

## **Corrigendum – V**

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

Reference No: GFGNL/GFG/e-file/263/2022/0113/Commercial-Utilization

26<sup>th</sup> May 2023



### **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 otherspecifications, 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      | Section- 5, Clause No. - 5.2, Sl. No.- 3, 4 & 5 | Eligibility Criteria | 26       | (Work order / Purchase order / Contract) And <b>Work Completion Certificate</b><br>Note – 1: Bidder will have to produce necessary supporting documents other than mentioned above to clearly prove <b>completion of work</b> in last 3 years.<br>Note – 2: Bidder can submit separate documents for Project and O&M experience. | Since OFC projects are time consuming in nature and last for years, partial completion of the work order for the desired scope should also be considered for experience eligibility. | Bidder may submit client certificate of completed Project scope experience (in case of partially completed project) and O&M experience with Work order copy. If required line item wise supporting documents may asked by GFGNL , bidder has to submit accordingly. |

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

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|--------|--|----------------------|----------|--|--|---|
| 2      | Section- 10, Clause No.- 10.7            | Payment Schedule     | 50       | Subcontracting - 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 <b>its own on - role team members</b> . Sub-contracting the labour work shall also not relieve the selected bidder(s) from any liability or obligation under the Contract. | The project involves multiple active components from different OEMs viz. GPON equipments, LiFi, Radio, Routers and Switches and their EMS. The responsibility of the installation, configuration and inter-operability lies with the PIA and specific manpower with each component will be required to be arranged by them so this requirement of having team members <b>on roll of the PIA</b> should be deleted. | Active component installation and commissioning may done through OEM ,however project overall execution and project management work must be through its own on-role team members. |
| 3      | Section- 5, Clause No. - 5.2, Sl. No.- 9 | Eligibility Criteria | 27       | The Lead bidder must have minimum 50 technical team working for bidder directly on their role.   | Kindly clarify the document that is to be furnished i.e. self-certification mentioning number of employees or self-certification of minimum 50 technical teams.<br><br>Further, if it is the self-certification of 50 technical teams then please clarify the definition of the teams.   | Refer Corrigendum Revised Clause  |

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

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| 4      | 5. Eligibility Criteria          | Eligibility Criteria | 27 & 28  | <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 &amp; voltage stabilizer) 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 &amp; radio).</p> <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</p> | <p>NO TEC GR is available for such OFC. Kindly suggest which TEC GR will be followed. Time taken for TSEC of cable is 60 days approx. Hence participation in tender will be allowed.</p> | <p>1. G.657.A1 cable will be accepted for both aerial and UG. For UG application, bidder can also supply G.652D armoured cable complying to minimum technical specification of the RFP.</p> <p>2. 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. For any UG cable, TEC-GR-TX-OFC-020-01-MAR-11 or latest amendments if any .</p> <p>3. 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</p> |

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

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| 5      | Annexure – X: Technical Specifications-Clause 3,4   | Cable construction | 70       | Loose tube with jelly compound   | <p>i) As per clarification received we understand that 2-12F count Uni tube ADSS Unarmoured cables to be offered and reference GR number seems to be TEC/GR/TX/OFC-024/01/MAR-15 with latest ammendments. Kindly confirm GR to be followed for these cables.</p> <p>ii) As per clarification received we understand that for 24 &amp; 48F count Multi tube armored cable with 6 loose tubes to be offered. Kindly suggest TEC GR to be followed for these cables if any.</p> | <p>1. Correct, No Change-As per RFP</p> <p>2.TEC-GR-TX-OFC-020-01-MAR-11-</p> |
| 6      | Annexure – X: Technical Specifications-Clause 7,8,9 | Application        | 70       | 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. | For ADSS unarmoured application, kindly suggest loading conditions (Span, wind speed, Tensile load)  | No Change- As per RFP -Refer GR- <b>TEC-GR-TX-OFC-024-01-MAR-15</b>           |

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

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| 7      | 5. Eligibility Criteria          | Eligibility Criteria | 27 & 28  | <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 &amp; voltage stabilizer) 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 &amp; radio).</p> <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</p> | <p>NO TEC GR is available for such OFC. Kindly suggest which TEC GR will be followed. Time taken for TSEC of cable is 60 days approx. Hence participation in tender will be allowed.</p> | <p>Duplicate-Refer Sr. 4</p> |

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

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| 8      | Annexure – X: Technical Specifications-Clause 3,4   | Cable construction     | 70       | Loose tube with jelly compound   | <p>i) As per clarification received we understand that 2-12F count Uni tube ADSS Unarmoured cables to be offered and reference GR number seems to be TEC/GR/TX/OFC-024/01/MAR-15 with latest ammendments. Kindly confirm GR to be followed for these cables.</p> <p>ii)As per clarification received we understand that for 24 &amp; 48F count Multi tube armored cable with 6 loose tubes to be offered. Kindly suggest TEC GR to be followed for these cables if any.</p> | Duplicate-Refer Sr. 5  |
| 9      | Annexure – X: Technical Specifications-Clause 7,8,9 | Application            | 70       | 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. | For ADSS unarmoured application, kindly suggest loading conditions (Span, wind speed, Tensile load)   | Duplicate-Refer Sr. 6  |
| 10     | Financial Bid                                       | S.No.8 & 9 CAT 6 Cable | 61       | Installation of outdoor Cat 6 cable including required accessories, connector etc. Installation of indoor Cat 6 cable including required accessories, connector etc.   | Please confirm the specification for Outdoor CAT 6 cable and Indoor CAT 6 Cable.  | <p>i) Outdoor Cat 6 cable must have HDPE jacket so that it can be installed under ground (wherever required) &amp; the cable must be rugged, durable &amp; rodent resistant.</p> <p>ii) Both Indoor/Outdoor Cat 6 cable must follow standard industry grade and acceptable to GFGNL field authorized team.</p> |

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

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| 11     | Financial Bid                                    | S.No.12 & 13 Wall Mount Rack | 63       | 3U wall mounted rack including fan, power strip & cable manager.<br>2U wall mounted rack including fan, power strip & cable manager. | Please confirm , As per requirement 4U Rack can be accommodate all accessories , however 3U rack can not accommodate all the accessories as per requirement so confirm the requirement is 4U with accessories or 3U without accessories.<br>For 2U we are not able to accommodate the mentioned accessories can we provide unloaded rack.<br><br>Also, Please provide the application of rack to get clarification for our side | As per RFP-No Change  |
| 12     | Optical Splitter 1:2, Splitter 1:4, Splitter 1:8 | Eligibility Criteria         | 84       | As per TEC GR No. TEC/GR/TX/OPT-001/01/ APRIL-12 with latest amendments.(Rack Mounted)   | Request you to accept TSEC/QF103 registration obtained against TEC GR TEC/GR/TX/OPT-001/01/ APRIL-12 with latest amendments (Wall/Rack Mount).It would be helpful during installations based on field requirements.   | As per RFP-No Change  |
| 13     | As per Corrigendum-III                           | Financial Bid Form           | 140      | Other materials-Fibre Joint closure  | Kindly clarify the specification and capacity for Joint Closure.  | Fibre Joint Closure must be standard industry grade.  |
| 14     | As per Corrigendum-III                           | Financial Bid Form           | 140      | 12 FDMSFTB (Fully loaded including enclosure) as per as per TEC GR. GR/FDM-01/02. APR 2007   | For FDMSFTB (Fully loaded including enclosure) as per as per TEC GR. GR/FDM-01/02. APR 2007 , kinly confirm ,is it FTB or FDMS? If it is FDMS, Which type of FDMS should be followed and what is the type of adaptor and it's polishing? Kindly clarify.  | i) < 12 core fibre should be terminated with FTP/compass, while > =12 core fibre will be terminated with FDMS/FTP;<br>ii)SCAPC type connector |

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

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| 15     | Mini GPON OLT 4 Port - Compatible with GFGNL Device – OLT, ONT, Switch,..etc  | SI No.1  Management Ports           | 125                       | 1# 1G BASE-T Management port, 1#RJ45 CONSOLE port, 1#USB2.0,User friendly GUI Management               | i) In order to meet the functional Requirement of Management of OLT, OEM OLT Should have Craft /local login page attributes should be accessible remotely without any physical engineer presence Via in-band/DCN management,<br><br>ii)OLT management should Via Either BASE-T Management port/RJ45 CONSOLE port/USB2.0. | i) Remote accessibility is required<br><br>ii)As per RFP-No Change |
| 16     | Mini GPON OLT 4 Port - Compatible with GFGNL Device – OLT, ONT, Switch,..etc  | 9 Operation Temperature             | 127                       | : -5 °C to 65 °C   | Request you to include Realistic practical Temperature of min & Maximum based on the Gujarat Geghyical Request you to modify: 0 °C to 60 °C  | Agree  |
| 17     | CPE (customer premise equipment) L2 manageable switch – 8 & 24 ports          | 6. Operation Temperature 0 to 50 °C | 63                        | We Request you to please modify 0 degC to +60 deg Considering the Gujarat Environmental considerations | Switch's will be going to deploy on field also so requesting you to include Realistic practical Temperature of min & Maximum based on the Gujarat Geghyical Request you to modify: 0 °C to 60 °C   | As per RFP-No Change   |
| 18     | CPE (customer premise equipment) L2 manageable switch – 8 & 24 ports          | Eligibility Criteria                | 3                         | Clause no: 5 Eligibility Criteria, In Table Serial no:8  | 1. Mandatory Testing and Certification of Telecom Equipment (MTCTE) ,<br><br>2.MTCTE Procedure (ver 2.1/Release May 2021) with Amendment Dated 19.11.2022 and 23.03.2023 supersedes procedure no. TEC/MP/DD/TCP-711/02.Oct18.<br><br>2. VAPT Certified product   | As per RFP-No Change   |
| 19     | Mini GPON OLT 4 Port - Compatible with GFGNL Device – OLT, ONT, Switch,..etc. | OLT                                 | page 127 of corrigendum 3 | Indian Telecom Authority TEC guidelines  | All the Specs of GPON OLT & ONT Offered product or any product from the same family/series of the offered product should have TSEC certified in last 2 years( 2021-2022) against TEC GR No. GR/PON-01/02 APRIL 2008 or TEC/GR/TX/PON-02/01.MAY-2013or Latest"  | As per RFP-No Change   |

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

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| 20     | Add This New                     | MII                |          | Implement make in India Policy request you to implement Make in India Policy of Government of PMA policy is made mandate by MoUD via notification D.O. No. K-14012/101(17)/2017-SC-III-A dated 27th April 2017. | <p>i) Tender should have a clause saying that GOI Preferential Market Access Policy to promote domestic manufacturing under Make in India is applicable in this project- as per the following notifications.</p> <p>ii) This PMA policy is made mandate by MoUD via notification D.O. No. K-14012/101(17)/2017-SC-III-A dated 27th April 2017. Please do confirm the implementation of the policy.</p> <p>iii)Tender ref. no.- GFGNL/DST/BharatNet – PIA/2018/26 for “Selection of Project Implementing Agency for BharatNet Phase-II project in the State of Gujarat under Gujarat Fibre Grid Network Limited. (Tender copy attached)</p> | As per RFP-No Change   |
| 21     | Add This New                     | Add This New       |          | 5.3.3 16 Port Managed L2 Switch: EMS functionality not mentioned  | We do understand that all these switches should be managed via existing management system which was deployed in BharatNet phase I. kindly confirm  | As per RFP-No Change   |
| 22     |                                  | Rejection Criteria |          | Bids without Power of Attorney and any other document consisting of adequate proof of the ability of the authorized signatory to bind the Bidder.   | format of Power of attorney (lead Bidder)  | Lead bidder has to provide letter of Authorization /Power of Attorney (with board resolution) to sign this bid on his/her company letter head. |

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

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| 23     | Mini GPON OLT 4 Port - Compatible with GFGNL Device – OLT, ONT, Switch,..etc.- Corrigendum III | Operation Temperature | 82 & 57  | Temperature   | <p>WRT this clause, as per Corrigendum III, it is mentioned that "Please refer Corrigendum".</p> <p>However, we do not see any response / revised clause for this.</p> <p>In TEC GR &amp; QM-333, the OLTs are categorized under B2 and the Operating Temperature is 0C to 50C centigrade.</p> <p>So, we kindly request you to modify this clause as follows</p> <p>Operating Temperature as 0 °C to 50 °C.</p> | As per RFP-No Change      |
| 24     | 7.15   | Rejection Criteria    | Page 36  | Bids without Power of Attorney and any other document consisting of adequate proof of the ability of the authorized signatory to bind the Bidder. | <p>Format of Power of attorney (lead Bidder), is not shared in Tender document.</p> <p>Only Annexure -XI - Form Of Power Of Attorney for Consortium is shared. Please Clarify.</p>  | Duplicate Refer-Sr Nu 22  |

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

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| 25     | Corrigendum – III                      | Eligibility Criteria                              |          | 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,GPON OLT & ONT | Radio GR not mentioned in tender document. Request you to please specify GR no or remove from this clause  | As per RFP-No Change                   |
| 26     | Corrigendum – III                      | Price Schedule<br>Row no 33                       |          | Optical fibre cable - 48F armored fiber : 50,000 mtr  | Request you to clarify , why there are 2 line items for same Product ( 48F Armoured) is mentioned  | Refer Corrigendum- IV ( Financial Bid) |
| 27     | Corrigendum – III                      | Price Schedule<br>Row no 34                       |          | Other materials-Fibre Joint closure   | Please specify Capacity of Joint Closure i.e 24F or 48F  | 48F standard joint closure             |
| 28     | Annexure – X: Technical Specifications | Optical to Ethernet media converter (Manageable ) | 74       | <b>Specification</b><br>Optical to Ethernet media converter (Manageable )   | Technical Specification for Managed media converter are provided in the RFP but in corrigendum - III, this line item has been removed from Bills of Material and Price bid. Hence, we assume that managed media converter is not required and it is not mandatory for bidder to provide compliance of given specification of Optical to Ethernet media converter (Manageable)<br><br>Kindly confirm. | Correct                                |

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

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| 29     | Annexure – X: Technical Specifications | Splitter                    | 84       | Optical Splitter<br>1. SPLITTERS 1:2: As per TEC GR No. TEC/GR/TX/OPT-001/01/ APRIL-12 with latest amendments.(Rack Mounted)<br>2. SPLITTERS 1:4: As per TEC GR No. TEC/GR/TX/OPT-001/01/ APRIL-12 with latest amendments. (Rack Mounted)<br>3. SPLITTERS 1:8: As per TEC GR No. TEC/GR/TX/OPT-001/01/ APRIL-12 with latest amendments. (Rack Mounted)               | We assume that bidder has to supply Splitter as per TEC-GR and TSEC is not mandatory as per Corrigendum III, page no-108 sr. no. 8 revised clause for TSEC<br><br>Kindly confirm.   | For Optical Splitter it is mandatory<br>1. SPLITTERS 1:2: As per TEC GR No. TEC/GR/TX/OPT-001/01/ APRIL-12 with latest amendments.(Rack Mounted)<br>2. SPLITTERS 1:4: As per TEC GR No. TEC/GR/TX/OPT-001/01/ APRIL-12 with latest amendments. (Rack Mounted)<br>3. SPLITTERS 1:8: As per TEC GR No. TEC/GR/TX/OPT-001/01/ APRIL-12 with latest amendments. (Rack Mounted) |
| 30     | Corrigendum III                        | Query Response - Sr. No. 59 | 39       | <b>Response</b><br>Refer Clause: 2.2.2 ,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 FGNL official. | "As per the clarification given in corrigendum III, for ADSS work to be done as per GR guideline and supply material as per TEC-GR given in corrigendum III response. Requesting you to add supply and service item in Bills of material for ADSS accessories (like cable storage bracket, Cable Suspension set, tension set etc) as per TEC GR. Request you to kindly clarify the quantification of ADSS Accessories per KM OR Meter required. | As per RFP-No Change   |

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

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| 31     | Corrigendum III                  | Query Response - Sr. No. 146 | 76       | <p><b>Query</b><br/>We understand that necessary rack space with required managed uninterepted power and cooling infra will be provided by tenderer, for EMS H/W installation. Request you to kindly confirm the same.</p> <p><b>Response</b><br/>Infra (Space, power and Storage) can be provided by GFGNL, Procurement of licenses for the software products like OS, Database or any other third party software required to run the application (web application and mobile applications) with enterprise support/ATS/AMC for production environment</p> | <p>As per clarification, we assume that GFGNL will provide Power, Space, Storage (Server, VM, Resource, Data Storage etc) to install software application.</p> <p>Kindly confirm.</p> | Correct                   |

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

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| 32     | Corrigendum III                  | Query Response - Sr. No. 60 | 40       | <p><b>Query</b><br/>                     1. In the BoQ there is line item for installation of DWC pipe at customer premises for a length of 2250 Mtrs and also for supply of DWC pipe for a length of 750 mtrs. However there is no specification of the type of DWC required such as class of DWC, diameter of DWC, TSEC required, the same may be specified.</p> <p><b>Response</b><br/>                     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, 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</p> | <p>We assume that the Bidder is required to supply and install 63mm DWC Pipe as per relevant TSEC applicable for the same</p> <p>Please confirm.</p> | Correct                   |

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

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| 33     | Corrigendum III                  | Query Response - Sr. No. 148 | 77       | <p><b>Query (Sr. No. 148)</b><br/>After 3 years of such warranty period on UPS Battery, GFGNL shall bear the cost of replacement of same. Please confirm.</p> <p><b>Response</b><br/>Correct</p> <p><b>Query Sr. No 23 Page 12/146</b><br/>Kindly clarify whether warranty required is for 3 years or 5 years as it will lead to unnecessary loading of bid if not clarified. As per our understanding UPS batteries will have 3 years of warranty. Beyond 3 years of warranty of UPS batteries will not be in the scope of PIA. Please confirm.</p> <p><b>Response</b><br/>Yes, Correct</p> <p><b>UPS Specification at page no 78 of RFP</b><br/><b>Sr. No. 10 - Battery Type</b><br/>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.)</p> | <p>As per the clarification given in corrigendum III, Bidder has to supply Battery with 3 years warranty and do not required to replace / repair after 3 Years, Purchaser will bear the cost of replacement.</p> <p>Hence, we assume that Sr. No. 10 of UPS Specification should be deleted.</p> <p>Please confirm.</p> | Rer Corrigendum           |

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

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|--------|----------------------------------|------------------------------|----------|--|--|---|
| 34     | Corrigendum III                  | Query Response - Sr. No. 151 | 78       | <p><b>Requirement</b><br/>The bidder shall be responsible for providing Software (System Software, Application Software, Device Drivers, IOS, etc.) required, if any, to meet any additional requirements during the currency of the Agreement without any additional cost to Tenderer. All license software must be in the name of GFGNL, Gujarat.</p> <p><b>Query</b><br/>Please provide more details of such software requirement</p> <p><b>Response</b><br/>GFGNL will share details to Selected bidder once on boarded</p>  | <p>We assume that bidder is responsible to provide software &amp; application against given Bills of Material &amp; price-bid as per RFP.</p> <p>Please confirm.</p>                           | Correct   |
| 35     | Corrigendum III                  | Revised Clause Sr. No. 8     | 108      | <p><b>Revised Clause as per below</b><br/>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 &amp; voltage stabilizer) 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 &amp; radio, GPON OLT &amp; ONT).</p> | <p>We assume that for there is no any reference for RADIO (P2P and P2MP) TSEC so it is not mandatory however it must be comply with GFR 144v(Land Border) guideline</p> <p>Kindly confirm.</p> | Please refer Compliance specification Sr Number 8 in "P2P & P2MP unlicensed radio " |

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

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|--------|----------------------------------|---|----------|--|---|--|
| 36     | Corrigendum III                  | Annexure – VII : Revised Financial Bid Format | 132      | <p><b>Material Supply - Passive Infrastructure</b><br/>Optical fibre cable - 48F loose tube Armoured cable Mtr 1,00,000</p> <p>Optical fibre cable - 48F armoured fiber Mtr 50,000</p>   | As the same item i.e. Optical fibre cable - 48F loose tube Armoured cable has been mentioned twice (at Sr. No. 1 and Sr. No. 33) in Financial Bid Format, we understand total requirement of 48F loose tube Armoured OFC is 1,50,000 Mtr. Please confirm. | Sr. No. 33 is removed from updated Financial Bid       |
| 37     | Corrigendum III                  | Annexure – VII : Revised Financial Bid Format | 132      | <p><b>Services - Passive Infrastructure</b><br/>6. Installation of PVC pipe at / inside customer premise Mtr 33,750<br/>38. Installation of PVC pipe at inside customer premise Nos. 33,750</p>  | <p>We understand that Sr. No. 38 to be read as 'Supply of PVC pipe at inside customer premise.</p> <p>Kindly confirm.</p>   | As per RFP-No Change                                   |
| 38     | Corrigendum III                  | Annexure – VII : Revised Financial Bid Format | 132      | <p><b>D. Services - Passive Infrastructure</b><br/>3 Installation of compass (WSC) for fibre termination including splicing of up to 8 fibre cores with pigtailed and acceptance testing <b>No. 6,750</b></p>  | <p>Installation line item for Compass (WSC) is given however supply line item is missing in Bills of material.</p> <p>We understand supply of this item is not in the scope of Bidder and has to be provided by GFGNL. Please confirm.</p>                | Material+Service need to quote against given line item |
| 39     | Corrigendum III                  | Annexure – VII : Revised Financial Bid Format | 132      | <p><b>Material Supply - Passive Infrastructure</b><br/>12 FDMSFTB (Fully loaded including enclosure) as per as per TEC GR. GR/FDM-01 /02. APR 2007 <b>Nos. 300</b><br/>24 FDMSFTB (Fully loaded including enclosure) as per as per TEC GR. GR/FDM-01 /02. APR 2007 <b>Nos. 100</b><br/>48 FDMSFTB (Fully loaded including enclosure) as per as per TEC GR. GR/FDM-01 /02. APR 2007 <b>Nos. 100</b></p> | <p>Material Supply for FDMS are given however Installation line item for required component is missing.</p> <p>Kindly clarify and if any amendment required then please share updated Bills of Material and Price-Bid</p>                                 | Material+Service need to quote against given line item |

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

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|--------|----------------------------------|---|----------|---|--|--|
| 40     | Corrigendum III                  | Annexure – VII : Revised Financial Bid Format | 132      | <b>Material Supply - Active Infrastructure</b><br><br>UPS 1 KVA <b>No. 500</b>  | Material Supply for UPS is given in BoM however Installation line item is missing in BoM with electrification work for required component are missing.<br><br>Kindly amendment Bills of Material and Price-bid for both line items.            | Material+Service need to quote against given line item |
| 41     | Corrigendum III                  | Annexure – VII : Revised Financial Bid Format | 132      | <b>Material Supply - Active Infrastructure</b><br><br>Voltage stabilizer <b>No. 2,500</b>   | Material Supply for Stabilizer is given in BoM however Installation line item is missing in BoM with electrification work for required component are missing.<br><br>Kindly issue amended Bills of Material and Price-bid for both line items. | Material+Service need to quote against given line item |
| 42     | Corrigendum III                  | Annexure – VII : Revised Financial Bid Format | 132      | <b>Material Supply - Passive Infrastructure Line item 36, 37 &amp; 38</b><br>12 FDMSFTB (Fully loaded including enclosure) as per as per TEC GR. GR/FDM-01/02. APR 2007<br><br>24 FDMSFTB (Fully loaded including enclosure) as per as per TEC GR. GR/FDM-01/02. APR 2007<br><br>48 FDMSFTB (Fully loaded including enclosure) as per as per TEC GR. GR/FDM-01/02. APR 2007 | We assume that bidder has to supply FDMS as per TEC-GR and TSEC is not mandatory as per Corrigendum III, page no-108 sr. no. 8 revised clause for TSEC<br><br>Kindly confirm.  | As per RFP-No Change, also refer serial number: 14     |

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

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|--------|---|---|--------------------------|---|---|---------------------------|
| 43     | Corrigendum – III , Annexure – X                                | Technical Specifications - 2F / 4F / 6F / 8F / 12F / 24F/ 48F Optical Fibre Cable | 123 (Corrigendum – III ) | <b>10. Application:</b> 2F/4F/6F/8F/12F loose tube ADSS unarmod cable to be used for aerial connectivity , 24F / 48F armod cable to be used for UG  | As per our understanding - For 2F/4F/6F/8F/12F loose tube ADSS unarmod cable to be used for aerial connectivity shall be <b>as per TEC GR No.TEC 85200:2022 (Supersedes No.: TEC/GR/TX/OFC-024/01/MAR-15) with G.657A1 fiber ,</b><br><br>For 24F / 48F armod cable to be used for UG <b>as per TEC GR No.TEC 85170:2011 (TEC/GR/TX/OFC-020/01/MAR-11) for Type-I with G.652D fiber.</b><br>Please confirm. | Refer Sr. Nu. 4           |
| 44     | Corrigendum – III Annexure – VII : Revised Financial Bid Format | F.Material Supply - Passive Infrastructure ( - Sl No 1,2,3,4,5,6,7)               | 139 (Corrigendum – III ) | 1. Optical fibre cable - 48F loose tube Armoured cable<br>2. Optical fibre cable - 24F loose tube Armoured cable  | As per our understanding for Optical fibre cable - 48F & 24F loose tube Armoured cable required for Underground Duct application <b>as per TEC GR No.TEC 85170:2011 (TEC/GR/TX/OFC-020/01/MAR-11) for Type-I with G.652D fiber.</b><br><br>Please confirm.  | Refer Sr. Nu. 4           |
| 45     |   |   |                          | 3. Optical fibre cable - 12F loose tube ADSS unarmoured<br>4. Optical fibre cable - 8F loose tube ADSS unarmoured<br>5. Optical fibre cable - 6F loose tube ADSS unarmoured<br>6. Optical fibre cable - 4F loose tube ADSS unarmoured<br>7. Optical fibre cable - 2F loose tube ADSS unarmoured | As per our understanding for Optical fibre cable - 12F/8F/6F/4F/2F loose tube ADSS unarmoured required for Aerial application as per <b>TEC GR No.TEC 85200:2022 (Supersedes No.: TEC/GR/TX/OFC-024/01/MAR-15) with G.657A1 fiber .</b><br><br>Please confirm.  | Refer Sr. Nu. 4           |

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

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|--------|---|---|------------------------------------|---|--|---------------------------|
| 46     | Corrigendum – III<br>Annexure – VII : Revised<br>Financial Bid Format | F.Material Supply<br>- Passive<br>Infrastructure- (SI<br>No.33) | 140<br>(Corrig<br>endum<br>– III ) | 33. Optical fibre cable - 48F<br>armored fiber  | As per our understanding for<br>48F Armoured cable required<br>for Underground Duct<br>application as per <b>TEC GR<br/>No.TEC 85170:2011<br/>(TEC/GR/TX/OFC-<br/>020/01/MAR-11) for Type-I .</b><br><br>Please confirm. | Refer Sr. Nu. 4           |
| 47     | Financial Bid (Ahmedabad)   | Annexure – VII :<br>Revised Financial<br>Bid (Ahmedabad)        |                                    | Services - Passive Infrastructure<br>for underground OFC laying<br>Installation of MH / HH No.<br>12,500<br>Installation of route indicator No.<br>12,500<br><br>F Material Supply - Passive<br>Infrastructure<br>9 MH / HH (joint / loop chamber)<br>No. 1,250<br>10 Route indicator No. 1,250 | Total Quantity of Supply of<br>MH/HH vs. Installation is not<br>matched<br><br>Kindly amend as per<br>requirement and share<br>updated Bills of Material and<br>price bid  | As per RFP-No Change      |

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

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|--------|----------------------------------|--|----------|--|--|--|
| 48     | Corrigendum – III                | Revised Clause/Eligibility Criteria /Sr. No. 8 | 108-109  | <p>Criteria:<br/>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 ensure that all equipment / components / sub- components being supplied by them shall be supported for entire contract period. If the same is de-supported by the OEM for any reason whatsoever, the bidder shall replace it with an equivalent or better substitute that is acceptable to Tenderer without any additional cost to the Tenderer and without impacting the performance of the solution in any manner whatsoever.</p> <p>Documents required:<br/>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 &amp; voltage stabilizer) 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 &amp; radio, GPON OLT &amp; ONT).</p> <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</p> | <p>We understand that if a bidder have valid OFC TSEC for high count of Fiber against a specific TEC GR then they are allowed to participate as well as supply the OFC of lower count Fiber of same TEC GR and there is no need to take fresh TSEC for OFC of lower count of Fiber.</p> <p>For example - If a Bidder/OEM have valid TSEC for 96F Armoured OFC against TEC GR No.TEC 85170:2011 (TEC/GR/TX/OFC-020/01/MAR-11) for Type-I with G.652D fiber, and tender have requirement of 48F and 24F Armoured OFC of same specification (TEC GR No.TEC 85170:2011), then the Bidder/OEM is eligible to participate and supply the required 48F and 24F Armoured OFC without having any new TSEC.</p> <p>Please confirm if our understanding is correct.</p> | <p>Not Agreed, All type of fibres have seprate certificate, refer Comment against sr. Number-4</p> |

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

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|--------|----------------------------------|--------------------------------|----------|---|--|--|
| 49     | Corrigendum – III                | Query and response 139 and 191 | 72, 96   | <p><b>Requirement</b><br/>Tender submission Cost: Rs. 15,000 /- (Rs. Fifteen Thousand Only)<br/>In the form of Demand Draft in favor of “Gujarat Fibre Grid Network Limited” drawn on any scheduled bank and payable at Ahmedabad/Gandhinagar.<br/>(Tender submission cost is Total Rs 15,000/- in form of Demand Draft irrespective of Zones being participated by the bidder).</p> <p><b>Query</b><br/>Single Bid Security and single non-refundable bid processing fees is applicable for all packages. Kindly confirm.</p> <p><b>Response of Query 139</b><br/>Bidder has to submit security and nonrefundable bid fees <u>zonewise seprately</u>.</p> <p><b>Response of Query 191</b><br/>Tender submission cost is Total Rs 15,000/- in form of Demand Draft <u>irrespective of Zones</u> being participated by the bidder.</p> | <p>Still there is ambiguity, whether to submit only one Demand Draft of Rs 15,000/- against tender cost for all zone or it has to be submitted Rs. 15,000/- for each zone seperately.</p> <p>Please clarify.</p> | <p>Non Refundable - Tender fee fixed Rs 15,000 /- irrespective of number of zone participations in the form of DD.</p> |

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

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|--------|----------------------------------|----------------------|----------|---|---|--|
| 50     | Corrigendum III                  | Eligibility Criteria | 107      | 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 5 years as on bid submission date.<br>Bidder's participating in<br>1 zone 2 zones 3 zones 4 zones<br>Ex perience<br>>= 40 links<br>>= 100 links<br>>= 150 links<br>>= 200 links | We understand that if the lead bidder or consortium member has experience of Installation, Configuration, Testing, Commissioning & Maintenance of wireless links (licensed or unlicensed band radio) for his own network then that expereince would be considered sufficeient to fulfill this requirement and a self certificate detailing the no. of wireless links would be acceptable. Please confirm. | Self-certification on bidder's letter head and copy of last 5 years report submitted to Licensor (DoT) mentioning below 2 points.<br><br>The details of ISP nodes or points of presence with their locations and number of broadband/ leased/ dialup subscriber.<br>The volume of Internet Telephony traffic flowing through bidder's network. |

**Revised Clause:**

| Sr. No. | RFP Clause / Item Name                   | Original Clause  | Revised Clause/ clarification  |
|---------|--|--|--|
| 1       | Section- 5, Clause No. - 5.2, Sl. No.- 9 | The Lead bidder must have minimum 50 technical team working for bidder directly on their role. | The Lead bidder must have minimum 50 technical team - <b>members</b> working for bidder directly on their role.  |
| 2       | Additional Clause                        | -  | Active component installation and commissioning may done through OEM/self ,however project overall execution and project management work must be through its own on-role team members. |

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

**2F / 4F / 6F / 8F / 12F / 24F/ 48F Optical Fibre Cable**

| Sr. No. | Parameters         | Minimum Specifications  |
|---------|--------------------|---|
| 1.      | Fibre count        | 2F / 4F / 6F / 8F / 12F / 24F/ 48F  |
| 2.      | Standard           | ITU-T-G.657.A1(Aerial), G.652D(Aerial/UG)   |
| 3.      | Cable construction | Loose tube with jelly compound  |
| 4.      |                    | Water swellable tape / yarn   |
| 5.      | Jacket Material    | HDPE  |
| 6.      | Strength member    | FRP   |
| 7.      | Application        | Cable must be suitable for outdoor as well as indoor applications.  |
| 8.      |                    | Cable must be suitable for machine blowing as well as manual pulling in duct in case of UG application.                     |
| 9.      |                    | Cable must be suitable for UG as well as aerial installation.   |
| 10.     |                    | 2F/4F/6F/8F/12F loose tube ADSS unarmod cable to be used for aerial connectivity , 24F / 48F armod cable to be used for UG. |

**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%                   |

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

|     |                               |  |
|-----|-------------------------------|--|
| 5.  | Output Voltage                | 200VAC - 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  |

**Mini GPON OLT 4 Port - Compatible with GFGNL Device – OLT, ONT, Switch,..etc.**

| Sl. No. | Parameter        | Tender Specifications  |
|---------|------------------|--|
| 1       | Management Ports | 1# 1G BASE-T Management port,<br>1#RJ45 CONSOLE port,<br>1#USB2.0,<br>User friendly GUI Management |
| 2       | No. of Ports     | 2# 1GE SFP base Ports,<br>4# GPON/PON Ports<br>2#Copper 10/100/1000M auto-negotiation              |
| 3       | MAC              | Support upto 32K MAC address   |

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

| Sl. No. | Parameter             | Tender Specifications   |
|---------|-----------------------|---|
| 4       | GPON Features         | splitting ratio - 1:128 or better<br>Transmission Distance - 20KM<br>Performance - Upstream 1.244Gbps, Downstream 2.488Gbps<br>Wavelength - RX 1310nm and TX 1490nm<br>Connector - SC TYPE<br>Fibre support - Single Mode 9/125µm<br>TX Power +4.5~+10dBm<br>Rx Power: - 27 dBm<br>Compliant to ITU-T984.x standard |
| 5       | Operation Temperature | : -5 °C to 65 °C / 0 °C to 60 °C  |
| 6       | Physical Indicator    | Power Indicator, system Indicator, port indicator (ACT/Link), PON port indicator, (power Consumption indicator-optional), over temperature sensors/indicator and shut down  |
| 7       | Other                 | -Deployed indoor or in cabinets<br>- i) Remote accessibility is required<br>- As per TEC GR no. TEC-GR-FA-PON-002-02-NOV-18 or latest with all amendments   |

----- End of Document -----