

Procurement of DGPS Devices
for
BharatNet Phase II Implementation, Gujarat

Reference No: GFG/DST/BharatNet/DGPS/2019/412

28th August 2019



Gujarat Fibre Grid Network Limited (GFGNL)

A Government of Gujarat Company

Block No: 1, 8th Floor, Udyog Bhavan, Sector-11, Gandhinagar 382010

Introduction

The Gujarat Government has setup a Special Purpose Vehicle (SPV) namely “Gujarat Fibre Grid Network Limited” (GFGNL) to implement Phase-II of BharatNet Project in Gujarat. This SPV has been created to synergize with the efforts of Government of India under the National Optical Fiber Network and Digital India initiative and make focused efforts to actualize a state-to-village fiber grid and to facilitate building common Government owned infrastructure to provide internet facilities to residents of State of Gujarat.

GFGNL is implementing through its implementation partners, process involves trenching & ducting, fibre laying, setting up of electronic devices. To map planned as well as on ground implementation, GFGNL has engaged Lepton Software Export & Research (P) Ltd (<https://www.leptonsoftware.com/>) and is using its application software. The objective of this exercise is to map ground level assets to sub meter accuracy on GIS platform. GFGNL intends to do it using DGPS that can communicate over Bluetooth with the mobile application and its latitude- longitude (positional GPS coordinates) are injected in to the mobile application.

Gujarat Fibre Grid Network Limited (GFGNL) invites sealed bid from OEMs/Device Integrators to procure thirty (30) DGPS devices under a one (1) year full replacement warranty period for capturing OFC related assets with a sub meter accuracy as per terms & conditions specified in this document.

Important dates

Gujarat Fibre Grid Network Limited (GFGNL) invites eligible firms / companies to indicate their interest in providing the services in conformity to this document.

S No	Information	Details
1.	Name of the work	Procurement of DGPS Devices for BharatNet Phase II Implementation, Gujarat (Reference No: GFG/DST/BharatNet/DGPS/2019/412)
2.	Request document Availability	Document can be downloaded from 28.08.2019 https://dst.gujarat.gov.in/tender.htm
3.	Bid processing fee	Rs 6000 (Rs Six thousand Only) In the form of Demand Draft in favour of “Gujarat Fibre Grid Network Limited” drawn on any scheduled bank and payable at Ahmedabad/ Gandhinagar
4.	Earnest Money Deposit (EMD)	Rs 3,00,000 (Rs Three Lakhs only) Demand Draft in favour of “Gujarat Fibre Grid Network Limited” drawn on any scheduled bank and payable at Ahmedabad/ Gandhinagar
5.	last date of submission of bid	Bids should be submitted before 12:00 pm hrs. on 07.09.2019 at the below mentioned address Chief Finance Officer (CFO), Gujarat Fibre Grid Network Limited (GFGNL), Block No: 1, 8th Floor, Udyog Bhavan, Sector-11, Gandhinagar: 382010
6.	Opening of bids	07.09.2019 at 03:00 pm Gujarat Fibre Grid Network Limited (GFGNL) Block No. 1, 8th Floor, Udyog Bhavan, Sector 11, Gandhinagar-382010 (In the presence of Representatives of bidders who wish to remain present)
7.	Date of Technical evaluation	09.09.2019 at 11:00 am

S No	Information	Details
		Venue for technical evaluation shall be communicated to bidders post opening of bids.
8.	Opening of Commercial Proposal(s)	To be communicated to eligible bidder on a later stage

Any clarifications can be asked using the email id < directort@bharatnet.gujarat.gov.in >

Requirements

1. The selected agency shall provide thirty (30) DGPS devices within 7 days of receiving Work/ purchase order from GFGNL to the GFGNL's registered office in Gandhinagar, Gujarat.
2. Device shall be evaluated on following manner and must meet following functional requirements:
 - a. Device should support
 - i. Integrated Bluetooth
 - ii. Delivering sub meter accuracy without base
 - iii. be accompanied with a height adjustable pole, a carry case and all related accessories as per the model to carry the device during field work.
 - iv. Should run on field replaceable battery, and backup time should be minimum 8 hours.
 - v. Working in field in temperatures up to + 50°C
3. The selected bidder shall have support interfacing requirements with mobile application developed by Lepton Software Export & Research (P) Ltd by exposing their APIs, etc.
4. The selected agency shall provide a full replacement warranty of one (1) year for DGPS equipment, firmware and software.
5. GFGNL shall communicate location and reporting time for the technical evaluation separately.
6. During the evaluation, the device should take coordinated only from the satellite(s), no ground base reference pole is allowed
7. GFGNL's mobile application (currently built on android, IOS version in development) shall pair with the mobile phones to deliver GPS coordinates. That plot of GPS coordinates (line formed) should not have absolute average deviation over 50 points more than 1 meter, else the bidder shall be disqualified.
8. All bidders shall have to report to the site identified for technical evaluation on the specified time else they will be rejected.
9. All bidder shall have to perform data capture for 50 points (at 20 m interval) using application developed by Lepton Software Export & Research (P) Ltd. GFGNL shall provide application and test logins for technical evaluation.
10. All bidder shall complete the evaluation by walking on the same route, one after another identified by GFGNL.
11. The track and points identified for data capture shall be highlighted by lime powder *chuna* markings made on the ground.
12. All bidder shall be awarded marks as per the absolute average deviation for all 50 points captured. Bidder achieving absolute average deviation over 50 points more than 1 meter shall not qualify for financial evaluation.
13. Commercial evaluation: Selection will be based on Quality and Cost Based Selection (QCBS) method with 60% weightage to technical score and 40% to financial score. The combined evaluation will be carried out as per below mentioned methodology:

For combined evaluation, the following abbreviations are used –

- Ts = Technical score
- Fm = Lowest evaluated financial proposal
- Fs = Maximum financial score
- F = Price of the proposal under consideration
- T = Weight given to the Technical Proposal
- P = Weight given to the Financial Proposal
- S = Combined score

The combined evaluation will be carried out as follows –

The lowest evaluated Financial Proposal (Fm) will be given the maximum financial score (Fs) of 100 points. The financial scores (Fs) of the other financial proposals will be computed as per the following formula -

$Fs = 100 \times Fm / F$, in which Fs is the financial score, Fm is the lowest price and F the price of the proposal under consideration.

Proposals will be ranked according to their combined technical (Ts) and financial (Fs) scores using the weights (T = the weight given to the Technical Proposal; P = the weight given to the Financial Proposal; T + P = 100), which is S (combined score) = Ts x T% + Fs x P%.

The weights given to the Technical and Financial Proposals are:

T = 60 and P = 40

14. Bids shall be submitted under a sealed envelope clearly marked as “Reference Number: Procurement of DGPS Devices for BharatNet Phase II Implementation, Gujarat”, along with the name and address of the firm. The outer sealed envelope shall further have two (2) separate envelopes sealed namely Envelope-A and Envelope-B.
 - a. “Envelope-A” shall contain the EMD & DD
 - b. “Envelope-B” shall contain the financial proposal
15. The bid response should reach the prescribed address mentioned through courier or in person and before the last date as mentioned in the bid document. Any response to procurement request by GFGNL after the deadline for submission shall be returned unopened. GFGNL shall not be responsible for any postal or courier delays.
16. GFGNL reserves the right to accept any or all bid and to annul the procurement process or to reject all bids at any time prior to award of work
17. The bids and all related correspondence and documents should be written in the English language only.

Terms & Conditions

1. Each bidder can bid a maximum of two (2) devices of a single make.
2. The bidder shall be the single point of contact for GFGNL and shall be solely responsible for all warranties, upgrades, patches and guarantees etc. offered by the OEM etc.
3. The rates quoted in the bids must remain valid for 180 days (six months) from the last date of submission of bid. Rates will not be changed in any circumstances.
4. The supplier will replace the defective material, free of cost, if noticed within the Guarantee/Warranty period. The warranty will have to be valid for a period of 12 months after the date of delivery of equipment's. In case of any break down during the warranty, the period of warranty shall get extended for the period for which instrument remained out of service in addition to replacement of device of similar make & model within 7 days of written notice.
5. The selected agency shall provide the classroom and on field hands on trainings to GFGNL and associated agencies at Gandhinagar. GFGNL shall not pay any extra costs for training infrastructure and logistics. The financial bid quoted should be inclusive of cost towards technical evaluation logistics, final delivery of goods, installation & training charges.
6. The device is required to be securely packed as per to avoid damages to the consignment in transit. The selected agency shall be responsible for transit insurance and all risks till delivery to GFGNL.
7. GFGNL reserves the right to cancel any item or increase /reduce any quantity from the work/purchase order within the original delivery period.
8. The contract shall be interpreted in accordance with the laws of the Union of India. Any appeal will be subject to the exclusive jurisdiction of the courts of Gujarat only.

Payment terms:

S No	Milestone	Milestone description	Payment
1	Milestone #1	Delivery of requisite devices (100% material) as per the scope	75% of contract value
2	Milestone #2	3 months from Milestone #1	50% of remaining amount (25% of contract value)
3	Milestone #3	6 months from Milestone #1	50% of remaining amount (25% of contract value)

Penalties:

Time for delivery stated above in the document shall be of the essence of the contract and should the selected agency fail to deliver the whole/any part of the requisite devices within the period specified, penalties shall be imposed as per following:

S No	Delay	Penalty
1	Delay of first one week	1 % of contract value
2	Delay of second week	2 % of contract value
3	Delay of third week	3 % of contract value
4	Delay of fourth week	4% of contract value
5	Delay of more than four week	termination of Work/purchase order

Financial Bid Format

(To be Signed and submitted by the agency on their letter head)

To
Chief Finance Officer (CFO)
Gujarat Fibre Grid Network Limited (GFGNL),
Block No: 1, 8th Floor,
Udyog Bhavan,
Sector-11, Gandhinagar -382010

Sir,

I have carefully gone through the Terms & Conditions contained in the Procurement of DGPS Devices for BharatNet Phase II Implementation, Gujarat. I declare that all the provisions mentioned in the bid document are acceptable to my Company.

I/We agree for unconditional acceptance of all the terms and conditions set out in the request document (and subsequent clarification/corrigendum, if any) document. I/we agree that you are not bound to accept any bid response you may receive. We also agree that you reserve the right in absolute sense to reject all or any of the products/ services specified in the bid response.

I/We, the undersigned, offer to provide the material and/or service(s) to meet requirements as set out in the bid document following is our quotation summarizing our financial proposal.

S No	Name of the article	Quantity (Nos) (A)	Rate (Rs) (B)	Cost C=AXB	Taxes applicable (in %) (D)	Total Cost (C+D)
1	<Make & Model>					

I/We fully understand and agree to comply that on verification, if any of the information provided here is found to be misleading the selection process, we are liable to be dismissed from the selection process or termination of the contract during the project, if selected to do so.

I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration

Yours Truly,

Name: _____
Designation: _____
Company: _____
Address: _____
Seal:

Note:

- Payments shall be made by the GFGNL as per the terms and conditions of this document and no extra charges shall be paid by GFGNL.
- For financial evaluation, Price excluding Tax shall be taken into consideration
- The taxes shall be mentioned separately and will be applicable as actual as per the time of billing. All invoices should be raised from Gujarat.