

Request for Proposal (RFP) for Selection of Project Implementation Agency (PIA) for Various Connectivity through BharatNet Network

Corrigendum – II

Request for Proposal (RFP) for Selection of Project Implementation Agency (PIA) for Various Connectivity through BharatNet Network

Reference No: GFG/DST/BharatNet/Connectivity through Bharatnet/2021/642

21st December 2021



Issued By:

Gujarat Fibre Grid Network Limited (GFGNL)
A Government of Gujarat Company
Block No: 1, 8th Floor, Udyog Bhavan, Sector-11, Gandhinagar: 382010

Request for Proposal (RFP) for Selection of Project Implementation Agency (PIA) for Various Connectivity through BharatNet Network

Corrigendum

The Bidders are requested to take note of the following changes made in the RFP document, which are to be considered while submitting the RFP response. They shall be presumed to have done so and submitted the RFP response / bid accordingly.

- This Corrigendum shall be the part of the RFP documents / process.
- All items specified in this Corrigendum supersede relevant items to that effect as provided in the original RFP documents. All other specifications, terms and conditions of the original RFP document shall remain unchanged.
- Text with strikethrough means it is deleted.
- All items specified in **“Revised Clause”** section of this Corrigendum supersede relevant items (if any) specified in **“Response to Pre-Bid Queries”** section of this Corrigendum in case of any mismatch of details.

Response to Pre-Bid Queries:

Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
1		General			we could not find your detail specification required for UPS system. So we request you to share the following details for enable us for participate : · 1kVA UPS detail specification · Load details to be connected with UPS · Backup requirement for UPS	Please refer corrigendum.

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
2	4	Eligibility Criteria	15		Pl minimise Experience >=50 Links	Please refer corrigendum.
3	4	Eligibility Criteria	16		Pl minimise Experience >=100 CPEs	No Change
4		Eligibility Criteria	15		As per RFP Major scope is relevent to OSP fiber work , so need to rectify eligibility critea for healy competetion i.e. Increase Fiber work & Fiber O&M work experience and remove UBR & CPEs experience.	No Change
5		General			Required experience in RFP is only eligible for major Telco and ISP only ,end of the day all big company doing sub contacting for this work	Please refer corrigendum.
6		General			Pl carify Sub contacting is eleigible or not.	Please refer corrigendum.
7		General			Clarify O&M after completion of work	Please refer RFP clauses - B1, 2.1.7, 2.1.8, 2.2.1.12, 2.2.3.6, 8 and 9.4.
8	8	Annexure – I : Bid Document checklist	38	PO copy for successful execution of minimum 50 Internet Links for government	Need to Remove this clouse , as limited agency is working with Govt. Authority , so that no healy competion in this tender.	Please refer corrigendum for revised bid document checklist.

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9	4	Eligibility Criteria	14	The Lead Bidder and Consortium member must be registered in India under Companies Act 1956 or 2013 at least for 3 years as on 31/03/2021.	We are a proprietorship firm. Please ammend the clause as below : The Lead Bidder and Consortium member must be registered in India under Companies Act 1956 or 2013/Proprietor/Partnership firm and should be in existence at least for 3 years as on 31/03/2021	No Change
10	4	Eligibility Criteria	17	Bidder is allowed to make a consortium with only one other bidder	Please ammend the clause as below : Bidder is allowed to make a consortium with two other bidder	No Change
11	4/4.2	Eligibility Criteria	15	Experience of installation, configuration, Testing, Commissioning & Maintenance of wireless links.	Request for exclusion from eligibility criteria	No Change
12	Annexure – X : Technical Specifications	Technical Specifications : 6U wall mounted rack	54	Parameters :Minimum Specifications	Recommended 6u x 600 x 500mm wall mounted is recommended with front glass door and Rear cover . Side panels openable with lock and key	Front side ventilation / glass door is acceptable with lock & key. Other RFP clauses related to "6U wall mounted rack" remains unchanged. However, please refer RFP clause - 3.4 which clearly mentions that GFGNL discourages fresh installation of 6U rack at GP location.

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13	Annexure – X : Technical Specifications	Technical Specifications : 6U wall mounted rack	54	Size:19 inch rack of 6U usable space	6u usable area is recommended . It is to be ensured that cooling fans and PDU will not consume any usable area	Agreed
14	Annexure – X : Technical Specifications	Technical Specifications : 6U wall mounted rack	54	Material of construction: Corrosion proof steel cabinet	Marine grade powder coating is recommended due to saline environment	No change
15	Annexure – X : Technical Specifications	Technical Specifications : 6U wall mounted rack	54	Others: To be provided with minimum one fan (Should have sufficient perforation for ventilation of air), power strip (with min. 5 no. 5A socket), cable manager & min 1 no. equipment sliding tray Rack should be vented at both sides, front, top and bottom for proper ventilation of air	Equipment tray is always fixed and not sliding .	Agreed
16	Annexure – X : Technical Specifications	Technical Specifications : UPS	57 of 57	UPS ..as per GFGNL specs	We request you to share the specificaiton of UPS System. We recomond for ONLINE UPS Systems. Specification attached for your ready reference.	Please refer corrigendum.

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17	Clause. 4.2.8	Eligibility Criteria	16 of 57	Copy of valid Technical Specification Evaluation Certificate (TSEC)/ Type Approval Certificate /AT certificate or copy of Application for fresh TSEC/TAC/AT certificate as applicable from each OEM whose products are being quoted by the Bidder.	TSEC/TAC/AT certification for UPS & Stabilizer is not available with any major Manufacturers. Hence, this may be excluded from TSEC/TAC/AT Certification. This clause was removed in many other Bharatnet projects in the past due to this reason. Manufacturer having credential/reference installation in Bharatnet can be considered with their existing type test report or NABL or Govt Approved Laboratory lab certification .	Please refer corrigendum.
18	4. Eligibility Criteria	Eligibility Criteria	14	The Lead Bidder's Average Annual Turnover & Net worth must be as per below during last 3 years. (Purely from Telecom service business)	We M/s Tera Software Limited are System Integrators and are doing FiberGrid projects from the year 2015 onwards. Can the turnover from FiberGrid projects be considered as Telecom service business turnover as these FiberGrids are extensively used by the Depts and other stakeholders to provide voice / internet / television / networking / data services which are part of telecom services. Please confirm on the same to enable us to participate in the bid.	No Change

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19	4. Eligibility Criteria	Eligibility Criteria	15	<p>The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of wireless links (licensed or unlicensed band radio) as per below in last 3 years as on bid submission date.</p> <p>Bidder's participating in Experience</p> <p>1 zone >= 200 links 2 zones >= 400 links 3 zones >= 600 links 4 zones >= 800 links</p>	We request the Dept to remove this clause from eligibility criteria to allow maximum participation of bidders against this RFP.	Please refer corrigendum.

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20	Annexure – X	Technical Specifications P2P & P2MP unlicensed radio	53	Distance support: Up to 10 Km	<p>In case of Point-to-multipoint kind of a setup, where the master end radio has sector antenna of 60/90/120 degrees, distance requirement of 10Km is not practical. While planning the network the operator also has to ensure not to violate WPC limits of radiated transmit power, which is 53dBm EIRP. While abiding by WPC limits, such distances are possible with a narrow beam on dish antenna, but not with sector antennas used in master PTMP device. Typically an ideal PTMP solution works maximum 4-5 Kms depending upon the interference in the atmosphere. Hence, we request you to kindly amend the clause to following</p> <p>Distance support: P2P-Up to 10 Km P2MP-Up to 5 Km</p>	Agreed

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21	Annexure – X	Technical Specifications P2P & P2MP unlicensed radio	53	Ports: 1 x 10/100/1000BaseT Ethernet & 1 x 10/100 Base-Tx (RJ-45)	<p>Since the throughput requirement is of 100Mbps, one 1Gig ethernet port will be sufficient to cater the needs, hence request to amend the clause to one ethernet port. Asking for additional fast ethernet port will make the solution unnecessarily expensive, without sufficing any additional use case.</p> <p>Hence, requesting you to kindly remove the additional 10/100 Base-Tx port.</p>	No change
22	2. Scope of Work (SoW) for the bidder;	2.Scope of Work (SoW) for the bidder.	10	<p>All the customer locations falling in any particular block boundary will be served by the selected bidder to whom the block is awarded. Selected bidder can serve the customer location from the nearest Gram Panchayat (GP) location even if the nearest GP is falling in neighboring block / district which may have been allotted to other selected bidder.</p>	<p>Request the department to remove this clause so as to keep specific boundary between the different bidders scope. Since different bidder deploy different approach and can result in mis-management of the project.</p>	No change

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23	3. Scope of Work (SoW) for GFGNL; 3.2. To implement & maintain BharatNet GPON Network up to Gram Panchayat.	3.Scope of Work (SoW) for GFGNL	14	GFGNL will provide space to install one 6U wall mount rack (if required) at GP location. GFGNL will also facilitate for fibre cable entry inside GP building. Bidders are requested to note that GFGNL discourages fresh installation of 6U rack at GP location. Bidders will have to analyze the space availability inside GFGNL's rack which is already available at GP location during survey & will have to make all the efforts to install new equipment for customer connectivity into existing rack. Only in case of technical non-feasibility, GFGNL will allow bidders to install new 6U rack.	Request the department to provide the details of the availability of the Racks at all GPs, as this will help in preparing proper operational plan and estimation of financial bid.	GFGNL has already installed wall mount 12U Network Rack at GP location under BharatNet Phase - II Project. We expect bidders to field visit to have first hand feel of the installation.
24	7. Implementation timeline and penalties/Point No.6	7.Implementation timeline and penalties	34	5. Maximum penalty ceiling (milestone – 2 + milestone – 4 penalty) for any particular intimation order shall be equal to 20% of the total capex value derived for all the feasible sites / locations from site survey report.	Request the department to amend this as: " Maximum penalty ceiling (milestone – 2 + milestone – 4 penalty) for any particular intimation order shall be equal to 10% of the total capex value derived for all the feasible sites / locations from site survey report."	No change

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25	8. O&M SLA & Penalties/Point No. 8.4	8.O&M SLA & Penalties	36	Selected bidder(s) will have to deploy minimum 2 suitable manpower resources per zone (resource must have >=3 years of total telecom experience) in GFGNL's office / NOC.	Reques the department to expand on the work experience required for the resources so as to ascertain the Financial Cost.	Please refer corrigendum.
26	B 2	B.Notice Inviting Proposal and Necessary Instruction	3	Tender Submission Cost - Rs 15,000/- in form of Demand Draft	Please clarify that Tender Submission Cost is Total Rs 15,000/- in form of Demand Draft irrespective of Zones being participated by the bidder. Or bidder has to submit separate 4 (four) Demand Draft each of Rs 15,000/- for each zone to participate in tender.	Tender submission cost is Total Rs 15,000/- in form of Demand Draft irrespective of Zones being participated by the bidder.
27	D b (vii)	D.Proposal/ Bid Submission & Evaluation	5	Original Bank Guarantee and / or Demand Draft for EMD and Tender fee must be submitted in sealed envelope before due date and Time for Submissions of Bids	Please confirm OFFLINE documents for submission are only as under:- 1. Tender Fee (DD) 2. EMD (in DD or Bank Guarantee)	Yes
28	2.1.6	2.Scope of Work (SoW) for the bidder.	10	Selected bidder will have to supply EMS (Element Management System) for each active components like radios, router, switch, optical	Kindly add in to SOR line item.	No change

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29	2.1.6	2.Scope of Work (SoW) for the bidder.	10	Selected bidder will have to supply EMS (Element Management System) for each active components like radios, router, switch, optical	Please share Specification for required EMS	EMS for radio, router & switch is required so that required alarms can be monitored to know the up / down status of the equipment. GFGNL's functional requirement is that the NOC official must be able to check if the radio, router & switch (as the case may be) is reachable or not when customer raises the complain. EMS providing this minimum functionality is acceptable.
30	2.1.6	2.Scope of Work (SoW) for the bidder.	10	Selected bidder will have to supply EMS (Element Management System) for each active components like radios, router, switch, optical	We assume that bidder has to propose Application only, required HW infrastructure will be provided by purchaser. Please confirm.	Agreed, GFGNL will provide IT infrastructure of compute (VMs), memory (RAM) & storage. GFGNL has vSphere virtualization platform. Bidder & its OEM must ensure that their proposed EMS product is compatible with this environment. Supply of any guest Operating System (required if any for EMS application) will be in bidder's scope.

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31	2.2.3.3	2.Scope of Work (SoW) for the bidder.	12	Selected bidder will have to comply to all rules & regulations of DoT/ TRAI/Gol/WPC/SACFA/any other statutory body for wireless links.	<p>Please clarify:-</p> <ol style="list-style-type: none"> 1. Bidder does not have to take any necessary licenses from DOT/ TRAI/WPC/Gol for extending such services. 2. Please share details of applicable rules & regulations for wireless links. 3. Cost if any towards licensing fees etc shall be borne by GFGNL. 	<ol style="list-style-type: none"> 1. Bidder will have to comply to all rules & regulations and guidelines of DoT/ TRAI/Gol/WPC/SACFA/any other statutory body as per law of land for wireless links. Bidder will have to do all process related formalities like preparing & submitting required applications, liasoning & follow up with concerned departments etc. to get the required approvals / license on the name of GFGNL. 2. Bidder & its OEM has to comply to all applicable rules & regulations. 3. Yes, applicable fees will be reimbursed / paid by GFGNL as per contemporary circumstances.
32	4.2	Eligibility Criteria	14	Bidder is allowed to make a consortium	Please confirm total member's allowed in a consortium including lead bidder.	Please refer RPF Clause no. - 4 > Note - 2 > sr. no. - 1.

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33	4.2 (Table Sno.4)	Eligibility Criteria	15	<p>The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of wireless links (licensed or unlicensed band radio) as per below in last 3 years as on bid submission date.</p> <p>Bidder's participating in Experience</p> <table> <tr> <td>1 zone</td> <td>>=200 links</td> </tr> <tr> <td>2zone</td> <td>>=400links</td> </tr> <tr> <td>3 zone</td> <td>>=600links</td> </tr> <tr> <td>4 zone</td> <td>>=800links</td> </tr> </table>	1 zone	>=200 links	2zone	>=400links	3 zone	>=600links	4 zone	>=800links	<p>We request you to kindly consider & accept the following: The Lead bidder or Consortium member or OEM must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of wireless links (licensed or unlicensed band radio) as per below in last 3 years as on bid submission date.</p> <p>Bidder's participating in Experience</p> <table> <tr> <td>1 zone</td> <td>>=200 links</td> </tr> <tr> <td>2zone</td> <td>>=400links</td> </tr> <tr> <td>3 zone</td> <td>>=600links</td> </tr> <tr> <td>4 zone</td> <td>>=800links</td> </tr> </table>	1 zone	>=200 links	2zone	>=400links	3 zone	>=600links	4 zone	>=800links	Please refer corrigendum.
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35	4.2 (Table Sno.5)	Eligibility Criteria	16	<p>The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of customer premise equipment as per below in last 3 years as on bid submission date.</p> <p>Bidder's participating in Experience</p> <p>1 zone >=300 CPE's</p> <p>2zone >= 600 CPE's</p> <p>3 zone >= 900 CPE's</p> <p>4 zone >= 1200 CPE's</p>	<p>We request you to kindly consider & accept the following: The Lead bidder or Consortium member or OEM must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of customer premise equipment as per below in last 3 years as on bid submission date.</p> <p>Bidder's participating in Experience</p> <p>1 zone >=300 CPE's</p> <p>2zone >= 600 CPE's</p> <p>3 zone >= 900 CPE's</p> <p>4 zone >= 1200 CPE's</p>	Please refer corrigendum.

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36	4.2 (Table Sno.5)	Eligibility Criteria	16	<p>The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of customer premise equipment as per below in last 3 years as on bid submission date.</p> <p>Bidder's participating in Experience</p> <p>1 zone >=300 CPE's</p> <p>2zone >= 600 CPE's</p> <p>3 zone >= 900 CPE's</p> <p>4 zone >= 1200 CPE's</p>	<p>We request you to kindly consider & accept the following:</p> <p>The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of ONU/ONT customer premise equipment as per below in last 3 years as on bid submission date.</p> <p>Bidder's participating in Experience</p> <p>1 zone >=300 CPE's</p> <p>2zone >= 600 CPE's</p> <p>3 zone >= 900 CPE's</p> <p>4 zone >= 1200 CPE's</p>	<p>Installation experience of Router, switch, ONU/ONT, Wi-Fi AP, DSLAM, modem including any other suitable devise as per discretion of GFGNL will be considered.</p>
37	4.2 (Table Sno.7)	Eligibility Criteria	16	<p>The Lead bidder and Consortium member must not have been blacklisted / banned / ----- in India for supply of materials/ carrying out Operations and maintenance work of similar nature.</p> <p>An undertaking by an</p>	<p>Please provide format for undertaking.</p> <p>Please confirm the same is to be provided on letter head duly signed by authorised signatory.</p>	<p>Please refer RFP Annexure - VI.</p>

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				authorized signatory of the company needs to be submitted in this regard		
38	4.2 (Table Sno.8)	Eligibility Criteria	16	The Lead Bidder should submit valid letter from each of the OEM (one and only one OEM for each component) Authorization letters / MAF (as per Annexure) from OEM/Vendors whose products are being quoted by the Bidder (only applicable to OFC, duct, radio, rack, media converter, router, switch & voltage stabilizer)	Please provide format for MAF.	Please refer RFP Annexure - VIII.
39	4.2 (Table Sno.8)	Eligibility Criteria	16	The Lead Bidder should submit valid letter from each of the OEM (one and only one OEM for each component) - confirming the following: OEM shall - ----- ----- performance of the solution in any manner whatsoever. Copy of valid Technical Specification Evaluation Certificate (TSEC) / Type Approval Certificate / AT	Please specify the applicable technical specifications for Optic Fiber Cables.	Please refer RFP Annexure - X.

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				certificate or copy of Application for fresh TSEC/TAC/AT certificate as applicable from each OEM whose products are being quoted by the Bidder.		
40	4.2 (Table Sno.8)	Eligibility Criteria	16	<p>The Lead Bidder should submit valid letter from each of the OEM (one and only one OEM for each component) - confirming the following: OEM shall - ----- ----- performance of the solution in any manner whatsoever.</p> <p>Copy of valid Technical Specification Evaluation Certificate (TSEC) / Type Approval Certificate / AT certificate or copy of Application for fresh TSEC/TAC/AT certificate as applicable from each OEM whose products are being quoted by the Bidder.</p>	We request to kindly consider tender specifications compliance to be given by bidder & OEM on letter head for all materials on their letter head be acceptable by GFGNL for all material supplies.	Bidder has to submit compliance to technical specifications on OEM's letter head.
41	5.2	5.Selection criteria & allotment of work	18	Bidder can submit bid(s) for as many zones as they want, but any successful bidder will be selected only for 2 zones. If any bidder wins in more	Please inform the parameter on which GFGNL will decide 2 zone allotment to successful bidder.	Please refer corrigendum.

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				than 2 zones, GFGNL will decide any 2 zones where successful bidder will be allotted work.		
42	5.2	5.Selection criteria & allotment of work	18	Bidder can submit bid(s) for as many zones as they want, but any successful bidder will be selected only for 2 zones. If any bidder wins in more than 2 zones, GFGNL will decide any 2 zones where successful bidder will be allotted work.	Please allow all bidders to give there preferences for each zone priority wise. It would be helpful for GFGNL to decide later if a bidder wins more than 2 zones to decide award of 2 zones to such L1 bidder. Kindly clarify	Please refer corrigendum.
43	9	9.Payment Schedule	36	Capex payment: 9.1. Selected bidder will be allowed to submit 1 bill every fortnight. Bidder will add all those locations in the bill for which WCC (work completion certificate) is signed by end customer.	Please accept WCC (Work Completion Certificate) signed by GFGNL authorised representative.	Agreed

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44	9	9.Payment Schedule	36	<p>Capex payment:</p> <p>9.1. Selected bidder will be allowed to submit 1 bill every fortnight. Bidder will add all those locations in the bill for which WCC (work completion certificate) is signed by end customer.</p> <p>9.2. GFGNL will make payment of the bill within 1 month once all required documents are submitted by the bidder along with bill to the satisfaction of GFGNL. GFGNL will make payment after deduction of any applicable penalties.</p>	<p>Please consider payment schedule as under:-</p> <p>1. Supply items as per SOR shall be paid 100% within 30days of supply completion.</p> <p>2. For services component for Installation & Commissioning activities on prorata basis as per milestones achieved.</p>	No change

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45	Annexure - X	Technical Specifications: 2F/4F/6F/8F/12F/24F Optical Fiber Cable	52	<p>2F / 4F / 6F / 8F / 12F / 24F Optical Fibre Cabel Parameters Minimum Specifications Fibre count 2F / 4F / 6F / 8F / 12F / 24F Standard ITU-T-G.657.A2 Cable construction Loose tube with jelly compound Water swellable tape / yarn Jacket Material HDPE Strength member FRP Application Cable must be suitable for outdoor as well as indoor applications. Cable must be suitable for machine blowing as well as manual pulling in duct in case of UG application. Cable must be suitable for UG as well as aerial installation.</p>	<p>We request to kindly clarify the following:-</p> <ol style="list-style-type: none"> Please consider Fiber Type : G.657A1 instead of G.657A2. The same is also suitable for last mile connectivity application. And overall is also economical & suitable for such applications. Since majorly Over Head installation is to be done: We would like to inform that BSNL deploys FTTH Cable for overhead application and last mile connectivity as per their specifications for last mile FTTH connectivity. It is requested to consider TEC specifications NWP-Broadband cell, BSNL CO letter No. 32-64/2013-NWP-BB/FTTH dated 09.12.2013 & addendum dtd.13.01.2014 for supply of OFC cables. <p>Please confirm.</p>	<ol style="list-style-type: none"> G.657.A1 cable will be accepted. For UG application, bidder can also supply G.652D metal free cable complying to minimum technical specification of the RFP. Aerial OFC must be compliant to TEC/GR/TX/OFC-026/01/APR-18 or TEC/GR/TX/OFC-024/01/MAR-15 with latest amendments if any. Bidder should have valid Type Approval Certificate (TAC) from Telecom Engineering Centre (TEC)/ WPC, New Delhi or Technical Specification Evaluation Certificate (TSEC) from Quality Assurance Circle, BSNL, Bengaluru, against the respective technical specifications of this RFP. In case any of the quoted models does not have TAC/ TSEC then it should be applied for TSEC to Quality Assurance Circle, BSNL,

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						<p>Bengaluru or to TEC/WPC, New Delhi for the model against the technical specifications, at least one day before the bid submission date. The registration number allotted for the TSEC purpose by Quality Assurance Circle, BSNL, Bengaluru or for TAC purpose by TEC/WPC, New Delhi shall be submitted along with the bid. However, only type approved/TSEC approved products as per above specifications shall be accepted which shall have to be obtained before supply.</p>

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46	Annexure - VII Cat 5	Annexure – VII : Financial Bid Format	48	Outdoor Cat 5 cable including required accessories, connector etc. Indoor Cat 5 cable including required accessories, connector etc.	The usage of CAT 5 cables deployment is now majorly obsolete. Hence it is requested to consider CAT 6 A cable which are widely deployed and used for outdoor & indoor applications. We request to kindly consider amendment to CAT 6A cable, connectors & accessories for both indoor & outdoor requirements. Please confirm	Please refer corrigendum.
47	Annexure – X : Technical Specifications	Technical Specifications : 6U wall mounted rack	54	Minimum Specifications	Please provide width & depth for the 6U wall mounted rack. Kindly clarify.	Bidder will have to supply 19 inch rack of 6U usable space with minimum depth of 450 mm. Bidder will have to ensure that all the quoted equipment & accessories must fit properly in the supplied rack.
48	Annexure – X : Technical Specifications	Technical Specifications : 6U wall mounted rack	54	To be provided with minimum one fan (Should have sufficient perforation for ventilation of air), power strip (with min. 5 no. 5A socket), cable manager & min 1 no. equipment sliding tray	Equipment tray is always fixed and not sliding. Kindly amend the description as below: To be provided with minimum one fan (Should have sufficient perforation for ventilation of air), power strip (with min. 5 no. 5A socket), cable manager & min 1	As per answer provided against sr. no. - 15.

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
					no. equipment FIXED tray. Please confirm	
49	Annexure – X	Technical Specifications : UPS	57	UPS ..as per GFGNL specs	Please share UPS Specification alongwith Battery Backup requirement.	Please refer corrigendum.
50	Annexure – X	Technical Specifications : UPS	57	New Clause	Please clarify & confirm the following:- Since UPS batteries are an accessories, we request you to mention battery warranty terms as - Battery should be replaced after 3 years of installation and installed new battery should have minimum 2 years warranty. Kindly add the clause in the UPS specifications to be given.	Agreed, UPS battery should be replaced after 3 years of installation and installed new battery should have minimum 3 years warranty. Please refer corrigendum for specification.
51	Annexure – X	Technical Specifications P2P & P2MP unlicensed radio	NA	Point to Point UBR radio set, Base Station site, Remote Station Site.	Please share Specification	No change, minimum specifications are already provided.
52	NA	General	NA	Query	As per our understanding, this RFP is to extend horizontal connectivity from Block/ GP to various government ofiices. The outage due to uplink OR Block OR GP should be consider for waiver. Please clarify	Yes, the outage due to uplink OR Block OR GP will be considered for waiver. Also please refer RFP cause - 3.2.

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53	B. Notice Inviting Proposal and Necessary Instruction/2. Tender submission Cost	B.Notice Inviting Proposal and Necessary Instruction	3	Rs. 15,000 /- (Rs. Fifteen Thousand 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.	We understand we need to submit Rs 15,000/- towards Tender submission cost irrespective of any number of zones we quote. Please confirm.	As per answer provided against sr. no. - 26.
54	Annexure-I/ Sr. No 7	Annexure – I : Bid Document checklist	37	Copy of Class A/B/C ISP & NLD/Access Service license	We request to consider Infrastructure Provider category-I (IP-I) registration certificate also.	As per answer provided against sr. no. - 8.
55	4. Eligibility Criteria/Serial No 5	Eligibility Criteria	16	The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of customer premise equipment (CPE) as per below in last 3 years as on bid submission date.	We understand you will consider CCTV, Wifi,DSLAMs etc. under CPE. Please confirm.	As per answer provided against sr. no. - 36.
56	4. Eligibility Criteria/Serial No 5	Eligibility Criteria	16	The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of customer premise equipment (CPE) as per below in last 3 years as on bid submission date.	We request to increase the timeline in last 10 years. Please consider.	Please refer corrigendum.

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57	4. Eligibility Criteria/Serial No 3, 4 and 5	Eligibility Criteria	15-16	(Work order / Purchase order / Contract) And Work Completion Certificate Note – 1: Bidder will have to produce necessary supporting documents other than mentioned above to clearly prove completion of work in last 3 years. Note – 2: Bidder can submit separate documents for Project and O&M experience.	We understand the projects which are currently under Operations and Maintenance phase shall be considered. Please confirm.	Yes. Also the work which will be mentioned by bidders to prove Maintenance experience against sr. no. 3, 4 & 5 in clause - 4 (Eligibility Criteria) could have been executed earlier than 5 years as on bid submission date provided O&M work must be going on / ended in last 5 years as on bid submission date.
58	4. Eligibility Criteria/Serial No 3, 4 and 5	Eligibility Criteria	15-16	The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of wireless links (licensed or unlicensed band radio) as per below in last 3 years as on bid submission date. The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of customer premise equipment (CPE) as	We request to modify the clause as: 4. The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of wireless links (licensed or unlicensed band radio) as per below in last 3 years as on bid submission date. OR The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning &	No Change

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
				per below in last 3 years as on bid submission date.	Maintenance of customer premise equipment (CPE) as per below in last 3 years as on bid submission date.	
59	Clause 9	9.Payment Schedule	36	<p>9.1. Selected bidder will be allowed to submit 1 bill every fortnight. Bidder will add all those locations in the bill for which WCC (work completion certificate) is signed by end customer.</p> <p>9.2. GFGNL will make payment of the bill within 1 month once all required documents are submitted by the bidder along with bill to the satisfaction of GFGNL. GFGNL will make payment after deduction of any applicable penalties</p>	<p>As Understood from the Clause that complete payment including material and Services will be released on Completion/Certification of the Work. In the Interest of the project and maintain Liquidity for execution ,we suggests the following Payment terms :-</p> <p>1.Mobilisation Advance 20 % of Contract Value</p> <p>2.Material Payment - 70% Payment on Material Delivery and balance 10% on Completion of Site.</p> <p>3.Services Payment :- 80% Payment on Completion/Certification of Site</p>	No change
60	2. Scope of Work (SoW) for the bidder/2.2.2 Aerial drop OFC installation	2.Scope of Work (SoW) for the bidder.	12	2.2.2.1 Selected bidder will have to install drop fibre aerial cable on existing pole / new pole / suitable structure as per requirement of field and instruction of GFGNL official / any other designated official.	Kindly confirm the span length between Two Existing Poles	Selected bidder will install poles as per field requirement in consultation with OFC OEM's technical guidelines and instructions from GFGNL's official. All the material installed in field as

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
						per technical requirements will be certified and paid to selected bidders.
61	2. Scope of Work (SoW) for the bidder/2.2.2 Aerial drop OFC installation	2.Scope of Work (SoW) for the bidder.	12	2.2.2.1 Selected bidder will have to install drop fibre aerial cable on existing pole / new pole / suitable structure as per requirement of field and instruction of GFGNL official / any other designated official.	Kindly confirm installation Assecaies for Aerial Installation VIZ Helix Type-1 , Helix Type-2 or Wedge Type	Bidder will have to use aerial drop cable installation accessories like Anchoring (Dead End) Assembly, Suspension Clamp Assembly, Adjustable Cable Storage Bracket, Stainless Steel Strap with Buckle etc. as mentioned in TEC GR : TEC/GR/TX/OFC-024/01/MAR-15 and as per field requirement & instruction of GFGNL official.
62	2. Scope of Work (SoW) for the bidder/2.2.2 Aerial drop OFC installation	2.Scope of Work (SoW) for the bidder.	12	2.2.2.1 Selected bidder will have to install drop fibre aerial cable on existing pole / new pole / suitable structure as per requirement of field and instruction of GFGNL official / any other designated official.	Kindly share the details specification of Cassette Joint closure for aerail Cable jointing for 2F,4F,6F,8F & 12F cable. Also request you to include the same in Annexure – VII : Financial Bid Format	Joint closures & Compass (WSC) should be of industry grade & acceptable to GFGNL site in-charge.

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63	2. Scope of Work (SoW) for the bidder/2.2.2 Aerial drop OFC installation	2.Scope of Work (SoW) for the bidder.	12	2.2.2.3 Selected bidder shall keep aprx. total 10 mtr loop on each pole as per field feasibility.	Kindly Reconfirm the loop Length on each pole .Ideal Cable Loop must be on 5th pole	This will be decided by GFGNL official as per field requirement.
64	Annexure -VII : Financial BID Format /A . Services - Passive Infrastructure for underground OFC laying	Annexure – VII : Financial Bid Format	45	Installation of MH / HH	Request to Share the placement criteria of MH/HH	Generally, MH / HH will be installed at every 250 Mtr including at road crossing, sharp turn, at customer premise as zero MH etc. This will be decided by GFGNL official as per field requirement. All the material installed in field as per technical requirements will be certified and paid to selected bidders.
65	Annexure -VII : Financial BID Format /A . Services - Passive Infrastructure for underground OFC laying	Annexure – VII : Financial Bid Format	45	Installation of route indicator	Request to Share the distance between Two route marker or placement criteria	Generally, route marker will be installed at every 250 Mtr. This will be decided by GFGNL official as per field requirement. All the material installed in field as per technical requirements will be certified and paid to selected bidders.

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
66	Annexure -VII : Financial BID Format /A . Services - Passive Infrastructure for underground OFC laying	Annexure – VII : Financial Bid Format	45	Installation of route indicator	Request to Share the route Indicator Specification	Please refer RFP Annexure - X.
67	Annexure -VII : Financial BID Format /A . Services - Passive Infrastructure for underground OFC laying	Annexure – VII : Financial Bid Format	45	Installation of MH / HH	Request to Include Joint closure in Annexure – VII : Financial Bid Format for 24F OFC	No change
68	Annexure -VII : Financial BID Format /A . Services - Passive Infrastructure for underground OFC laying	Annexure – VII : Financial Bid Format	45	Installation of MH / HH	Request to Share the Joint Closure Specification for jointing of 24F OFC	As per answer provided against sr. no. - 62.

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69	Annexure -VII : Financial BID Format /A . Services - Passive Infrastructure for underground OFC laying	Annexure – VII : Financial Bid Format	46	Installation Installation of compass (WSC) for fibre termination including splicing of up to 8 fibre cores with pigtailed and acceptance testing	Request to Share the Compass (WSC) detail Specification	As per answer provided against sr. no. - 62.
70	2. Scope of Work (SoW) for the bidder	2.Scope of Work (SoW) for the bidder.	47	65mm DWC pipe	Kindly Share the details specification of 65mm DWC pipe	DWC must be compliant to TEC GR no.GR/DWC-34/01 Sep.2007 with latest amendments if any. Bidder should have valid Type Approval Certificate (TAC) from Telecom Engineering Centre (TEC)/ WPC, New Delhi or Technical Specification Evaluation Certificate (TSEC) from Quality Assurance Circle, BSNL, Bengaluru, against the respective technical specifications of this RFP. In case any of the quoted models does not have TAC/ TSEC then it should be applied for TSEC to Quality Assurance Circle, BSNL, Bengaluru or to TEC/WPC,

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						<p>New Delhi for the model against the technical specifications, at least one day before the bid submission date. The registration number allotted for the TSEC purpose by Quality Assurance Circle, BSNL, Bengaluru or for TAC purpose by TEC/WPC, New Delhi shall be submitted along with the bid. However, only type approved/TSEC approved products as per above specifications shall be accepted which shall have to be obtained before supply.</p>
71	Annexure -VII : Financial BID Format /F . Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	47	Optical fibre cable - 24F loose tube	Kindly Share the Detail Specification	Minimum specifications are already provided. Also refer answer provided against sr. no. – 45.

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
72	Annexure -VII : Financial BID Format/F.Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	47	Optical fibre cable - 12F loose tube	This is ADSS cable ? Kindly Share the Detail Specification	As per answer provided against sr. no. - 71.
73	Annexure -VII : Financial BID Format/F.Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	47	Optical fibre cable - 8F loose tube	This is ADSS cable ? Kindly Share the Detail Specification	As per answer provided against sr. no. - 71.
74	Annexure -VII : Financial BID Format/F.Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	47	Optical fibre cable - 6F loose tube	This is ADSS cable ? Kindly Share the Detail Specification	As per answer provided against sr. no. - 71.
75	Annexure -VII : Financial BID Format/F.Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	47	Optical fibre cable - 4F loose tube	This is ADSS cable ? Kindly Share the Detail Specification	As per answer provided against sr. no. - 71.
76	Annexure -VII : Financial BID Format/F.Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	47	Optical fibre cable - 2F loose tube	This is ADSS cable ? Kindly Share the Detail Specification	As per answer provided against sr. no. - 71.

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
77	Annexure -VII : Financial BID Format/F. Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	47	New pole for aerial cable installation	Kindly Confirm if we Need to use 7Mt or 8 Mts for New Pole installation	Generally, minimum height of the new pole will be 5 Mtr. The height of the pole will be decided as per site circumstances by GFGNL site in-charge.
78	Annexure -VII : Financial BID Format/F. Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	48	3 mtr pole including all accessories	Kindly Provide Pole specification along with foundation details	Please refer RFP Annexure - X for minimum specification. Bidder will be responsible for designing of suitable foundation for various poles installed. Bidder will have to submit soil test report from authorized laboratory, foundation drawing must be approved by authorized structural engineer & quality of executed foundation work must be certified by authorized civil engineer.
79	Annexure -VII : Financial BID Format/F. Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	48	6 mtr pole including all accessories	Kindly Provide Pole specification along with foundation details	As per answer provided against sr. no. - 78.

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80	Annexure -VII : Financial BID Format/F.Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	48	9 mtr pole including all accessories	Kindly Provide Pole specification along with foundation details	As per answer provided against sr. no. - 78.
81	Annexure -VII : Financial BID Format/F.Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	48	12 mtr mast including all accessories	Kindly Provide Pole specification along with foundation details	As per answer provided against sr. no. - 78.
82	Annexure -VII : Financial BID Format/F.Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	48	15 mtr mast including all accessories	Kindly Provide Pole specification along with foundation details	As per answer provided against sr. no. - 78.
83	Annexure -VII : Financial BID Format/F.Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	48	18 mtr mast including all accessories	Kindly Provide Pole specification along with foundation details	As per answer provided against sr. no. - 78.
84	Annexure -VII : Financial BID Format/F.Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	48	21 mtr mast including all accessories	Kindly Provide Pole specification along with foundation details	As per answer provided against sr. no. - 78.

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85	Annexure -VII : Financial BID Format/F. Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	48	24 mtr mast including all accessories	Kindly Provide Pole specification along with foundation details	As per answer provided against sr. no. - 78.
86	Annexure -VII : Financial BID Format/F. Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	48	27 mtr mast including all accessories	Kindly Provide Pole specification along with foundation details	As per answer provided against sr. no. - 78.
87	Annexure -VII : Financial BID Format/F. Material Supply _passive Intrastructure	Annexure – VII : Financial Bid Format	48	30 mtr mast including all accessories	Kindly Provide Pole specification along with foundation details	As per answer provided against sr. no. - 78.
88	2.1.6	2.Scope of Work (SoW) for the bidder.	10	Selected bidder will have to supply EMS (Element Management System) for each active components like radios, router, switch, optical to etc. so that required alarms can be monitored to know the up / down status of the equipment. Further, selected bidder & their OEM partners will have to facilitate integration of all these EMSs with GFGNL's existing NMS	Kindly Provide EMS Specification and add in Annexure -VII : Financial BID Format / F . Material Supply - Passive Infrastructure	As per answer provided against sr. no. - 29.

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				(Network Management System) through API or any other suitable mechanism as per the requirement of GFGNL's NMS application and up to the satisfaction of GFGNL.		
89	Annexure – VII : Financial Bid Format/ G Material Supply - Active Infrastructure	Annexure – VII : Financial Bid Format	49	11 UPS 1KVA	Kindly share specifications of UPS 1KVA.	Please refer corrigendum.
90	Annexure – VII : Financial Bid Format/E Services- Active infrastructure	Annexure – VII : Financial Bid Format	48	<p>E Services - Active Infrastructure 1.) Installation, configuration, commissioning and acceptance testing of CPE (customer premise equipment) and a pair of Optical to Ethernet converter(s) (Quality- 2500 Nos).</p> <p>Material Supply - Active Infrastructure 1) CPE (customer premise equipment) L3 router – Option 1 (Quantity - 1500 Nos)</p>	There is conflict in service and material supply of CPE router ,as per Service active infrastructure CPE quantity is 2500 Nos, whereas material supply overall CPE quantity is 3000 Nos, Kindly clarify.	Revised clause : Material Supply - Active Infrastructure 1) CPE (customer premise equipment) L3 router – Option 1 (Quantity - 1300 Nos) 2)CPE (customer premise equipment) L3 router – Option 2 (Quantity -900 Nos) 3)CPE (customer premise equipment) L2 Manageable switch-24 Port (Quantity-100 Nos) 4) CPE (customer premise

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				2)CPE (customer premise equipment) L3 router – Option 2 (Quantity -1000 Nos) 3)CPE (customer premise equipment) L2 Managable switch-24 Port (Quantity-250 Nos) 4) CPE (customer premise equipment) L2 Managable switch-8 Port (Quantity-250 Nos)		equipment) L2 Manageable switch-8 Port (Quantity-200 Nos)
91	Annexure – VII : Financial Bid Format/F Material Supply - Passive Infrastructure	Annexure – VII : Financial Bid Format	47	6U wall mounted rack including fan, power strip & cable manager	We assume as per quantity (4500)mentioned in Annexure -VII : Financial BID Format / F . Material Supply ,6U Rack to be installed at GP and Customer location as well, please confirm.	Please refer revised financial bid in corrigendum. Refer RFP clause - 3.4 for rack installation at GP location. For customer location, customer will decide the requirement of new rack installation based on their need / condition in their office.
92	3. Scope of Work (SoW) for GFGNL	3.Scope of Work (SoW) for GFGNL	13	3.2. To implement & maintain BharatNet GPON Network up to Gram Panchayat.	We assume that OLT already installed at all GP locations and Further connectivity to be extended from GP location to customer location. Kindly confirm	ONT & L2 switch is installed at all GP locations. Connectivity will be extended from L2 switch.

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93	7.4	7.Implementation timeline and penalties	33	Establishing end to end connectivity of location with SDC and successful testing of internet & intranet connectivity and signing of WCC (work completion certificate) from end customer	Kindly clarify who will be the end customer.	Predominantly end customer will be various government establishments as mentioned in RFP clause - 1.4 (not limited to). It can also be GPs, villages and private enterprise & retail customers.
94	7.4	7.Implementation timeline and penalties	33	Establishing end to end connectivity of location with SDC and successful testing of internet & intranet connectivity and signing of WCC (work completion certificate) from end customer	Also request you to share the complete detail of WCC and Acceptance testing criterion	Please refer RFP clause - 7 > Note > sr. no. - 9.
95	7.4	7.Implementation timeline and penalties	33	Penalty: Rs. 100 per day per location	This is understood that any delay during implementation and operation caused due to any reason beyond the control of the bidder will be excluded from the penalty.	No change
96	7.4	7.Implementation timeline and penalties	34	Approval of final bill of quantity by GFGNL for a lot (lot consists of sites from intimation orders) - T1	Please share the exact difference between completion of Survey and T1 Date in number of days OR in the span of period. This is required to plan the project properly.	It will be at the earliest.

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97	General	General	General	General	What is the overall lifecycle timeline/ period (In Months) of the overall implementation. This is required to quantify the required manpower and efforts.	Please refer RFP clauses - B5 and 8.4.
98	3.3	3.Scope of Work (SoW) for GFGNL	57	GFGNL will provide raw AC power supply and earthing (if required) at Gram Panchayat (GP) for the last mile equipment to be installed by the selected bidder. In case, proper earthing is not available at GP location, GFGNL's official / any other designated official will instruct selected bidder to implement new earthing pit and accordingly the line item quantity will be certified and paid. Selected bidder will be responsible to supply & install power cable from tapping point to rack as per site requirement at no additional cost to GFGNL.	This is understood that the AC Power and space at the other end (other than GP end) of the Last Mile network will be the responsibility of the purchaser. The Earthing at the other end will be responsibility of the bidder. Kindly confirm.	Other end (other than GP end) of the Last Mile network will be the end customer location. Providing AC power & space at customer location will be Government department's responsibility. If proper earthing will not be available at customer location, GFGNL official will instruct selected bidder to implement new earthing pit (as per technical feasibility at customer premise) for the protection of equipment like radio unit / media converter / router / switch, accordingly financial bid line item will be certified and paid to selected bidder.

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
99	Annexure – X	Technical Specifications : UPS	57	UPS ..as per GFGNL specs	As per RFP No: GFGNL/DST/BharatNet-PIA/2018/31, page number 141 of 357 : 4.4.5.7 UPS for GP Locations and multiple corrigendum's was also issued. Due to multiple Corrigendum/documents it will create ambiguity to the bidders hence requesting to provide the final detailed specifications of the 1 KVA UPS.	Please refer corrigendum.
100	Annexure – VII	Annexure – VII : Financial Bid Format	46	7. Preparation of earthing pit for road earthing including supply of all required material for earthing & successfully achieving desired earth value as per RFP	Kindly provide the detailed technical specifications of the earthing along with type whether it will be GI Pipe earth pits or Chemical earth pits. Also provide the desired earth pit values	Please refer corrigendum.
101	2.1.11	2.Scope of Work (SoW) for the bidder.	11	Successful bidder(s) will have to supply all required optical & Cat 6 patch cords, SFP (if any), all required accessories with active / passive equipment to make the customer link live & all required licenses for all the ports & services of active equipment for entire contract period.	Kindly provide the detailed technical specifications of the patch chords and add the quantities in the BOQ.	No change

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
102	Annexure – VII	Annexure – VII : Financial Bid Format	48	25. Outdoor Cat 5 cable including required accessories, connector etc. Mtr 6,000 26. Indoor Cat 5 cable including required accessories, connector etc. Mtr 6,000	Kindly clarify that bidder needs to provide the Cat 5 cables or Cat 6 cables as in BOQ supply it is mentioned for the cat 5 cables and for BOQ Installation it is mentioned Cat 6 cables	Please refer corrigendum.
103	Annexure – VII	Annexure – VII : Financial Bid Format	48	25. Outdoor Cat 5 cable including required accessories, connector etc. Mtr 6,000 26. Indoor Cat 5 cable including required accessories, connector etc. Mtr 6,000	Kindly provide the detailed specifications for cat 6 cables for the outdoor and Indoor installation	No Change
104	3.3	3.Scope of Work (SoW) for GFGNL	13	GFGNL will provide raw AC power supply and earthing (if required) at Gram Panchayat (GP) for the last mile equipment to be installed by the selected bidder.	As per our understanding raw power will be provided by GFGNL till UPS input and bidder needs to consider UPS input cable of approx. 2 to 3 m length. Kindly confirm if our understanding is correct.	Refer clause - 3.3 of the RFP.

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
105	Clause. 4.2.8	Eligibility Criteria	16	Copy of valid Technical Specification Evaluation Certificate (TSEC)/ Type Approval Certificate /AT certificate or copy of Application for fresh TSEC/TAC/AT certificate as applicable from each OEM whose products are being quoted by the Bidder.	TSEC/TAC/AT certification for UPS & Stabilizer is not available with any major Manufacturers. Hence, this may be excluded from TSEC/TAC/AT Certification. This clause was removed in many other Bharatnet projects in the past due to this reason. Manufacturer having credential/reference installation in Bharatnet can be considered with their existing type test report or NABL or Govt Approved Laboratory lab certification .	As per answer provided against sr. no. - 17.
106	Generic	General	Generic	Media Req.	We understand that the BW/media at GP along with Ethernet handoff for extending the connectivity shall be arranged by GFGNL	Please refer RFP cause - 3.7.
107	Annexure VII Financial Bid format/Services-Active infrastructure	Annexure – VII : Financial Bid Format	46	Services-Active infrastructure	The Installation and commissioning services for L2 switching is not included in Financial Bid format. We request to include the same in Financial bid format	Please refer corrigendum.
108	Annexure VII Financial Bid format/Services-Active infrastructure	Annexure – VII : Financial Bid Format	48	Point to point UBR radio set including earthing cable, lightning arrester, clamps/fixtures, RF & electrical cables etc.	Please specify if the quantity of P2P link is to be considered as set or nos; i.e. whether the quantity is to be considered as 50 sets (100 nos) or 50 nos?	It is "set" as mentioned in sr. no. - G6 (Material Supply - Active Infrastructure) of financial bid.

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
109	Annexure VII Financial Bid format/Service s-Active infrastructure	Annexure – VII : Financial Bid Format	49	Point to point Li-Fi / FSO link set including earthing cable, lightning arrester, clamps/fixtures, optical patch cord & electrical cables etc. including Installation, configuration, commissioning and acceptance testing	The technical specifications of Li-Fi/FSO links are not available in the RFP. We request to share the same	Please refer corrigendum.
110	4	Eligibility Criteria	14	2. The Lead Bidder's Average Annual Turnover & Net worth must be as per below during last 3 years. (Purely from Telecom service business) Bidder's Average Net worth participating in Annual Turnover (Rs.) (Rs.) 1 zone >= Rs. 5 Cr >=Rs. 50 Lacs 2 zones >= Rs. 10 Cr >=Rs. 1 Cr 3 zones >= Rs. 15 Cr >=Rs. 1.5 Cr 4 zones >= Rs. 20 Cr >=Rs. 2 Cr The Consortium member's Average Annual Turnover must be >= Rs. 5 Cr & Net worth must be >= 50 Lacs during last 3 years (Purely from Telecom service	We Request to change the criteria "Purely from Telecom / Networking Service Business".	No Change

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
				business) irrespective of number of zones considered by the Consortium for bidding.		
111	Annexure - X P2P & P2MP solution/Operating Frequency Band	Technical Specifications P2P & P2MP unlicensed radio	53	Point No 1: 2.4Ghz/5.8Ghz	1) Refer WPC GSR 1048E dated Oct 2021 where Scope of Deployment of UBR Radios was expanded with 600MHz spectrum available 5.150Ghz - 5.250Ghz; 5.250Ghz - 5.350Ghz; 5.470Ghz - 5.725Ghz & 5.725Ghz - 5.875Ghz 2) 5Ghz spectrum supporting 802.11ac standard and capable for higher bandwidth delivery upto 1Gbps or more whereas 2.4Ghz band only supported 802.11n standard, further cannot deliver higher bandwidth upto 1Gbps or more and also 2.4Ghz based RF platforms are end of life due to non availability of Chipset;	Revised clause (sr. no. - 1 of P2P & P2MP unlicensed radio): as per below. Operating frequency band : 2.4 GHz / 5.X GHz

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
					Hence we request department to consider the UBR Radios to be deployed in 5Ghz unlicensed band	
112	Annexure - X P2P & P2MP solution/Security	Technical Specifications P2P & P2MP unlicensed radio	53	Point No. 6: System should support WPA/WPA2, WPA-PSK	WPA mentioned is a Wi-Fi standard. The specifications needs to be amended to AES 128 Encryption or better as Radios are to be deployed for High Capacity Backhaul applications which are to be deployed for secured wireless datacommunicatios, Hence Radios need to be complying with AES 128 encryption standards of NIST	Revised clause (sr. no. - 6 of P2P & P2MP unlicensed radio) : as per below. Security : System should support AES 128 Encryption.

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
113	Annexure - X P2P & P2MP solution/Management	Technical Specifications P2P & P2MP unlicensed radio	53	Point No. 9: System should be remotely manageable	1) The Radios should support SNMPv3 which is the latest and secured SNMP protocol 2) To create pipe for secured wireless communications SSH, HTTPS protocols are used, please suggest which protocol to be used 3) Please also confirm if Radios should support IPv4 & IPv6 Dual Stack as per policy of GoI the networking equipment should support IPv4 & IPv6	1. No change 2. No change 3. Yes, radios should support IPv4 & IPv6 Dual Stack.
114	Annexure - X P2P & P2MP solution/Throughput Support	Technical Specifications P2P & P2MP unlicensed radio	53	Point No. 3: Minimum 100Mbps per Link	1) The throughput defined in the RFP is for point to point link and not for Point to Multi Point RF Link, hence request to define the specifications and throughput for point to multipoint RF Link 2) As per the requirements framed by Bharatnet/BBNL for RF at the Panchayat/PoP site should support throughput 1Gbps or more throguput hence please confirm the throughput required to be delivered on point to Multipoint base Station deployed at PoP site	Base station Throughput support for P2MP link : Minimum 1 Gbps

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
115	Annexure - X P2P & P2MP solution/Ports	Technical Specifications P2P & P2MP unlicensed radio	53	Point No. 4: 1 x 10/100/1000 BaseT Ethernet & 1 x 10/100 BaseT RJ45	Is the port requirement mentioned here is as 1 GBE port required & 1 Fast ethernet port required, not clear from specification ? Do we need to have 2 separate ports ? And this particular port requirement is at Radio end or connected POE end?	These 2 ports with minimum capacity (1 no. x 10/100/1000 BaseT Ethernet & 1 no. x 10/100 BaseT RJ45) will be there on PoE indoor unit. Radio/ outdoor unit may have only 1 port. This is for P2P radio. For P2MP radio, suitable capacity ports must be provided as per aggregate throughput.
116	Annexure - X P2P & P2MP solution/Environmental Conditions	Technical Specifications P2P & P2MP unlicensed radio	53	Point No. 15: It should be IP65 and Wind Survivability of 150Kmph	1) The Radios should minimum support Ingress Protection standard of IP67 or better as these Radios are to be deployed in outdoor scenarios under harsh environmental conditions and radios be capable to withstand dust and water ingress. 2) The Radios should support Wind Survivability upto 180Kmph as Radios will be required to be deployed in costal region of Gujarat	No change

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
117	Additional Requirement for Sector Coverage	Technical Specifications P2P & P2MP unlicensed radio		Sector Coverage	Please define the following: Sector Coverage - Whether the deployment be made of Single Sector for 360 deg coverage (with multiple 90 deg/120 deg antennas) or multiple sectors of 90 deg/120 deg coverage each; Deployment of Multi Point Radio with 360 degree coverage with multiple 90 deg/120 deg antennas will reduce number of Radios, CAT 6 Cable, PoE per site deployment which will also lower the Total Power Consumption per site, hence this will lower Total Cost of Ownership of the project, hence request department to advise on the sector coverage for the BTS Radio. Deployment of single sector radio with multiple antennas will reduce point of failures and also reduce OPEX costs and lower Total costs of ownership.	It is up to bidder to plan their suitable product which is complying to minimum specifications mentioned in RFP.

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
118	Additional Requirement-Synchronization	Technical Specifications P2P & P2MP unlicensed radio		Synchronization	<p>1) As GP sites will have multiple Radios more than 2 radios mix of Point to Point as well as Point to Multi Point which could create self interference hence it is requested to consider Radios with inbuilt GPS Based Synchronization as this will increase link availability and deliver desired throughput for the link.</p> <p>2) Any RF link with external GPS Sync unit deployment will increase point of failure which can impact throughput delivery per link.</p> <p>3) GPS Based synchronization of Radios should mandatorily be asked as inbuilt feature to mitigate self interference between Point to Point as well as Point to Multi Point Radios at given GP site</p>	No change
119	Additional Requirement-Fibre SFP port	Technical Specifications P2P & P2MP unlicensed radio		Fibre SFP port	<p>1) State of Gujarat has highest % of fibre rollouts & nearly 95% of the GP sites are lit up with fibre as per RFP hence the Point to Multi Point Base Station Radio should support inbuilt Fibre SFP port for extending the fibre coverage, this will eliminate point to failure in case deployment of external fibre</p>	No change

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
					media converter is considered as external media converter solution may not be manageable	
120	Additional Requirement - Backhaul	Technical Specifications P2P & P2MP unlicensed radio		Backhaul	To reduce overall deployment costs we would suggest to consider Point to Multi Point BTS Radio which has inbuilt backhaul Radio for the GP sites which do not have fibre as BH media currently	No change
121	Additional Requirement- Dying Gasp	Technical Specifications P2P & P2MP unlicensed radio		Dying Gasp	In case of Power failure at the remote Radio deployed in horizontal offices it is recommended that logs in the form of SNMP traps are made available in the NMS so which will help to meet overall uptime SLA of the link.	As per answer provided against sr. no. - 29.
122	Additional Requirement- External Beamforming Antenna	Technical Specifications P2P & P2MP unlicensed radio		External Antenna Beamforming	We would like to seek clarification that the antenna supported in the Point to Multi Point Base Station should be active beamforming, please confirm?	As per answer provided against sr. no. - 117.
123	4	Eligibility Criteria	15	The Lead bidder or Consortium member must have experience of Laying, Installation, Testing, Commissioning & Maintenance of Optical Fibre Cable (Underground or	We request you to kindly amend this clause as below: The Lead bidder or Consortium member must have experience of Laying, Installation, Testing, Commissioning or Operations and Maintenance of Optical Fibre	No Change

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
				Aerial), Duct and accessories as per below in last 3 years as on bid submission date.	Cable (Underground or Aerial), Duct and accessories as per below in last 3 years as on bid submission date.	
		Eligibility Criteria		Bidder's participating inExperience (Km)	Bidder's participating inExperience (Km)	
		Eligibility Criteria		1 Zone>= 500 Kms	1 Zone>= 200 Kms	
		Eligibility Criteria		2 Zone>= 1000 Kms	2 Zone>= 500 Kms	
		Eligibility Criteria		3 Zone>= 1500 Kms	3 Zone>= 1000 Kms	
		Eligibility Criteria		4 Zone>= 2000 Kms	4 Zone>= 1500 Kms	
124	4	Eligibility Criteria	15	The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of wireless links (licensed or unlicensed band radio) as per below in last 3 years as on bid submission date.	We request you to kindly amend this clause as below: The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning or operation & Maintenance of wireless links (licensed or unlicensed band radio) as per below in last 3 years as on bid submission date.	No Change
		Eligibility Criteria		Bidder's participating inExperience (Km)	Bidder's participating inExperience (Km)	
		Eligibility Criteria		1 Zone>= 200 links	1 Zone>= 100 links	
		Eligibility Criteria		2 Zone>= 400 links	2 Zone>= 200 links	
		Eligibility Criteria		3 Zone>= 600 links	3 Zone>= 300 links	
		Eligibility Criteria		4 Zone>= 800 links	4 Zone>= 500 links	

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
125	3 and 4	Eligibility Criteria		<p>Required documents: (Work order / Purchase order / Contract) And Work Completion Certificate Note – 1: Bidder will have to produce necessary supporting documents other than mentioned above to clearly prove completion of work in last 3 years. Note – 2: Bidder can submit separate documents for Project and O&M experience.</p>	<p>We request you to kindly ask below documents for experience:</p> <ol style="list-style-type: none"> 1. Work order / purchase order / contract and work completion certificate/project ongoing certificate. 2. If a bidder / consortium is an ISP/telecom company, we request you to allow for self-declaration certificate in order to justify/exhibit the work experience required as a part of pre-qualification criteria for respective no. of zones. For further assertion, for OFC network layout for serving end customer could be shared by bidder / consortium partner. 	<ol style="list-style-type: none"> 1. Project ongoing certificate will be accepted provided it clearly proves that the required experience is already achieved in last 3 years as on bid submission date. 2. Self-declaration certificate will be accepted only in case of bidder / consortium being an ISP / telecom company having valid license from DoT as on bid submission date. Also bidder will have to attach a copy of valid license along with bid documents.

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
126	Clause no. 4 Sub point 2	Eligibility Criteria	14	<p>2. The Lead Bidder's Average Annual Turnover & Net worth must be as per below during last 3 years. (Purely from Telecom service business) Bidder's Average Net worth participating in Annual Turnover (Rs.)</p> <p>1 zone >= Rs. 5 Cr >= Rs. 50 Lacs</p> <p>2 zones >= Rs. 10 Cr >= Rs. 1 Cr</p> <p>3 zones >= Rs. 15 Cr >= Rs. 1.5 Cr</p> <p>4 zones >= Rs. 20 Cr >= Rs. 2 Cr</p> <p>The Consortium member's Average Annual Turnover must be >= Rs. 5 Cr & Net worth must be >= 50 Lacs during last 3 years (Purely from Telecom service business).....</p>	Looking to the scope of work, mainly networking (Passive & Active, both), we hereby request you to allow the turnover of Rs. 5 Crores from Networking business, for both Lead bidder as well as Consortium partner.	No Change

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
127	Clause no. 4 Sub point 3	Eligibility Criteria	15	The Lead bidder or Consortium member must have experience of Laying, Installation, Testing, Commissioning & Maintenance of Optical Fibre Cable (Underground or Aerial), Duct and accessories as per below in last 3 years as on bid submission date	Looking to the past year & half of Pandemic, we hereby request you, 1) Kindly allow the experience in last FIVE years instead of THREE years. 2) Allow the experience of Fibre & UTP, both , combined.	Please refer corrigendum.
128	Clause no. 4 Sub point 4	Eligibility Criteria	15	The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of wireless links (licensed or unlicensed band radio) as per below in last 3 years as on bid submission date.	Looking to the past year & half of Pandemic, we hereby request you, 1) Kindly allow the experience in last FIVE years instead of THREE years. 2) Allow the experience of WiFi / Radio or combined .	Please refer corrigendum.
129	Note - 1	Eligibility Criteria	17	Bidder is allowed to make a consortium with only one other bidder.	Kindly allow the consortium of Three members , including Lead bidder	No Change

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
130	4	Eligibility Criteria	15	The Lead Bidder and Consortium member must be registered in India under Companies Act 1956 or 2013 at least for 3 years as on 31/03/2021.	Sir This is to bring to your Kind Consideration that In order to avail Certificate of Incorporation a Company / Firm shall be a Pvt. Ltd. / Listed Firm but as My Company is a Proprietary Firm which as per Companies Act does not require Certificate of Incorporation. Apart from that even though My Company Does not require Certificate of Incorporation we have been Carrying out Various Optical Fiber Cable Laying Project since Past 25 years in PAN India and as far as Gujarat is Concerned we Last Year Completed the Bharat Net Phase-II work of BBNL under M/s ITI Limited for Banaskantha Region and O&M of the Said Region is being Carried out by us since Past 1 Year. Therefore, Considering the above Explanation I would request you to remove the Said qualifying criteria from the RFP.	No Change

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
131	4	Eligibility Criteria	15	<p>The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of wireless links (licensed or unlicensed band radio) as per below in last 3 years as on bid submission date.</p> <p>Bidder's participating in Experience</p> <p>1 zone >= 200 links 2 zone >= 400 links 3 zone >= 600 links 4 zone >= 800 links</p>	<p>My Company has been Working in the Optical Field since Past 25 years in PAN India where we apart from Optical Fiber Laying we have Carried Various Other Works of Installation, Configuration, Testing & Commissioning of OLT, ONT, etc. and as far as Gujarat is Concerned we have Carried out Bharat Net Phase-II Work of BBNL under M/s ITI Limited and this Project being an extension of the earlier Project we have Directly or Indirectly Carried out such Work . Therefore, Considering the Healthy Competition Part of an Exemption shall be given to Companies like us so that a Competitive Rate in the Benefit of GFGNL can be attained if not it would give a Impression that the Said Tender is Floated Just in order to entertain Particular Vendors only.</p>	No Change

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
132	4	Eligibility Criteria	15	<p>The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of customer premise equipment (CPE) as per below in last 3 years as on bid submission date. Bidder's participating in Experience</p> <p>1 zone >= 300 CPEs 2 zones >= 600 CPEs 3 zones >= 900 CPEs 4 zones >= 1200 CPEs</p>	<p>My Company has been Working in the Optical Field since Past 25 years in PAN India where we apart from Optical Fiber Laying we have Carried Various Other Works of Installation, Configuration, Testing & Commissioning of OLT, ONT, etc. and as far as Gujarat is Concerned we have Carried out Bharat Net Phase-II Work of BBNL under M/s ITI Limited and this Project being an extension of the earlier Project we have Directly or Indirectly Carried out such Work . Therefore, Considering the Healthy Competition Part of an Exemption shall be given to Companies like us so that a Competitive Rate in the Benefit of GFGNL can be attained if not it would give a Impression that the Said Tender is Floated Just in order to entertain Particular Vendors only.</p>	No Change

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
133	4	Eligibility Criteria	15	The Lead bidder and Consortium member each must have minimum 50 technical team working for bidder directly on their role.	My Company has a Fixed Team of 8 People on our Pay Roll and Rest of team is Contractual because of the fact that Different Projects have Different requirement of Team Network but if this Project requires 50 Technical Team the same shall be Procured but it will be Contractual i.e. only till the Completion of this Project. Therefore, Considering the Same Exemption on Submission of same shall be Granted so that Companies like us can Participate.	No Change
134	4/4.1/4.2	Eligibility Criteria	15	The Lead bidder or Consortium member must have experience of Laying, Installation, Testing, Commissioning & Maintenance of Optical Fibre Cable (Underground or Aerial), Duct and accessories as per below in last 3 years as on bid submission date.	We Request you to modify this Criteria as Bidder/OEM Relevant Work Experience PO and Completion details for last 3 years. This will allow wide participation toward competitive bids.	No Change
		Eligibility Criteria		Bidder's participating in Experience (Km)		
		Eligibility Criteria		1 zone >= 500 Kms		

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
		Eligibility Criteria		2 zones >= 1000 Kms		
		Eligibility Criteria		3 zones >= 1500 Kms		
		Eligibility Criteria		4 zones >= 2000 Kms		
135	4/4.1/4.2	Eligibility Criteria	15	The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of wireless links (licensed or unlicensed band radio) as per below in last 3 years as on bid submission date.	We Request you to modify this Criteria as Bidder/OEM Relevant Work Experience PO and Completion details for last 3 years. This will allow wide participation toward competitive bids.	No Change
		Eligibility Criteria		Bidder's participating in Experience		
		Eligibility Criteria		1 zone >= 200 links		
		Eligibility Criteria		2 zones >= 400 links		
		Eligibility Criteria		3 zones >= 600 links		
		Eligibility Criteria		4 zones >= 800 links		

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Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
136	4/4.1/4.2	Eligibility Criteria	16	The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of customer premise equipment (CPE) as per below in last 3 years as on bid submission date.	We Request you to modify this Criteria as Bidder/OEM Relevant Work Experience PO and Completion details for last 3 years. This will allow wide participation toward competitive bids.	No Change
		Eligibility Criteria		Bidder's participating in Experience		
		Eligibility Criteria		1 zone >= 300 CPEs		
		Eligibility Criteria		2 zones >= 600 CPEs		
		Eligibility Criteria		3 zones >= 900 CPEs		
		Eligibility Criteria		4 zones >= 1200 CPEs		
137	4. Eligibility Criteria/Sr No 2	Eligibility Criteria	14	The Consortium member's Average Annual Turnover must be >= Rs. 5 Cr & Net worth must be >= 50 Lacs during last 3 years (Purely from Telecom service business) irrespective of number of zones considered by the Consortium for bidding.	To enable participation from Technology Start-ups / MSME / OEMs would like to request for Revision in Average Turnover Clause with Total Turnover till date >= Rs.50 Lacs (from all kind of business activities) and removal of Net Worth clause as in starting phase Technology Start-ups / MSME / OEMS invest in	Please refer corrigendum.

Request for Proposal (RFP) for Selection of Project Implementation Agency (PIA) for Various Connectivity through BharatNet Network

Sr. No	RFP Document Clause / Section No.	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
					Research and Development and revenue comes at later stage.	
138	4. Eligibility Criteria/Sr No 9	Eligibility Criteria	16	The Lead bidder and Consortium member each must have minimum 50 technical team working for bidder directly on their role	Instead of Lead bidder and Consortium member EACH must have minimum 50 technical team working for bidder directly on their role. Would like to request for to revise it to For Lead Bidder, or Lead Bidder And Consortium Member must have minimum total 50 technical team working for bidder directly on their role.	Please refer corrigendum.

Revised Clause:

Sr. No.	RFP Clause / Item Name	Original Clause	Revised Clause/ clarification
1.	Clause – 4 : Eligibility Criteria, Sr. No. - 8	<p>Authorization letters / MAF (as per Annexure) from OEM/Vendors whose products are being quoted by the Bidder (only applicable to OFC, duct, radio, rack, media converter, router, switch & voltage stabilizer)</p> <p>Copy of valid Technical Specification Evaluation Certificate (TSEC) / Type Approval Certificate / AT certificate or copy of Application for fresh TSEC/TAC/AT certificate as applicable from each OEM whose products are being quoted by the Bidder.</p>	<p>Authorization letters / MAF (as per Annexure) from OEM/Vendors whose products are being quoted by the Bidder (only applicable to OFC, duct, radio, rack, media converter, router, switch, UPS & voltage stabilizer)</p> <p>Copy of valid Technical Specification Evaluation Certificate (TSEC) / Type Approval Certificate / AT certificate or copy of Application for fresh TSEC/TAC/AT certificate as applicable from each OEM whose products are being quoted by the Bidder (only applicable to OFC, duct, DWC & radio).</p>

Request for Proposal (RFP) for Selection of Project Implementation Agency (PIA) for Various Connectivity through BharatNet Network

Sr. No.	RFP Clause / Item Name	Original Clause	Revised Clause/ clarification
2.	Clause – 4 : Eligibility Criteria, Sr. No. - 8	Additional clause	<p>Note : Bidder should have valid Type Approval Certificate (TAC) from Telecom Engineering Centre (TEC) / WPC, New Delhi or Technical Specification Evaluation Certificate (TSEC) from Quality Assurance Circle, BSNL, Bengaluru, against the respective technical specifications of this RFP. In case any of the quoted models does not have TAC/ TSEC then it should be applied for TSEC to Quality Assurance Circle, BSNL, Bengaluru or to TEC/WPC, New Delhi for the model against the technical specifications, at least one day before the bid submission date. The registration number allotted for the TSEC purpose by Quality Assurance Circle, BSNL, Bengaluru or for TAC purpose by TEC/WPC, New Delhi shall be submitted along with the bid. However, only type approved/TSEC approved products as per above specifications shall be accepted which shall have to be obtained before supply.</p>
3.	Clause – 2 : Scope of Work (SoW) for the bidder, Sr. No. - 2.2.3.3	Selected bidder will have to comply to all the rules & regulations of DoT / TRAI / GoI / WPC / SACFA / any other statutory body for wireless links.	Selected bidder will have to comply to all the rules & regulations of DoT / TRAI / GoI / WPC / SACFA / any other statutory body for wireless links. Applicable charges shall be borne by GFGNL or reimbursed on the discretion of GFGNL.
4.	Clause – 5 : Selection criteria & allotment of work, Sr. No. - 5.2	Bidder can submit bid(s) for as many zones as they want, but any successful bidder will be selected only for 2 zones. If any bidder wins in more than 2 zones, GFGNL will decide any 2 zones where successful bidder will be allotted work.	<p>Bidder can submit bid(s) for as many zones as they want, but any successful bidder will be selected only for 2 zones. If any bidder wins in more than 2 zones, GFGNL will decide any 2 zones where successful bidder will be allotted work than bidder will have to decide & convey to GFGNL within 2 days the 2 zones where he wants to accept WO and successful bidder's quotes for other zones will become null & void. For ex.: If any bidder wins in Zone – A, B & C and GFGNL allots work in zones – A & B, in this case L2, L3,...Ln bidders of zone – C will be given a chance sequentially to</p>

Request for Proposal (RFP) for Selection of Project Implementation Agency (PIA) for Various Connectivity through BharatNet Network

Sr. No.	RFP Clause / Item Name	Original Clause	Revised Clause/ clarification
			<p>match L1 price of zone – C & whosever first matches will be allotted work for zone – C. If no bidder from zone – C matches L1 price, than L1, L2, L3,...Ln bidders of zone – D and L2, L3,...Ln bidders of all other zones (A & B) will be given a chance to match L1 price of zone – C in chronological order (from lowest price to highest price) & whosever first matches will be allotted work for zone – C provided no bidder gets work for more than 2 zones.</p>
5.	Clause – 3.3 : Scope of Work (SoW) for GFGNL	GFGNL will provide raw AC power supply and earthing (if required) at Gram Panchayat (GP) for the last mile equipment to be installed by the selected bidder. In case, proper earthing is not available at GP location, GFGNL’s official / any other designated official will instruct selected bidder to implement new earthing pit and accordingly the line item quantity will be certified and paid. Selected bidder will be responsible to supply & install power cable from tapping point to rack as per site requirement at no additional cost to GFGNL.	GFGNL will provide raw AC power supply and earthing (if required) at Gram Panchayat (GP) for the last mile equipment to be installed by the selected bidder. In case, proper earthing is not available at GP / customer location, GFGNL’s official / any other designated official will instruct selected bidder to implement new earthing pit and accordingly the line item quantity will be certified and paid. In case of new earthing, earthing value should be ≤ 0.5 Ohm. Selected bidder will be responsible to supply & install power cable from tapping point to rack as per site requirement at no additional cost to GFGNL.
6.	Clause – 2 : Scope of Work (SoW) for the bidder, Sr. No. – 2.1.2	Implementation of last mile connectivity through wireline (UG OFC / aerial drop fibre cable / Cat 5 cable) / wireless (P2P / P2MP unlicensed band radio) media including newer technologies like FSO / Li-Fi / PLCC (Power line communication Carrier) etc. provided all necessary approvals are available from competent authority in India to deploy the equipment of newer technology.	Implementation of last mile connectivity through wireline (UG OFC / aerial drop fibre cable / Cat 6 cable) / wireless (P2P / P2MP unlicensed band radio) media including newer technologies like FSO / Li-Fi / PLCC (Power line communication Carrier) etc. provided all necessary approvals are available from competent authority in India to deploy the equipment of newer technology. In the event of national security related concerns, GFGNL will ask selected bidders to change the last mile technology & adopt the safer technology and selected bidders will have to abide to same.
7.	Annexure – VIII : MAF	Annexure – VIII : MAF (PER ITEM 3 maximum)	Annexure – VIII : MAF (one and only one OEM for each component)

Request for Proposal (RFP) for Selection of Project Implementation Agency (PIA) for Various Connectivity through BharatNet Network

Sr. No.	RFP Clause / Item Name	Original Clause	Revised Clause/ clarification
8.	Annexure – VII : Financial Bid Format, Note : Sr. No. - 6	Quoted rates will be valid for 3 years from the date of issuance of Work Order. For all those intimation orders which are issued on or before completion of 3 years from issuance of Work Order, quoted rates will be applicable. If GFGNL wants to connect any location after 3 years (with intimation order issued after 3 years of issuance of Work Order), then GFGNL & selected bidder(s) may mutually decide the revised rates as per prevailing market condition (revision may increase or decrease the rate of any line item).	Quoted rates will be valid for 3 years from the date of issuance of Work Order which can be mutually extended further for 2 years at the same terms & condition. For all those intimation orders which are issued on or before completion of 3 years from issuance of Work Order, quoted rates will be applicable. If GFGNL wants to connect any location after 3 years (with intimation order issued after 3 years of issuance of Work Order), then GFGNL & selected bidder(s) may mutually decide the revised rates as per prevailing market condition (revision may increase or decrease the rate of any line item).
9.	Clause – 5 : Selection criteria & allotment of work, Sr. No. – 5.3	There are separate financial bid tables provided for each zone on (n)Procure website. Bidder wanting to participate in multiple zones will have to submit financial bids for each zone separately in respective table. Evaluation will be done separately for each zone. The bidder with lowest bid (L1 – lowest sum total of “Grand Total – CO” in financial bid of any zone) will be selected for each zone.	There are separate financial bid tables provided for each zone on (n)Procure website. Bidder wanting to participate in multiple zones will have to submit financial bids for each zone separately in respective table. Evaluation will be done separately for each zone. The bidder with lowest bid (L1 – lowest sum total of “Grand Total – CO” in financial bid of any zone) will be selected for each zone. GFGNL reserves the rights to negotiate the rate of any line item(s) with selected bidder(s).
10.	Sub-contracting	Additional clause	Selected bidder(s) will be allowed to sub-contract only labour work like trenching & ducting, cable blowing / pulling, aerial cable installation etc. where labours execute the work in field. Selected bidder(s) will not be allowed to sub-contract the entire Project work to other organization, therefore selected bidder(s) will be responsible to execute & Project manage the work through its own on - role team members. Sub-contracting the labour work shall also not relieve the selected bidder(s) from any liability or obligation under the Contract.

Request for Proposal (RFP) for Selection of Project Implementation Agency (PIA) for Various Connectivity through BharatNet Network

Sr. No.	RFP Clause / Item Name	Original Clause	Revised Clause/ clarification																														
11.	Clause – 8 : O&M SLA & Penalties, Sr. No. – 8.4	Selected bidder(s) will have to deploy minimum 2 suitable manpower resources per zone (resource must have >=3 years of total telecom experience) in GFGNL’s office / NOC who will be responsible for assigning trouble tickets to field resources, coordination with their field manpower for fault resolution, coordination with GFGNL NOC & other Project stakeholders etc. Selected bidder(s) will have to deploy at least 1 manpower once total 50 connections are established by the bidder in a particular zone. 2nd manpower will be deployed once total 200 connections are established by the bidder in a particular zone. Bidder may increase manpower count in future if required at his own cost.	Selected bidder(s) will have to deploy minimum 2 suitable manpower resources per zone (resource must be BE (Bachelor of Engineering) / B.Tech degree holder and must have >=3 years of total telecom experience) in GFGNL’s office / NOC who will be responsible for assigning trouble tickets to field resources, coordination with their field manpower for fault resolution, coordination with GFGNL NOC & other Project stakeholders etc. Selected bidder(s) will have to deploy at least 1 manpower once total 50 connections are established by the bidder in a particular zone. 2nd manpower will be deployed once total 200 connections are established by the bidder in a particular zone. Bidder may increase manpower count in future if required at his own cost.																														
12.	Clause – 4 : Eligibility Criteria, Sr. No. - 2	<p>Criteria : The Lead Bidder’s Average Annual Turnover & Net worth must be as per below during last 3 years. (Purely from Telecom service business)</p> <table border="1"> <thead> <tr> <th>Bidder’s participating in</th> <th>Average Annual Turnover (Rs.)</th> <th>Net worth (Rs.)</th> </tr> </thead> <tbody> <tr> <td>1 zone</td> <td>>= Rs. 5 Cr</td> <td>>=Rs. 50 Lacs</td> </tr> <tr> <td>2 zones</td> <td>>= Rs. 10 Cr</td> <td>>=Rs. 1 Cr</td> </tr> <tr> <td>3 zones</td> <td>>= Rs. 15 Cr</td> <td>>=Rs. 1.5 Cr</td> </tr> <tr> <td>4 zones</td> <td>>= Rs. 20 Cr</td> <td>>=Rs. 2 Cr</td> </tr> </tbody> </table> <p>The Consortium member’s Average Annual Turnover must be >= Rs. 5 Cr & Net worth must be >= 50 Lacs during last 3 years (Purely from Telecom service</p>	Bidder’s participating in	Average Annual Turnover (Rs.)	Net worth (Rs.)	1 zone	>= Rs. 5 Cr	>=Rs. 50 Lacs	2 zones	>= Rs. 10 Cr	>=Rs. 1 Cr	3 zones	>= Rs. 15 Cr	>=Rs. 1.5 Cr	4 zones	>= Rs. 20 Cr	>=Rs. 2 Cr	<p>Criteria : The Lead Bidder’s Average Annual Turnover & Net worth must be as per below during last 5 years. (Purely from Telecom service business)</p> <table border="1"> <thead> <tr> <th>Bidder’s participating in</th> <th>Average Annual Turnover (Rs.)</th> <th>Net worth (Rs.)</th> </tr> </thead> <tbody> <tr> <td>1 zone</td> <td>>= Rs. 5 Cr</td> <td>>=Rs. 50 Lacs</td> </tr> <tr> <td>2 zones</td> <td>>= Rs. 10 Cr</td> <td>>=Rs. 1 Cr</td> </tr> <tr> <td>3 zones</td> <td>>= Rs. 15 Cr</td> <td>>=Rs. 1.5 Cr</td> </tr> <tr> <td>4 zones</td> <td>>= Rs. 20 Cr</td> <td>>=Rs. 2 Cr</td> </tr> </tbody> </table> <p>The Consortium member’s Average Annual Turnover must be >= Rs. 5 Cr & Net worth must be >= 50 Lacs during last 3 years</p>	Bidder’s participating in	Average Annual Turnover (Rs.)	Net worth (Rs.)	1 zone	>= Rs. 5 Cr	>=Rs. 50 Lacs	2 zones	>= Rs. 10 Cr	>=Rs. 1 Cr	3 zones	>= Rs. 15 Cr	>=Rs. 1.5 Cr	4 zones	>= Rs. 20 Cr	>=Rs. 2 Cr
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Sr. No.	RFP Clause / Item Name	Original Clause	Revised Clause/ clarification																				
		<p>business) irrespective of number of zones considered by the Consortium for bidding.</p> <p>Documents Required : Copy of the last three years (i.e. 2018-19, 2019-20 & 2020-21) audited financial statements /Audited Balance Sheet along with CA Certified Statement for turnover & net worth.</p>	<p>(Purely from Telecom service business) irrespective of number of zones considered by the Consortium for bidding.</p> <p>Documents Required : Copy of the last five years (i.e. 2016-17, 2017-18, 2018-19, 2019-20 & 2020-21) audited financial statements /Audited Balance Sheet along with CA Certified Statement for turnover & net worth.</p>																				
13.	Clause – 4 : Eligibility Criteria, Sr. No. - 3	<p>The Lead bidder or Consortium member must have experience of Laying, Installation, Testing, Commissioning & Maintenance of Optical Fibre Cable (Underground or Aerial), Duct and accessories as per below in last 3 years as on bid submission date.</p> <table border="1"> <thead> <tr> <th>Bidder's participating in</th> <th>Experience (Km)</th> </tr> </thead> <tbody> <tr> <td>1 zone</td> <td>>= 500 Kms</td> </tr> <tr> <td>2 zones</td> <td>>= 1000 Kms</td> </tr> <tr> <td>3 zones</td> <td>>= 1500 Kms</td> </tr> <tr> <td>4 zones</td> <td>>= 2000 Kms</td> </tr> </tbody> </table>	Bidder's participating in	Experience (Km)	1 zone	>= 500 Kms	2 zones	>= 1000 Kms	3 zones	>= 1500 Kms	4 zones	>= 2000 Kms	<p>The Lead bidder or Consortium member must have experience of Laying, Installation, Testing, Commissioning & Maintenance of Optical Fibre Cable (Underground or Aerial), Duct and accessories as per below in last 5 years as on bid submission date.</p> <table border="1"> <thead> <tr> <th>Bidder's participating in</th> <th>Experience (Km)</th> </tr> </thead> <tbody> <tr> <td>1 zone</td> <td>>= 500 Kms</td> </tr> <tr> <td>2 zones</td> <td>>= 1000 Kms</td> </tr> <tr> <td>3 zones</td> <td>>= 1500 Kms</td> </tr> <tr> <td>4 zones</td> <td>>= 2000 Kms</td> </tr> </tbody> </table>	Bidder's participating in	Experience (Km)	1 zone	>= 500 Kms	2 zones	>= 1000 Kms	3 zones	>= 1500 Kms	4 zones	>= 2000 Kms
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Sr. No.	RFP Clause / Item Name	Original Clause	Revised Clause/ clarification																				
15.	Clause – 4 : Eligibility Criteria, Sr. No. - 5	<p>The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of customer premise equipment (CPE) as per below in last 3 years as on bid submission date.</p> <table border="1"> <thead> <tr> <th>Bidder's participating in</th> <th>Experience</th> </tr> </thead> <tbody> <tr> <td>1 zone</td> <td>>= 300 CPEs</td> </tr> <tr> <td>2 zones</td> <td>>= 600 CPEs</td> </tr> <tr> <td>3 zones</td> <td>>= 900 CPEs</td> </tr> <tr> <td>4 zones</td> <td>>= 1200 CPEs</td> </tr> </tbody> </table>	Bidder's participating in	Experience	1 zone	>= 300 CPEs	2 zones	>= 600 CPEs	3 zones	>= 900 CPEs	4 zones	>= 1200 CPEs	<p>The Lead bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of customer premise equipment (CPE) as per below in last 5 years as on bid submission date.</p> <table border="1"> <thead> <tr> <th>Bidder's participating in</th> <th>Experience</th> </tr> </thead> <tbody> <tr> <td>1 zone</td> <td>>= 300 CPEs</td> </tr> <tr> <td>2 zones</td> <td>>= 600 CPEs</td> </tr> <tr> <td>3 zones</td> <td>>= 900 CPEs</td> </tr> <tr> <td>4 zones</td> <td>>= 1200 CPEs</td> </tr> </tbody> </table>	Bidder's participating in	Experience	1 zone	>= 300 CPEs	2 zones	>= 600 CPEs	3 zones	>= 900 CPEs	4 zones	>= 1200 CPEs
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17.	Clause – 7 : Implementation timeline and penalties, Milestone – 4	<p>Establishing end to end connectivity of location with SDC and successful testing of internet & intranet connectivity and signing of WCC (work completion certificate) from end customer</p> <p>(Deliverable: ITP sheets for completed work for OFC connectivity, link AT report for all type of connectivity, WCC)</p>	<p>Establishing end to end connectivity of location with SDC and successful testing of internet & intranet connectivity and signing of WCC (work completion certificate) from end customer GFGNL</p> <p>(Deliverable: ITP sheets for completed work for OFC connectivity, link AT report for all type of connectivity, WCC)</p>																				
18.	Clause – 2.2.4	Installation of indoor & outdoor Cat 5 cable	Installation of indoor & outdoor Cat 6 cable (Bidders are requested to read / consider "Cat 6 cable" w.r.to all the RFP clauses where "Cat 5 cable" is mentioned.																				
19.	Clause – 2.1.8	Maintenance, support services, warranty, annual maintenance contract etc. in respect of equipment supplied to the customer. All the active equipment,	Maintenance, support services, warranty, annual maintenance contract etc. in respect of equipment supplied to the customer. All the active equipment, voltage stabilizer, UPS & 6U rack must																				

Request for Proposal (RFP) for Selection of Project Implementation Agency (PIA) for Various Connectivity through BharatNet Network

Sr. No.	RFP Clause / Item Name	Original Clause	Revised Clause/ clarification
		voltage stabilizer ,UPS & 6U rack must be supplied with warranty of 5 years and all required licenses.	be supplied with warranty of 5 years and all required licenses. UPS battery must have 3 years of warranty.
20.	CPE (customer premise equipment) L3 router – Option 1	Routing protocol : Static IPv4 routing	Routing protocol : Static IPv4 routing, static IPv6 routing
21.	CPE (customer premise equipment) L3 router – Option 2	Routing protocol : Static IPv4 routing	Routing protocol : Static IPv4 routing, static IPv6 routing
22.	Clause – 7 : Implementation timeline and penalties, Milestone – 2	Penalty : Rs. 50 per day per location	Penalty : Rs. 500 per day per location
23.	Clause – 7 : Implementation timeline and penalties, Milestone – 4	Penalty : Rs. 100 per day per location	Penalty : Rs. 1000 per day per location
24.	Clause – 8 : O&M SLA & Penalties, Sr. No. – 1	1. Uptime : >= 98.00%, Penalty : Nil 2. Uptime : >= 97.00% & < 98.00 %, Penalty : 1% of quarterly opex charges to be paid for respective site	1. Uptime : >= 99.50%, Penalty : Nil 2. Uptime : >= 97.00% & < 99.50 %, Penalty : 2% of quarterly opex charges to be paid for respective site
25.	Clause – 8 : O&M SLA & Penalties, Sr. No. – 8.2	If any site/ location will be down for more than 48 Hrs due to any reason attributable to the selected bidder(s), a onetime additional penalty of Rs. 500 per location per instance will be levied.	If any site/ location will be down for more than 24 Hrs due to any reason attributable to the selected bidder(s), an onetime additional penalty of Rs. 500 per day per location per instance will be levied.

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Sr. No.	RFP Clause / Item Name	Original Clause	Revised Clause/ clarification
26.	Clause – 8 : O&M SLA & Penalties, Note – 3	Maximum penalty ceiling for any particular site / location shall be equal to 20% of the total quarterly opex charges to be paid for respective site.	Maximum penalty ceiling (excluding RFP clause – 8.2 with updated clause in this corrigendum as per sr. no. – 27 of Revised Clause) for any particular site / location shall be equal to 20% of the total quarterly opex charges to be paid for respective site.
27.	Clause – 2.2.1.2	Depth of Trench : Less than 500 mm Recommended Protection : 100 mm dia ON SITE pcc	Depth of Trench : Less than 500 mm Recommended Protection : 100 mm * 100 mm dia on – site PCC
28.	Clause – B, Sr. No. – 9: Proposal due date (last date & time of Tender submission)	Tender should be submitted before 22.12.2021 at 02:00 pm . Bidder shall upload their bids on https://www.gfgnl.nprocure.com	Tender should be submitted before 31.12.2021 at 02:00 pm . Bidder shall upload their bids on https://www.gfgnl.nprocure.com
29.	Clause – B, Sr. No. – 10: Date & Time of opening of Tender	Technical Qualification documents will be opened on 22.12.2021 at 03:00 pm in the presence of bidders' representatives. Qualified bidders would be subsequently informed later about the date, time and venue for price bid opening.	Technical Qualification documents will be opened on 31.12.2021 at 03:00 pm in the presence of bidders' representatives. Qualified bidders would be subsequently informed later about the date, time and venue for price bid opening.

Annexure – X : Additional Technical Specifications

UPS

Sr. No.	Parameters	Minimum Specifications
1.	Capacity	1 KVA or more Line Interactive
2.	Technology	Automatic Voltage Regulation
3.	Input Frequency Range	50 Hz +/- 5%
4.	Output Frequency Range	50 Hz +/- 2%

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5.	Output Voltage	2000VAC - 250VAC (Output range should be in between this)
6.	Voltage Regulation	With variation against rated, the outer bounds (Output Voltage: 200 - 250 V) should not be crossed
7.	Output Waveform	Modified sine Wave
8.	Output Power Factor	0.6 or more
9.	Battery Backup	Minimum backup of 120 Minutes on full load @ 0.6 pf or better
10.	Battery Type	Lead acid Sealed Maintenance Free (SMF) (UPS battery should be replaced after 3 years of installation and installed new battery should have minimum 3 years warranty.)
11.	General Operating Temperature	0 to 45 Degree Celsius
12.	Alarms & Indications	All necessary alarms & indications essential for performance monitoring of UPS like mains fail, low battery
13.	Bypass	Automatic and Manual Bypass Switch
14.	Protection	Fuse protection

Optical Wireless Communication (OWC) / FSO / Li-Fi

Sr. No.	Parameters	Minimum Specifications
1	Operating Optical Wavelength	1550 / 730-780 nm
2	Distance support	Up to 10 Km
3	Throughput support	Minimum 1 Gbps per link
4	Ports	1 X 10/100/1000-BASE-T Ethernet or Fiber interfaces with SC multi or single mode options
5	Electrical requirement	AC 100 – 240 V, 50 – 60 Hz or DC 48 ± 12 V
6	Management	System must provide alarm and control capabilities via Simple Network Management Protocol (SNMP) / MIB File / IP-Firmware

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Sr. No.	Parameters	Minimum Specifications
7	Environment requirements	Operating Temperature support : -20 degrees C to +60 degrees C (in installed condition)
8		Working Humidity support : between 10% - 95%, non-condensing at all operating temperatures
9		It should be IP65 and wind survivability for minimum 150 Kmph
10		System should be suitable to withstand continuous exposure to rain and sunlight.
11	Safety Classification	Laser safety IEC 60825, Class 1M

Annexure – VII : Revised Financial Bid Format

Sr. No.	Description	UoM	Quantity	Rate (excluding tax)	Amount (Rs.)
			(A)	(B)	(C=A*B)
A	Services - Passive Infrastructure for underground OFC laying				
1	Excavation of trench with 1 Mtr depth including HDPE-PLB duct laying, backfilling, compaction, reinstatement after laying of HDPE-PLB pipe and installation of protection mechanism (DWC pipe, on – site PCC RCC half round pipe etc. for the cases of low depth as per RFP)	Mtr	2,50,000		
2	Horizontal directional drilling including duct pulling	Mtr	25,000		
3	Manual mauling / boring including duct pulling	Mtr	12,500		
4	OFC blowing in duct / pulling of any size of cable with size of less than or equal to 24F	Mtr	2,50,000		
5	Installation of MH / HH	No.	1,250		
6	Installation of route indicator	No.	1,250		
B	Services - Passive Infrastructure for aerial OFC laying				

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Sr. No.	Description	UoM	Quantity	Rate (excluding tax)	Amount (Rs.)
			(A)	(B)	(C=A*B)
1	Aerial cable laying on existing pole / new pole including required accessories	Mtr	10,00,000		
2	Installation of new pole	No.	200		
C	Services - Passive Infrastructure for wireless link				
1	Installation of 3 mtr pole including required RCC / foundation work & material required for same (excluding pole)	No.	75		
2	Installation of 6 mtr pole including required RCC / foundation work & material required for same (excluding pole)	No.	75		
3	Installation of 9 mtr pole including required RCC / foundation work & material required for same (excluding pole)	No.	75		
4	Installation of 12 mtr mast including required RCC / foundation work & material required for same (excluding pole)	No.	10		
5	Installation of 15 mtr mast including required RCC / foundation work & material required for same (excluding pole)	No.	5		
6	Installation of 18 mtr mast including required RCC / foundation work & material required for same (excluding pole)	No.	3		
7	Installation of 21 mtr mast including required RCC / foundation work & material required for same (excluding pole)	No.	3		
8	Installation of 24 mtr mast including required RCC / foundation work & material required for same (excluding pole)	No.	3		
9	Installation of 27 mtr mast including required RCC / foundation work & material required for same (excluding pole)	No.	3		
10	Installation of 30 mtr mast including required RCC / foundation work & material required for same (excluding pole)	No.	3		
D	Services - Passive Infrastructure				
1	Splicing of loose tube fibre with loose tube fibre including cable preparation of both cables and acceptance testing	Each fiber joint	2,000		

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Sr. No.	Description	UoM	Quantity	Rate (excluding tax)	Amount (Rs.)
			(A)	(B)	(C=A*B)
2	Splicing of loose tube fibre with ribbon fibre including cable preparation of both cables and acceptance testing	Each fiber joint	250		
3	Installation of compass (WSC) for fibre termination including splicing of up to 8 fibre cores with pigtails and acceptance testing	No.	2,250		
4	Installation of 6U wall mounted rack including supply of electrical cable for power connection, MCB and energizing the rack with electrical power	No.	1,000		
5	Installation of DWC pipe at / inside customer premise	Mtr	750		
6	Installation of PVC pipe at / inside customer premise	Mtr	11,250		
7	Preparation of earthing pit for road earthing / chemical earthing including supply of all required material for earthing & successfully achieving desired earth value as per RFP	Each	625		
8	Installation of outdoor Cat 6 cable including required accessories, connector etc.	Mtr	6,000		
9	Installation of indoor Cat 6 cable including required accessories, connector etc.	Mtr	6,000		
E	Services - Active Infrastructure				
1	Installation, configuration, commissioning and acceptance testing of CPE (customer premise equipment) and a pair of Optical to Ethernet converter(s)	No.	2,250		
2	Installation, configuration, commissioning and acceptance testing of point to point UBR radio link including earthing, lightening arrester, clamps, RF & electrical cables etc.	No.	50		
3	Installation, configuration, commissioning and acceptance testing of Base Station site radio for point to multipoint radio link including earthing, lightening arrester, clamps, RF & electrical cables etc.	No.	50		

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Sr. No.	Description	UoM	Quantity	Rate (excluding tax)	Amount (Rs.)
			(A)	(B)	(C=A*B)
4	Installation, configuration, commissioning and acceptance testing of Remote Station site radio for point to multipoint radio link including earthing, lightening arrester, clamps, RF & electrical cables etc.	No.	200		
5	Installation, configuration, commissioning and acceptance testing of point to point Li-Fi / FSO link including earthing cable, lightening arrester, clamps/fixtures, optical patch cord & electrical cables etc.	Each	13		
6	Installation, configuration, commissioning and acceptance testing of CPE (customer premise equipment – L3 router & L2 switch)	No.	2,500		
F	Material Supply - Passive Infrastructure				
1	Optical fibre cable - 24F loose tube	Mtr	2,50,000		
2	Optical fibre cable - 12F loose tube	Mtr	2,00,000		
3	Optical fibre cable - 8F loose tube	Mtr	2,00,000		
4	Optical fibre cable - 6F loose tube	Mtr	2,00,000		
5	Optical fibre cable - 4F loose tube	Mtr	2,00,000		
6	Optical fibre cable - 2F loose tube	Mtr	2,00,000		
7	HDPE - PLB duct	Mtr	2,50,000		
8	MH / HH (joint / loop chamber)	No.	1,250		
9	Route indicator	No.	1,250		
10	6U wall mounted rack including fan, power strip & cable manager	No.	1,000		
11	DWC pipe	Mtr	750		
12	Various material for on – site PCC half round pipe	Mtr	12,500		
13	New pole for aerial cable installation	No.	200		
14	Miscellaneous items required at customer location like MCB, electrical cable, earthing cable, compass, PVC pipe, patch cord (optical & Cat 6) etc.	Lot	2,500		
15	3 mtr pole including all accessories	No.	75		

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Sr. No.	Description	UoM	Quantity	Rate (excluding tax)	Amount (Rs.)
			(A)	(B)	(C=A*B)
16	6 mtr pole including all accessories	No.	75		
17	9 mtr pole including all accessories	No.	75		
18	12 mtr mast including all accessories	No.	10		
19	15 mtr mast including all accessories	No.	5		
20	18 mtr mast including all accessories	No.	3		
21	21 mtr mast including all accessories	No.	3		
22	24 mtr mast including all accessories	No.	3		
23	27 mtr mast including all accessories	No.	3		
24	30 mtr mast including all accessories	No.	3		
25	Outdoor Cat 6 cable including required accessories, connector etc.	Mtr	6,000		
26	Indoor Cat 6 cable including required accessories, connector etc.	Mtr	6,000		
G	Material Supply - Active Infrastructure				
1	CPE (customer premise equipment) L3 router – Option 1	No.	1,300		
2	CPE (customer premise equipment) L3 router – Option 2	No.	900		
3	CPE (customer premise equipment) L2 manageable switch – 24 ports	No.	100		
4	CPE (customer premise equipment) L2 manageable switch – 8 ports	No.	200		
5	Pair of Optical to Ethernet converter(s) (1 no. OtoE + 1 no. EtoO)	Each	2,250		
6	Point to point UBR radio set including earthing cable, lightening arrester, clamps/fixtures, RF & electrical cables etc.	Each	50		
7	Base Station site radio for point to multipoint radio link including earthing cable, lightening arrester, clamps/fixtures, RF & electrical cables etc.	Each	50		
8	Remote Station site radio for point to multipoint radio link including earthing cable, lightening arrester, clamps/fixtures, RF & electrical cables etc.	Each	200		

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Sr. No.	Description	UoM	Quantity	Rate (excluding tax)	Amount (Rs.)
			(A)	(B)	(C=A*B)
9	Point to point Li-Fi / FSO link set including earthing cable, lightening arrester, clamps/fixtures, optical patch cord & electrical cables etc.	Each	13		
10	Voltage stabilizer	No.	2,500		
11	UPS 1KVA	No.	500		
Grand Total – C0					

Annexure – I : Revised Bid Document checklist

#	Documents to be submitted	Submitted (Y / N)	Documentary Proof (Page No.)
Qualification Criteria			
1.	Demand Draft as bid processing fee		
2.	EMD as Bid Security (DD/ BG as per Annexure V)		
Technical Qualification			
3.	Cover Letter (Annexure I)		
4.	Bidder's information sheet (Annexure II)		
5.	Enclose copy of Certificate of Incorporation/ Registration Certificate of the firm		
6.	Copy of Certificate from the Statutory auditor/CA clearly specifying the annual turnover & net worth for the specified years. (2016-17, 2017-18, 2018-19, 2019-20 & 2020-21)		
7.	Copy of Class A/B/C ISP & NLD/Access Service license issued by DoT/TRAI.		
8.	PO copy for successful execution of minimum 50 Internet Links for government		
9.	Copy of last 2 quarters report & 3 year's old report submitted to Licensor (DoT)		
10.	Documents to prove technical experience		

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11.	Copy of proof of office address		
12.	Acknowledgement/ Copies of Income tax refund (ITR) filed for last three financial years i.e. 2018-19, 2019-20 & 2020-21		
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		
16.	MAF & TSEC / Type Approval Certificate / AT certificate or copy of Application for fresh TSEC/TAC/AT certificate as applicable.		
17.	Self-certification by the bidder's HR head on bidder's letter head mentioning no. of employees		
18.	Self-certification from bidder and OEMs on Non-Judicial stamp of Rs. 300/- in the prescribed format (Annexure – IX)		
19.	Memorandum of Understanding (MoU) / Consortium Agreement in case of consortium		
Financial Proposal			
20.	Commercial bid		

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