

**Request for Proposal**  
**For**  
**Supply, Installation and Commission of Infrastructure for**  
**BharatNet Phase II Implementation, Gujarat**

Reference No: GFG/DST/BharatNet/ Infrastructure /2019/480

25<sup>th</sup> October 2019



**Gujarat Fibre Grid Network Limited (GFGNL)**

**A Government of Gujarat Company**

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

## 1. Background and Objective:

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.

BBNL (Bharat Broadband Network Limited) is a Telecom infrastructure provider, set up by the government of India under Telecom department for the establishment, management and operation of National Optical Fibre Network to provide a minimum of 100 Mbps broadband connectivity all 250,000 Gram panchayats in the country, covering nearly 625,000 villages, to improve telecommunications in India and reach the campaign goal of Digital India.

The Gram Panchayats (GPs) to be connected under BharatNet Phase-II has been divided into two packages, each containing a group of GPs for convenience of implementation. As part of the scope a total of 7692 GPs spread over 22 districts shall be connected over the proposed fibre grid.

GFGNL through separate tenders has already selected Project Implementing Agencies (PIA) for both the packages for implementing the entire project on Engineering Procurement and Construction (EPC) basis. The PIA's shall be responsible for “Survey, Design & Planning, Supply, Installation, testing and commissioning of OFC (Underground and Aerial) GPON Network with equipment's, transport network, end to end integration and also, to undertake the responsibility for Operations & Maintenance (O&M) and facilitating service provisioning of the established network for 7 years from the date of Go Live on turnkey basis.

Along with that GFGNL through a closed tender among empaneled agencies selected a third-party audit agency (TPA) for validating the entire execution done by PIA. TPA agency shall inspect, verify, certify and monitor the timely execution of the entire network including OFC laying, Equipment installation & integration with state NOC as per the TEC GRs and Engineering Instructions mentioned in detail in RFP for selection of PIAs, material inspection, service level management and Inspection of OFC routes during digging, trenching, ducting, reinstatement, OFC blowing, splicing & testing as per the scope mentioned in the respective RFP.

Agencies selected for Project Implementation and auditing are:

- ITI limited as PIA for Package A
- GTPL Hathway Limited as PIA for Package B
- TCIL as TPA for both the packages

The GFGNL head office is presently located at 8th floor, Block 1, Udyog Bhavan, Sector 11, Gandhinagar, Gujarat 382010.

GFGNL intends to establish efficient Infrastructure to install Telecom Network equipment's at various blocks/Talukas in respective districts of Gujarat to extend the connectivity at GPs. As a part of Infrastructure, GFGNL is seeking to install Porta cabin/Shelter with infrastructure for installation & commissioning of various Telecom Network equipment's like GPON, DWDM, RFMS etc. in rack and FDMS rack for termination of fibre cables. Selected bidder will have to supply, install and commission Infrastructure including ACDB (AC distribution box), AC, SMPS, battery bank and earthing strips & pits at various Govt. premises at Blocks/Talukas .

In reference to above, proposals are invited from well-established company/agencies engaged in the Supply, Installation and Commissioning of the Infrastructure and other equipment's as per the scope of this RFP for Gujrat Fibre Grid Network Ltd (GFGNL) for different locations in Gujarat.

Request for Proposal For Supply, Installation and Commission of Infrastructure for BharatNet Phase II Implementation, Gujarat

Note:

- a) Evaluation of bids shall be done on Least Cost/Lowest Cost (L1) criteria. L1 will be the lowest sum Total of column “C” in financial bid table 1.2 (C1) as per Annexure – VII. Table 1.1 is for GFGNL internal use.
- b) Bidder selected as L1 will be awarded the infrastructure work. Time is an essence for this project, Considering that, L2 bidder may have an opportunity (subject to discretion of MD, GFGNL) to match the price discovered of L1 bidder and if L2 bidder agrees to do so & MD, GFGNL approves so then L2 bidder may be awarded the infrastructure work for Package – B.

**2. Notice Inviting Proposal and Necessary Instruction**

Request for Proposal (RFP) for Supply, Installation & Commissioning of Porta Cabins for Gujarat Fibre Grid Network Limited (GFGNL)	
<b>Name of the work</b>	<b>Request for Proposal (RFP) for Supply, Installation &amp; Commissioning of Porta Cabins for Gujarat Fibre Grid Network Limited (GFGNL)</b>
<b>Tender submission Cost</b>	Rs 10,000 (Rs. Ten Thousand Rupees Only) In the form of Demand Draft in favor of “Gujarat Fibre Grid Network Limited” drawn on any scheduled bank and payable at Ahmedabad/Gandhinagar.
<b>EMD (bid Security / Security deposit)</b>	Rs 15,00,000 (Rs. Fifteen Lacs Only) Demand Draft in favor of “Gujarat Fibre Grid Network Limited” drawn on any scheduled bank and payable at Ahmedabad/Gandhinagar OR EMD in the form of bank guarantee with validity of 180 days from the due date of bid submission in favor of “CFO, Gujarat Fibre Grid Network Limited“ from <ul style="list-style-type: none"> <li>• All Nationalized banks including the Public sector banks - IDBI Ltd.</li> <li>• Private sector banks - AXIS Bank, ICICI Bank and HDFC Bank</li> </ul>
<b>Contract Period</b>	The rate provided by the selected agency will be valid for 12 Months from the date of award of work
<b>Bid validity days</b>	180 days from the date of submission of bids
<b>Issue Of Tender</b>	The tender can be downloaded from date 25.10.2019 website <a href="https://dst.gujarat.gov.in/tender.htm">https://dst.gujarat.gov.in/tender.htm</a>
<b>Pre-Bid</b>	Pre-bid will be held on 4.11.2019 at 2.00 PM Gujarat Fibre Grid Network Limited (GFGNL), Block No: 1, 8th Floor, Udyog Bhavan, Sector-11, Gandhinagar: 382010
<b>Proposal due date (last of date of Tender submission)</b>	Tender should be submitted before 2:00 PM on 11.11.2019 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
<b>Opening Of Tender</b>	Technical Qualification documents will be opened on the same day – 11.11.2019 at 4.00 PM in the presence of bidders  Qualified bidders would subsequently be informed later about the date, time and venue for price bid opening.

<b>Name of the work</b>	<b>Request for Proposal (RFP) for Supply, Installation &amp; Commissioning of Porta Cabins for Gujarat Fibre Grid Network Limited (GFGNL)</b>
<b>Contact persons (for any Clarifications)</b>	Chief Finance Officer (CFO), Gujarat Fibre Grid Network Limited (GFGNL), Block No: 1, 8th Floor, Udyog Bhavan, Sector-11, Gandhinagar: 382010 pmc@bharatnet.gujarat.gov.in

## 2.1. Clarifications on the RFP

A prospective bidder requiring any clarification on the RFP Document may submit its queries, via email only, to [pmc@bharatnet.gujarat.gov.in](mailto:pmc@bharatnet.gujarat.gov.in) on or before 2.11.2019, 6:00 pm

GFGNL will host a Pre-Bid meeting for queries (if any) by prospective bidders. GFGNL encourages prospective bidders to clarify their doubts/seek clarification or additional information necessary for them to submit their bid. The representatives of the bidders may visit the GFGNL office at their own cost for any clarification(s).

The queries should necessarily be submitted before bid submission date in the following softcopy format and **should be in Microsoft Excel only** (.xls or .xlsx formats):

Request for Clarification		
Name and Address of the Organization Submitting Request	Name and Position of Person Submitting Request	Contact Details of the Organization / Authorized Representative
Name: Address:	Name: Designation:	Tel: Mobile: Fax: Email:

Sr.	RFP Document Clause/ Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought

(No PDF or Scanned images)

Queries submitted post the above-mentioned deadline, or which do not adhere to the above-mentioned format may not be responded to. All the responses to the queries (clarifications / corrigendum) shall be made available on the website mentioned in the necessary instructions and shall not be communicated through print media.

### Proposal/Bid Submission & Evaluation

- a) Proposal preparation:
  - i. The proposal should be short, concise & include all points indicated in the document.
  - ii. The Proposal shall be typed or written in indelible ink and should be in English. Proposal in other language would not be accepted. The pages and volumes of each part of the Proposal shall be clearly numbered. The Proposal shall contain all the information required herein and references of previous submissions shall not be considered
  - iii. The bidder shall submit price bid / offer in Indian Rupees and payment under this contract will be made in Indian Rupees only
  - iv. The bidders shall bear all costs associated with the preparation and submission of their proposals.

- v. At any time before the submission of Proposals, GFGNL may amend this document by issuing an addendum, which shall be binding on the bidders.
- b) Proposal Submission:
- i. The proposal should reach the prescribed address mentioned through courier or by hand on or before the last date as mentioned in the RFP document.
  - ii. The bidder should submit a technical document explaining the solution in detail.
  - iii. Any proposal received by GFGNL after the deadline for submission shall be returned unopened. GFGNL shall not be responsible for any postal or courier delays.
  - iv. All contents of the Proposal should be clearly numbered, indexed and arranged in a sequence and shall be bound firmly
  - v. The Proposal shall contain no interlineations or overwriting, except as necessary to correct errors made by the officials of bidding agency themselves. The person who signs the proposal must put initial against such corrections.
  - vi. The proposals shall be signed and submitted by the Authorized Signatory of the Agency.
- c) Proposal Evaluation :
- i. The evaluation of the bid will be considered of only those bidders who
    - have furnished bid fee and security deposit of prescribed amount as per the tender
    - meet the eligibility criteria as mentioned in the RFP document and have furnished documentary proof in respect of the same
  - ii. The bids of the non-conforming bidders shall be rejected without evaluation.
  - iii. The proposal shall be evaluated in three (3) stages. In Stage – 1, EMD & DD shall be verified. Bidders whose EMD & DD are valid will be considered for Stage – 2. In Stage – 2, technical documents will be verified. Only those bidders who will be qualified in Stage – 1 & 2 will be eligible for Stage – 3 i.e. Financial evaluation.
  - iv. The evaluation of proposals shall be on the principle of Lowest cost (L1) based on quoted rates as per the financials submitted as part of the bid.
  - v. For financial evaluation, Price excluding Tax shall be taken into consideration
  - vi. Agency is required to furnish the commercial quote as mentioned under financial bid format. Revelation of commercial details other than the specified format shall lead to disqualification of the bid.
  - vii. GFGNL reserves the right to discard bids, which are deviating from the specified formats mentioned in the RFP.

## 2.2. Instruction to Bidding Agencies

- a) The proposal shall be submitted in a sealed envelope with clear inscription as “**Request for Proposal (RFP: GFG/DST/BharatNet/Infrastructure/2019/480) For Supply, Installation and Commission of Infrastructure for BharatNet Phase -II, Gujarat )**” on top of it before due date and time.
- b) The Proposal shall be in three parts i.e. Envelope-A, Envelope-B and Envelope-C.
  - “Envelope-A” shall contain the EMD & DD
  - “Envelope-B “ shall contain the Technical Proposal and
  - “Envelope-C” shall contain the Financial Proposal
- c) Technical and Financial Proposal shall be submitted separately in sealed covers with clear inscription as “**TECHNICAL/ FINANCIAL PROPOSAL: “Request for Proposal (RFP) For Supply, Installation and Commission of Infrastructure for BharatNet Phase -II, Gujarat (Reference No: GFG/DST/BharatNet/ Infrastructure /2019/480)”**” on top of respective covers and both the sealed envelopes with envelope A shall be sealed in a fourth envelop with required inscription on it as mentioned in Clause (a) above
- d) Bids received in any manner other than as prescribed above are liable to be rejected summarily

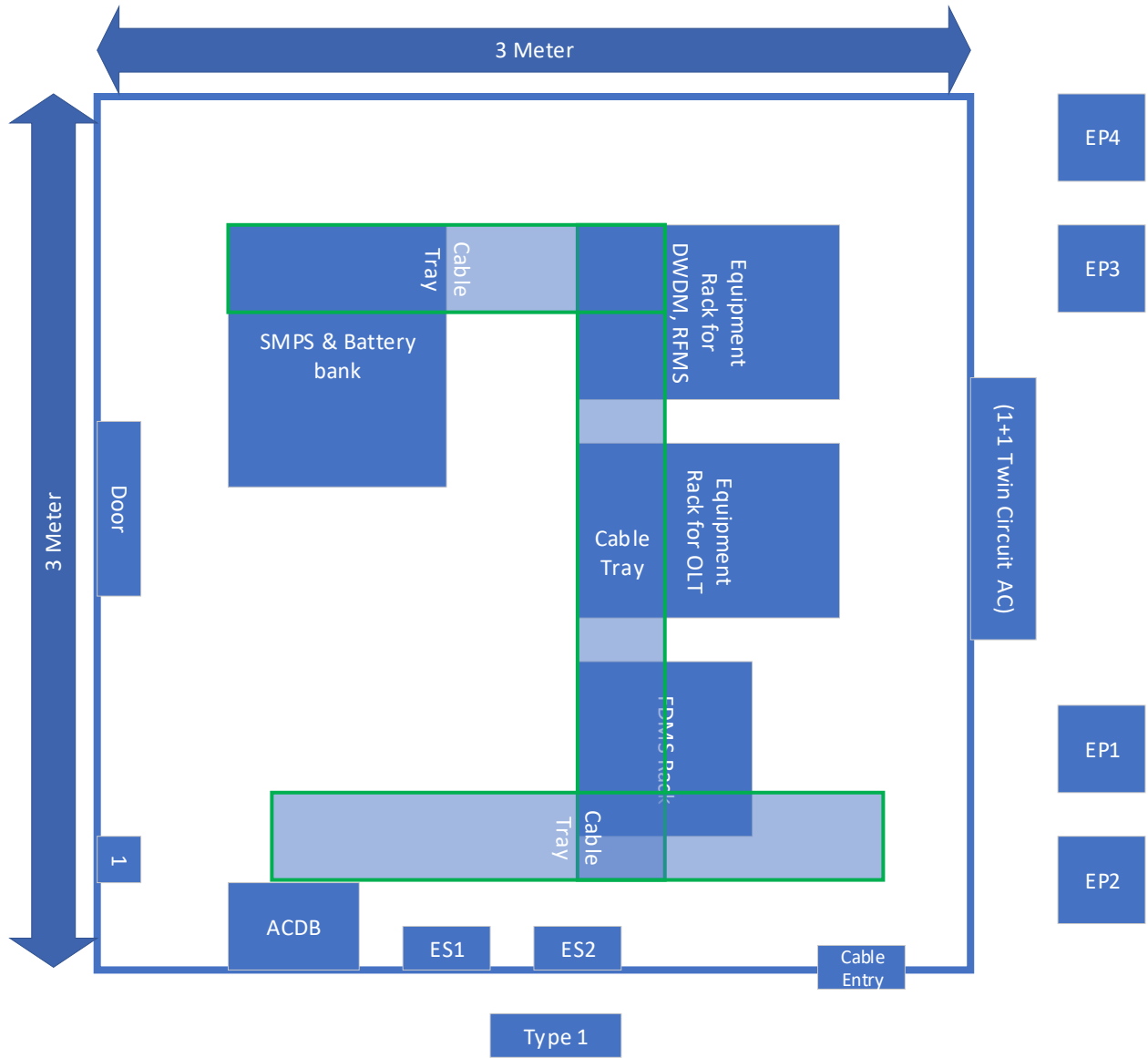
- e) GFGNL reserves the right, at the time of award of the contract or during the contract period to increase or decrease the total number of Infrastructure sites to be supplied by 25% w.r.to quantity mentioned in Clause – 5 (SoW) as per its requirements without any revision in commercial price quoted by bidder in proposal.
- f) Infrastructure Site type number mentioned in Annexure VII Table 1.2 can also be increased or decreased as per GFGNL's requirement during the execution of project, without any revision in commercial price quoted by bidder in proposal. However, the total number of infrastructure site will remain as per(e).
- g) Number of Porta cabin/Shelter units with infrastructure will be installed at Govt. premises proposed and selected by GFGNL.
- h) The Competent Authority of the GFGNL reserves the right to annul all bids or discontinue this tender process, without assigning any reason, at any time prior to signing of agreement with the successful bidder.
- i) The EMD of unsuccessful bidders will be returned by the GFGNL, without any interest, as promptly as possible on signing of contract with the selected bidder or when GFGNL cancels the bidding process.
- j) The Selected Bidder's EMD will be returned, without any interest, upon the Selected Bidder signing the Agreement and furnishing the performance guarantee in accordance with the provision thereof.
- k) The decision of GFGNL regarding forfeiture of the EMD and rejection of bid shall be final and shall not be called upon question under any circumstances.
- l) The EMD may be forfeited:
  - i. If a bidder withdraws their bid or increases their quoted prices during the period of bid validity or its extended period, if any; or
  - ii. In the case of a successful bidder, if the bidder fails to sign the Contract or to furnish Performance Bank Guarantee within specified time
  - iii. During the bid process, if a bidder indulges in any such deliberate act as would jeopardize or unnecessarily delay the process of bid evaluation and finalization
  - iv. During the bid process, if any information found wrong/manipulated/hidden in the bid
- m) The successful bidder who is awarded the Work Order shall be required to deposit a Performance bank guarantee (refer annexure VI ) @ 10% of the total value of the financial bid (i.e. Total amount of Column - C of financial bid submitted as per format of Annexure – VII) in the form of Bank Guarantee from any scheduled bank in favor of "CFO, Gujarat Fibre Grid Network Limited, Gandhinagar (from all Nationalized banks including the Public sector banks - IDBI Ltd. Or Private sector banks - AXIS Bank, ICICI Bank and HDFC Bank) within 7 days of award of work, covering the period of contract and 180 days beyond the contract period. In case, the contract is further extended beyond the initial period, the Bank Guarantee will have to be accordingly extended/renewed by the successful agency/bidder. All incidental charges whatsoever such as premium, commission etc. with respect to the Bank Guarantee shall be borne by the successful bidder. Non-deposit of PBG within the stipulated time shall render the award of contract invalid at the discretion of GFGNL.
- n) The successful bidder shall sign a contract with GFGNL within 7 days of receipt of proforma contract from GFGNL; failing which their EMD and/or performance bank guarantee (PBG) shall be forfeited and GFGNL's decision to scrap the tender or negotiate with the second bidder (as per the final ranking) shall be binding on the first bidder.

The Laws of Union of India shall govern any matter relating to the appointment of agency or the procedure for the appointment of agency. Disputes, if any arising under the said process shall be subject to the exclusive jurisdiction of courts at Gandhinagar/ Ahmedabad. Any disputes arising after the signing of the agreement shall be resolved in the manner as mentioned in such agreement.

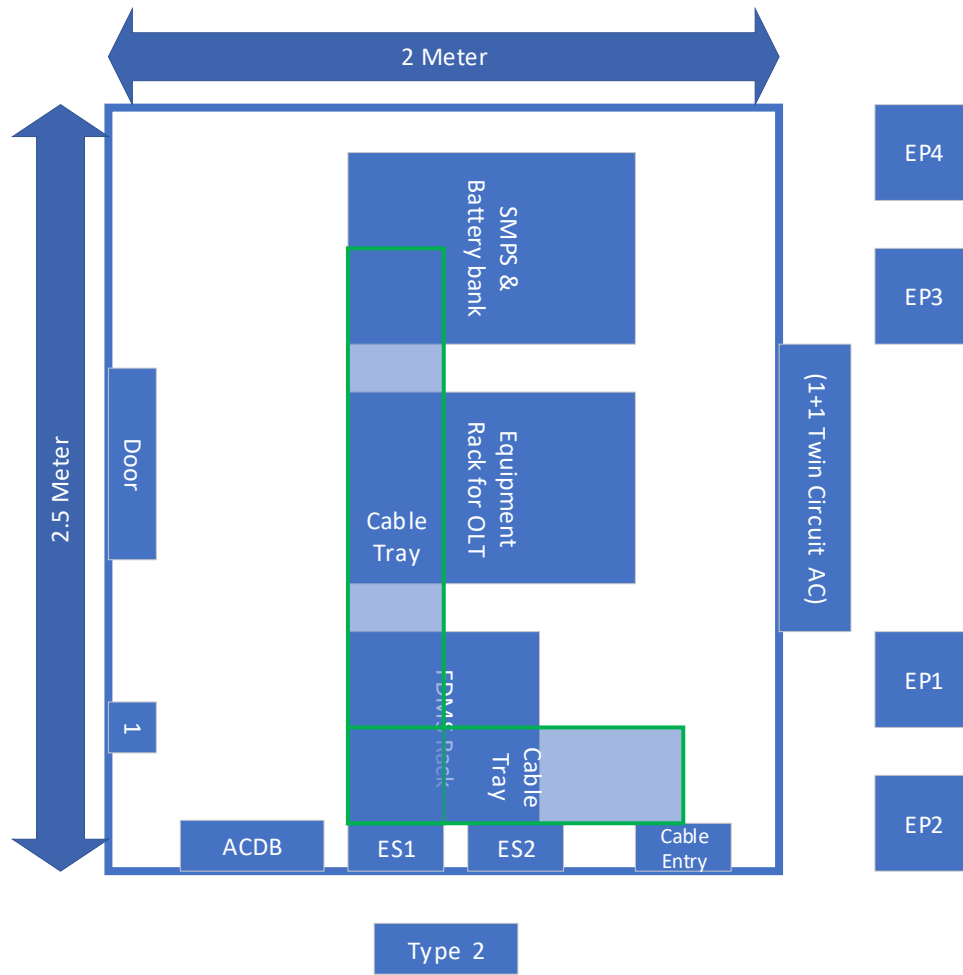
### 3. Eligibility Criteria

S No	Eligibility Criteria	Supporting Documents to be furnished
1.	<p>a. The entity should be either registered as a Company under Companies Act 1956/ 2013 or as a Partnership (including Limited Liability Partnership) under Partnership Act, 1932 as the case may be.</p> <p>b. Must have one office in Gujarat since 5 years.</p>	<p>Certificate of Incorporation in respect of the applicant organization issued by Registrar of Companies or a partnership deed duly registered under the Partnership Act</p> <ul style="list-style-type: none"> <li>•Certificate of Commencement of business</li> <li>•Certificate consequent to change of name, if applicable</li> <li>• Proof of office (electricity bill/ lease agreement)</li> </ul>
2.	The Bidder should have minimum cumulative annual turnover of Rs 12 Cr in the last three financial year (2016-17, 2017-18 & 2018-19)	Certificate from the Statutory auditor / CA clearly specifying the annual turnover for the specified years. For 2018-19, if finally published results are not available, provisional turn over details with CA certificate.
3.	The Bidder should have a positive net worth.	Bidder should submit a certificate from the statutory auditors for last 3 years (2016-17, 2017-18 & 2018-19)
4.	Shelter OEM should have supplied atleast 50 Shelters/portacabin to telecom/IP infrastructure provider in last 5 years from submission of bid	Copy of Purchase order & undertaking of supply made on company letterhead
5.	The bidder should not have been barred from participating in any tender/ providing services/procurement process or supply of materials by an organization/department/office/ PSU/ board or corporation of either Government of India or any state government .	Refer format Annexure III
6.	The bidder should have a valid GST registration	Copy of valid GST registration Copy of valid PAN card
7.	Bidder submit a “Manufacturers Authorization form”(MAF) for Air conditioner ,SMPS & Battery bank issued by the respective OEM authorizing the bidder to supply & install the equipments .	MAF issued by OEM for the proposed product

**4. Indicative Shelter Diagram.**







### 5. Scope of Work:

Selected bidder will have to supply, install and commission Infrastructure including porta cabin/shelter, ACDB (AC distribution box), DCDB, AC, SMPS, battery bank, earthing strips and earthing pits at any Govt. premises at Blocks/Talukas or as per GFGNL's requirement. Selected bidder will also have to carry out required civil work to install shelter /porta cabin as per the details provided in specifications below and electrical cabling work for successful commissioning of all electrical equipment's.

Selected bidder(s) will have to supply tentatively 100 nos. shelter with Infrastructure and equipments at the locations within Gujarat as per requirement of GFGNL. Scope variation as mentioned in clause – 2.2 (e) will also be applicable to individual package.

### 5.1. Specifications of Porta cabin/Shelter :

The specification of porta cabin is given in table below:

Sr. no.	Parameters	Minimum Specifications
1.	Internal dimensions	<b>Type 1 : Length(Depth of shelter) – 3 Meter, Width – 3 Meter, Height – 2.7 Meter</b> <b>Type 2 : Length(Depth of shelter) – 2 Meter , Width – 2.5 Meter , Height –2.7 Meter</b>
2.	Thickness of Inner Wall skin	>=0.8 mm percolated GI sheet
3.	Thickness of Outer Wall skin	>=0.6 mm percolated GI sheet
4.	Core material between inner wall skin and outer wall skin	a. 80 mm thick Poly Urethane Foam b. Density of 40kg/Cu. m. c. Thermal conductivity: < 0.02 W/m. Degree Kelvin
5.	Integral projected roof	100 mm on all four sides to give rain Protection
6.	Floor Insulation	55 mm thick PUF
7.	Floor load capacity	200 kg/Square meter
8.	Survival wind speed	At least 100 Kmph
9.	Door	Insulated Metallic door, at least 920 mm X 2140 mm fitted with rubber gasket
10.	Door Locks Standard	Single point Mortise lock with minimum 3 sets of keys
11.	Door Hinges	Stainless steel pickproof Hinges (3 Nos.)
12.	Cable tray	a. 250 mm wide powder coated aluminum perforated cable tray b. Thickness 2 mm
13.	Others	Porta cabin shall be self-standing, self-supporting galvanized steel structure.
14.		Porta cabin roof shall be cambered to the side of the porta cabin
15.		Porta cabin shall be designed on steel channel frame and secured using foundation bolts.
16.		A 19 mm thick waterproof ply shall rest on the porta cabin floor. It shall be fire retardant, fungus proof, termite proof and anti-abrasive.
17.		Floor shall be covered with 2 mm thick green color anti-static mat
18.		For earthing of electronics & Electrical components, Two numbers of wall mount long copper strip/bar of dimensions length 300 mm, width 25mm, 5mm depth with M8 bolt size rounded holes and insulator in it.
19.		Door rain guard to be provided above the door for smooth operations.
20.		Porta cabin shall have cut-outs for following: <ul style="list-style-type: none"> <li>• Fiber cable</li> <li>• Power cable</li> </ul>

Request for Proposal For Supply, Installation and Commission of Infrastructure for BharatNet Phase II Implementation, Gujarat

	<ul style="list-style-type: none"> <li>• Air Condition inlet &amp; outlet</li> <li>• Earthing cable</li> </ul>
21.	Porta cabin shall be water proof
22.	Porta cabin shall have adjustable anti-corrosive Aluminium access ladder.
23.	The foundation shall be made of reinforced cement concrete with suitable grade to sustain entire load of porta cabin and equipment.
24.	The foundation shall be designed in accordance with local rules and regulations and the municipal / concerned government authorities' guidelines to be adhered.
25.	<ol style="list-style-type: none"> <li>While constructing the foundation, load bearing capacity of soil, seismic load and wind load to be accounted for. In case of roof top installation, building load bearing capacity &amp; structural stability to be accounted for.</li> <li>Bidder shall have to submit the soil testing / structure stability testing report/certificate for each infrastructure location before start of work from Govt. approved agency.</li> </ol>
26.	The foundation shall support the porta cabin at minimum 4 points with vertical RCC Columns having arrangement of base plate and foundation bolt to fix the porta cabin. The height of the RCC column should not be less than 50 cm to protect porta cabin from waterlogging.
27.	Steps required to be provided for entering to porta cabin/shelter.
28.	Porta cabin shall have at least 2 no. x 20W white colour LED tube light. The porta cabin shall have adequate lighting system and safety equipment.
29.	Porta cabin shall have at least 1 no. DC operated emergency light in the porta cabin to work in case of power failure.
30.	Porta cabin shall have wall mounted / floor mounted ACDB (AC distribution box) with suitable MCBs and visual indication for each phase of supply.
31.	Porta cabin shall have at least 2 no. x 15A adjustable AC socket with switch board for laptop / tester charging.
32.	Porta cabin shall have sensors/transducers for temperature, door opening and smoke/fire detection. Necessary arrangement needs to be done to extend all these alarms to SMPS controller card so that same can be sent towards GFGNL NOC/NMS.
33.	Porta cabin shall be equipped with (CO <sub>2</sub> /FM200/NOVAC) fire suppression system for fire safety
34.	Porta cabin shall have acrylic based polymer coating to cover entire roof joints to provide rain shield on the porta cabin and the coating shall withstand UV rays and expansion / contraction under extreme weather condition. The construction of porta cabin will be such that water seepage must not happen in any condition.
35.	Construction of porta cabin shall be such that it can be transported in a dismantled form to the site & assembled there

## 5.2. Specifications of SMPS and battery bank:

The specifications of SMPS with battery bank required are as follows:

Sr. no	Parameters	Minimum Specifications
1.	Input Voltage and Frequency	300 - 475 VAC, Three Phase and 50 Hz +/- 2 Hz
2.	Output Voltage	Nominal : -48V DC
3.	Cutoff voltage for Battery	SMPS should be able to configure for defining Cutoff voltage (V): -42v to -44v
4.	Rectifier module / Capacity	<ul style="list-style-type: none"> <li>a) Adequate capacity to cater DC load of 60Amp for electronic equipments. Rectifier modules of 50Amp(2+1) to be supplied. Bidder has to consider charging current requirement for battery back-up separately.</li> <li>b) power plant compatible with VRLA batteries &amp; has enough capacity to take care of load and battery at C/10 rate of charge.</li> </ul>
5.	Protection	The SMPS shall have an In-built Class C surge protection device. SMPS power plant to ensure prevent from Deep Discharge and battery under voltage .
6.	Alarm extension	The SMPS shall have advanced intelligent controller with ethernet interface supporting SNMP based communication for integration with GFGNL NMS to monitor specified parameters/alarms like overvoltage, battery on load, under voltage, temperature, door opening, smoke/fire detection etc. SMPS will have to send all these alarms towards NOC/NMS of GFGNL. OEM will have to share MIB file for necessary integration with NMS.
7.	Indications & Alarms	The SMPS shall have LEDs for status indications and visual display to show alarms for output over voltage, over load or any module failure
8.	Additional rectifier modules capability	The system shall be expandable at rack level itself, using the basic modules of the same rating as per the additional equipment to be deployed in future.
9.	DCDB	The system shall be provided with at least 8 Nos. of MCBs (4 nos. 16Amp MCB + 4 nos. 32Amp MCB). MCBs may be installed separately in DCDB box or as part of SMPS chassis.
10.	Battery Backup	Minimum backup of 480 Minutes on initial full load
11.	Battery Type	<ul style="list-style-type: none"> <li>a) VRLA (SMF)</li> <li>b) Functional Operating Temperature Range (Charge) 0°C to 45°C &amp; Operating temperature range (Discharge) 0 to 50°C,</li> <li>c) Battery should be provided with 3 years on site replacement warranty.</li> <li>d) Module charging voltage: Between -48V to -56V</li> </ul>
12.	Expected Battery life	<ul style="list-style-type: none"> <li>a) Under ideal conditions i.e. moderate ambient temperature (10°C to 35°C). However, the same battery at an average temperature of 35°C in cyclic discharge application to 80% DOD (depth of discharge) will give 1200 cycles or five (5) years of operational life (whichever is early).</li> <li>b) Depth of Discharge (DOD) is defined as the ratio of quantity of electricity (in Ampere-hour) removed from a cell or battery on discharge to its rated capacity.</li> </ul>

Sr. no	Parameters	Minimum Specifications
13.	Installation	<p>a) Battery Bank, SMPS should be installed on a Non-corrosive stand/ or installed in separate Rack, stand/rack should be capable to withstand the load of SMPS and Battery bank.</p> <p>b) Battery stacking shall be done with a view to optimize floor space as per floor diagram and loading. The Contractor shall provide the necessary installation arrangements including grouting, base frames etc.</p>

### 5.3. Specifications of Air Conditioner (AC)

Sr. No.	Particular	Minimum Specification
1	Total Cooling capacity	1.5 TR with built in FCU , wall mounted
2	Rated Voltage	230V Single phase – 50Hz, 48VDC
3	Refringent used	R22
4	Timer facility	Yes
5	Display panel	Yes
6	Mat. Type of Tube	Internally grooved Copper
7	Evaporate Air flow	Alteast 1000 CFM
8	General	<ol style="list-style-type: none"> <li>There shall be two A/Cs of equal Tr capacity in each BTS site and both the A/Cs of a site shall be integrated in one single unit/cabinet.</li> <li>Whole unit/cabinet shall be outside the shelter/room with the requirement of at the most two cutouts in the shelter/room wall; one for supply-air &amp; the other for return-air.</li> <li>Weight of the unit has to be supported on a galvanized steel stand, of requisite height as per the site condition, designed to carry the static &amp; dynamic load of the unit continuously. The stand shall be properly grouted at site. The A/C unit shall be powder coated with 50micron thick layer</li> </ol>
9	Supply, installation commissioning of AC	<ol style="list-style-type: none"> <li>The unit in itself shall be weatherproof so as to safeguard the components inside.</li> <li>The evaporator filter shall be of washable (using water) type.</li> <li>Built-in thermal overload shall be provided in each A/C.</li> <li>Opening in which the A/C is installed should be sealed to prevent air-leakage.</li> <li>A/C units should be ruggedly fixed to ensure minimum vibration during operation.</li> <li>Manufacturer's written-down procedure should be strictly adhered to regarding vacuuming, buffering &amp; gas charging.</li> <li>Interiors of the A/C equipment must be cleaned before switching it ON. Else the</li> </ol>

		<p>accumulated dust inside the A/C will spread in the room.</p> <ol style="list-style-type: none"> <li>8. Check the tightness of all electrical terminations before switching ON the A/C.</li> <li>9. There should be no loose nut-bolt/screw/joint in the A/C.</li> <li>10. During testing of both the A/Cs, simulate all the alarms. We should get all the alarms on the controller in auto &amp; manual modes.</li> <li>11. Potential free contacts shall be provided to transmit each alarm. 10m of alarm-cable shall be provided and the same shall be extended to our “alarm extension terminal block” within the shelter</li> <li>12. Required electrical cabling including cabling from the nearest available electrical socket, MCB installation, piping supply &amp; fixing of drain pipe etc. as per requirement. If manufacturer is not providing any free material along with machine, then agency will have to supply the same to successfully comply to the scope of work of this RFP. Electrical cable must be joint free and continuous.)</li> </ol>
10	Controller requirement	<ol style="list-style-type: none"> <li>1. Microprocessor type with ability of measuring ambient and shelter temperature and humidity and display through LED and alarm output.</li> <li>2. Capable of activating FCU when ambient temperature &amp; humidity is in pre-set desired limit and disconnecting AC's</li> <li>3. Facility to operate the A/Cs in either Auto or manual mode shall be provided. Changeover from auto to manual mode &amp; vice-versa shall be simultaneous for both A/Cs.</li> <li>4. Temperature to be maintained inside the shelter/room shall be settable from 22°C to 30°C.</li> <li>5. In any mode (auto or manual), temperature in the shelter/room shall not vary more than +/- 2°C from the set value.</li> <li>6. Only one A/C shall operate at any point of time; And the cycling of A/Cs shall happen every 6hrs.</li> <li>7. I/P power available will be 1φ 230V +/-10% AC 47.5-51.5Hz.</li> <li>8. Facility to operate the A/Cs in either Auto or manual mode shall be provided. Changeover from auto to manual mode &amp; vice-versa shall be simultaneous for both A/Cs.</li> <li>9. Temperature to be maintained inside the shelter/room shall be settable from 22°C to 30°C.</li> </ol>

		10. In any mode (auto or manual), temperature in the shelter/room shall not vary more than +/- 2°C from the set value.
		11. Only one A/C shall operate at any point of time; And the cycling of A/Cs shall happen every 6hrs.
		12. I/P power available will be 1φ 230V +/-10% AC 47.5-51.5Hz.

**Warranty of Air conditioner:**

- a) Bidder shall have to provide 5 years onsite warranty of compressor unit and 1-year onsite replacement warranty of whole unit and controller against manufacturing defect. Warranty will start after successful installation & commissioning of unit at site.
- b) User Manuals: Simple user-friendly operating guidance should be provided

**5.4. Terms & Conditions:**

1. Selected agency shall apply for Electricity meter in name of GFGNL to the concerned electricity provider and shall take follow up until the connection is provided.
2. GFGNL will pay electricity bill as per actuals post installation.
3. Selected agency shall have to do the location marking jointly with GFGNL at Govt. Premises before starting the work.
4. Selected agency will have to showcase first porta cabin infrastructure at proposed location as prototype and get GFGNL team's approval before proceeding for other locations.
5. Selected Agency will have to do the necessary changes as suggested by GFGNL team in the prototype site and then only proceed for further locations.
6. Selected agency shall make arrangements to install the meter nearby the porta cabin with necessary accessories in weather proofing Box.
7. FAT(Factory acceptance test) will be done by GFGNL authorized TPA before supply and installation of battery bank, SMPS. Only FAT approved Battery ,SMPS will be deployed.
8. Bidder have to take care of all safety precaution(barricading while constructing foundation, infra.)installation and commissioning at each infrastructure site.
9. All safety equipment required for installation and commissioning shall be provided by the bidder.
10. Selected agency shall supply and install electrical cables as per load required for interconnection between different electrical components (including but not limited to) i.e. SMPS, Meter box, battery bank, AC and till power panel of all racks to enable PIA teams to install the proposed electronics devices.
11. Electronic Equipments installed by GFGNL will run on -48VDC.
12. Bidder will have to use ISO standard compliant Electrical cables.
13. Samples of all prefabricated panels and other fitments will be provided and approved before commencement of the work
14. Selected agency will also have to construct minimum 2 earthing pits each for earthing of electrical & electronic equipment's per site near to shelter connected in grid with plate earthing. Dimension of earthing plate should be minimum 600 mm \* 600 mm \* 5 mm. Both earthing pits will be connected in grid. There will be 2 such separate grids (total 4 earthing pits) for electrical & electronic equipment's.
15. GFGNL will only have the rights to install any additional rack (as per space feasibility), any additional equipment inside existing rack, laying & installation of any additional optical fibre cable through its vendors/contractors. GFGNL will also have rights to allow any 3<sup>rd</sup> party organization to install its rack, its equipment inside GFGNL's rack and laying & installation of

- optical fibre cable within shelter / porta cabin. Non-discriminatory access including leasing of dark fibres shall be provided to Service Providers.
16. The rates quoted by the bidder shall include transportation, loading/unloading and labour charges for all scope of work mentioned in this RFP. No additional payment other than what has been quoted for in the tender shall be payable to the selected bidder under any circumstances.
  17. Bidder Shall have to name of the tenderer and /or logo printed at each infrastructure i.e.on Porta cabin/Shelter.
  18. Time for completion of the work for one site shall be 30 days from the date of intimation to the selected agency/bidder. Separate intimation letter shall be issued for commencement of the work for each site.
  19. Bidder shall have to provide onsite support within 24 hours of intimation given by GFGNL on call/e-mail for any quality of work & material related issues.
  20. Date of completion shall be the date on which completion certificate is issued to the agency by GFGNL which shall only be done after rectification of defects, if any pointed out by the GFGNL representative to the selected bidder / his contractor / his representative.
  21. Machinery, equipment, implements, material and consumables proposed to be used to fulfill the scope of work of this RFP should be clearly indicated and will be selected bidder's responsibility.
  22. 1 manual each of all electrical equipment's will be provided per site mentioning process for installation and commissioning of equipment including configuration, operational procedure for preventive & reactive maintenance and do's & don'ts.
  23. In case of physical damage done to shelter/Porta cabin or any other infrastructure components post installation and commissioning at any infrastructure location Bidder shall have to support for restoration. GFGNL will pay for same as per actuals.
  24. Bidder should meet the following Support requirement :
  25. Telephonic Support : 24\*7  
Response Time for incident : Onsite Resolution within 24 Hours



## 6. Bill of Quantities (BoQ):

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

Sr. No.	Item Description	UOM	QTY	Make & Model Number
1.	Supply, installation, testing & commissioning of Porta cabin with all accessories Type 1 : Length –3 Meter, Width – 3 Meter, Height – 2.7 Meter	Nos.	50	
2.	Supply, installation, testing & commissioning of Porta cabin with all accessories Type 2 : Length – 2 Meter , Width – 2.5 Meter , Height –2.7 Meter	Nos.	50	
3.	Supply, installation, testing & commissioning of Switch Mode Power Supply (SMPS) without rectifier modules with 5 years onsite warranty	Nos.	100	
4.	Rectifier modules of 50 Amp capacity with 3 years Warranty	Nos	300	
5.	Supply, installation, testing & commissioning of 1 set of 400 AH Battery bank with 3 years onsite replacement warranty	Nos.	80	
6.	Supply, installation, testing & commissioning of 1 set of 600 AH Battery bank with 3 years onsite replacement warranty	Nos.	20	
7.	Supply, installation, testing & commissioning of 1.5 TR Air Conditioner (AC) (1+1 Twin circuit )with 5 years onsite warranty	Nos.	100	
8.	Services - Civil work required to fix porta cabin	Nos.	100	
9.	Services - Electrical work along with supply of electrical cables and consumables.	Nos.	100	
10.	Services – Construction of earthing pits including supply of all required material and consumables	Nos.	400	

Note: This is indicative BoQ. GFGNL deserves the right to procure number of porta cabins & other infrastructure as per clause – 2.2 (e).

## 7. Selection of bidder & Allotment of work

- c) Evaluation of bids shall be done on Least Cost/Lowest Cost (L1) criteria. L1 will be the lowest sum Total of column “C” in financial bid table 1.2 (C1) as per Annexure – VII. Table 1.1 is for GFGNL internal use.

- d) Bidder selected as L1 will be awarded the infrastructure work. Time is an essence for this project, Considering that, L2 bidder may have an opportunity (subject to discretion of MD, GFGNL) to match the price discovered of L1 bidder and if L2 bidder agrees to do so & MD, GFGNL approves so then L2 bidder may be awarded the infrastructure work for Package – B.
- e) L2 bidder will have to submit undertaking to match the price of L1 bidder in writing on his company letter head signed by competent authority with company seal.
- f) MD, GFGNL reserves the rights to increase / decrease the scope of any Package and include the same scope in other Package (if separate bidders are selected for both Packages) in case performance of any selected bidder is not found satisfactory after giving notice to the non-performing bidder and if non-performing bidder fails to rectify the issues within 15 days time.

### 7.1. Terms of payment

- a) Installation charges will be paid after satisfactory installation & commissioning of porta cabin with mentioned Equipment's in BoQ post certified by GFGNL
- b) payments will be made within 30 days from the date of submission of final tax invoice along with report accepted by GFGNL.

Sr.No	Delivery Milestone	Payment
1	Successful installation & commissioning of porta cabin(Shelter)with all equipment's and submission of acceptance report from GFGNL	70% of total work value for 1 porta cabin with Infrastructure as mentioned in intimation / order
2	After 3 months of commissioning	20% of total work value for 1 porta cabin with Infrastructure as mentioned in intimation / order
3	After 1 year of defect liability period after commissioning	10% of total work value for 1 porta cabin with Infrastructure as mentioned in intimation / order

- c) No payment will be admissible for goods rejected.
- d) Actual will be paid based on number of porta cabin/Shelter with infrastructure installed per location post certification by GFGNL.
- e) 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.

### 7.2. Penalty

- a) GFGNL's decision to impose penalty and the assessed amount there on shall be final and binding on the selected agency.
- b) Total penalty levied will not exceed (5% of the total Financial bid value i.e. Total amount of Column - C of financial bid submitted as per format of Annexure – VII) for each Package. Penalty exceeding 5% as per above for each Package will be a good ground for termination of contract.

Sr.No	Milestone/Phase	Particulars	Amount (INR)
1	Installation & Commissioning	Delay of each day after 30 days (from the date of intimation/Order) in completion of work	5000 Per Day
2	Defect Liability Period	Any Delay in on Site support with return and Replacement > than 24 hours	2000 Per Day

For the incident for which GFGNL personal provided intimation to selected bidder through phone / e-mail at 3 pm on X day, then bidder will have time to extend on-site support till EoD of next day (i.e. X+1). EoD will be considered as 6 pm as per IST. Calendar days will be considered without consideration of any government holiday / any other holiday pertaining to any festival / event.

**7.3. Warranty**

- a) As mentioned in BoQ and other related clauses.
- b) Bidder should also have to provide the Spoke person from his end as well as contact details of all OEMs along with escalation matrix to GFGNL
- c) Warranty start date shall be the date of infrastructure site commissioned & accepted by GFGNL.

**7.4. Delivery**

- a) Quoted price must include expenses for transportation, loading & unloading and packing & unpacking at sites.
- b) Non-availability of the stock should be informed in writing immediately.
- c) No part-supply will be allowed.
- d) Defective items or items not as per given brands, make & model as quoted, if any supplied must be taken back and be replaced with no additional cost

**7.5. Taxes**

The quoted offer should be exclusive of Taxes. Taxes shall be paid extra on actual, as applicable. The taxes prevailing at the time of raising the invoice shall be paid. GFGNL shall deduct appropriate tax as applicable at source from the payment against the delivery & services and corresponding TDS certificate shall be issued. All invoices should be raised from Gujarat.

## 8. Annexures & Check list

### 8.1. Bid Document checklist

#	Documents to be submitted	Submitted (Y / N)	Documentary Proof (Page No.)
<b>Qualification Criteria</b>			
1.	Demand Draft as bid processing fee		
2.	EMD as Bid Security (DD/ BG as per Annexure V)		
<b>Technical Qualification</b>			
3.	Cover Letter (Annexure I)		
4.	Bidder's information sheet (Annexure II)		
5.	Enclose copy of Certificate of Incorporation/ Registration Certificate of the firm/ Shop & establishment certificate		
6.	Proof of office (electricity bill/ lease agreement)		
7.	Bidder should submit a certificate from the statutory auditors for last 3 years for positive net worth		
8.	Copy of Certificate from the Statutory auditor / CA clearly specifying the annual turnover for the specified years. For 2018-19, if finally published results are not available, provisional turn over details with CA certificate.		
9.	Copy of Purchase order & undertaking from Shelter OEM for supply of 50 Shelters/portacabin to telecom/IP infrastructure provider in last 5 years		
10.	Manufacturers Authorization form”(MAF) issued by the OEM authorizing the bidder to supply & install the equipments.		
11.	Acknowledgement/ Copies of Income tax refund (ITR) filed for last three financial years i.e. 2016-17, 2017-18, 2018-19		
12.	Copy of Certificate of Registration /Copy of certificate of incorporation / partnership deed (if applicable)		
13.	Copy of valid GST registration		
14.	Copy of valid PAN card		
15.	Undertaking by the bidder for not being barred by any State/ Central Government/PSU (Annexure III)		
<b>Financial Proposal</b>			
16.	Commercials bid (Annexure IV)		



**8.2. Annexure I: Cover Letter**

(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 **Request for Proposal (RFP) For Supply, Installation and Commission of Infrastructure for BharatNet Phase -II\_Gujarat (Reference No: GFG/DST/BharatNet/ Infrastructure /2019/480)**” declare that all the provisions mentioned in the RFP document are acceptable to my Company.

I/We agree for unconditional acceptance of all the terms and conditions set out in the RFP document (and subsequent clarification/corrigendum, if any) document .I/we agree that you are not bound to accept any RFP 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 RFP response.

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:

**8.3. Annexure II: Bidder Information Sheet**

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

S No	Particulars to be provided	Responding Firm's / Company Details to be provided	
<b>Basic details</b>			
	Name of the Bidder		
	Correspondence details of the Bidder:	Corporate Office	Local Office
	Telephone No & Email Address		
	Contact person details (Name, Designation Contact number etc.), to whom all references shall be made regarding this RFP		
	Details of ownership (Name and Address of the Board of Director, Partners etc.)		
	Name of the authorized Signatory who is authorized to sign all the relevant documents		
	Annual Turnover for last three years (INR Lakhs)	2016-17	
		2017-18	
		2018-19	
	Net worth (INR Lakhs)		
	Address of office in Ahmedabad/ Gandhinagar (if any)		
<b>Details for registration under Companies Act, 1956</b>			
	Registration Number of the Bidder in case of company/LLP		
	Place of registration		
	Date of registration		
	Product/service for which firm is Registered		
	Validity Period, if applicable		
<b>Details for registration with appropriate authorities</b>			
	GST registration details (Registration number and details)		
	PAN No		

**Authorized Signatory**

**Seal of the Company**

**Name & Designation**

**Date**

**8.4. Annexure III: Self-declaration -Undertaking of not being barred by any State/ Central Government/PSU**

(To be submitted by agency on their letterheads)

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

Sir,

In response to the **Request for Proposal (RFP) For Supply, Installation and Commission of Infrastructure for BharatNet Phase -II, Gujarat (Reference No: GFG/DST/BharatNet/Infrastructure /2019/480)** as an Owner/Partner/Director of \_\_\_\_\_, I/We hereby declare that presently our Company/Firm \_\_\_\_\_ not have been barred from participating in any tender/ providing services/procurement process or supply of materials by an organization/department/office/ PSU/ board or corporation of either Government of India or any state government.

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:



**8.5. Annexure V: Format for Bank Guarantee for Earnest Money Deposit (EMD)**

To  
.....  
.....  
.....  
.....

Dated:

Whereas ----- (here in after called "the Bidder") has submitted its bid dated ----- in response to the **in Request for Proposal (RFP) For Supply, Installation and Commission of Infrastructure for BharatNet Phase -II, Gujarat (Reference No: GFG/DST/BharatNet/ Infrastructure /2019/480)**”KNOW ALL MEN by these presents that WE --- ----- having our registered office at ----- (hereinafter called "the Bank") are bound unto the \_\_\_\_\_, Gujarat Fibre Grid Network Limited in the sum of ----- for which payment well and truly to be made Gujarat Fibre Grid Network Limited , the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this -----day of ----- -- -----2019.

THE CONDITIONS of this obligation are:

The EMD may be forfeited, In case of a Bidder if:

- 1) The bidder withdraws its bid during the period of bid validity.
  - a. The Bidder does not respond to requests for clarification of their Bid.
  - b. The Bidder fails to co-operate in the Bid evaluation process.
  - c. The bidder, fails to furnish Performance Bank Guarantee in time.
- 2) The bidder fails to Sign the contract in accordance with this RFP
- 3) The bidder is found to be involved in fraudulent and corrupt practices

We undertake to pay to the GFGNL up to the above amount upon receipt of its first written demand, without GFGNL having to substantiate its demand, provided that in its demand GFGNL will specify that the amount claimed by it is due to it owing to the occurrence of any of the above-mentioned conditions, specifying the occurred condition or conditions.

This guarantee will remain valid up to 180 days from the last date of bid submission. The Bank undertakes not to revoke this guarantee during its currency without previous consent of the GFGNL and further agrees that the guarantee herein contained shall continue to be enforceable till the GFGNL discharges this guarantee

The Bank shall not be released of its obligations under these presents by any exercise by the GFGNL of its liability with reference to the matters aforesaid or any of them or by reason or any other acts of omission or commission on the part of the GFGNL or any other indulgence shown by the GFGNL or by any other matter or things.

The Bank also agree that the GFGNL at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor, in the first instance without proceeding against the BIDDER and not withstanding any security or other guarantee that the GFGNL may have in relation to the BIDDER's liabilities.

Dated at \_\_\_\_\_ on this \_\_\_\_\_ day of \_\_\_\_\_ 2019.

Signed and delivered by

\_\_\_\_\_

For & on Behalf of

Name of the Bank & Branch &

Its official Address with seal

Approved Bank: Guarantee issued by following banks will be accepted as SD or EMD on permanent basis

1. All Nationalized banks including the Public sector banks - IDBI Ltd.
2. Private sector banks - AXIS Bank, ICICI Bank and HDFC Bank

**8.6. Annexure VI: Bank Guarantee for Performance Bank Guarantee (PBG)**

(To be typed on non-judicial stamp paper)

In consideration of the \_\_\_\_\_, \_\_\_\_\_ having agreed to exempt \_\_\_\_\_ (hereinafter called 'the said agency') from the demand under the terms & conditions of an agreement/ Advance Work Order No \_\_\_\_\_ dated \_\_\_\_\_ made between \_\_\_\_\_ and \_\_\_\_\_ for the **Request for Proposal (RFP) For Supply, Installation, Commission of Infrastructure for BharatNet Phase -II, Gujarat (Reference No: GFG/DST/BharatNet/ Infrastructure /2019/480)**, hereinafter called "the said Contract", of security deposit for the due fulfilment by the said agency of the terms & conditions contained in the said Contract, on production of the bank guarantee for \_\_\_\_\_ we, (name of the bank) \_\_\_\_\_ ( hereinafter refer to as "the bank") at the request of \_\_\_\_\_ (agency) do hereby undertake to pay to the State/SIA an amount not exceeding \_\_\_\_\_ against any loss or damage caused to or suffered or would be caused to or suffered by GFGNL by reason of any breach by the said agency of any of the terms & conditions contained in the said Contract.

We (name of the bank) \_\_\_\_\_ do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the State/SIA by reason of breach by the said agency' of any of the terms & conditions contained in the said Contract or by reason of the agency' failure to perform the said Contract. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee where the decision of State/SIA in these counts shall be final and binding on the bank. However, our liability under this guarantee shall be restricted to an amount not exceeding \_\_\_\_\_.

We undertake to pay to the GFGNL any money so demanded notwithstanding any dispute or disputes raised by the agency in any suit or proceeding pending before any court or tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the agency shall have no claim against us for making such payment.

We (name of the bank) \_\_\_\_\_ further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract and that it shall continue to be enforceable till all the dues of the State/SIA under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged or till GFGNL certifies that the terms & conditions of the said Contract have been fully or properly carried out by the said agency and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before \_\_\_\_\_ (expiry date of PBG) \_\_\_\_\_ (as specified in Work Order) from the date hereof, we shall be discharged from all liabilities under this guarantee thereafter.

We (name of the bank) \_\_\_\_\_ further agree with the GFGNL that the State/SIA shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms & conditions of the said Contractor to extend time of performance by the said agency from time to time or to postpone for any time or from time to time any of

the powers exercisable by the GFGNL against the said agency and to forbear or enforce any of the terms & conditions relating to the said Contract and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said agency or for any forbearance, act or omission on the part of the GFGNL or any indulgence by the GFGNL to the said agency or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

This guarantee shall not be discharged due to the change in the constitution of the Bank or the agency.

We (name of the bank) \_\_\_\_\_ lastly undertake not to revoke this guarantee during its currency except with the previous consent of the GFGNL in writing.

Place: .....

Date: .....

(Signature of the Bank Officer)

Rubber stamp of the bank:

Authorized Power of Attorney Number: .....

Name of the Bank officer: .....

Designation: .....

Complete Postal address of Bank: .....

Telephone Numbers .....

Fax numbers.....

**Approved Bank:** Guarantee issued by following banks will be accepted as SD or EMD on permanent basis

1. All Nationalized banks including the Public sector banks - IDBI Ltd.
2. Private sector banks - AXIS Bank, ICICI Bank and HDFC Bank

**8.7. Annexure VII : Financial Bid Format****Table 1.1 :**

Sr. No.	Item Description	UOM	QTY	Make & Model Number	Unit Rate (INR) (exclusive of tax)
			(A)		(B)
1.	Supply, installation, testing & commissioning of Porta cabin with all accessories Type 1 : Length –3 Meter, Width – 3 Meter, Height – 2.7 Meter	Nos.	50		
2.	Supply, installation, testing & commissioning of Porta cabin with all accessories Type 2 : Length – 2 Meter , Width – 2.5 Meter , Height –2.7 Meter	Nos.	50		
3.	Supply, installation, testing & commissioning of Switch Mode Power Supply (SMPS) without rectifier modules with 5 years onsite warranty.	Nos.	100		
4.	Rectifier modules of 50 Amp capacity with 3 years warranty	Nos.	300		
5.	Supply, installation, testing & commissioning of 1 set of 400 AH VRLA(SMF) Battery bank with 3 years onsite replacement warranty	Nos.	80		
6.	Supply, installation, testing & commissioning of 1 set of 600 AH VRLA(SMF) Battery bank with 3 years onsite replacement warranty	Nos.	20		
7.	Supply, installation, testing & commissioning of Air Conditioner (AC) (1+1 twin circuit )with 5 years onsite warranty	Nos.	100		
8.	Services - Civil work required to fix porta cabin	Nos.	100		
9.	Services - Electrical work along with supply of electrical cables and consumables.	Nos.	100		
10.	Services – Construction of earthing pits including supply of all required material and consumables	Nos.	400		

**Table 1.2:**

Sr. No.	Item Description	UOM	QTY	Infrastructure site type	Unit Rate (INR) (exclusive of tax)	Total (INR)	Taxes, duties applicable (in %)
			(A)		(B)	(C=A*B)	(D)
1.	Supply, installation, testing & commissioning of Porta cabin /Shelter Type 1 : Length –3 Meter, Width – 3 Meter, Height – 2.7 Meter with all accessories, infrastructure equipments and Battery of 400AH	Nos.	40	Type A			
2.	Supply, installation, testing & commissioning of Porta cabin /Shelter Type 1 : Length –3 Meter, Width – 3 Meter, Height – 2.7 Meter with all accessories, infrastructure equipments and Battery of 600AH	Nos.	10	Type B			
3.	Supply, installation, testing & commissioning of Porta cabin /Shelter Type 1 : Length –2 Meter, Width – 2.5 Meter, Height – 2.7 Meter with all accessories, infrastructure equipments and Battery of 400AH	Nos.	40	Type C			
4.	Supply, installation, testing & commissioning of Porta cabin /Shelter Type 1 : Length –2 Meter, Width – 2.5 Meter, Height – 2.7 Meter with all accessories, infrastructure equipments and Battery of 600AH	Nos.	10	Type D			
Total(C1)							