

**Corrigendum-IV (Part-02)**

**RFP for Selection of Project Implementing Agency for BharatNet Phase-III Project in Gujarat under GFGNL**

**(Design, Construction, Supply, Implementation, Testing & Commissioning and Operation & Management Model)**

**Issued by:**

**Gujarat Fibre Grid Network Limited**

Reference No: GFGNL/GFG/e -file/263/2025/0006/Phase-III (ABP in Gujarat)

01<sup>st</sup> April 2025



**Issued By:**

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

**A Government of Gujarat Company**

**Block No: 6, 5<sup>th</sup> Floor, Udyog Bhavan, Sector-11, Gandhinagar 382010**

v) FACT SHEET

#	Particular	Details
9.	Last date for submission of Bid/proposal	<del>28/02/2025</del> <del>21/03/2025</del> <del>02/04/2025</del> 08/04/2025 at 06:10 pm

## Query Responses:

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
1		5.5	56	<p>Mandatory Undertaking</p> <p>5.5 There must not be any criminal case booked by any Government authority against the sole and any of the consortium members in any court in last 5 years as on bid submission date.</p>	<p>Mandatory Undertaking</p> <p>5.5 The Sole Bidder or any member of the Consortium should not be convicted for any criminal case in any court in India in the last 5 years as on submission date.</p> <p>Documentary Proof: An undertaking signed by CEO/Country Head/Authorized Signatory of the company to be provided on Non-judicial stamp paper of INR 100/- or such equivalent amount and document duly attested by notary public. (or Self-declaration by the Bidder duly signed and stamped by the authorized signatory)</p>	<p>There is no change to the mandatory undertaking requirement and documentary proof as outlined in clause 5.5.</p>
2	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	IV. Technical Specifications for Routers	328	<p>Minimum Specifications for IP-MPLS for GP and Block Router</p> <p>1. Compliance: TEC/GR 48050:2024 Standard with latest amendments if any or</p>	<p>Since TEC/GR 48050:2024 has various category of routers. We request to keep the router category XV under "Aggregation Router" of the TEC GR in line with the BSNL Bharatnet Tender No. MM/BNO&amp;M/BN-III/T-791/2024 issued on 15.02.2024</p>	<p>The category of router and applicability of latest TEC GR is fundamentally in alignment with BSNL central RFP. For simplicity and convenience the expectations have also been specified in the "4S" section for outcome including technical specifications mentioned in the RFP.</p>

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3	SECTION N-4 INSTRUCTIONS TO BIDDERS	4.71 PUBLIC PROCUREMENTS	122	a. In accordance to guidelines of Gol issued vide No. P-45021/2/2017-PP(B.E.-II) dated 16th September, 2020, No. P-45021/102/2019-BE-II- (part(I) (E-50310) dated 04.03.2021 and Department of Telecommunications Gazette notification dated 29th August 2018 along with instructions as amended from time to time by Govt. of India, in order to encourage make in India and promote manufacturing and production of goods and services in India, preference will be given to domestically manufactured equipment envisaged to be procured through this tender. A copy of the aforesaid Notifications/ Guidelines/ Amendments can be downloaded from Department of Promotion of Industry and Internal Trade website i.e. URL <a href="http://www.dipp.gov.in">www.dipp.gov.in</a> . Purchase preference for domestic manufacturer, methodology of its implementation, value addition to be achieved by domestic manufacturers, self-certification and compliance and monitoring shall be as per the aforesaid Guidelines/ Notifications. The Guidelines may be treated as an integral part of the tender document.	The new guidelines of Make in India have been released by DPIIT and DOT. In view of the same, we request you to kindly implement the latest guidelines of DPIIT vide latest order no. No: P-45021/2/2017-PP(BE-II)-Part(4) Vol. II dated 19.7.2024 along with DoT Notification (Ministry of Communications) dated 21st Oct-2024 regarding Public Procurement (Preference to Make in India) Order 2017-Notification of Telecom Products, Services or Works for this tender.	Fundamentally, we want wider competition, MII, ease in technical terminologies.
4	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	IV. Technical Specifications for Routers	329	Minimum Specifications for IP-MPLS GP Router For Switching capacity $\geq 40$ Gbps <ul style="list-style-type: none"> <li>3 ports of 10G (Pluggable will be in scope of bidder as per solution design),</li> <li>3 ports of 1G/10G Pluggable will be in scope of bidder as per solution design</li> <li>4 Port of Electrical GE(RJ45 without SFP)</li> <li>The modular chassis or fixed integrated chassis, both are allowed for wider competition subjected to control plane and data plane redundancy without compromising ask of the RFP.</li> </ul>	Under "SCOPE OF WORK" section of this tender, clause 5.2 (V) and 5.7 (j) mentions the requirement of 1Gbps bandwidth per GP and 10 Gbps bandwidth of the GP ring. The clause also mentions that if the bandwidth requirement goes beyond 1 Gbps, additional ring shall be planned by splitting the existing ring. In such a case, 4x10G ports will suffice the requirement on the GP router with min. capacity of 40 Gbps. This understanding is also as per Bharatnet Tender No. MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024. Moreover at GP locations, where child ring terminates, 80Gbps router can be used.	The Purpose of three ports for your better understanding is reiterated as here under, i) 1st Port will be used for left side of the arm of GP, ii) 2nd port will be used for the right side of the arm of GP, iii) 3rd port is for safe side to meet the function of child ring/ redundant connectivity between inter-GP arms/ or any atleast one in future

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					<p>Hence we request you to ammend the clause as below:</p> <p>For Switching capacity &gt;=40Gbps</p> <ul style="list-style-type: none"> <li>• 2 ports of 10G (Pluggable will be in scope of bidder as per solution design),</li> <li>• 2 ports of 1G/10G Pluggable will be in scope of bidder as per solution design</li> <li>• 4 Port of Electrical GE(RJ45 without SFP)</li> </ul>	link or to deal with port failure in unfortunate situation.
5	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	IV. Technical Specifications for Routers	329	<p>Minimum Specifications for IP-MPLS GP Router</p> <ul style="list-style-type: none"> <li>• The modular chassis or fixed integrated chassis, both are allowed for wider competition subjected to control plane and data plane redundancy without compromising ask of the RFP.</li> </ul>	<p>As per clause 3.6.1 of TEC GR 48050:2024, the fixed form factor (non-chassis) type routers doesn't come with control and data plane redundancy. For achieving control and data plane redundancy, modular chassis is required with controller redundancy and data ports distribution across multiple line cards. Putting a modular chassis at GP level will increase the space and power consumption to many folds . This is also not a standard industry practice globally, especially at access layer and also not part of the requirement in Bharatnet Tender No. MM/BNO&amp;M/BN-III/T-791/2024 issued on 15.02.2024.The domestic industry has designed and manufactured the routers in line with the Bharatnet Tender No. MM/BNO&amp;M/BN-III/T-791/2024 issued on 15.02.2024 and TEC GR.48050:2024.In view of above,we request you to remove the condition of control and data plane redundancy from GP Routers and strictly follow</p>	<p>We are intending to deal both sides ; Wider participations by allowing both types chassis and single point failures keeping rural scenario in mind .</p> <p><u>Updated Clause by removing data plane redundancy:</u></p> <ul style="list-style-type: none"> <li>• The modular chassis or fixed integrated chassis, both are allowed for wider competition subjected to control plane <del>and data plane</del> redundancy without compromising ask of the RFP.</li> </ul>

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					the TEC GR no.48050:2024 Category 15.	
6	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	IV. Technical Specifications for Routers	329	<p>Minimum Specifications for IP-MPLS Block Router</p> <ul style="list-style-type: none"> <li>The modular chassis or fixed integrated chassis, both are allowed for wider competition subjected to control plane and data plane redundancy without compromising ask of the RFP.</li> </ul>	<p>As per clause 3.6.1 of TEC GR 48050:2024, the fixed form factor (non-chassis) type routers doesn't come with control and data plane redundancy. For achieving control and data plane redundancy, modular chassis is required with controller redundancy and data ports distribution across multiple line cards. Putting a modular chassis at Block level will increase the space and power consumption to many folds, and also, Modular Chassis with control and data plane redundancy was also not part of the requirement in Bharatnet Tender No. MM/BNO&amp;M/BN-III/T-791/2024 issued on 15.02.2024.</p> <p>We request to remove the condition of control and data plane redundancy.</p>	<p>We are intending to deal both sides ; Wider participations by allowing both types chassis and single point failures keeping rural scenario in mind including blackout of beneath all GP.i.e., The modular chassis or fixed integrated chassis, both are allowed for wider competition subjected to control plane and data plane redundancy without compromising ask of the RFP.</p>
7	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMP	IV. Technical Specifications for Routers	330	<p>Minimum Specifications for IP-MPLS GP and Block Router</p> <p>Power supply and FAN redundancy: Solution equipment should have redundant power card and redundant 1+1 or N+1 fan modules, those OEMs who are having problem in meeting hot-swappable requirement may provide high availability assurance with standard equipment MTBF (Greater than 70,000 hours as specified in QM-</p>	<p>High MTBF will not ensure GP to be live in case of FAN and/or Power supply failure. In the event of failure of FAN and/or Power Supply, the hot-swappability design will ensure online replacement of faulty modules without any network downtime.The domestic industry has already</p>	As per RFP

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	ONEN TS			115 of TEC/GR 48050:2024 or equivalent international standard)	<p>designed and manufactured the routers in line with the Bharatnet Tender No. MM/BNO&amp;M/BN-III/T-791/2024 issued on 15.02.2024 and TEC GR 48050:2024 .Hot-swappability of power and fans has been made mandatory as per clause 3.6.1.1 and 3.6.1.2 of the TEC GR 48050:2024 and as per clarification number 1130 dated 08-05-2024 of Bharatnet Tender reference MM/BNO&amp;M/BN-III/T-791/2024 issued on 15.02.2024 which is reproduced below:</p> <p>Hence, we request to keep hot-swapability for power and fans as a mandatory requirement and remove the alternate requirement of high MTBF.</p>	
8	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	IV. Technical Specifications for Routers	331	<p>Minimum Specifications for IP-MPLS GP Router</p> <p>Fundamentally, we want wider competition, MII, ease in technical terminologies. 2) We are not intending for any proprietary terminologies and elimination of competition merely on ground of proprietary words / monopolized ask. To address this issue in general, the equivalence of any standard, proprietary words / monopolized ask, , bidder / OEM may provide equivalence of the same without dilution of functional ask.</p>	<p>QM-333 is not a proprietary specifications. This is an Indian environmental standard developed by Telecommunication Engineering Centre (TEC), outlines environmental testing requirements for telecommunication equipment and being followed widely in all the domestic procurement processes by government and private sectors. QM-333 has been made mandatory while formulating the TEC GRs for all the products for umpteen no of years in India. GP Locations usually will not have any air conditioned controlled environment due to limited infra. Such categories of infra are coming under B2 as per the section-2, Clause 2.1</p>	<p>1) Fundamentally , we want wider competition, MII, ease in technical terminologies. 2) We are not intending for any proprietary terminologies and elimination of competition merely on ground of proprietary words / monopolized ask. To address this issue in general, the equivalence of any standard, proprietary</p>

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					of QM333 standard document. Bharatnet Tender No. MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024 has also adopted Category B2 for the implementation of QM-333. Hence we request to keep QM333 standard as per Category B2 for GP Routers as per Bharatnet Tender No. MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024.	words / monopolized ask, , bidder / OEM may provide equivalence of the same without dilution of functional ask.
9	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	IV. Technical Specifications for Routers	331	<p>Minimum Specifications for IP-MPLS Block Router</p> <p>The routers shall be installed in the buildings without air conditioning where adequate ventilation may or may not be available. Therefore, the routers shall meet the Temperature and Humidity Requirements as per Category B of QM-333 standard. or equivalent international standards.</p> <p>Note: 1 GFGNL will establish shelters at sub-block and master block locations with proper air conditioning in operation. However, the bidder/OEM must still comply with the category B QM-333 standard or an equivalent international standard.</p>	<p>As is clear from the tender clause Note1, Block Router would be placed in a controlled environment. The clause is reproduced below: "<i>Note: 1 GFGNL will establish shelters at sub-block and master block locations with proper air conditioning in operation.</i>" However in the same Note1, compliance to Category B is sought which is in variance with the Note1 pertaining to availability of the controlled environment.</p> <p>In view of above, we request you to amend the clause as "Block Routers should be meeting the operating temperature requirements as per Category A and not Category B of the QM-333 standards."</p>	Repeated query pl see response above
10	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	V. Technical Specifications for EMS of Routers	338	21 Testing and Certification Conformance tested for interoperability with multi-vendor devices and certified per TEC GR standards.	Interoperability is a two way process of integration. The same will be seamlessly done if all the ecosystem involved in making the network is following uniformly accepted global standards and not following any proprietary specifications. Hence, it is even more important to	It is the bidder's responsibility to do the proper due diligences while selection of OEM/s related to this ask of seamless traffic flow



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	ONEN TS				follow only TEC GR No.48050:2024 and teh specifications of this tender.As the Bharatnet Phase 3 project is yet to be delivered,no OEM would have got the Conformance tested for interop with multi vendor devices and certified per TEC GR. Hence we request you to allow an undertaking from all the OEMs involved that they will provide all the necessary support in terms of providing integration with other vendor NMS thru the NBIs as per tender requirement.	inbetween diverse set of components. Interoperabilit y and openness are the critical expectations. The opaque, restrictive integrations aspects limiting interoperabilit y within BharatNet framework is not acceptable.
11	Annex ure B: TECHN ICAL SPECIF ICATIO NS OF NETW ORK AND ITS COMP ONEN TS	Note:1	332	GFGNL will establish shelters at sub-block and master block locations with proper air conditioning in operation. However, the bidder/OEM must still comply with the category B QM-333 standard or an equivalent international standard.	QM-333 is not a proprietary specifications.This is an Indian environmental standard developed by Telecommunication Engineering Centre (TEC), outlines environmental testing requirements for telecommunication equipment and being followed widely in all the domestic procurement processes by government and privtae sectors.QM-333 has been made mandatory while formulating the TEC GRs for all the products for umpteen no of years in India.Hence we request you to only follow QM-333 standards and not any equivalent standards as it otherwise brings subjectivity into the compliances.	The suggestion to eliminate the competition is not tandem with wider competation fundamentals and hence, equivalence was allowed.
12	Annex ure B: TECHN ICAL SPECIF ICATIO NS OF NETW ORK	IV. Technica l Specifica tions for Routers	329	For Switching capacity $\geq 800$ Gbps • 4 ports of 100G or 4 ports of 200G or 2 ports of 400G (Pluggable will be in scope of bidder as per solution design),	To connect 200G and 400G uplink ports of the Master Block Router, We understand that same or more number of 200G/400G ports will be made available by GFGNL either on DWDM node or backhaul router at Master	It is the GFGNL's responsibility to arrange the port/interface s beyond the scope of PIA.

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	AND ITS COMPONENTS				Block Location ? Kindly clarify	
13	SECTION-5 SCOPE OF WORK	d) Service Audit and Security compliance:	150	14. MD-5 (Message Digest Algorithm) route authentication for all static and dynamic routing protocols.	MD-5 authentication is meant for dynamic routing protocol only and not applicable to static routing. Kindly remove MD-5 authentication for static routing.	Beyond technology terminology , we have specifically mentioned network service associated functionality, referred as 4S (Service Portfolio, Service Provisioning , Service Performance Monitoring, Service audit and security Compliance ). The quoted product must abide with functional aspect to meet the business objectivity. 1) Fundamentally, we want wider competition

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						<p>, MII, ease in technical terminologies.</p> <p>2) We are not intending for any proprietary terminologies and elimination of competition merely on ground of proprietary words / monopolized ask, minor ports, legacy technology protocols not impacting business and functional ask of the RFP.</p> <p>To address this issue in general, the equivalence of any standard, proprietary words / monopolized ask, workaround minor ports,</p>

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						<p>bidder / OEM may provide equivalence of the same to avoid disqualification on minor grounds without any additional cost to GFGNL and without diluting functional deliverables .</p> <p>The above is general principle and will apply across the RFP to derisk from propriety terminology and elimination of competition . Hence, participants may go through the scope of work, functional aspects, supportive technical language for better</p>

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						undertaking .
14	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	IV. Technical Specifications for Routers	329	<p>For Switching capacity <math>\geq 300</math>Gbps</p> <ul style="list-style-type: none"> <li>• 3 ports of 100G (Pluggable will be in scope of bidder as per solution design),</li> <li>• 16 ports of 10G (Pluggable will be in scope of bidder as per solution design),</li> <li>• 6 ports of 1G/10G (Pluggable will be in scope of bidder as per solution design),</li> </ul> <p>For Switching capacity <math>\geq 800</math>Gbps</p> <ul style="list-style-type: none"> <li>• 4 ports of 100G or 4 ports of 200G or 2 ports of 400G (Pluggable will be in scope of bidder as per solution design),</li> <li>• 18 ports of 10G/25G (Pluggable will be in scope of bidder as per solution design),</li> <li>• 6 ports of 1G/10G (Pluggable will be in scope of bidder as per solution design),</li> </ul>	<p>We understand that the same block routers are asked at sub-block and master block locations in the separate backhaul tender No. GFGNL/GFG/e-file/263/2023/0122-2. Hence kindly clarify whether the block router is still under scope of this RFP ?</p>	Pl see response above.

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15	SECTION-5 SCOPE OF WORK	28. Network Design:	145	Average number of GPs to be parented at Sub-block shall normally be around twenty-three (23). In exceptional case, after approval of GFGNL it may allow maximum up to thirty (30) with given due justification.	<p>From the given qty of GPs with LGD codes per district and count of block/taluka/tehsil in a district, the average number of GPs falling under a Sub-Block is more than 50.</p> <p>For e.g., as per shared LGD list of GPs, kheda district has 10 blocks/taluka/tehsil, however number of GPs is 522, which makes the average number as 52 routers per block/sub-block.</p> <p>Kindly clarify whether there would be additional locations other than the official LGD codes of blocks within a district that fall under sub-block category ? The average 23 no. of GPs per sub-block is only possible if there are more than official count of blocks in a district. Kindly clarify.</p> <p>In case there is separate list of sub-block locations as per Phase-I and Phase-II, kindly share the same.</p>	This project is predominately fibrization project where, network creativity and high network uptime are the basic expectations. Please go through the fiberization principles section, design criteria, etc to understand the objectivity.
16	SECTION-5 SCOPE OF WORK	5.7 ELECTRONICS INSTALLATION	130	j) Modification in the Ring Architecture to meet increased Bandwidth Requirement: Initially each ring is be designed for 10Gbps with around 6-7 nodes. However, if there is a requirement subsequently to increase the capacity due to increased bandwidth requirement, additional ring shall be created splitting the nodes using spare fibres and spare ports at the Block router. If required, additional Block router may need to be installed at the Block for which separate payment shall be made as per the finalized itemized rates.	<p>As we understand, the network need to be designed considering maximum 1 Gbps bandwidth requirement at each GP.</p> <p>In case any additional router with same or higher capacity is required at block/sub-block location to meet the additional bandwidth requirement (&gt; 1Gbps) at each GP in future, GFGNL. will purchase the same from the bidder. Kindly confirm if our understanding is correct.</p>	Bidder has to clear the understanding by referring the clause section 2.2 in detail for scope of work and network scalability to understand existing delivery and future scalability.

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17	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	IV. Technical Specifications for Routers	330	Minimum Specifications for IP-MPLS at GP Router: Input power and Surge Protection: AC (110 V to 280 V), Surge protection of 2KVA	We request you to keep the AC voltage in line with the output voltage defined for UPS asked in this RFP at GP Locations. And also as per TEC/GR 48050:2024 for Router.	The technical high level specifications for UPS as well as Routers are mentioned in the RFP for better connectivity. However, it will be sole responsibility of the bidder/service integrator for end to end solution and better network uptime.
18	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	VI. Technical Specifications for Mini-OLT	Page 339 of 487	12 Configuration Management Various management modes such as CLI, SNMP and TELNET, Conducting software upgrade   NETCONF/YANG, REST API	OMCI already ensures interoperability within the GPON framework, making the abstraction and generality of NETCONF/YANG's, Rest SPI modeling and configuration capabilities from EMS NBI Interface, We request you to Delete NETCONF/YANG, REST API from OLT Specs clause to keep vendor Neutral.	<p>The Primary intent is interoperability. We are not intending for any proprietary terminologies and elimination of competition merely on ground of proprietary words / monopolized ask, minor ports, legacy technology protocols not impacting business and functional ask of the RFP.</p> <p>To address this issue in general, the equivalence of any standard, proprietary words / monopolized ask, workaround minor ports,</p>

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						<p>bidder / OEM may provide equivalence of the same to avoid disqualification on minor grounds without any additional cost to GFGNL and without diluting functional deliverables.</p> <p>The above is general principle and will apply across the RFP to derisk from propriety terminology and elimination of competition. Hence, participants may go through the scope of work, functional aspects, supportive technical language for better undertaking.</p>
19	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	VIII. Technical Specifications for LAN Switch	Page 342 of 487	For 8 Port Switch : 8 PoE ports of 10/100/1000 BaseT with PoE power support of minimum 60W	<p>We request you to modify the clause to define POE Budget</p> <p>" For 8 Port Switch : 8 PoE ports of 10/100/1000 BaseT with PoE &amp; 4 *1GE uplink ports , support of minimum 120w POE Budget &amp; maximum POE Budget 240W "</p>	Pl refer answer above



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20	3.1 PRE QUALIFICATION CRITERIA	Note-1 (VII)	Page 60 of 487	VII. The TSEC obtained by the OEMs of bidders for the various tenders floated by BBNL/BSNL in the last two years shall be acceptable for the items which are part of this RFP provided that the technical specifications remain unchanged.	There are many active and passive items which are being procured regularly by BSNL or BBNL or state governments under USOF funding .Many of such items are being procured in this tender as well.eg Fiber cables,Switches,OLTs,ONTs,UPS etc. In view of the same,we request to restore this clause-VII for only those active and passive items like Fiber cables,Switches,OLTs and ONTs which are being procured as above .The same was asked in the previous GFGNL tender for Bharatnet Phase 2 vide clause no. 2.28 Evaluation of Eligibility Criteria-page no. of 30 tender reference no. GFGNL/DST/BharatNet-PIA/2018/30 dated 1st March,2018.	Already responded in earlier corrigendum
21	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	EMS for GPON	338	Kindly add This Clause "GPON EMS REQUIREMENTS	Request you to kindly Add GPON EMS Requirement in the RFP as the same is missing.We suggest that the specifications as mentioned in Section B. EMS REQUIREMENTS ,Page 19 of the BSNL OLT Tender BSNLCO-MMT/14(12)/2/2024-MMT dated Dated 31.05.2024 may please be incorporated in this tender.Kindly confirm.	It is the bidder's responsibility to provide any electronic products with necessary software to meet the expectation in "4S section". Here, in this case it may be "EMS" and that is implied. The bidder may do the proper due diligence while selecting OEM.
22	Annexure B: TECHNICAL SPECIFICATIONS	VIII. Technical Specifications for	Page 342 of 487	CPE (customer premise equipment) L2 manageable switch – 8 ports TEC GR Standard No.: TEC TEC-GR-IT-LSW-001-05-Mar-14, with latest amendments if any	We Request you to please Modify clause as quoted product family should have TEC GR Standard No.: TEC TEC-GR-IT-LSW-001-05-Mar-14 certified under	Product offered during the bid should have valid TEC GR or proof of having applied

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	NS OF NETWORK AND ITS COMPONENTS	LAN Switch			same GR against other BSNL/BBNL/MTNL/State Government/Central Government/Defense BharatNet tenders .	for TAC/ TSEC. Moreover,It is already aligned with central BSNL RFP.
23	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	SL 1165, 1178, 1154 Corrigendum-III_RFP_Phase-3_Gujarat_v1	Page 605 of 634	for MTCTE OEM may provide letter of undertaking along with evidence of application to designated institution for wider participation.	MTCTE is a very important certification process which involves a lot of time, inventory and resources. It is requested that the same should be applicable to only the successful OEMs and the OEM needs to submit the certification before commencement of supplies to GFGNL. The same was adopted vide clarification No. 181 dated 08-05-2024 as per BSNL Bharatnet Tender No. MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024. Kindly confirm.	Please refer the clause "4.71 PUBLIC PROCUREMENTS" in the RFP for better clarity.
24	(v) FACT SHEET	(v) FACT SHEET : Point No 18 -> Method of Selection (Page 17)		(v) FACT SHEET : Point No 18 -> Method of Selection (Page 17)	Method Of Selection ---- Going by the QCBS process in detail, it is a arbitrary method hence same needs to be removed. In order to verify the OEM's capabilities and readiness of the product, a tangible and measurable technical PoC of the product to be supplied is a better option and same should be done as a technical qualification criteria before opening financial bid.	Pl see revision
25	SECTION-3 ELIGIBILITY CRITERIA	Point No 6.1 MAF (Page 37&38)		Copy of valid Technical Specification Evaluation Certificate (TSEC) / Type Approval Certificate or copy of Application for fresh TSEC/TAC as applicable from each OEM whose products are being quoted by the Bidder	Please ammend clause as "Copy of Type Approval Certificate given by Telecom Engineering Centre (TEC)/ TSEC issued by the Quality Assurance Circle of BSNL or proof of having applied for TAC/ TSEC (Copy of Form-B/ Form QF-103 of offered product be attached) from each OEM whose products are being quoted by the Bidder". Recently, even in the BSNL Tender (Tender	Please refer the last corrigendum with updated RFP document, it is already considered. The same again reproduced here for convenience: "Copy of Type Approval

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					No. MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024) for BharatNet Ph-III (where morethan 1,60,000 nos of GPs to be connected), proof of having applied for TAC/ TSEC (Copy of Form-B/ Form QF-103 of offered product be attached) from each OEM whose products are being quoted by the Bidder at the time of bidding".	Certificate given by Telecom Engineering Centre (TEC)/ TSEC issued by the Quality Assurance Circle of BSNL or proof of having applied for TAC/ TSEC (Copy of Form-B/ Form QF-103 of offered product be attached) from each OEM whose products are being quoted by the Bidder."
26	SECTION-3 ELIGIBILITY CRITERIA	3.2 TECHNICAL QUALIFICATION CRITERIA (Page 46 to 49)		TECHNICAL QUALIFICATION CRITERIA (Page 46 to 49)	<p>(1) Make in India policy of Govt of India is not fulfilled due to QCBS. Recently issued Make in India policy (i.e Guideline &amp; Gazette notification) issued by DPIIT, Govt of India letter No P-45021/2/2017-PP-(BE-II)-Part(4) Vol-II of dt. 19.07.2024 &amp; Department of Telecommunication Gazette No 300 issued vide letter No CG-DL-E-22102024-258138 of dt. 22.10.2024, purchaser has to take supply from Class-I supplier only.</p> <p>(2) As per the DoT gazette notification (Copy attached) clause no 11, "The condition of prior turnover and prior experience may be relaxed for Start-ups (registered by Department for Promotion of Industry and Internal Trade), provided that the Start-up meet the necessary quality &amp; technical specifications" and</p>	Pl see revision

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
					<p>(3) as per clause no 12 “To support and promote indigenous technologies, Proof of Concept (PoC) may be included in tenders and RFPs as a substitute for qualifying experience, wherever applicable”.</p> <p>Hence, whole QCBS is required to be scrapped as QCBS evaluation process is violating the Make in India guidelines.</p>	
27	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	IV. Technical Specifications for Routers (Page 286 - 287)		Point 4 : Ports, Interfaces, Wavelength Distance Criteria	As per TEC GR 48050:2024, GFGNL should have ask for modular type (Chassis based) of IP-MPS routers instead of Non-Chassis based routers as in the modular IP-MPLS routers FAN,Power Unit, Control Cards & Interface cards are redundant & Hot Swappable. Hence, modular equipments will improve uptime of the network. Details of benefits Chassis based & Non Chassis based routers are attached.	The suggestion to eliminate the competition is not tandem with wider competition fundamentals and hence, equivalence was allowed.
28	(v) FACT SHEET	Point No 8 -> Date of response to Bidder Queries( Page 16)		<p>: Within 15 days from the date of pre-bid conference.</p> <p>Note: The Purchaser shall not be obligated to respond to any or all the queries. The Purchaser may, at its sole discretion, choose to publish responses to the pre-bid queries and /or any corrigendum on Central Public Procurement portal <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> or may send through email or any other means</p>	The Purchaser shall not be obligated to respond to any or all the queries. ----- Sentence to be deleted.	Pls see revision

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
29	SECTION-4 INSTRUMENTS TO BIDDERS	4.30 OWNERSHIP OF EQUIPMENT (Page No 65)		<p>(i) The Tenderer shall own the services and items supplied by the PIA arising out of or in connection with this Contract only after the date of 100% Go- Live. In case of theft/physical damage (Repair not possible -RNP) to the Network components / equipment, the equipment shall be replaced on PIA's cost till full 100% Go-live and at Tenderer's cost after full 100% Go-live.</p> <p>ii. The asset(s) so created shall be a National Asset fully owned by the Government of India, and held on its behalf by GFGNL. At end of the contract period, the ownership of complete ring OFC including consisting of associated services which includes active and passive network components supplied during entire contract duration shall be passed on to GFGNL in working conditions according to contract agreement.</p>	Theft cases required to be handled by GFGNL only as premises is owned by Govt of Gujarat. In case of theft, OEM should provide equipment on chargeable bases.	<p>It is the PIA's responsibility to cover the risk by proper insurance cover including preventive lock and key arrangements at rack level.</p> <p>However, for the comfort of all participants it is relevant to mention that in the past BharatNet Phase-II project in Gujarat, theft cases were almost negligible.</p>
30	SECTION-3 ELIGIBILITY CRITERIA	Note 2, Consortium Criteria: Point No 6(e), Page 42		GFGNL shall have the rights to release payments solely to the Lead Member and shall not in any manner be responsible or liable for the inter se allocation of payments among members of the Consortium.	GFGNL shall allow escrow account for smooth execution of the project.	This right is reserved with the GFGNL and it is specified in the RFP.PI See section :3 Eligibility criteria.
31	SECTION-4 INSTRUMENTS TO BIDDERS	4.22 COURT JURISDICTION (Page 61)		This Contract/ PO/WO is subject to jurisdiction of Court at New Delhi	The clause to be modify as "This Contract/ PO/WO is subject to jurisdiction of Court at Gandhinagar/Ahmedabad"	PI see earlier corrigendum with RFP. Typo already corrected.
32	SECTION-3 ELIGIBILITY CRITERIA	3.1 PRE-QUALIFICATION CRITERIA , Point No (vii)(6) MAF:		<p>Documentary Proof (two contradictory remark is mentioned)</p> <p>(1) The Bidder or the lead member (in case of Consortium) should submit valid Manufacturer Authorization Form (MAF) from maximum one(1) for all passive components (Like, (all types of OF Cables, Duct, Joint Closures (SJC &amp; BJC), FDMS &amp; FTB) and up to maximum one (1) OEMs for all active components (Routers, RFMS, UPS &amp; Racks).</p> <p>(2) In order to meet the delivery timelines, the successful bidder can</p>	Kindly clarify, which is correct? Remark (1) or Remark (2)	Please refer the last corrigendum with updated RFP document,the typo already corrected into it.

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				procure and supply the material from one or more quoted OEMs in any combination.		
33	iii) DEFINITIONS	11	13	Go-Live: The date of commencement of work and acknowledged by end customer. If block level atleast 95% of GP live in ring then it will be considered as block 100% go-live.	The first para under the Go-Live definition should be as follows - Go-Live: The date of Completion of SITC work acknowledged by end customer.  Please review and clarify	As per RFP, as Go-Live Criteria is for Project as well as for block O&M. Hence no change is required
34	v) Fact Sheet	10	18	Last date for submission of Bid/proposal (Physical copy excluding financial bid only if asked based on nature of RFP) -  Within 4 working days from the Date of submission of online bid dates in working hours(till 06:10pm)..... in event of particular ask of submitting physical copy then logical portion of the bid should be appropriate in the respective sealed cover for maintaining confidentiality.	The clauses related to submission of physical copy of the Bid have some contradictions.  After reading all the clauses related to submission of physical copy, our understanding is as follows - A) Only following documents need to be submitted as part of physical submission of the Bid - i) Integrity Pact, ii) EMD, iii) RFP Document Fee and iv) Letter of Authorization / Power of Attorney  B) These documents as part of physical submission of Bid can be submitted within 4 working days from the Date of submission of online bid dates in working hours (till 06:10pm).  Please confirm if our understanding is correct.	All the physical copy/documents, i) Integrity Pact, ii) EMD, iii) RFP Document Fee and iv) Letter of Authorization and including all other documents applicable for bid evaluation need to submit excluding the financial bid documents within 4 working days from the Date of submission of online bid dates.
35	v) Fact Sheet	13	18	Submission of i) Integrity Pact, ii) EMD, iii) RFP Document Fee and Letter of Authorization  At 06:10 pm (Date of submission of online bid + 4 working Days) for physical copy		NA

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
36	1	1(iv)	21	Interested and eligible Bidders are required to upload the eligibility related document in eligibility bid section, Technical related document in technical bid section & Commercial Bid in Commercial bid section. The Bids should be accompanied by a bid security (EMD) as specified in this tender document. The Technical & Commercial Bid must be uploaded to <a href="https://gfgnltender.nprocure.com">https://gfgnltender.nprocure.com</a> & the Bid Security must be delivered to the office of Gujarat Fibre Grid Network Limited on or before the last date and time of submission of the bid.		Not found any clarification sought
37	v) Fact Sheet	15	19	Opening of Qualification Bids: To be announced later	Please confirm the date of opening of Qualification Bid	Will be announced later based on preceding qualification stage clearance of the bid
38	v) Fact Sheet	16	19	Opening of Technical Bids: To be announced later	Please confirm the date of opening of Technical Bid	PI see response above.
39	v) Fact Sheet	17	19	Technical Presentation: To be announced later	As per our understanding - date of technical presentation to be informed later on to Technically qualified bidder. Please review and confirm.	PI see response above.
40	v) Fact Sheet	19	19	Date for the opening of financial bid for technically qualified bidders: To be announced later	As per our understanding - date of opening of Financial Bid to be informed later on to Technically qualified bidder. Please review and confirm.	PI see response above.
41	v) Fact Sheet	19	19	Date for the opening of financial bid for technically qualified bidders: To be announced later	As Bid validity and EMD validity is linked with date of opening of Financial Bid, request you to either confirm the date of opening of Financial Bid or link the Bid validity and EMD validity with date of submission of Bid.	Need to discuss, <u>Updated Clause:</u> Bid Validity: Bids shall remain valid for 180 days after the date of Bid opening prescribed by the TENDERER. <u>EMD Validity:</u>

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
						<ul style="list-style-type: none"> <li>Bidders shall submit, along with their Bids, EMD of Rs. 25 Cr (Rupees twenty-five crore only) per package in the form of an unconditional Bank Guarantee which should be valid for 225 days from the last date of bid submission.</li> </ul>
42	1	1.1(i)	21	The bid submitted should be valid for a period of 180 days from financial bid opening date.	As financial bid opening date is not confirmed by GFGNL, we understand the clause should be read as - The bid submitted should be valid for a period of 180 days from Bid submission date. Please confirm.	Repeated query, pl see response above
43	3	3.1(2.1)	52	Documentary Proof c) Self Certification to be signed by Company Secretary/ Statutory Auditor on company's letter head mentioning the required shareholding."	To the best of our understanding there is no any specific requirement for shareholding. However, if required latest shareholding pattern of the bidder can be submitted. Please confirm.	The purpose is to see the authorization.
44	3	3.1(2.1)/ Note 3	52	The lead bidder of one package is allowed to participate in only one package. However, Participation as a consortium member being a project experience partner in another package with other lead partner is allowed.	We understand that lead bidder of one package is allowed to participate in another package as a consortium member. Please confirm.	Please refer the last corrigendum with updated RFP document.
45	3	3.1(2.2)	53	The Sole or (lead bidder and each of consortium members) must have atleast 15% positive net worth against their financial turnover in last three (3) financial years (i.e., FY 2021-22, FY 2022-23, and FY 2023-24 ).	As per our understanding to this clause - If a bidder have average turnover of Rs 1000 Crore in last three FY than the Networth in the latest Financial Year should be more than Rs 150 Crore.  Please confirm if our understanding is clear or elaborate.	Please refer the last corrigendum with updated RFP document.



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46	3	3.1(3)(i)	53	<p>Documentary Proof:</p> <p>The Sole or lead bidder in case of Consortium</p> <p>3.1) Validated Data from Government sources (reports, portal log, Client certificates from government sources Etc.)</p> <ul style="list-style-type: none"> <li>• The details of nodes or points of presence with their locations.</li> </ul> <p>Need to submit WO Copy /LOI/LOA/Contract agreement</p> <p>For completed projects (WO copy / LOI / LOA contract copy ), work completion certificate from customer end client mentioning satisfactory performance (for completed project and O&amp;M) &amp; total Km of Fibre with other inventories/Equipment mentioned implemented (satisfactory performance &amp; functionalities implemented may be mentioned separately as a performance certificate from the client)</p> <p>For ongoing projects (WO copy / LOI / LOA contract copy), Performance certificate from end client mentioning satisfactory performance &amp; total Km of Fibre with other inventories/Equipment mentioned implemented by the Sole/lead Bidder(in case of consortium)</p>	<p>We would like to draw your attention to following clause-</p> <p>The Sole or lead bidder in case of Consortium</p> <p>3.1) Validated Data from Government sources (reports, portal log, Client certificates from government sources Etc.)</p> <ul style="list-style-type: none"> <li>• The details of ISP nodes or points of presence with their locations.</li> </ul> <p>The above documentary proof asked is not clear to us. It seems some typing mistakes are there and these documents are not required to be submitted in the Bid. Please confirm.</p>	Pl see revision
47	3	3.1(3)(i)	53	<p>Documentary Proof:</p> <p>For ongoing projects (WO copy / LOI / LOA contract copy), Performance certificate from end client mentioning satisfactory performance &amp; total Km of Fibre with other inventories/Equipment mentioned implemented by the Sole/lead Bidder(in case of consortium)</p>	<p>Minimum experience requirement under clause 3.1(4)(i), does not ask about satisfactory performance of the project but as a documentary proof of the same experience requirement, bidder is asked to submit performance certificate from end client.</p> <p>Request you to please elaborate the requirement or make the necessary amendment.</p>	To evaluate the bidder's on-going project experience, a performance certificate from the end client that outlines the work allocation and completion status of the project will suffice. This should also include the client's satisfaction

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						with the project progress, indicating whether it is on track or delayed.
48	3	Note 4	55	Note:4 For installation and commissioning of active nodes, the experience certificate issued by the OEMs for the works awarded by the TSPs to the OEMs shall also be considered.	We understand that in case of the experience certificate issued by the OEMs for the works awarded by the TSPs to the OEMs, documentary proof such as WO/Certificate issued by TSP to OEM also need to be submitted by the Bidder.  Please confirm.	It is already part of RFP.
49	3	Note 6	55	The Experience counted once of any entity can not be counted again, in case, participating in multipackage. The bidder has to clearly mention package wise distinct experience for claiming eligibility.	Our understanding to this clause is as follows - The technical bids for a bidder shall be evaluated in the order of package serial numbers, starting from Package-A. While evaluating the technical bids, the package wise technical experience and financial capacity of a bidder shall be taken as consumed, before evaluating it bids for second package i.e. Package B. Thus, the bid in the next package shall be evaluated only if sufficient technical experience and financial capacity is left available and shall be considered responsive, if the bid meets all the eligibility requirements.	The objective is to count distinct experience. In other words, already counted experience can not be consider again.
50	3	3) Experience- Note 6	55	The Experience counted once of any entity can not be counted again, in case, participating in multipackage. The bidder has to clearly mention package wise distinct experience for claiming eligibility.	It is understood that if bidder is applying for both the packages except as sole bidder then in that case if experience of one project is already considered for one package then the same experience cannot be considered for another package?? Please confirm.	Repeated query, pl see response above

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					For e.g. if a bidder has experience of 15000+ KM of OFC work then in that case he is eligible to bid for both the packages as sole bidders However, if he wish to apply one package as sole bidder and another package in consortium (Lead/partner) then in that case he needs to have another set experience to become eligible/qualify.	
51	3	3.1(6.1)	56-57	<p>Documentary Proof</p> <p>Documentary evidence such as Authorization letters, MAF (Annexure IX) from all OEM/Vendors whose products are being quoted by the Bidder need to be attached in the bid.</p> <p>Copy of Type Approval Certificate given by Telecom Engineering Centre (TEC)/ TSEC issued by the Quality Assurance Circle of BSNL or proof of having applied for TAC/ TSEC (Copy of Form-B/ Form QF-103 of offered product be attached) from each OEM whose products are being quoted by the Bidder.</p> <p>The Bidder or the lead member (in case of Consortium) should submit valid Manufacturer Authorization Form (MAF) from maximum two(2) for all passive components (Like, (all types of OF Cables, Duct, Joint Closures (SJC &amp; BJC), FDMS &amp; FTB) (Routers, RFMS, UPS &amp; Racks).</p> <p>TSEC/TEC issued against earlier tender(s) of DOT/BSNL/BBNL/MTNL/State Government/Central Government/ BharatNet Projects BSNL QA registered QF-103 or Form B issued by TEC for the quoted products shall also be acceptable for eligibility to submit the Bid only.</p> <p>In order to meet the delivery timelines, the successful bidder can procure and supply the material from one or more quoted OEMs in any combination.</p>	<p>1) Please refer following clause - - TSEC/TEC issued against earlier tender(s) of DOT/BSNL/BBNL/MTNL/State Government/ Central Government/ BharatNet Projects BSNL QA registered QF-103 or Form B issued by TEC for the quoted products shall also be acceptable for eligibility to submit the Bid only. In this clause, reference of TEC GR and and duration which is acceptable for QF-103/Form-B taken against earlier tenders has not been mentioned. Please review and make necessary amendments.</p> <p>2) Please refer following condition - In order to meet the delivery timelines, the successful bidder can procure and supply the material from one or more quoted OEMs in any combination.</p> <p>This clause seems in contradiction with the clause which states that - In order to meet the delivery timelines, the successful bidder can procure and supply the material from one or more quoted OEMs in any</p>	Pl see corrigendum again

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					combination. (Note 1(ii))/Page 60.  We understand that for smooth execution and timely completion, bidder/contractor should be allowed to procure and supply the material from both the quoted OEMs. Please confirm.	
52	3	Appendix A	59	Additional Clarification	IF a bidder participate as sole bidder in a package and as Lead/consortium partner in another package then in that case that Company's participation will be considered as "Bid for two packages" or it will be considered as "Bid for single package" in both the category. Please clarify.	PI see corrigendum again
53	3	3.2(2)	66	The available bid capacity of the following entities as delivery commitment (Undertaking) for Gujarat to execute project on time a) Bidder b) Fiber OEM c) Duct OEM d) UPS OEM. Note: The bidder has to submit the undertaking from the OEM for each of the component to fulfill the delivery and AMC/Warranty support during entire contract duration without any missing milestones.	This clause has no relevance with Eligibility Criteria asked in the tender. Hence, we request either to delete the clause or elaborate the term 'Bid Capacity' with format/calculation and value of bid capacity requirement.	PI see revision
54	3	3.1	66	The available bid capacity of the following entities as delivery commitment (Undertaking) for Gujarat to execute project on time a) Bidder b) Fiber OEM c) Duct OEM d) UPS OEM.	Upon submission of the undertaking, the bidder will be given 10 marks. Please confirm	PI see revision
55	3	3.1	67	Offered Product Portfolio with % market share (will be as part of contract)(Product Proposed at SDC, block, sub-block, GP and TC / DC): • Passive Component (Supplied quantity in last 3 years, Manufacturing capacity, <del>Delivery commitment in Gujarat</del> , Service support) • Active Component (Past supplies of offered family and visibility software (EMS) single UI, Repair & return	1. The maximum marks assigned to the criteria is 15. Shall we assume that 5 marks each will be assigned to Passive Component, Active component and Power backup. Please confirm.  2. Request you to provide the list of items that	PI see revision

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
				<p>commitment)</p> <ul style="list-style-type: none"> <li>Power Backup (Supplied quantity in last 3 years)</li> </ul> <p>Note: This marking will be based on Percentile. This will be part of the contract and deliverables and same shall be diligently applied in WO/Agreement</p>	<p>bidder should consider in active and passive components.</p> <p>3. We understand that Power Backup only includes UPS. Please confirm.</p> <p>4. Please provide standard format that the bidder shall submit against this criteria</p> <p>5. Please provide an example of the evaluation process for better understanding.</p>	
56	3	3.1	67	<p>Power Consumption ("KWH" in Unit per Hour) at Site ( at GP and Shelter end-SDC, block, sub-block, GP and TC / DC) by proposed solution Least Units among Bid participants = 5 marks, Least Size to &lt; 120% of Least size = 3 marks, More than 120% of Least size = 2 marks</p> <p>Note: Bidder has to consider, Quoted materials' Electricity Power Budget Consumptions(Notional Value) at full load.</p> <p>Bidder has to submit the quoted material valid document alongwith summary timestamp with authorized signatory.</p>	<p>Can the bidder submit the following document as supporting:</p> <ol style="list-style-type: none"> <li>1. Data sheets mentioning the Power budget consumptions (Notional Value) at full load signed by authorized signatory or</li> <li>2. An undertaking captured on OEMs letter head signed by Authorized signatory</li> </ol> <p>Please confirm.</p>	PI see revision
57	3	3.1	68	<p>HoTo Commitment: Any slippages in taking over process is non-negotiable. Additional offering as contractual commitment on Early completion of HoTo will be rewarded with additional 1 marks per month per phase basis or part thereof. Note: Bidder has to submit the valid document alongwith summary timestamp with authorized signatory</p>	<p>The criteria mentions about additional 1 mark per month per phase basis as reward. If bidders takes over the network 2.5 months early, it will get 5 marks, however, it doesn't mentions about the initial scoring that bidder shall obtain to propose a HoTo commitment as per the HoTo timelines mentioned in the RFP.</p> <p>Please elaborate and provide an example of evaluation for better understanding</p>	PI see revision

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
58	3	3.1	68	<p>Minimum Up-time including power protection: Minimum of 98.5 % at GP is having 7-9 marks, Each increase in 0.5%, <math>\pm 2</math> marks will be awarded up to maximum of <del>10</del> 15 marks</p> <p>Mean time to restore (MTTR): 4 hrs : 2 marks, <math>\leq 4</math> hrs : additional 1 marks for each reduction in MTTR in slot of 15 min up to max 5 marks</p> <p>Note: Bidder has to submit the valid document alongwith summary timestamp with authorized signatory</p>	<p>The parameters i.e., minimum uptime including power protection and MTTR, are relevant during the O&amp;M phase. We think that these parameters cannot be a part of initial bid evaluation.</p> <p>Moreover, Phase-1 is maintained by BSNL and Phase-2 is maintained by GFGNL, hence, the parameters should be different for both the phases.</p> <p>Please review and elaborate further.</p>	PI see revision
59	3	3.1	68	<p>Early Roll-out commitment:</p> <ul style="list-style-type: none"> <li>Bidder can showcase their expertise and give revise milestone for early rollout of the project.</li> </ul> <p>Marking will be given based on percentile of highest commitment from the bidder.</p> <p>Note: Bidder has to submit the valid document alongwith summary timestamp with authorized signatory</p>	<p>We are unable to understand the evaluation method. Please provide an example of evaluation for better understanding</p>	PI see revision
60	3	3.1	68	<p>Early Roll-out commitment:</p> <ul style="list-style-type: none"> <li>Bidder can showcase their expertise and give revise milestone for early rollout of the project.</li> </ul> <p>Marking will be given based on percentile of highest commitment from the bidder.</p> <p>Note: Bidder has to submit the valid document alongwith summary timestamp with authorized signatory</p>	<p>The marking will be based on percentile of highest commitment from the bidder but it doesn't mentions about the initial scoring that bidder shall obtain to propose a HoTo commitment as per the HoTo timelines mentioned in the RFP.</p> <p>Please elaborate and provide an example of evaluation for better understanding</p>	PI see revision
61	3	3.1	68	<ul style="list-style-type: none"> <li>Additional Offering over and above the ask of RFP without additional charges - 4S (Service Portfolio, Service Provisioning, Service Performance Monitoring, Service audit and security Compliance) - Network Utilization incentive including TELCO support.</li> </ul>	<p>We are unable to understand the criteria. Please elaborate</p>	PI see revision

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62	4	4.11	75	Bids shall remain valid for 180 days after the date of financial Bid opening prescribed by the TENDERER. A Bid valid for a shorter period shall be rejected as non-responsive. In exceptional circumstances, the TENDERER may solicit Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The Bid security shall also be suitably extended. A Bidder's request to modify the Bid will not be permitted.	As date of opening of Financial Bid has not been declared in the tender document, either please declare the date of financial bid opening or amend the clause.  Generally, in all tender bid validity is asked 180 days from the due date of submission of Bid. Please review and amend the clause accordingly.	Repeated query, pl see response above
63	4	4.11	75	i. Bids shall remain valid for 180 days after the date of financial Bid opening prescribed by the TENDERER. A Bid valid for a shorter period shall be rejected as non-responsive. In exceptional circumstances, the TENDERER may solicit Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The Bid security shall also be suitably extended. A Bidder's request to modify the Bid will not be permitted.	Response against query no. 1098 of Corrigendum-III:  "Please consider Bid Validity :180 days from the Tender opening date."  Request you to revise these as following:  "Please consider Bid Validity :180 days from the <del>Tender opening date.</del> From date of bid submission."	Repeated query, pl see response above
64	4	Clause no J)	76	It is obligation on part of bidder to submit proper bid alongwith supporting valid documents.	Request you to please define "Proper Bid" as this criteria is related with the rejection of bids and becomes critical at late stage during bid evaluation for such an bid project.	It is obligation on part of bidder to submit proper bid alongwith supporting valid documents required for eligibility criterias. However, for transparent, ease of evaluation, and to control inordinate delay the following standard process will be adopted. i) The Bid evaluation team will quickly

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						<p>compile and put classified information under three(3) categories.</p> <p>a)Notable documents/ information ,</p> <p>b) clarification related documents, c) missing documents.</p> <p>ii)One time equal opportunity to all bidders may be given for sending authorized representatives for quick compliances / shortfall as per above classified information under each category to avoid unnecessary to-and-fro communications and inordinate delay.</p> <p>iii) Further, one time equal opportunity to all bidders shall be given in writing seeking clarification/ bonafid shortfall related to the documents with maximum timelimit of 5 calendar days.</p> <p>iv) The wilful default in submission of mandatory</p>



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						information during the bid process evaluation is good reason for rejection.
65	4	4.14	77	IV. The financial bid of the qualified bidders will be opened and H1, i.e., the winner through QCBS(50:50) highest mark obtained bidder shall be preferred to award the contract.	We understand that QCBS is 30:70 i.e., 30% Technical and 70% Financial as mentioned on page no. 69.  Please clarify	Pl see revision
66	4	4.14(iv)	77	The financial bid of the qualified bidders will be opened and H1, i.e., the winner through QCBS(50:50) highest mark obtained bidder shall be preferred to award the contract.	As pre the new RFP, QCBS ratio is 30:70. Please amend the clause accordingly.	Pl see revision
67	3	3.1(7.1)	58	Land Border: 7.1 The sole bidder- and OEM of proposed solution from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with Competent Authority as per OM No. 6/18/2019-PPD dated 23rd July 2020 issued by Department of Expenditure, Gol.  Documentary Proof: Self-certification from sole and OEMs on Non-Judicial stamp of Rs. 300/- in the prescribed format (Annexure – II), separately.	We understand there is typographical mistake as Prescribed format (Annexure – II) of Self-Certification for Land Border not provided in RFP documents. Instead Two different Formats of Self-Certification for Land Border are provided in RFP documents Format-VIII and Format XXI.  Please confirm in which format is applicable for Bidder/Consortium member and which one is applicable for proposed OEMs.	Pl see revision

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
68	9	9.10.1 & 9.19-Check List (9)	276 & 296	ANNEXURE TO BID FORM & Bid form duly filled & signed	As per check list Sr. No. 9, Bidder need to submit the Bid form but format of Bid Form is not provided in the RFP document.  Please provide the same.	Pl see revision
69	9	9.19-Check List (15)	296	Scanned copy of notarized Power of Attorney for signing the bid document and authorization for executing the power of attorney as per clause 14.4 of Section II along with Attestation of the specimen signatures of such authorized signatory of the bid by the Company's/ firm's bankers	There is no relevant clause 14.4 of Section II.  We understand Bidder need to submit POA as per Format-XXII provided at Page 302 of the tender document.  Please confirm.	Yes, Please refer annexure
70	9	9.19-Check List (20)	297	Undertaking from the bidder as per format given in Section XII that bidder is not blacklisted/ debarred with Ministry of Communication or GFGNL or debarring order issued by Department of Expenditure (DOE), Ministry of Finance (MOF) covering all central Ministries/ Departments as per provision of OM No.F.1/20/2018-PPD by Department of Expenditure (DoE), MoF dated on 2nd Nov 2021	There is no relevant Section XII in RFP documents. Format-VII is provided for Not-Blacklisted Undertaking.  We understand that format provided at "9.7 Format VII(Not Banned/Blacklisted/Debarred)" is to be submitted.  Please confirm.	Yes, Please refer annexure
71	9	9.19-Check List (24 & 25)	297	A Self-declaration for not being declared as non- performer in any USOF project(s),	We understand that at Checklist Sr. No. 24 & 25 is same and only one self-declaration need to be submitted against these two points.  Please confirm.	Yes, it is duplicate clause, Remove at page.298, Sr. no. 25
72	9	9.19-Check List (27 & 28)	297	Self-declaration certificate by the Bidder that the(excluding Services (I&C) and AMC value) offered as package in this tender meets the minimum local content	We understand the Self undertaking asked against Checklist Sr. No. 27 & 28 only one declaration splitted in two different points by mistake.  Please confirm.	Yes, Please refer annexure
73	9	9.10/Format X	275	Format X / Affidavit I, _____ <<Name of the bidder>> on behalf of <<Bidder's Company Name>> herewith confirm that <<Bidder's Company Name>> has - --- nos. of employees on company's payroll of specific domain asked under this RFP, which are working for the past one year. Whatever stated above is true and	As there is no requirement asked to have domain experts on bidders payroll for last one year, this undertaking seems irrelevant and should be deleted.	This ask is relevant to overall domain expertise requirement seeing BharatNet Phase-III. Hence no change.

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification									
				correct to the best of my knowledge and belief.											
74	Annexure A: TECHNICAL SPECIFICATIONS	TEC-GR Standards list, S. No. 1&2	319	<table><thead><tr><th>S. No.</th><th>Type of Material</th><th>Technical Specifications</th></tr></thead><tbody><tr><td>1</td><td>Armoured Optical Fibre Cable for underground application</td><td>TEC GR Standard No.: TEC 85170:2024 (For Armoured Optical cable for Underground duct applications ) &amp; 85260:2024 (For Ribbon Optical cable for Underground duct applications) <b>Type of Fibre:</b> Although in the TEC-GR only optical fibre of G.652 D is mentioned but vendor shall have liberty to use G.657A1 also as per ITU-T recommendation. G.652 D fibre with bend insensitive property of (G.657A1)</td></tr><tr><td>2</td><td>Aerial OF Cable (ADSS Cable): 48/24F ADSS on power lines</td><td>TEC GR Standard No.: TEC 85190:2022 (Type- A-I &amp; A-II) with latest amendments</td></tr></tbody></table>	S. No.	Type of Material	Technical Specifications	1	Armoured Optical Fibre Cable for underground application	TEC GR Standard No.: TEC 85170:2024 (For Armoured Optical cable for Underground duct applications ) & 85260:2024 (For Ribbon Optical cable for Underground duct applications) <b>Type of Fibre:</b> Although in the TEC-GR only optical fibre of G.652 D is mentioned but vendor shall have liberty to use G.657A1 also as per ITU-T recommendation. G.652 D fibre with bend insensitive property of (G.657A1)	2	Aerial OF Cable (ADSS Cable): 48/24F ADSS on power lines	TEC GR Standard No.: TEC 85190:2022 (Type- A-I & A-II) with latest amendments	<p>Please confirm Fiber Count required against TEC GR 85170:2024 &amp; 85260:2024</p> <p>Please confirm which type of cable is required (Type-A-I or Type-A-II) against TEC GR 85190:2022</p>	This RFP is solution based EPC model, Moreover please refer the fibre principle design criteria in the RFP for better understanding of fibre. Further more, Type-A1 Semi Dry core cable without ice loading will be required
S. No.	Type of Material	Technical Specifications													
1	Armoured Optical Fibre Cable for underground application	TEC GR Standard No.: TEC 85170:2024 (For Armoured Optical cable for Underground duct applications ) & 85260:2024 (For Ribbon Optical cable for Underground duct applications) <b>Type of Fibre:</b> Although in the TEC-GR only optical fibre of G.652 D is mentioned but vendor shall have liberty to use G.657A1 also as per ITU-T recommendation. G.652 D fibre with bend insensitive property of (G.657A1)													
2	Aerial OF Cable (ADSS Cable): 48/24F ADSS on power lines	TEC GR Standard No.: TEC 85190:2022 (Type- A-I & A-II) with latest amendments													
75	5	Note b)	131	As such, Strategic government locations of around 200 numbers connected on BharatNet Phase-II will also be part of this bid scope for which details will be shared separately.	We understand that these locations needs to connects like revenue villages in spur , Kindly confirm	Kindly refer detail scope and category for further clarity.									
76	5	vi	131	Bidder may advice to plan the new GP equipment in ring co-located at GUVNL/Discom substation wherever feasible in consultation with the GFGNL and serve the GramPanchayat through feasible technologies	We understand that the New GP equipment i.e. IP MPLS router to be placed at GUVNL/Discom sub station location rather than to installed at GP location. Or the 1st priority is to install the IP MPLS router at GUVNL/discom location and the 2nd priority is to install the IP MPLS router at GP location. Kindly confirm	1st priority would be GP location. Whenever GP building is not available or having infra issue, bidder may install at Discom sub location or other govt building on that Gram Panchayat territory post taking consent/writing approval from GFGNL. However, bidder must ensure placing of loop chamber near gram panchayat building									

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
						considering future need.
77	5	vii	131	PIA shall use existing OFC routes of Phase-I and Phase-II BharatNet network except leased routes for linear OFC to ring OFC topology to deliver at each GP of Gujarat.	We understand that the we can use the existing phase -1 and phase -2 fiber for linear to ring conversion for phase-3 while creating the IP MPLS network. Kindly confirm	It is clear stated for use of existing OFC routes except leased routes/sections.
78	5	xiv	132	PIA shall integrate the existing (Phase I & II) GPs and newly covered GPs (to be created) under BharatNet network. PIA shall conduct a detailed survey to cover all the GPs in a package by forming GP rings. These rings may consist of existing (Phase I & II) GPs and newly covered GPs (to be created) under BharatNet	Kindly provide the list of new GPs(not connected ) to be covers in Phase -3.	Kindly refer detail scope and category for further clarity.
79	5	5.3 (7&8&9)	133	Baseline criteria of existing fiber for Phase-I should be as per following.....  Bestline criteria of existing fiber for Phase-I should be as per following.....	Kindly provide the difference of baseline and bestline, which should we needs to achieve for batter understanding	Baseline is minimum bare requirement to be achieved by bidder and is non-negotiable requirement. Bestline is to encourage bidder to improve existing network above baseline criteria, and for achieving the same incentive are provided. Refer corrigendum for further details.
80	5	27(a)	140	GFGNL shall provide the GIS details for site and route data of the Existing Network to the PIA on as is where is basis	For better understanding of the network and the better network design we required the latitude and Longitude of all the connected and non connected GPs, Blocks, sub blocks, District locations of phase -1 ,	Existing network details of Phase-I and II will be shared to bidder based on eligibility credentials

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
					phase -2 and phase -3(new GPs).	and NDA submission. This is EPC based project; hence the design, location survey is in scope of bidder.
81	5	27(b)	140	The PIA shall deploy a GIS based planning tool for desktop planning. The tool based on the Geo coordinates of the Block and the GPs shall provide the initial optimal path of the connectivity using road data. The PIA shall use such initial plan for physical site survey.	We understand that the GIS bases desktop planning tool to be provided by PIA.	This is EPC based project; hence the design, planning is in scope of bidder.
82	5	27(j)	140	The PIA shall submit the Block wise site survey reports in line with the guidelines mentioned in this RFP	As per the understanding while doing the desktop planning, the ring will be formed between the two sub block therefore once all the GPs falls between the two sub blocks are survey and gets completed , reports to be submitted. Kindly confirm.	Yes,as per clarification sought.
83	5	28(d)	143	The PIA shall build transport architecture in three major distinct categories for connectivity across all Gram-Panchayats of BharatNet Phase-I and Phase-II in ring architecture.	We understand that PIA shall not design the transport architecture as per the RFP requirements, No need to consider the transport device in supply scope of PIA.	Repeated query, responded in previous corrigendum
84	5	28(k)	145	Average number of GPs to be parented at Sub-block shall normally be around twenty-three (23). In exceptional case, after approval of GFGNL it may allow maximum up to thirty (30) with given due justification.	As per the understanding , there are 6 to7 Gps to be connected in one ring between the two sub blocks and if we create the 3 rings between the 2 sub blocks than it will be around 3X7=21 GPs to be parented at sub block. Kindly confirm	This is EPC based project; hence the design, planning is in scope of bidder.
85	5	2	156	All Videos/ Photographs (geo tagged with time stamp) shall be submitted /uploaded with a unique location related name in a folder with file descriptions clearly indicating each of the above activities like Ducting, Blowing, Splicing, MH/CC & RM. For field activities, GFGNL will provide GIS mobile application and server storage space to store all digital artifacts captured by PIA on field. Further, PIA team need to support to GIS team to	As per our understanding that the Mobile app for the videography is to be provided by GFGNL, and it is to be provided from Day one of the project starting. GFGNL is also provide the server and storage for the data storage of the videography from the day-1. PI confirm.	Kindly refer GIS scope for more details in separate NOC infrastructuer RFP published by GFGNL. Mobile GIS application will be provided by GFGNL

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
				finalize the template and related process to achieve 100% accuracy in the digital collection of artifacts require by the tenderer in this RFP in all sections.		through separate BID.
86	5	11 (.e)	162	Selected bidder has to provide Project Management Tool including Workflow management, RoW Management and integrated with GFGNL's existing GIS, i.e. the web portal / project management should be ready with RoW tracking details and made live update on day0.	we understand that project monitoring tool to be provided by GFGNL as it is already mentioned in 5.13.5.2 Kindly confirm	Kindly refer scope Server and storage will be provided
87	5	5.13.1.1	170 - 179	DETAILS OF EXISTING SET-UP, INVENTORY DETAILS ETC. OF BHARATNET PHASE-2	As per our understanding GFGNL will provide the new inventory details to PIA after upgradation of the backhaul network. PIA shall not consider these inventory details for the O&M.	Please refer the section :8 of Financial Bid . The same is reproduced herewith for .convienece; "In case, if any other type of electronics equipment (to be installed at centralized as well as field locations) will be procured for this Network in future through separate tender, the PIAs of respective packages will be responsible to perform O&M of these devices. For this, 1% of centralized equipment cost and 2% of field equipment cost will be paid to respective PIAs per annum as O&M charges.

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
						The items will be procured with sufficient AMC/warranty cover by GFGNL. This clause will apply only in case of equipment procured and set up in uplink layer above GP Router including revenue village level. For horizontal connectivity at village level or from GP Router or revenue village level, this clause will not apply"
88	10	.-	319	IV. DWDM transport nodes VIII. Telecom grade Shelter (New) and Upgradation of existing shelters	As per our understanding DWDM transport nodes and Telecom grade Shelter will be provided by GFGNL and not in PIA's scope. PI confirm	PI see response above.
89	Corrigendum -III		2	Additional Clauses: A) Increase in GP scope numbers during execution: Looking at incremental work only for incremental GP during execution phase (after work order), the payment will be as follows.  (i) New GP connected with one arm (i.e. linear), then 40% of discovered rate per GP will be applicable for payment.  (ii) New GP connected with two arms (i.e. on ring path), then 70% of discovered rate per GP will be applicable for payment.	We think that for GP connected with two arms (i.e. on ring path), then PIA shall be paid 100% of the discovered rate per GP.  Please review and revise the same.	Increase of GP Scope may assumed to have additional work from deployed nearest route which will reduce scope of work and hence such criteria for add on GP is as per RFP. No change.
90	SECTION-10 SPECIAL TECHNICAL	Annexure B: TECHNICAL SPECIFICATIONS OF		Sr. No. 1 Type  Online , TEC GR 66160:2024 or latest updates (Release in June 2024)	Need clarity on applicable GR as earlier TEC 66160:2024 and now its changes to TEC 66160:2019. As per TEC information 66160 is published in 2024 which is	For the wider participations, Both GR will be allowed. However, For TEC GR 66160:2019

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
	CONDITIONS	NETWORK AND ITS COMPONENTS  X. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP			applicable for hybrid AC+DC UPS and 66140 has published in 2019. (TEC GR 66140:2019)  So, please confirm	for the UPS is allowed with dual rectifier and additional functionalities of BMS, monitoring parameters, etc. Excluding Solar associated provisions of TEC 66160:2024.
91	Corrigendum -III	Sr. No. 76		Please see revision For Online UPS, consider TEC 66140:2019 with latest amendments, if any.	Need clarity on applicable GR as earlier TEC 66160:2024 and now its changes to TEC 66160:2019. As per TEC information 66160 is published in 2024 which is applicable for hybrid AC+DC UPS and 66140 has published in 2019. (TEC GR 66140:2019)  So, please confirm	Pl see response above.
92	Fact Sheet	21. Performance Bank Guarantee  (Page no of )		i) 5 % of CAPEX, ii) 5% of OPEX per package ( Existing O&M ) and iii) 5% of OPEX per package (Entire Phase - III)	We understand that the 5% of PBG for existing O&M will be 5% of 849.6cr (i.e., 60% of 1416 crs) as per financial bid format, (pt no. 10) Notional Capex of Package-A for existing Phase-I and Phase-II  Kindly confirm if our understanding is correct.	Please refer "section :2 PAYMENT SCHEDULE OF PROJECT" where, per day GP O&M is explicitly mentioned for broad calculations. The selected bidder will get the opportunity to inspect the existing O&M financials for arriving at exact PBG amount.



Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
93	3.1 PRE-QUALIFICATION CRITERIA	Sr no. ii (Page no. 51 of 487 )		A constituent of such Bidder, (the Bidder, its consortium member/s (the "Member/s") or Associates (or any constituent thereof) for the Package, is also a constituent of another Bidder, for the other Package	We understand from the clause that the consortium partner of one package cannot be the lead/consortium partner of another package. Kindly confirm.	Pl see corrigendum again
94	3.1 PRE-QUALIFICATION CRITERIA	Sr no. ii (Page no. 51 of 487 )		A constituent of such Bidder, (the Bidder, its consortium member/s (the "Member/s") or Associates (or any constituent thereof) for the Package, is also a constituent of another Bidder, for the other Package	Both the clauses are contradictory We understand that the clause mentioned on page 64 shall prevail and clause mentioned on page 51 needs to be corrected.  This implies that there shall not be any conflict if "Bidder, its consortium member or Associates for one package can participate with other bidder, its consortium member or Associate, for the other Package." Please confirm.	Yes , It is typo mistake. Page:64 is prevailed . Removing page -51 clause. Pl see revision:For conflict of interest: "Bidder, its consortium member or Associates for one package can participate with other bidder, its consortium member or Associate, for the Package.
95	3.1 PRE-QUALIFICATION CRITERIA	Note 4. Sr no. i (Page no. 62 of 487 )		A constituent of such Bidder, (the Bidder, its consortium member (the "Member") or Associates (or any constituent thereof) and any other Bidder, its consortium member or Associate ), for the Package, is also a constituent of another Bidder, for the Package; or		NA
96	Appendix # A	#Table-01 For Sole Bidder #Table-02 For Lead Bidder and Consortium (Page no. 59 of 487)		Appendix # A  Experience of OFC Project (km) - 8,000 Km or OFC Project order value Rs. 500 Cr up to max two(2) multiple orders.  Experience of OFC O&M (km) - 5,000 Km of OFC O&M or order value Rs. 25 Cr up to max two(2) multiple orders	In Appendix#A, Experience is asked for "up to max two(2) multiple orders", whereas the Correction is not reflected in this clause no. "Pre Qualification Criteria, Sr.no 3 Experience , Note 7 (Page no. 55 of 487) "Note-7 The above experience conditions can be met either through single project or multiple projects executed during last 10 years as on date of submission of bid."	Pl see revision

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
97	Appendix # A	#Table-01 For Sole Bidder #Table-02 For Lead Bidder and Consortium (Page no. 59 of 487)		Appendix # A  Experience of OFC Project (km) - 8,000 Km or OFC Project order value Rs. 500 Cr up to max two(2) multiple orders.  Experience of OFC O&M (km) - 5,000 Km of OFC O&M or order value Rs. 25 Cr up to max two(2) multiple orders	We understand that capping of two multiple orders is required to meet the Project order value criteria (i.e. Rs 500 Crs / 25 Crs) and is not applicable for meeting the OFC laying / O&M experience (i.e 8000 Km / 5000 Kms). Bidders can submit multiple project experience executed in last 10 years to meet OFC project experience of 8000 Kms / 5000 Kms respectively. Please clarify.	Pl see revision
98	3.1 PRE-QUALIFICATION CRITERIA	2. Company Turnover		Note 1. Sole/Lead bidder can participate/bid for both the packages, however, will get only one package.	As per the revised clause we understand that Lead bidder can participate in both the packages, however will get only one package, but the Correction is not reflected in below clauses: - Note 1, Sr no. 3". (Page no 52 of 487) <i>"The lead bidder of one package is allowed to participate in only one package."</i> - Note 2: Consortium Criteria: Sr no. 4". (Page no 62 of 487) <i>"The lead bidder of one package is allowed to participate in only one package"</i>	Pl see revision
99	3.1 PRE-QUALIFICATION CRITERIA	2. Company Turnover		Note 1. Sole/Lead bidder can participate/bid for both the packages, however, will get only one package.	Please clarify the following scenarios are acceptable or not. 1. If one can participate as a consortium partner in both the packages and get both the packages as a consortium partner? 2. If the lead bidder of one package can be a consortium partner in another package and get the project as a lead bidder in one package and another as consortium partner. 3. If the lead bidder of each packages can be the consortium partner of	Pl read the RFP.

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
					another package and vice-a-versa. For ex. X is lead bidder in package A and consortium partner in package B , Y is lead bidder in package B and consortium partner in package A	
100	3.1 PRE-QUALIFICATION CRITERIA	Note 2: Consortium Criteria:		12. After the Post bid process, If any change or conflict between lead and consortium partner/s impacting tenderer deliverables, or break the consortium partnership, penalty of Rs 20 Cr will be imply to lead bidder. Addition to this, In such an event, not withstanding anything to the contrary contained in the Agreement, the competent authority shall be entitled to forfeit and appropriate the Bid Security and Performance Security, as the case may be, as damages, without prejudice to any other right or remedy that may be available to the competent authority under the Bidding Documents and/ or the Agreement or otherwise.	Request you to kindly remove the clause and allow to have a right of change of consortium partner to lead bidder in case of non performance of consortium partner without any penalty, as the project duration is long. If partner fails to meet their obligations, it could impact the overall project deliverables and SLA. This flexibility will help mitigate risks and ensure continued compliance with project requirement.	Such wisdom of selecting and de-selecting partners (consortium), choosen OEM firstly is not allowed. Any relaxation to this is subjected to satisfy exceptional conditions and that to can not be without penalty provisions.
101	3.1 PRE-QUALIFICATION CRITERIA	6. MAF Page no. 56 of 487		Note iii). Maximum two MAF are allowed. clearly mentioning the Primary MAF and Secondary MAF. The bidder has no choice to shift the secondary MAF to Primary MAF in any conditions.	Kindly confirm, if only MAF is required to submit for secondary OEM or all the other documents like datasheets, TSEC/TEC etc is also required at the time of bid submission.	MAF with all other necessary documents like but not limited to datasheets, TSEC/TEC, etc also mandatory submission while bidding.
102	3.2 Technical Qualification Criteria	Section 3 Page No. 67 of 487		TQ - 3 Offered Product Portfolio with % market share (will be as part of contract)(Product Proposed at SDC, block, sub-block, GP and TC / DC): <ul style="list-style-type: none"> <li>• Passive Component (Supplied quantity in last 3 years, Manufacturing capacity, Service support)</li> <li>• Active Component (Past supplies of offered family and visibility software (EMS) single UI, Repair &amp; return commitment)</li> <li>• Power Backup (Supplied quantity in last 3 years)</li> </ul> Note: This marking will be based on Percentile. This will be part of the	<p>Due to this clause and percentile marking, each bidder shall turnout to be selecting that One OEM who is getting highest marks. This clause shall give that OEM an upperhand and OEM shall dictate their terms on the bidder's.</p> <p>Also, this shall not favour other OEMs who have the similar capabilities but lesser market share. Bidders cant associate with these OEMs even</p>	PI see revision

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
				contract and deliverables and same shall be diligently applied in WO/Agreement	though they are complied and can deliver the project on good prices. Hence we feel that, this clause is very restrictive and shall create OEM monopoly.  We suggest you to keep some minimum criteria for OEM qualification and remove this from technical marking.	
103	3.2 Technical Qualification Criteria	Section 3 Page No. 68 of 487		TQ 6 - HoTo Commitment: Any slippages in taking over process is non-negotiable. Additional offering as contractual commitment on Early completion of HoTo will be rewarded with additional 1 marks per month per phase basis or part thereof. Note: Bidder has to submit the valid document alongwith summary timestamp with authorized signatory	We would like to bring to your kind attention that if authority is going to give marks based on some commitment, (basis Gant chart submitted in bid), then each bidder will provide the undertaking at bid stage and will score full marks in this section. How authorities will ensure that commitment provided by bidder's shall be maintained and followed during implementation. We would like to understand the evaluation part from GFGNL to give the marks for this clause.	Pl see revision
104	3.2 Technical Qualification Criteria	Section 3 Page No. 68 of 487		TQ - 7 Minimum Up-time including power protection: Minimum of 98.5 % at GP is having 9 marks, Each increase in 0.5%, 2 marks will be awarded up to maximum of 15 marks Mean time to restore (MTTR) : 4 hrs : 2 marks, <= 4 hrs : additional 1 marks for each reduction in MTTR in slot of 15 min up to max 5 marks Note: Bidder has to submit the valid document alongwith summary timestamp with authorized signatory	We would like to bring to your kind attention that if authority is going to give marks based on some commitment, (basis Gant chart / solution writeup submitted in bid), then each bidder will provide the undertaking at bid stage and will score full marks in this section. How authorities will ensure that commitment provided by bidder's shall be maintained and followed during implementation. We would like to understand the evaluation part from GFGNL to give the marks for this clause.	Pl see revision

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
105	3.2 Technical Qualification Criteria	Section 3 Page No. 68 of 487		TQ - 8 Early Roll-out commitment: • Bidder can showcase their expertise and give revised milestone for early rollout of the project. Marking will be given based on percentile of highest commitment from the bidder.	We would like to bring to your kind attention that if authority is going to give marks based on some commitment, (basis Gantt chart / solution writeup submitted in bid), then each bidder will provide the undertaking at bid stage and will score full marks in this section. How authorities will ensure that commitment provided by bidder's shall be maintained and followed during implementation. We would like to understand the evaluation part from GFGNL to give the marks for this clause.	PI see revision
106	Section 5	5.13.9 OTHER NETWORK O&M PARAMETERS Page No. 203 of 487		Existing GP Powerbackup/UPS having 1 KVA capacity with 2 hours back up, Bidder needs to upgrade it to achieve at least minimum 8 Hours 6 Hours of Back up. This refresh needs to be done during the first quarter of the project only.	We would need the full inventory details of existing components for design purpose and we need to understand the working conditions of the components and warranty details. Please provide the required details.	PI see response above
107	Section 5	5.13.9 OTHER NETWORK O&M PARAMETERS Page No. 203 of 487		Existing GP Powerbackup/UPS having 1 KVA capacity with 2 hours back up, Bidder needs to upgrade it to achieve at least minimum 8 Hours 6 Hours of Back up. This refresh needs to be done during the first quarter of the project only.	We would need the full inventory details of existing components for design purpose and we need to understand the working conditions of the components and warranty details. Please provide the required details.	PI see response above.
108	v) FACT SHEET	Clause No. 9		9. Last date for submission of Bid/proposal - 02/04/2025 at 06:10 pm	As this is an EPC-based project, the bid preparation process is extensive and requires detailed engineering, design, network planning, and BOQ preparation and all of which demand significant effort. Corrigendum is received on 19th Mar 2025 which has necessitated further modifications.  Given the complexity of the project, we require additional time to ensure a comprehensive and well-	PI see revision

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
					<p>structured bid submission. We request you to extend the bid submission due date by at least 4 weeks from current bid submission due date. This extension is necessary to allow PIA sufficient time to receive the response from all the OEMs, negotiate and, thereby enable us to submit a techno-commercially competitive offer for this project.</p> <p>Hence, we request you to kindly extend the date of bid submission by 4 weeks i.e, 30th April 2025</p>	
109	XI. Unlicensed Band Radio (UBR)		Page 348	1 x 100/1000 Base-T[X] type with auto negotiation or 1 GE optical ports (1310nm, all with auto-negotiation, 5 Km range SFPs) shall be provided for FO	<p>1) For radios used for BH must have support of SFP &amp; Gig Electrical port because if data is routed via SFP port then Power will be provided by Gig Electrical Port.</p> <p>2) Availability of both Electrical and Optical Ports provides flexibility for deployment as power can pass through one port and data can pass through other port</p>	We are looking for wider participations. The additional features over and above the ask of the RFP can be submitted for high score as part of better quality product.
110	XI. Unlicensed Band Radio (UBR)		Page 348	VLAN Support - Comprehensive VLAN support: 802.1Q, Q-in-Q, Access, Trunk, Transparent, Quality of Service (QoS)	Trunk configuration of VLAN is a feature of Switch nor radio.	No change
111	XI. Unlicensed Band Radio (UBR)		Page 348	Security - WPA-PSK, AES 256-bit encryption; IPv4 and IPv6 supported	Radio Link ID should not get broadcasted, if the link is on and SSID can be discovered by anyone and this exposes link to cyber attack.	Security is utmost important and it should be privately held information for unauthorized access. Hence, it should not be broadcasted to other/s.
112	XI. Unlicensed Band		Page 348	Detailed Ethernet and wireless interface monitoring via NMS, Real-time counters for Tx/Rx data rates, packet loss, and performance	Request to consider the following critical Performance Monitoring Parameters: 1.Wireless	We are looking for wider participations.

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
	Radio (UBR)			data,Power Issue(Utility),Equipment-coldStart, warmStart, linkDown, linkUp, authentication Failure, and link utilization, performance, latency,etc.EMS/NMS ,Syslog Support atleast : fault, configuration, accounting, performance and security	Tx/Rx (Data rate) 2. Wireless Tx/Rx usage 3. Wireless drop packet 4.(UAS/E/UL RSS/DL RSS/UL Rate/DL Rate/UL utilization/DL Utilization)	The additional features over and above the ask of the RFP can be submitted for high score as part of better quality product.
113	XI. Unlicensed Band Radio (UBR)		Page 349	System Configuration: Browser-based GUI for performance monitoring with PMON/RMON	1) Request to clarify the requirement here as all the performance related parameters already asked in Monitoring & Reporting.PMON/RMON is a specific standard followed in MW Radios. 2) Performance Monitoring already asked on Page 348 above and hence as this is repeated clause it should be deleted	Remove-01 , Update Clause : System Configuration: Browser-based GUI for performance monitoring <del>with PMON/RMON</del>
114	XI. Unlicensed Band Radio (UBR)		Page 349	Advance Features - GPS synchronization, MAC-level authentication, device alerts, wall/pole mounting, MIMO technology, 1024QAM modulation	MAC Spoofing is easy now a days so it is recommended to use Link Password or RADIUS Authentication.	Security is utmost important and it should be protected in all case scenario for securing the link from third party including password at wireless link level.
115	XI. Unlicensed Band Radio (UBR)		Page 349	PoE Switch Features 1) Managed 4-port PoE switch 2) 10/100/1000Base-T and optical GE ports 3) IPv4 and IPv6 support, full QoS features, PoE management, RADIUS authentication	Switch is a separate line item required for deployment hence please treat it separately from UBR Radio	PoE switch is removed. L2 Switch is separate line item, and it is not part of the Radio.However, radio should be compatible for taking and providing traffic through planned router/switch. It should be not the bottleneck for end to end

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						traffic solution.
116	XI. Unlicensed Band Radio (UBR)		Page 349	EMS System - Full integration with NMS; Internal and external alarms; Traffic/statistical reporting with offline generation	Not clear hence please let us know What is the meaning of offline generation.	Typo Error Updated Clause: EMS System - Full integration with NMS; Internal and external alarms; Traffic/statistical reporting <del>with offline generation</del>
117	3	Clause 3.1 Note II: clause iv Page 51		In case of Consortium, the number of bidders including Lead Bidder can be maximum two.	Consortium of three members may be allowed including lead bidder	Too many people trying to control or influence the situation, it may lead to a negative result and that is neither in the interest of bidder nor of tenderer.
118	5	clause 2 Note 1 & 3 Page 52		Note: 1. Sole/Lead bidder can participate/bid for both the packages, however, will get only one package. Note 3: The lead bidder of one package is allowed to participate in only one package.	The given points in Note 1 and 2 are contradictory. We understand that eligible Lead bidder can participate in both the packages	Typo already corrected in last corrigendum. Please see last corrigendum.
119	1	clause 12 Page 18		Bid Security/ Earnest Money Deposit (EMD) Amount Payable	If bidder is addressing both packages, EMD value for the two packages together may be reduced/optimized in line with BSNL Bharatnet project.	As per RFP, No change
120	3.2	3.2 TECHNICAL QUALIFICATION CRITERIA subclause 2 Page 66		The available bid capacity of the following entities as commitment (Undertaking) for Gujarat to execute project on time a) Bidder b) Fiber OEM c) Duct OEM d) UPS OEM	Kindly confirm the basis of evaluation of bid capacity, break up of marks and documentary proof required for complying to the said clause, as based on undertaking, the marks distribution is not justifiable	Pl see revision



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121	3.2	3.2 TECHNICAL QUALIFICATION CRITERIA subclause 5 Page 67		<p>For Phase-1: Fiberization Strategy design of one district of Gujarat for improving overall health of the link &amp; redundant link :</p> <ul style="list-style-type: none"> <li>•Clarity on broad principles mentioned in the RFP, HLD with traffic engineering, % GP above the base criteria for dual homing,</li> <li>•Integration with Phase-2 ,</li> <li>•Special planning for optimization of fiber planning desert area like Kutchh,</li> <li>•% Scope of rework declared by PIA (10 % to 20%)( lower % will be having high mark)</li> </ul> <p>For Phase-2:</p> <ul style="list-style-type: none"> <li>• Fiberization Strategy design for improving overall health of link &amp; redundant link: Clarity on broad principles mentioned in the RFP,</li> <li>•% GP above the base criteria for dual homing,</li> <li>•HLD with traffic engineering</li> <li>•% Scope of rework declared by PIA (5% to 10%) (lower % will be having high mark)</li> </ul>	Kindly confirm the break up of marks and documentary proof required for complying to the said clause	PI see revision
122	3.2	3.2 TECHNICAL QUALIFICATION CRITERIA subclause 6 Page 68		HoTo Commitment: Any slippages in taking over process is non-negotiable. Additional offering as contractual commitment on Early completion of HoTo will be rewarded with additional 1 marks per month per phase basis or part thereof. Note: Bidder has to submit the valid document alongwith summary timestamp with authorized signatory	Kindly confirm the documentary proof required for complying to the said clause, Please clarify the marks distribution based on submission of undertaking.	PI see revision
123	3.2	3.2 TECHNICAL QUALIFICATION CRITERIA subclause 8 Page 68		<p>Early Roll-out commitment:</p> <ul style="list-style-type: none"> <li>• Bidder can showcase their expertise and give revise milestone for early rollout of the project. Marking will be given based on percentile of highest commitment from the bidder. Note: Bidder has to submit the valid document alongwith summary timestamp with authorized signatory</li> </ul>	Kindly confirm the documentary proof required for complying to the said clause, Please clarify the marks distribution based on submission of undertaking.	PI see revision
124		General		Due date of bid submission	As the project involve comprehensive , bid submission due date may be extended upto 4 weeks from the present due date to incorporate the clarifications in the bid.	Please see revision
125				-	Request for inclusion of insurance surety bond for EMD for the work	PI see revision. Insurance Surety Bond

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
						for EMD is accepted as per GFR.
126	Section 10 - Annexure B	X. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP		Type --- Online for TEC GR 66160:2019 or latest updates without any Hybrid functionality	UPS should comply to TEC GR 66160:2024. Hybrid functionality given in the GR is not required and none of the component related to Solar CCU should be part of UPS.	Query answered above
127	Section 10 - Annexure B	X. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP		Technology --- Rectifier with double conversion	Additionally, There should be redundancy in the rectifier which should work as defined in GR66160:2024. Redundancy in rectifier will improve up time	Query answered above
128	Section 10 - Annexure B	X. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP		Backup time --- Minimum 6Hrs with full load	(For more clarity, add 500W as full load) Minimum 6 Hrs. with Full load (500W)	Updated Clause: Minimum 6 Hrs with 500W Full load. Same has been already mentioned in the RFP
129	Section 10 - Annexure B	X. Minimum Technical specifications for Uninterrupted Power Supply		Electrical Safety --- Isolation transformer for Source isolation	Isolation transformer is not required. Rectifiers are designed to work in wide range which is 110V – 280V and it has inbuilt high voltage protections.	For the rural centric model, isolation transformer is mandatory requirement.

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
		(UPS) System at GP				
130	Section 10 - Annexure B	X. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP		IP standard --- IP 21 & above	We suggest to mount UPS, battery and network equipments in one single rack. This will save space as well as cost of additional rack.	Repeated query, pl see response above
131	Section 10 - Annexure B	X. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP		Input Frequency --- 50 HZ (+/- 6% at Mains mode) 50 HZ (+/- 1% at Battery mode)	Input frequency in battery mode is not applicable as battery input voltage is DC.	Pl see technical specification table for reference
132	Section 10 - Annexure B	X. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP		Output Frequency --- 50Hz +/- 1	Request clarification Is it +1% or +1Hz?	<u>Updated Clause:</u> Output Frequency --- 50Hz +/- 1Hz
133	Section 10 - Annexure B	X. Minimum Technical specifications for Uninterrupted Power Supply		Alarm Execution method --- RJ45 With SNMP at SNOC / CNOC	Alarm and data extension as per GR66160:2024	Pl see response above.

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
		(UPS) System at GP				
134	Section 10 - Annexure B	X. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP		UPS body --- Metal/Plastic with one unibody design includes UPS and Battery Back with grouted on floor with anti- theft mechanism	We suggest to mount UPS, battery and network equipments in one single rack. This will save space as well as cost of additional rack.	It will restrict the participations.
135	Section 10 - Annexure B	X. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP		Recharge time --- 6 to 8 Hrs in Offline mode	Offline mode is bit confusing because recharging will happen only when Mains is available. So "Offline mode" should be removed from this clause.	Pl see the revise clause: Recharge time --- 6 to 8 Hrs in <del>Offline mode</del>
136	Section 10 - Annexure B	X. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP		Visibility --- The PIA shall make suitable provision in the UPS to connect the same with the network elements for extending the UPS related alarms, lie but not limited to, battery, to the SNOC and CNOC Bidder for UPS has to ensure the SNMP or suitable mechanism for all active field network element centrally visible for easy doing business. Failure to this will hold the payment of respective milestones.	Extension of alarms and data as per GR 66160:2024	Pl see response above.
137	Section 10 - Annexure B	X. Minimum Technical specifications for Uninterrupted Power Supply		Output Connector --- Minimum 2 nos. IEC Socket	Because rack already has sockets in PDU, UPS can have terminal blocks for L,N,E. From terminal block , any 3 core cable can be connected to PDU. So IEC sockets are not required on UPS.	The Purpose is to connect UPS to devices colocated at seprate Rack. Hence, this assumption in query is restrictive.

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
		(UPS) System at GP				
138	Section 10 - Annexure B	XIII. Rack at GP Locations		Size --- Minimum 19U Floor Mount	For more clarity it is requested to modify the clause as "Floor mount with minimum 19U internal space including Fan Tray and PDU".	Already Specified in the RFP
139	Section 10 - Annexure B	XIII. Rack at GP Locations		Misc --- Minimum 600 mm above from Floor level. Required fabrication stand to be made by PIA.	For more clarity it is requested to modify the clause as "Fabrication stand is to be made by PIA which can raise the rack by 600mm above the floor level. Because plinth of the rack is already 300mm, height of stand should also be 300mm so that total height of system should become 600mm"	The purpose is minimum 600mm above from the floor level
140	Section 10 - Annexure B	XIII. Rack at GP Locations		Misc --- All enclosure panels are single walled boltable from inside with earthing to be done on all flat parts	This point is covered in point no. 12 , so it should be deleted.	<p>Typo Error: <i>Updated Clause:</i> Front single door with 4-point locking system and <del>rear panel boltable from inside</del> in single walled construction with door stay.</p> <p>It is obligation on part of bidder to submit proper bid alongwith supporting valid documents. However, for transparent, ease of evaluation, and to control in ordinate delay the following standard process will be adopted. i) The Bid evaluation</p>

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
						<p>team will quickly compile and put classified information under three(3) categories.</p> <p>a) Notable documents/ information ,</p> <p>b) clarification related documents, c) missing documents.</p> <p>ii) One time equal opportunity to all bidders may be given for sending authorized representatives for quick compliances / shortfall as per above classified information under each category to avoid unnecessary to-and-fro communications and inordinate delay.</p> <p>iii) Further, one time equal opportunity to all bidders shall be given in writing seeking clarification/ bonafid shortfall related to the documents with maximum timelimit of 5 calendar days.</p> <p>iv) The wilful default in</p>

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
						submission of mandatory information during the bid process evaluation is good reason for rejection.
141	Section 10 - Annexure B	XIII. Rack at GP Locations		Frame Material --- Zinc magnesium coating with 25mm system punching in the roof and base frame plus vertical sections with two mounting levels, rolled out of a single sheet. Powder coated with UV Resistant pure polyester RAL 7035 Matt super durable with painting thickness of 80 to 120 microns minimum.(page 305, Sr. 16)	For more clarity it is requested to modify the clause as "Rack should be made up of GI material which should be duly powder coated with UV resistant pure polyester RAL7035 Matt super durable with painting thickness of 80 to 120 microns minimum.	Both are allowed( Zinc coated or GI material with duly powder coated with UV resistant pure polyester). The Objective is to purchase quality rack which should not deteriorate over a period of time minimum 10 years. It is the PIA's responsibility to provide quality and robust product line. Any deficiency during the contract period in case be observed at any given of time, then bidder has to replace the same without any additional cost to GFGNL.
142	Section 10 - Annexure B	XIII. Rack at GP Locations		Enclosure Flat Parts Material --- Enclosure Flat parts material: Galvanized sheet steel 1.5mm / 2 mm thick of 120 GSM / Front single door with 4-point locking system and rear panel bolttable from inside in single walled construction with door stay, Side panels left and right in single walled construction bolttable from inside, Rain	There is no need to make side panels bolttable from inside. This has no use as those cannot be opened once rack is equipped with all the equipments. So it is requested to remove this particular line.	Principle requirement is to secure the devices inside the rack with lock and without damaging from the

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
				canopy of 75mm height with projection all around, with 300 mm base plinth of 3mm thick, The enclosure Flat parts to be gasketed with Outdoor Polyurethane foam gasket, the fasteners will be of SS 304 grade suitable for outdoor application.		external factors.
143	Anexure-B TECHNICAL SPECIFICATIONS OF NETWORKS AND ITS COMPONENTS	POINT no. Xil	303	2.Distance Support  For 10Gbps : Upto 3Km For 1Gbps: Upto 10Km	As one more FSO product of 10G upto 5Kms distance developed , pl include same also in RFP which will be useful in using as Alternate Technology for longer distance. Data sheet of 10G/5 kms also attached for your reference. PI amend point- 2 & 3 as below:  For 10Gbps : Upto 5Km For 1Gbps : Upto 10Km	PI see revision
144	5.7 Alternate Technology Implementation	Point no. II	154	Further, for difficult terrain non accessible routes, ROW challenges, etc. alternate technologies Now Scope of Alternate Technology scope is increased & changed in for connecting GP to GP or GP to sub-block route, alternate technologies link (hop) quantity up Clause 5.3 Fiberisation & Design Principles as point no. 16, 17 & 18 at to 49% off the total GP's scope may be permitted, subject to meet the bandwidth delivery and Page no 134 as below clauses. This Clause either deleted or changed SLA criteria commitment and with concurrence of GFGNL official.	Now Scope of Alternate Technology scope is increased & changed in for connecting GP to GP or GP to sub-block route, alternate technologies link (hop) quantity up Clause 5.3 Fiberisation & Design Principles as point no. 16, 17 & 18 at to 49% off the total GP's scope may be permitted, subject to meet the bandwidth delivery and Page no 134 as below clauses. This Clause either deleted or changed SLA criteria commitment and with concurrence of GFGNL official. as per as per existing clause no. 16, 17 & 18 ( page no. 134)	PI see revision



Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
145	Section 6	Section 6.2		Payment Terms	<p>Please see Revised Clause:</p> <p>i.) 15% of capex value as Advance within 15 days of award of PO</p> <p>ii.) 50% of Value on Draw (Fiber route laying) and Discovery (GP equipment visibility) for GP and Revenue villages activities defined in Milestone 2 in RFP.</p> <p>iii.) 20% of Value on Sub-block to Sub-block Ring closure for GP and Revenue villages activities in Milestone 3 in RFP.</p> <p>iv.) 10% of Value on GP ring closure and Service testing / Partial Go-Live For Phase-I &amp; II and activities defined in Milestone 4 in the RFP.</p> <p>v.) 5% of Value on Inspection and end deliverables of the project and activities defined in Milestone 5 in the RFP.</p>	Timebeing we are not relaxing. However, we have noted your request.
146	Section 4	Section 4.21 (ii)		Date of commissioning for block & GP routers and associated hardware will be taken as the date on which 90% of the GPs of a block, including block router is visible in state NoC NMS, The warranty shall start from 1st day on next calendar quarter ( i.e., 1st jan / 1st apr / 1st jul / 1st oct) from date of commissioning . for rest of such equipment commissioned after the achievement of mile stone as above, the warranty shall start from 1st day on next calendar quarter ( i.e., 1st jan / 1st apr / 1st jul / 1st oct) from date of commissioning of all remaining routers and associated hardware of the block .	<p>We request you to add the below to the clause:</p> <p>In case 90% GPs in ablock are not commissioned due to reason not attributable to contractor/bidder then warranty for respective GPs shall commence on standalone commissioning of GP.</p>	Timebeing we are not relaxing. However, we have noted your request.
147	10	7 (pg. 81)		.....If any defect is not remedied by the supplier within a reasonable time, the Purchaser may proceed to get the defects remedied from other supplier/contractor/PIA etc., at the supplier's risk and expenses, but without prejudice to any other rights which the purchaser may have against the PIA/supplier in respect of such defects.	The condition that GFGNL reserves the right to remedied the defects at the risk and cost of the defaulting vendor actually puts the vendor in UNLIMITED/UNCAPPED RISK, As there are multiple penalties already applicable, it is requested that the said clause may be removed.	Timebeing we are not relaxing. However, we have noted your request.

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
148	4	4.33 X (pg. 87)		In the event GFGNL on behalf of DIGITAL BHARAT NIDHI(DBN), DoT terminates the contract in whole or in part, GFGNL on behalf of DIGITAL BHARAT NIDHI(DBN), DoT may procure, upon such terms and in such manner as it deems appropriate, works similar to those undelivered and the Contractor shall be liable to GFGNL on behalf of DIGITAL BHARAT NIDHI(DBN), DoT for any excess cost for such similar works. However, the Contractor shall continue the performance of the contract to the extent not terminated.	The condition that GFGNL reserves the right to remedied the defects at the risk and cost of the defaulting vendor actually puts the vendor in UNLIMITED/UNCAPPED RISK, As there are multiple penalties already applicable, it is requested that the said clause may be removed.	Timebeing we are not relaxing. However, we have noted your request.
149	4	4.36 (pg. 91)		Limitation of Liability	Please cap the overall liability of the bidder under the RFP to 10% of total capex value of the awarded work order to PIA.	PI see earlier corrigendum with RFP in same section.
150	Appendix 1	4.1, 4.2, 5.1, 6, 7, 10 (pg. 105....)		Failure to supply and/ or Commission the equipment and /or execution of the work at all even in extended delivery schedules, if granted against PO/ WO	We request GFGNL to kindly revise the clauses with the essence of keeping the context as : Defaults by the vendor in the performance of its delivery obligations shall render the vendor liable to the following:- - Short closure of the contract in part or full and/ or termination of the contract for default after serving a notice of 30 days to the vendor to cure the defect. Further the vendor shall not be liable for cost for replacement services in any event and only applicable penalties agreed under the agreement will be deducted.	Timebeing we are not relaxing. However, we have noted your request.

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
151	(Revised RFP) Annexure A (Technical specification)	Technical specification for OFC  Page 322/ 487		Armoured OFC for UG application: Type of Fibre: G.652D fibre with bend insensitive property of G.657A1	<p>The TEC ORM 89010_2021 has provisions for G.652D fibre, G.657 fibres separately. There is no fibre specification for G.652D with G.657A1 properties.</p> <p>In this case two situations may arise as below. 1) Manufacturers who have TSEC/ QF-103 for the armoured cables with G.652D fibres would be required to give an undertaking that their G.652D fibres have bend insensitive property of G.657A1 fibre. Their TSEC/ QF-103 with G.652D fibre along with the above undertaking would make them eligible for applying to the bid and they do not need to apply for fresh TSEC with G.657A1 fibres before supply.</p> <p>2) Manufacturers who have TSEC/ QF-103 with G.652D fibres would be required to take fresh TSEC with G.657A1 fibre [with MFD of G.652.D fiber (i.e. 9.2+/-0.4 micron at 1310 nm) as G.657.A1 meets all other properties of G.652.D specified in TEC-ORM] before supply.</p> <p>Please confirm which would be the required scenario.</p> <p>We understand that irrespective of the requirement of TSEC with G.657A1 fibre before supply, every manufacturer who have TSEC/ QF-103 with G.652D fibre are eligible for bid participation.</p>	Type of Fibre to use: G.652D fibre with bend insensitive property of G.657A1(TEC/ GR only optical fibre of G.652 D and G.657A1 also as per ITUT recommendation).

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
152	(Revised RFP) Technical specification of OFC	OFC Minimum specification  Page 327/ 487		Aerial : 24F ADSS unarmored cable Under Ground: ITU-T-G.657 (G.657A1) (TEC GR Standard No.: TEC 85260:2024 with latest amendment if any)	For UG Ribbon armoured cable, use of G.657A1 fibre is mentioned exclusively while it is not mentioned for UG LT Armoured cable as well as ADSS cable.  We understand that 24F LT Armoured cable and 24F ADSS cable will be with G.652D fibre with G..657A1 property.	Timebeing we are not relaxing. However, we have noted your request.
153	SN 410 of Corrigendum - III_RFP_Phase-3_Gujarat_V1.pdf	Approved rates for OFC rectification works		Query clarification: 96F Ribbon armored is required.	We understand that this is for rectification only and will be done by the award winning bidder at a later stage. Now for the submission of bid, TSEC/ QF-103 for 96F Ribbon armoured OFC separately is not required.  The TSEC/ QF-103 for 48F Ribbon armoured OFC would suffice for the same.	PI refer the earlier corrigendum with RFP in clause pre-qualification criteria notes.
154	SECTION-3 ELIGIBILITY CRITERIA	3.1; Qualification Table, Sno: 3		The EPC OFC Construction project execution shall consist of both Supply and Construction of OFC Network	As per our Understanding, definition of EPC OFC Construction Project is: - Supply & Execution of OFC Laying Including Supply of OFC, Duct, JC, Chambers, OFC T&D, Blowing, Splicing & AT under same Purchase Order  PI Clarify!	The definition of OFC Construction is widely settled aspects in telecom industry.
155	SECTION-3 ELIGIBILITY CRITERIA	3.1; Qualification Table, Sno: 3		The EPC OFC Construction project execution shall consist of both Supply and Construction of OFC Network	Please allow acceptance with Separate PO for Supply of OFC, Supply of Duct, Laying OFC for same project.  PI Clarify!	Refer the Appendix#A by submission of valid documentation of same project on various deliverable.

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GFGNL Clarification
156	SECTION-3 ELIGIBILITY CRITERIA	3.1; Qualification Table, Sno: 3		For completed projects :  (WO copy / LOI / LOA contract copy work completion certificate from Customer/ end client mentioning satisfactory performance (for completed project and O&M) & total Km of Fibre with other inventories/Equipment mentioned implemented (satisfactory performance & functionalities implemented may be mentioned separately as a performance certificate from the client)	Some Customer having Online PO Portals, does not release PO via PDF Formats. Instead, PO No, Quantity, Value, Line Item can be seen in Portal.  In Such Cases, Request to Allow:  - If WCC is supported by Annexure of PO Number verified by the customer, then it will be acceptable	Digital truth from source of origin/portals will be accepted. However, GFGNL reserves the rights to seek evidence.
157	SECTION-3 ELIGIBILITY CRITERIA	3.1; Qualification Table, Sno: 3		The Experience counted once of any entity can not be counted again, in case, participating in multipackage. The bidder has to clearly mention package wise distinct experience for claiming eligibility	We understand, that this condition is for Technical Eligibility only & will not be applicable for Financial Eligibility Requirements.  Kindly Confirm!	The clause is self explanatory .
158	SECTION-3 ELIGIBILITY CRITERIA	3.1; Qualification Table, Sno: 3		iii) For Active Equipment's Experience: Experience of Telecommunication equipment installation, commissioning and O&M of at least	Requesting to change It to Either as below:  - Change and O&M to or O&M - Remove and O&M and consider only the experience of Installation, Commissioning	For wider participations, PI see revised clause: <u>Updaed Clause:</u> For Active Equipment's Experience: Experience of Telecommunication equipment installation, commissioning with AMC /warranty or O&M .
159	SECTION-3 ELIGIBILITY CRITERIA	Table-02 For Lead Bidder and Consortium		Experience Of OFC- O&M (Km) Consortium Partner and/or Lead Bidder  Bid for Single Package : 5,000 Km of OFC O&M  Bid for two Packages: 8000 Km of OFC O&M	As O&M has equal share in the contract execution and to allow serious players to come in, PI change O&M Eligibility Requirement to:  Bid for Single Package : 8,000 Km of OFC O&M for 2 continuous years  Bid for two Packages: 15,000 Km of OFC O&M for 2 continuous years	The suggestion to eliminate the competition is not tandem with wider competition fundamentals and hence,increasing the bar for qualification is discouraged.

Sr. No	Section No.	Clause No.	Pg no.	Reference/Subject	Clarification Sought	GfGNL Clarification
160	SECTION-3 ELIGIBILITY CRITERIA	3.1.4 (Active Node Experience)		<p>For Equipment's : Experience of Telecommunication equipment installation, commissioning and O&amp;M of at least-</p> <ul style="list-style-type: none"> <li>• 1000 active nodes, if bidding for 1 package,</li> <li>• 2200 active nodes, if bidding for 2 packages,</li> </ul> <p>The active nodes to be considered for this criterion can be include atleast, MPLS Routers, RFMS, Layer-3 Switches, Transport equipment(DWDM/PTN(packet and transmission equipments)/OTN/ROn/CPANs/OLT of 16 or more ports.</p>	<p>Customer is Requested to Add:</p> <p>25% of Eligibility Quantity can be met via Microwave and UBR Installation &amp; Commissioning</p>	<p>The criteria of central BSNL rfp is inserted without change of active elements counts.</p> <p><u>Updated clause:</u></p> <p>The active nodes to be considered for this criterion can be Routers, Layer-3 Switches, BNGs, PTNs/CPANs, DWDM, OLTs of 16 or more ports, enode-B, BTS and OTN</p>

#### Technical Specification:

### I. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP

#	Functional Req.	Parameter
1	Type	<p><del>Online for TEC GR 66160:2024 TEC GR 66160:2019 or latest updates without any Hybrid functionality</del></p> <p><del>(Release in June 2024)</del></p> <p>Both GR (TEC GR 66160:2024 &amp; TEC GR 66160:2019 ) will be allowed. However, For TEC GR 66160:2019 for the UPS is allowed with dual rectifier and additional functionalities of BMS, monitoring parameters , etc. Excluding Solar associated provisions of TEC 66160:2024.</p>
2	Technology	Dual Rectifier with double conversion including inbuilt stabilizer with range 110V

#	Functional Req.	Parameter
		– 280V and mechanism to provide protected environment to switchover on row power supply in case of failure of UPS
3	Backup time	Minimum 6 Hrs with Full load
4	Load	500 Watt
5	Capacity	Minimum 1 KVA
6	Input Voltage Range	110-280 V
7	Output Voltage	AC: 230 V
8	Electrical Safety	Isolation transformer for Source isolation
9	IP standard	IP 21 & above
10	Creast Factor	3:1
11	Temperature range limitation	Max. Up to 55
12	Input Frequency	50 HZ (+/- 6% at Mains mode) 50 HZ (+/- 1% at Battery mode)
14	Output Frequency	50Hz +/- 1%
15	Input Power Factor	Greater Than 0.9
16	Waveform	Pure Sine wave
17	Alarm	On battery, Low Battery, UPS overload, Temperature
18	Alarm Execution method	RJ45 With SNMP at SNOC / CNOC
19	<del>AVR(Auto Voltage Regulators)</del>	<del>In-built (6 stages)</del>
20	Overload Protection	Required
21	Certification	<del>ISO, BIS, UL, CE, VDE</del> (BIS, ROHS, NABL or UL, CE, ISO) or equivalent
22	UPS Auto Start on Deep Discharge	Required
23	UPS body	Metal/Plastic with one unibody design includes UPS and Battery Back with grouted on floor with anti-theft mechanism

#	Functional Req.	Parameter
24	Battery Technology	Lithium Ion as per TEC GR No.67030:2024 with Li-ion battery BMS to monitor the parameters and alarms and control the charging current of battery with all latest features excluding solar system
25	Battery type	As per load
26	No.of Batteries	As per load
27	Battery Replacement cycle	Min. 6 Hrs Backup must be required for 7 years from the date of go-live, if performance reduce within 7 years, then battery need to be replace without any additional cost to GFGNL.
28	Recharge time	6 to 8 Hrs in Offline mode
29	Battery warranty	EOL(End-of-Life) 7 Years
30	Wiring	Avg. 15 Mtr wiring with end to end Commissioning at both Input and Output End
31	Anti theft Mechanism	Anti theft screw and cabinet/rack etc Anti-theft mechanism for designed model including battery bank
32	Visibility	The PIA shall make suitable provision in the UPS to connect the same with the network elements for extending the UPS related alarms, lie but not limited to, battery, solar charge controller to the SNOC and CNOC  Bidder for UPS has to ensure the SNMP or suitable mechanism for all active field network element centrally visible for easy doing business. Failure to this will hold the payment of respective milestones.



#	Functional Req.	Parameter
33	Output Connector	Minimum 2 nos. IEC Socket

## I. Technical Specifications for Mini-OLT

S. No.	Parameters	Minimum Specifications for Mini-OLT
1	Compliance	TEC/GR/FA/PON-002/02/NOV-18 Standard with latest amendments if any or
2	Technology	Layer 2 GPON
3	Certification	MTCTE, NCCS
4	Uplink Port	4*10/100/1000M and 2*10G 2*10/100/1000M and 1*10G
5	GPON/EPON Port	4 GPON
6	Physical Interface	SFP Slots
7	Max Splitting Ratio	1:128
8	Attributes of the PON Interface	Class B+ and Class C+ GPON module
9	Standards	ITU-T G.984/G.988
10	Layer 2 Protocol	Should support Spanning Tree, IEEE 802.1Q, VLAN, IEEE 802.1w, RSTP, IEEE 802.3ad physical link static/dynamic aggregation, Support OMCI Encryption enable / disabled for ONT, Support OMCI authentication for ONT, (LACP), QoS, Multicast Reliability, DHCP
11	Network Security	Limiting the maximum number of users on each port, Port isolation, Packet storm control, Flow-based ACL access control function Transmission data encryption on the PON interface, Supports TACAS+

S. No.	Parameters	Minimum Specifications for Mini-OLT
12	Configuration Management	Various management modes such as CLI, SNMP and TELNET, Conducting software upgrade through TFTP Debug output, <b>NETCONF/YANG, REST API or equivalence</b>
13	Backplane Bandwidth (Gbps)	<b>64 Gbps 40 Gbps</b>
14	Power Supply	AC 110V to 280V,
15	Operating Environment	0°C-60°C;
16	Max ONU Support	128
17	Services	Triple-Play, VPN, IP Camera, Enterprise LAN and ICT applications
19	Transmission Distance	Up to 20 Km
20	Data rate	Downstream: 2.5 Gbps, Upstream: 1.25 Gbps
21	Power Consumption	Up to <b>30W 50W</b>
22	Interoperability	Can support at least two or more different OEM for ONT and OLT
23	Features	The Mini-OLT shall be designed to have protection of power transient, power-surge and power blowouts. The equipment shall be adequately protected in case of voltage variation beyond the range as specified above and also against input inverse polarity.
24	Other	- Static and dynamic IP allocation should be supported - DBA(Dynamic Bandwidth Allocation), Multicast,QoS,SNMPv2C/V3 support

**Note:**

It is the bidder's responsibility to provide any electronic products with necessary software to meet the expectation in "4S- section". Here, in this case it may be "EMS" and that is implied with TEC GR# TEC-GR-PON-002-02-Nov-18. The bidder may do the proper due diligence while selecting OEM.

Bidder has to supply Mini-OLT with fully loaded uplink. However, pluggable for GPON module is to be considered for 2 ports.

In case in future, if any demand of additional SFP then bidder has to provide at Rs. 5,000/- per SFP

**1 Annexure : XXIX: BID FORM**

Date: .....

To From, .....  
.....  
.....  
.....

Ref: Tender Enquiry No. .... Dated .....

Having examined the above mentioned tender enquiry document including amendment/clarification/ addenda Nos ..... dated ..... the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver in conformity with the said drawings, conditions of contract and specifications for the sum shown in the schedule of prices attached herewith and made part of this Bid.

1. We undertake, if our Bid is accepted, to complete delivery of all the items and perform all the services specified in the contract in accordance with the delivery schedule specified in the General Commercial Conditions, read with modification, if any, in eligibility criteria section-3.
2. If our Bid is accepted, we will provide you with a performance guarantee of a nationalized/Scheduled Bank (except co-operative banks), in accordance with clause of PBG of this tender document, for the due performance of the contract.
3. We agree to abide by this Bid for a period of 180 days from the date fixed for Bid opening or for subsequently extended period, if any, agreed to by us. This bid shall remain binding upon us upto the aforesaid period and may be accepted at any time before the expiration of that period.
4. Until a formal Purchase Order of Contract is prepared and executed, this Bid together with your written acceptance thereof in your notification of award shall constitute a binding contract between us.
5. Bid submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.
6. We understand that you are not bound to accept the lowest or any bid, you may receive.
7. This bid is being submitted through a legally bound consortium and we hereby submit our irrevocable undertaking (as per Annexure) for using the technical experience and turnover of each consortium member to be used to meet the eligibility conditions for the Package Number: <Package-A/B>. (Applicable for the case of consortium)

**Note:**

Para-7 may be strike-off, if the bid is being submitted by a sole bidder.

We understand that the Bid document so submitted is the true copy of GFGNL tender documents available on GFGNL website/ e-tendering (nProcure) portal. Any deviation will result in the rejection of the bid.

Dated this ..... day of ..... 20...

Name and Signature In the capacity of

Duly authorized to sign the bid for and on behalf of bidder

Witness Address.....

Signature

1.20 Format-XXI Certificate to be submitted by Bidders, consortium members and OEM

(on Non-Judicial stamp of Rs. 300/-)

Reference 1: GFGNL Tender No.

Reference 2: Department of Expenditure Office Memorandums (OMs) No. 7/10/2021-PPD (1) dated 23rd February 2023 and its subsequent Clarification, if any.

I, in capacity of authorized signatory of M/s.....having  
Regd. ....office  
at.....being a  
participant bidder in GFGNL T.E cited at reference 1 above, hereby declare that I  
have read and understood the clause regarding Restrictions under Rule 144(xi) of  
the General Financial Rules (GFRs) 2017 on grounds of Defense of India and  
National Security issued vide OM cited at reference 2 above, on procurement from  
a bidder of a country which shares a land border with India and on sub-  
contracting to contractors from such countries.

I hereby certify that our company is not based in a country that shares a land border with India. In accordance with the conditions and restrictions outlined in the mentioned office memorandums, it is imperative that equipment from OEMs for purchasing, security and functional testing, validation, ground machinery for execution, testing, vulnerable assessment and penetration testing, traffic monitoring, labs, manpower, and all other resources for the proposed solution are sourced from a country that does not share a land border with India. To be eligible to bid on this tender, the bidder must also be registered with the Competent Authority as per OM No. 6/18/2019-PPD dated 23rd July 2020 and OM No. 7/10/2021- PPD (1) dated 23rd February 2023 and latest issued by the Department of Expenditure, Government of India. Our company fulfills all requirements necessary to be considered for this Tender Enquiry by GFGNL

If given information is found to be false, this would be ground for immediate termination and further legal action in accordance with law.

(Name of the authorized signatory)

Signature

Designation in Company Seal / Stamp of Company

Counter signed by Company Secretary of the Company

=====End Of Document=====