The winning bidder is responsible to obtain the necessary documentation (e.g. bus contracts) from which to work. All data need to be presented to the CSIR in the GTFS format of which a specification can be found here: <https://developers.google.com/transit/gtfs/reference>.

The deliverable thus consists of two GTFS datasets: one describing the services according to the contracts and one describing operations on the ground, with the discrepancies clearly described in a report referencing the relevant identifiers in the datasets. The files and fields are described in detail on the specification provided at the link above, but the required files and fields from this RFQ with additional info where necessary are available in **ANNEXURE “A”** at the end of this document;

The operators that form part of this RFQ, include: Putco, Mqgibelo, Moolas, Gauteng Coaches, Amogelang, Autopax, Atridgeville Bus Services, North West Star, JR Choeu, Ipelegeng, Asibemunye. The total number of routes that will form part of this study is estimated to be 2150 and quotes should be based on this number.

Additional information and insights such as number of passengers boarding/alighting and passenger numbers would be beneficial, but are not required.

3 EVALUATION CRITERIA

- 3.1 Selection of suppliers will be based on the 80/20 preference point system.
- 3.2 Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use www.csd.gov.za to register.
- 3.3 No order will be issued or no contract will be signed without a valid CSD number.
 - Provide valid original or certified copy of the B-BBEE Certificate issued by an accredited verification agency and bearing a SANAS logo; **or**
 - Valid sworn affidavits made on dti designed templates; **or**
 - dti issued sworn affidavit; **or**
 - CIPC issued B-BBEE certificate.

4 PRICING QUOTATION

- 4.1 Price needs to be provided in South African Rand (excl. VAT) and (Inc VAT) where applicable, with details on price elements that are subject to escalation and exchange rate fluctuations clearly indicated.
- 4.2 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, etc.
- 4.3 Payment will be according to the CSIR Payment Terms and Conditions.

5 OTHER TERMS AND CONDITIONS

- 5.1 All data remain the property of the Gauteng Department of Roads and Transport (GDRT) and no data may be used by service providers to build any value-added products. Furthermore, as per the contract between the GDRT and the CSIR, the CSIR remains the responsible entity to manage the Province's feeds on Google's Partnerdash and therefore the RFQ is limited to providing the datasets only. Where necessary, the CSIR will give attribution to the winning bidder's role in collecting the data.
- 5.2 The datasets need to be provided to the CSIR within 3 months of the appointment being made.
- 5.3 The service provider would need to be available to answer queries relating to the data for 4 weeks after submission of deliverables to the CSIR.
- 5.4 The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as being made to solicit any favour, to any CSIR employee or its representatives. Such an act shall constitute a material breach of the Agreement and the CSIR shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights.
- 5.5 A validity period of 90 days will apply to all quotations except where indicated differently on the quote.
- 5.6 The CSIR will provide the winning bidder with the necessary letters of endorsement from the Gauteng Department of Roads and Transport to do the surveys on their behalf as well as contact details for operators.
- 5.7 The winning bidder will not be able to claim ownership of the information/data collected, since the information belongs to the Gauteng Department of Roads and Transport. Should the winning bidder wish to use the information for purposes other than providing it to the CSIR as part of this project, the winning bidder should request written permission from the Gauteng Department of Roads and Transport with detailed

explanations as to what it will be used for. The CSIR cannot guarantee that such a request will be approved.

- 5.8 The CSIR acknowledges that the COVID-19 pandemic and holidays may cause delays and the winning bidder will not be penalised for delays in obtaining the information during the 3 months of the appointment and extension may be granted, on condition that the winning bidder:
- communicates transparently with the CSIR as to what is causing the delays and what the expected impact on delivery will be
 - can provide proof that they have tried to get hold of the relevant entity
- 6 No goods and/or services should be delivered to the CSIR without an official CSIR Purchase order. CSIR purchase order number must be quoted on the invoice. Invoices without CSIR purchase order numbers will be returned to supplier.
- 7 Note: This is not a Purchase Order.

8 DECLARATION BY TENDERER

Only tenderers who completed the declaration below will be considered for evaluation.

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I hereby undertake to render services described in the attached tendering documents to CSIR in accordance with the requirements and task directives / quotation specifications stipulated in **RFQ No. 9270/22/01/2021** at the price/s quoted. My offer/s remains binding upon me and open for acceptance by the CSIR during the validity period indicated and calculated from the closing date of the quotation.

I confirm that I am satisfied with regards to the correctness and validity of my quotation; that the price(s) and rate(s) quoted cover all the services specified in the quotation documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.

I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this RFQ as the principal liable for the due fulfilment of this RFQ process.

I declare that I have no participation in any collusive practices with any tenderer or any other person regarding this or any other RFQ proposal.

I accept that the CSIR may take appropriate actions, deemed necessary, should there be a conflict of interest or if this declaration proves to be false.

I confirm that I am duly authorised to sign this proposal.

NAME (PRINT)

CAPACITY

SIGNATURE

WITNESSES	
1
2
DATE:	

NAME OF FIRM

DATE

9 RFQ No: 9270/22/01/2021 ANNEXURE “A”

File	Fields	Additional info
Agency	agency_id	Unique ID per agency
	agency_name	Full name of agency
	agency_url	URL to agency's website if available
	agency_timezone	GMT+2 / SAST specified in the correct format
Stops	stop_id	Unique ID for all stops. Where routes share a stop, stops should be clustered/merged and only one stop_id be allocated and shared across routes.
	stop_name	Street address of the stop or closest street, or sufficient detail to identify the stop. Use abbreviations for type of street: Street = St, Drive = Dr, Avenue = Ave, Road = Rd. Stop name should be capitalised.
	stop_desc	Description of stop in sufficient detail to identify the stop
	stop_lat	Latitude specified in decimal degrees
	stop_lon	Longitude specified in decimal degrees
Routes	Route_id	Unique identifier per route (if there are variations to the route, each variation should have its own unique route ID).
	Route_short_name	
	Route_long_name	Could be route short name with extra details. Use abbreviations for type of street: Street = St, Drive = Dr, Avenue = Ave, Road = Rd. Route name should be capitalised.
	Route_type	Use type 3 for short- and long-distance bus routes.
Trips	Route_id	Links to route_id from Routes file
	Service_id	Links to Calendar file to determine when a service is operated
	Trip_id	Unique identifier per trip
	Trip_headsign	If available, please include
	Trip_short_name	
	Direction_id	0 = outbound, 1 = inbound
	Shape_id	Links to the Shapes file
Stop_times	Trip_id	Links to Trip file
	Arrival_time	
	Departure_time	
	Stop_id	Links to Stops file to identify stop
	Stop_sequence	Order/sequence of stops for a trip
Calendar	Service_id	Unique identifier for different services (such as weekdays/Saturday/Sunday)
	Monday	0 = Service not available on this day, 1 = service available on this day
	Tuesday	0 = Service not available on this day, 1 = service available on this day

	Wednesday	0 = Service not available on this day, 1 = service available on this day
	Thursday	0 = Service not available on this day, 1 = service available on this day
	Friday	0 = Service not available on this day, 1 = service available on this day
	Saturday	0 = Service not available on this day, 1 = service available on this day
	Sunday	0 = Service not available on this day, 1 = service available on this day
	Start_date	Use date of start of surveys/digitisation
	End_date	31/12/2021
Fare_attributes	Fare_id	Unique identifier for fare classes
	Price	Non-negative floats to 2 decimals (e.g.: R21.50)
	Currency_type	Rand
	Payment_method	On board
	Transfers	
	agency_id	Link to Agency file to identify agency
	Transfer_duration	
Fare_rules	Fare_id	Link to Fare_attributes file to identify fare
	Route_id	Link to Routes file to identify route when route-based fare
	Origin_id	When a zone-based fare, specify origin zone id and include a zones file with more information
	Destination_id	When a zone-based fare, specify a destination zone id and include a zones file with more information
	Contains_id	If required
Shapes	Shape_id	Unique identifier for all shapes
	Shape_pt_lat	Decimal degrees
	Shape_pt_lon	Decimal degrees
	Shape_pt_sequence	
Frequencies	Trip_id	Link to Trips file
	Start_time	
	End_time	
	Headway_secs	If trip frequencies stay constant throughout the day and can be specified like this. Else trips should be separated throughout the day in start and end time combinations.
Transfers	From_stop_id	
	To_stop_id	
	Transfer_type	
	Min_transfer_time	